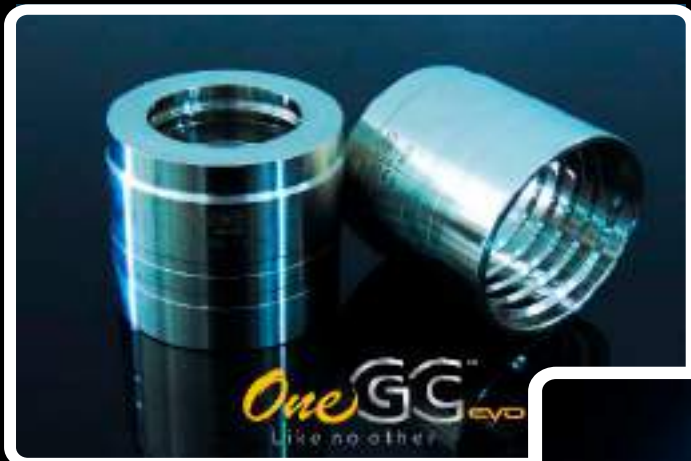


MCS

HYDRAULICS

Raccordi per tubo flessibile - serie Standard
Hose fittings - Standard series
Sae J516 - Iso 12151



Collezione - Collection
2019

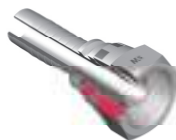
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INFORMAZIONI TECNICHE
TECHNICAL DATA

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FEMMINA GIREVOLE GAS CONO 60°
BSP SWIVEL FEMALE 60° CONE



Cod. BSPSF..

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FEMMINA GIREVOLE A 45°
GAS CONO 60°
45° BSP SWIVEL FEMALE 60° CONE



Cod. 45BSPSF..

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FEMMINA GIREVOLE A 90°
GAS CONO 60°
90° BSP SWIVEL FEMALE 60° CONE



Cod. 90BSPSF..

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FEMMINA GIREVOLE O'RING FILETTO
METRICO CONO 24° - SERIE LEGGERA
O'RING METRIC SWIVEL FEMALE
24° CONE - LIGHT TYPE



Cod. ORMSFL..

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FEMMINA GIREVOLE O'RING FILETTO
METRICO CONO 24° - SERIE PESANTE
O'RING METRIC SWIVEL FEMALE
24° CONE - HEAVY TYPE



Cod. ORMSFH..

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FEMMINA GIREVOLE 45°
O'RING FILETTO METRICO
CONO 24° - SERIE LEGGERA
45° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE



Cod. 45ORMSFL..

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FEMMINA GIREVOLE 45°
O'RING FILETTO METRICO
CONO 24° - SERIE PESANTE
45° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE



Cod. 45ORMSFH..

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FEMMINA GIREVOLE 90°
O'RING FILETTO METRICO
CONO 24° - SERIE LEGGERA
90° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE



Cod. 90ORMSFL..

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FEMMINA GIREVOLE 90°
O'RING FILETTO METRICO
CONO 24° - SERIE PESANTE
90° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE



Cod. 90ORMSFH..

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FEMMINA METRICA OGIVA 24°/60°
METRIC FEMALE 24°/60°
LIGHT MULTISEAL



Cod. MSFLMS..

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FEMMINA 90° METRICA OGIVA 24°/60°
90° METRIC FEMALE 24°/60°
LIGHT MULTISEAL



Cod. 90MSFLMS..

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FEMMINA METRICA CONO 60°
METRIC FEMALE 60° CONE



Cod. MSFL..

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FEMMINA METRICA A 90° CONO 60°
90° METRIC FEMALE 60° CONE



Cod. 90MSFL..

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FEMMINA GIREVOLE JIC SV. 74°
JIC SWIVEL FEMALE 74° CONE



Cod. JSF..

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FEMMINA GIREVOLE 45° JIC SV. 74°
45° JIC SWIVEL FEMALE 74° CONE



Cod. 45JSF..

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FEMMINA GIREVOLE 90° JIC SV. 74°
90° JIC SWIVEL FEMALE 74° CONE



Cod. 90JSF..

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FEMMINA GIREVOLE JIC SV. 74°
DOPPIO ESAGONO
JIC SWIVEL FEMALE 74° CONE
DOUBLE HEXAGON
FEMMINA GIREVOLE 60° JIS TOYOTA
JIS SWIVEL FEMALE 60° CONE TOYOTA

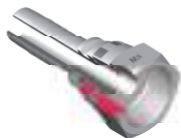


Cod. JSFDH..

Cod. JIST..

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FEMMINA GIREVOLE GAS SEDE PIANA
BSP SWIVEL FEMALE FLAT SEAT



Cod. BSPSFFS..

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FEMMINA GIREVOLE 90° GAS
SEDE PIANA
90° BSP SWIVEL FEMALE FLAT SEAT



Cod. 90BSPSFFS..

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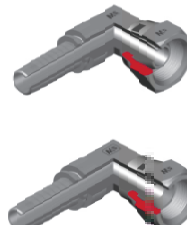
FEMMINA GIREVOLE NPSM CONO 60°
NPSM SWIVEL FEMALE 60° CONE
FEMMINA GIREVOLE 90° NPSM CONO 60°
90° NPSM SWIVEL FEMALE 60° CONE



Cod. NPSMSF..
Cod. 90NPSMSF..

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FEMMINA GIR.90° GAS - Compatta
BSP SWIVEL FEMALE - Compact Elbow
FEMMINA GIR.90° JIC - Compatta
JIC SWIVEL FEMALE - Compact Elbow



Cod. 90BSPSF..C
Cod. 90JSF..C

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FEMMINA METRICA TUBOLARE -
SERIE LEGGERA/PESANTE
METRIC STANDPIPE -
LIGHT/HEAVY TYPE



Cod. SLH.. - SH.. - SL..

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FEMMINA METRICA TUBOLARE 45° -
SERIE LEGGERA/PESANTE
45° METRIC STANDPIPE -
LIGHT/HEAVY TYPE



Cod. 45SLH.. - 45SH.. - 45SL..

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**FEMMINA METRICA TUBOLARE 90° -
SERIE LEGGERA/PESANTE**
90° METRIC STANDPIPE -
LIGHT/HEAVY TYPE

Cod. 90SLH.. - 90SH.. - 90SL..

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**FEMMINA TUBOLARE
(PER TUBO IN POLLICI)**
IMPERIAL STANDPIPE

Cod. IS..

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**FEMMINA TUBOLARE
DOPIA ESTREMITÀ**
DOUBLE HOSE STANDPIPE

Cod. DHS..

Pag. 1.53



**FEMMINA PER IDROPULITRICI
K' FEMALE**

Cod. KF..

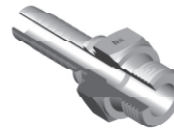
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MASCHIO SVASATO A 60°
Filetto Gas Cilindrico
MALE 60° CONE
Thread BSP Parallel

Cod. BSPM..

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MASCHIO SEDE PIANA
Filetto Gas Cilindrico
MALE FLAT SEAT
Thread BSP Parallel

Cod. BSPMFS..

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**MASCHIO METRICO SV. 24° -
SERIE LEGGERA**
METRIC MALE 24° CONE - LIGHT TYPE

Cod. MML..

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**MASCHIO METRICO SV. 24° -
SERIE PESANTE**
METRIC MALE 24° CONE - HEAVY TYPE

Cod. MMH..

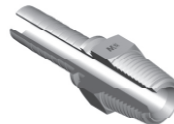
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MASCHIO SVASATO 60°
Filetto Gas Conico
MALE 60° CONE
Thread BSP taper

Cod. BSPTM..

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MASCHIO SVASATO 60°
Filetto NPT
MALE 60° CONE
Thread NPT

Cod. NPTM..

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MASCHIO JIC CONO 74°
JIC MALE 74° CONE

Cod. JM..

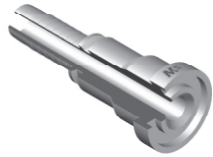
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FLANGIA SAE SERIE 3000 PSI
SAE STRAIGHT FLANGE 3000 PSI

Cod. SSF3000..

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FLANGIA SAE SERIE 6000 PSI
SAE STRAIGHT FLANGE 6000 PSI

Cod. SSF6000..

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FLANGIA 45° SAE SERIE 3000 PSI
45° SAE FLANGE 3000 PSI

Cod. 45SF3000..

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FLANGIA 45° SAE SERIE 6000 PSI
45° SAE FLANGE 6000 PSI

Cod. 45SF6000..

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FLANGIA 90° SAE SERIE 3000 PSI
90° SAE FLANGE 3000 PSI

Cod. 90SF3000..

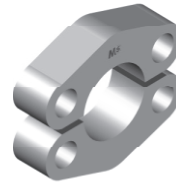
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FLANGIA 90° SAE SERIE 6000 PSI
90° SAE FLANGE 6000 PSI

Cod. 90SF6000..

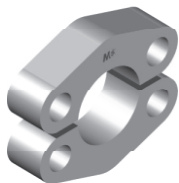
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SEMI FLANGIA TAGLIATA SAE 3000
SPLIT FLANGE SAE 3000 - CUT

Cod. SF3000..

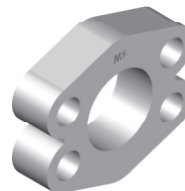
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SEMI FLANGIA TAGLIATA SAE 6000
SPLIT FLANGE SAE 6000 - CUT

Cod. SF6000..

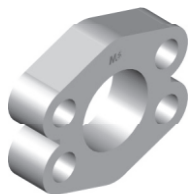
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SEMI FLANGIA INTERA SAE 3000
SPLIT FLANGE SAE 3000 - UNCUT

Cod. USF3000..

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SEMI FLANGIA INTERA SAE 6000
SPLIT FLANGE SAE 6000 - UNCUT

Cod. USF6000..

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OCCHIO GAS
BSP BANJO

Cod. BSPBJ..

Pag. 1.72



OCCHIO METRICO
METRIC BANJO

Cod. MBJ..

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VITE CAVA PER OCCHIO GAS
BSP BOLT FOR BANJO

Cod. BSPBLT..

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VITE CAVA PER OCCHIO METRICO
METRIC BOLT FOR BANJO

Cod. MBLT..

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VITE CAVA DOPPIA PER OCCHIO GAS
DOUBLE BSP BOLT FOR BANJO

Cod. DBSPBLT..

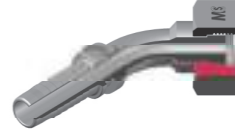
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FEMMINA ORFS
ORFS FEMALE

Cod. ORFSF..

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FEMMINA 45° ORFS
45° ORFS FEMALE

Cod. 45ORFSF..

Pag. 1.78



FEMMINA 90° ORFS
90° ORFS FEMALE

Cod. 90ORFSF..

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MASCHIO ORFS
ORFS MALE

Cod. ORFSM..

Pag. 1.80



GHIERA R1 PER TUBO:
R1 FERRULE FOR HOSE:
SAE 100 R1AT (EN 853 1SN) -
SAE 100 R1A - EN 857 1SC -
EN 854 2TE HOSE TYPE

Cod. FR1..

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GHIERA *OneGC^{ev}* PER TUBO:
OneGC^{ev} FERRULE FOR HOSE:

Cod. ONEGC^{ev}..Evo

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GHIERA R7 PER TUBO:
R7 FERRULE FOR HOSE:
SAE 100 R6 (EN 854 1TE) -
SAE 100 R7 (EN 855 R7) -
SAE 100 R8 (EN 855 R8) - HOSE TYPE

Cod. FR7..

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GHIERA R3 PER TUBO SAE 100 R3
(EN 854 R3)- EN 854 3TE
R3 FERRULE FOR SAE 100 R3
(EN 854 R3)-EN 854 3TE HOSE

Cod. FR3TE..

Pag. 1.84



GHIERA PER TUBO TEFLON LISCIO
FERRULE FOR SMOOTH PTFE HOSE

Cod. FRTE..

Pag. 1.85



GHIERA PER TUBO
TEFLON CORRUGATO
FERRULE FOR CONVOLUTED
PTFE HOSE

Cod. FRTEC..

Pag. 1.86

INFORMAZIONI TECNICHE TECHNICAL DATA

BRITISH STANDARDS - STANDARD BRITANNICI

British Standard Pipe Parallel (BSPP)

La filettatura tipo "British Standard Pipe Parallel" è conosciuta in Inghilterra con il nome di "Whitworth".

I maschi BSPP si accoppiano solo con femmine BSPP o attacchi macchina femmina.

I maschi BSPP hanno filettatura cilindrica e svasatura a 30°. Le femmine BSPP hanno filettatura cilindrica e ogiva a 30°.

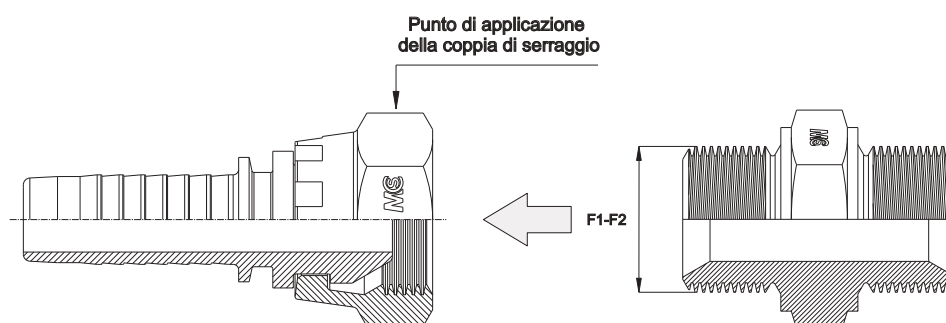
Gli attacchi macchina femmina hanno filettatura cilindrica e lamatura. La tenuta sull'attacco macchina si ottiene mediante un O'Ring o una rondella di metallo tenero sul maschio.

BSPP males have cylindrical thread and 30° countersink; This thread is also known as "Whitworth".

BSPP males only couple BSPP females. BSPP females have cylindrical thread and 30° cone.

Sealing to fixed devices can be ensured by placing an O'Ring or a deformable metal washer.

COPPIE DI SERRAGGIO - Torque wrench Raccordi BSP SV.60° - Metrico Cilindrico



F1	N MAX (Nm)	F2	N MAX (Nm)	TUBO
1/8"	14	10x1	14	6
1/4"	20	12x1,5	20	8
3/8"	35	14x1,5	35	10
1/2"	60	16x1,5	60	12
5/8"	70	18x1,5	70	16
3/4"	110	22x1,5	110	18
1"	140	27x1,5	170	25
1" 1/4	190	33x2	290	32
1" 1/2	290	42x2	310	38

F1 - Filetto Gas Cilindrico - Thread BSP Parallel

F2 - Filetto Metrico Cilindrico - Thread Metric Parallel

USA STANDARDS - STANDARD AMERICANI

SAE J514 37° (JIC)

In applicazioni idrauliche ad alta pressione, la Society of Automotive Engineers (SAE) raccomanda l'utilizzo di un'ogiva a 37° o di una svasatura a 37°, comunemente conosciuti come JIC.

I maschi JIC con ogiva a 37° si accoppiano solo con femmine JIC. I maschi JIC hanno filettatura cilindrica ed un'ogiva a 37°. Le femmine JIC hanno filettatura cilindrica ed una svasatura a 37°. La tenuta avviene sulla sede a 37°, creando una linea di contatto tra l'ogiva del maschio e la svasatura della femmina. La connessione avviene meccanicamente.

For hydraulic high pressure applications, the Society of Automotive Engineers (SAE) recommends to use a 37° cone or countersink, commonly known as JIC. Jic males only couple jic females.

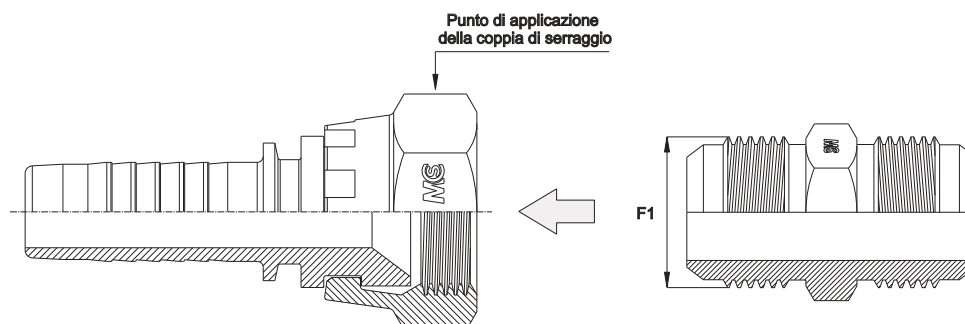
Jic males are characterized by a cylindrical thread and a 37°

Cone and Jic females by a cylindrical thread and a 37° Countersink.

Coupling and sealing are obtained mechanically by a perfect adhesion between the male cone and the female countersink.

COPPIE DI SERRAGGIO - Torque wrench

Raccordi JIC SAEJ514



F1/F2	N MIN/MAX (NM)	TUBO
7/16"	15/16	6 - 1/4"
1/2"	19/21	8 - 5/16"
9/16"	24/28	10 - 3/8"
3/4"	49/50	12 - 1/2"
7/8"	77/85	14 - 15 - 16 - 5/8"
1" 1/16	107/119	18 - 20 - 3/4"
1" 5/16	147/154	25 - 1"
1" 5/8	172/181	30 - 32 - 1" 1/4
1" 7/8	215/226	38 - 1" 1/2

USA STANDARDS - STANDARD AMERICANI

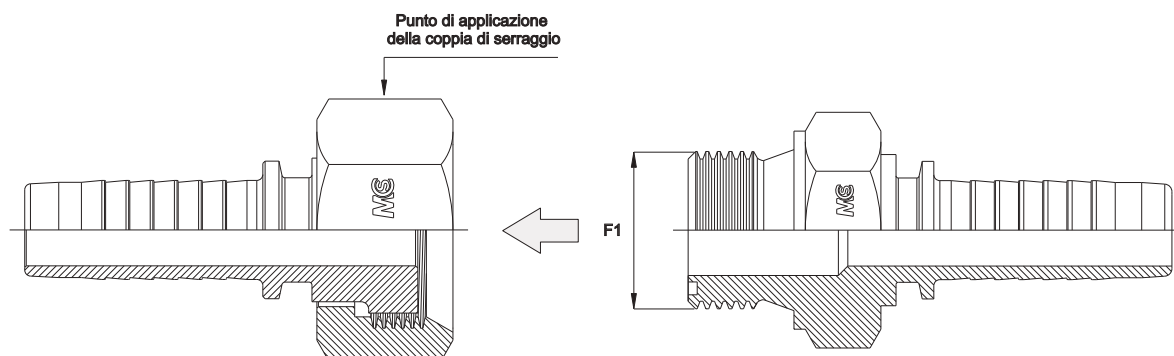
SAE J1453 O'Ring Face Seal (ORFS)

In questo tipo di connessioni, la tenuta avviene quando l'O'Ring montato sul maschio va a contatto con la superficie piatta della femmina. Questo tipo di raccordi viene utilizzato nei sistemi idraulici dove è possibile montare un elastomero per evitare le perdite, e dove è indispensabile la resistenza ad eventuali perdite. Ad oggi, contro eventuali trasudazioni e/o perdite, questo tipo di raccordo risulta essere il più efficace. I raccordi maschio e femmina hanno filettatura cilindrica e faccia piana lavorata con macchine a cnc. La tenuta avviene spingendo l'O'Ring contro la faccia piana della femmina. La connessione è mantenuta dai filetti meccanicamente.

These fittings are used for hydraulic systems where a perfect Sealing has to be guaranteed in order to avoid Possible fluid leakage. To this day, these fittings are considered the best Choice for this purpose. Both male and female fittings are characterized by A cylindrical thread an a flat face, sealing is ensured by Placing an O'Ring on male's flat face.

COPPIE DI SERRAGGIO - Torque wrench

Raccordi ORFS SAEJ1453



F1	N MIN/MAX (NM)
9/16"	16
11/16"	27
13/16"	47
1"	68
1"3/16	95
1"7/16	135
1"11/16	225
2"	172/181

GERMAN STANDARDS - STANDARD TEDESCHI

DIN 2353 CONO 24°

I maschi DIN 2353 si accoppiano con uno qualsiasi dei tre raccordi femmina mostrati in tabella.

I maschi hanno sede a 24°, filettatura metrica cilindrica ed una lamatura che si accoppia con il DE del tubo. Le femmine possono essere o con sede svasata a 24° con O' Ring (tipo DKO), o un adattatore metrico, o un raccordo universale svasato a 24° o 60°.

Esistono raccordi DIN serie pesante e serie leggera. Per identificarli, è necessario misurare sia la filettatura che il DE del tubo.

Din 2353 males couple any of three female couplings Shown in the table aside.

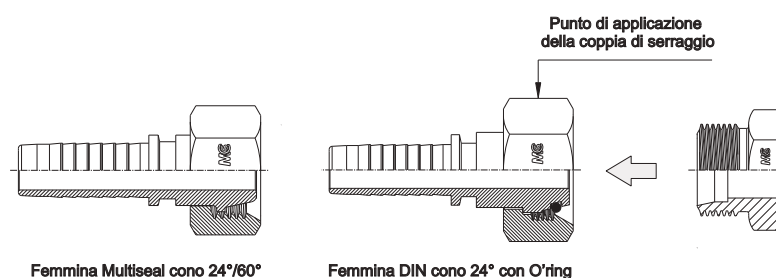
Males have a cylindrical metric thread, a 24° countersink And a counterbore that couple the tube OD.

Females can have a 24° cone with an o' ring placed on it, or An universal 24/60° cone.

Din Couplings can be light or heavy type, to identify them You have to measure both thread and tube OD.

COPPIE DI SERRAGGIO - Torque wrench

Raccordi DIN 2353



Serie	Tubo	Filetto Metrico	Manuale Inox (Nm)
Series	Tube	Metric Thread	Manual Stainless (Nm)
L	6	12x1,5	30
	8	14x1,5	55
	10	16x1,5	85
	12	18x1,5	120
	15	22x1,5	130
	18	26x1,5	220
	22	30x2,0	320
	28	36x2,0	500
	35	45x2,0	970
	42	52x2,0	1110
S	6	14x1,5	45
	8	16x1,5	55
	10	18x1,5	90
	12	20x1,5	105
	14	22x1,5	150
	16	24x1,5	180
	20	30x2,0	340
	25	36x2,0	530
	30	42x2,0	610
	38	52x2,0	850

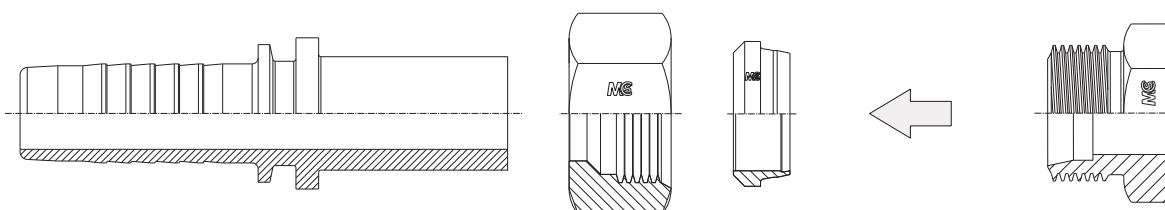
GERMAN STANDARDS - STANDARD TEDESCHI

TUBO LISCIO METRICO

I tubi lisci metrici sono composti da tre parti attaccate ad un raccordo maschio, e sono: un tubo liscio, un anello tagliente ed un dado metrico. Il dado è posto sopra il tubo liscio, seguito dall'anello (vedere figura). Per i raccordi DIN serie leggera, si utilizza dado metrico DIN serie leggera; per i raccordi serie pesante, si utilizza invece dado metrico DIN serie pesante.

Metric standpipes consist of three elements connected To a male coupling: a standpipe, a cutting ring and a metric nut. The nut is placed on the standpipe followed by the cutting Ring (see picture).

COPPIE DI SERRAGGIO - Torque wrench Raccordi Tubo Liscio Metrico



Serie	Tubo	Filetto Metrico	Manuale Inox (Nm)	Macchina Inox (Bar)
Series	Tube	Metric Thread	Manual Stainless (Nm)	Machine Stainless (Bar)
L	6	12x1,5	30	20
	8	14x1,5	55	30
	10	16x1,5	85	35
	12	18x1,5	120	35
	15	22x1,5	130	40
	18	26x1,5	220	60
	22	30x2,0	320	70
	28	36x2,0	500	80
	35	45x2,0	970	100
	42	52x2,0	1110	160
S	6	14x1,5	45	20
	8	16x1,5	55	30
	10	18x1,5	90	35
	12	20x1,5	105	35
	14	22x1,5	150	40
	16	24x1,5	180	55
	20	30x2,0	340	80
	25	36x2,0	530	105
	30	42x2,0	610	130
	38	52x2,0	850	160

PRESSIONE MASSIMA DI ESERCIZIO DEI RACCORDI (BAR) HOSE FITTINGS MAXIMUM WORKING PRESSURE

Normativa di riferimento	Filletto dei raccordi in pollici										
	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
BSP 60° femmina	350	630	-	550	430	-	350	280	250	210	210
BSP 60° maschio	350	630	-	550	430	-	350	280	250	210	210
JIC 37° femmina	-	410	410	345	345	345	345	275	200	170	170
JIC 37° maschio	-	410	410	345	345	345	345	275	200	170	170
JIS 60° femmina	-	350	350	350	350	-	280	210	175	-	-
JIS 60° maschio	-	350	-	350	350	-	280	210	175	-	-
JIS 30° femmina	-	350	350	350	350	280	280	210	175	-	-
KOMATSU 30° metrico	-	350	350	350	350	350	280	210	175	-	-
NPTF maschio	345	345	-	275	240	-	210	170	150	140	140
DRFS femmina	-	410	-	410	410	410	410	275	275	-	-
DRFS maschio	-	410	-	410	410	410	410	275	275	-	-
SAE 45° femmina	-	410	410	345	345	345	345	275	200	170	170
SAE 45° maschio	-	410	410	345	345	345	345	275	200	170	170
SAE 3000 fiancia	-	-	-	-	345	345	345	345	275	210	210
SAE 6000 fiancia	-	-	-	-	-	-	410	410	410	410	410
SAE maschio	-	410	410	345	345	345	345	275	200	170	170

Normativa di riferimento	Serie metrica leggera (mm.)									
	6	8	10	12	15	18	22	28	35	42
DIN 24° femmina	250	250	250	250	250	160	160	100	100	100
DIN 24° femmina con O' ring	250	250	250	250	250	160	160	100	100	100
DIN 24° maschio	250	250	250	250	250	160	160	100	100	100
Codice metrico	Per i progetti di nuova generazione è sconsigliato usare questo tipo di raccordo									

Normativa di riferimento	Serie metrica pesante (mm.)									
	8	10	12	14	16	20	25	30	38	
DIN 24° femmina	630	630	630	630	400	400	400	250	250	
DIN 24° femmina con O' ring	630	630	630	630	400	400	400	250	250	
DIN 24° maschio	630	630	630	630	400	400	400	250	250	
Codice metrico	Per i progetti di nuova generazione è sconsigliato usare questo tipo di raccordo									

COME STABILIRE IL TIPO DI FILETTO TRAMITE L'UTILIZZO DEL CALIBRO. HOW TO IDENTIFY THREADS BY USING A CALIPER.

Misurando con il calibro il diametro interno di una femmina, oppure il diametro esterno della filettatura di un maschio, si ricaverà una quota in mm. Mediante questo valore, guardando la sottostante tabella, si potrà determinare il tipo di filettatura corrispondente.

By measuring a female internal diameter or a male outer diameter with a calliper, you will easily determine which thread it is, Checking the following table



type	thread	dash size	male mm	female mm	type	thread	dash size	male mm	female mm
BSP	$1/8$	02	9,6	8,7	JIC	$1 1/16$	12	26,8	24,8
JIC	$7/16$	04	11	9,9	Metric	M30-2	30	29,9	28
Metric	M12-1.5	12	11,9	10,5	Metric	M36-1.5	30	29,9	28,5
JIC	$1/2$	05	12,6	11,4	ORFS	$1 3/16$	14	30	28
BSP	$1/4$	04	13	11,6	JIC	$1 3/16$	14	30,1	27,9
Metric	M14-1.5	14	13,9	12,5	Metric	M33-1.5	33	32,9	31,5
JIC	$9/16$	06	14,2	12,9	BSP	1	16	33,1	30,7
ORFS	$9/16$	06	14,2	12,9	JIC	$1 5/16$	16	33,2	31,2
JIC	$5/8$	07	15,7	14,5	Metric	M36-2	36	35,9	34
Metric	M16-1.5	16	15,9	14,5	Metric	M36-1.5	36	35,9	34,5
BSP	$3/8$	06	16,6	15,1	ORFS	$1 7/16$	15	36,4	34,4
ORFS	$11/16$	09	17,4	15,9	Metric	M38-1.5	38	37,9	36,5
Metric	M18-1.5	18	17,9	16,5	JIC	$1 5/8$	20	41,1	38,8
JIC	$3/4$	08	18,8	17,5	BSP	$1 1/4$	20	41,7	39,4
Metric	M20-1.5	20	19,9	18,5	Metric	M42-2	42	41,9	40
ORFS	$13/16$	11	20,6	19,1	ORFS	$1 11/16$	21	42,7	40,7
BSP	$1/2$	08	20,8	18,8	Metric	M45-2	45	44,9	43
Metric	M22-1.5	22	21,9	20,5	Metric	M45-1.5	45	44,9	43,5
JIC	$7/8$	10	22,1	20,4	JIC	$1 7/8$	24	47,5	45,1
BSP	$5/8$	10	22,8	20,9	BSP	$1 1/2$	24	47,7	45,2
Metric	M24-1.5	24	23,9	22,5	Metric	M52-2	52	51,9	50
ORFS	1	13	25,3	23,6	BSP	2	32	59,4	57,4
Metric	M26-1.5	26	25,9	24,5	JIC	$2 1/2$	32	63,3	61,1
BSP	$3/4$	12	26,3	24,5	ORFS	$2 1/2$	32	63,4	61,4

SCelta DELLA DIMENSIONE DEL TUBO FLESSIBILE

Utilizzando il grafico sottostante si può determinare la dimensione del tubo flessibile in funzione della portata e della velocità del fluido.

Per trovare la dimensione di tubo desiderato basta unire con una retta i valori noti della portata e della velocità. L'intersezione della retta così tracciata determina sul grafico centrale il valore del diametro di tubo da scegliere. Nel caso in cui il valore trovato non si trovi in corrispondenza di uno dei diametri DN indicati scegliere il valore superiore.

CHOICE OF HOSE SIZE

The graphic below can be used for the correct choice of the rubber hose. It allows to calculate the hose dimension according to the flow value and the speed of the fluid.

To find out the dimension of the right hose, draw a straight line connecting the known values of flow and speed. The intersection of this line with the graphic in the middle of the picture determines the value of the diameter of the hose. In case the value found is not corresponding with one of the nominal diameters DN indicated, the largest value must be chosen.

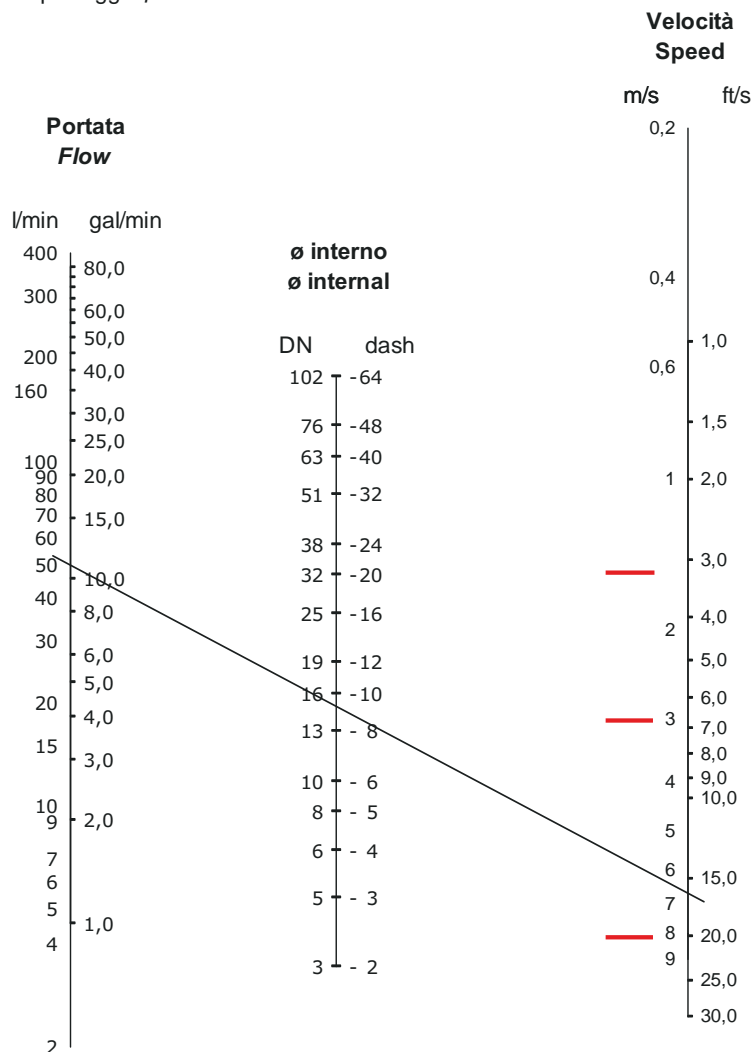
Velocità consigliate:

Linee di pressione/pressure lines : 3 - 8 m/s

Linee di ritorno/return lines : 1,5 - 3 m/s

Linee di aspirazione/suction lines : 0,5 - 1,5 m/s

Linee di pilotaggio/pilot lines : max 5 m/s



LUNGHEZZA E ORIENTAMENTO DEI TUBI FLESSIBILI ASSEMBLATI

La lunghezza di un tubo flessibile assemblato con raccordi dritti maschio si misura alle estremità delle due connessioni. Per i raccordi femmina la lunghezza viene misurata all'estremità delle tenute coniche o sulle superfici piane di tenuta. Nel caso in cui entrambi i raccordi siano occhielli oppure curve, è necessario determinare l'angolo di orientamento richiesto.

Per trovare la giusta gradazione, bisogna prima pressare i raccordi, e successivamente posizionarli nel seguente modo :

Mettere verticalmente il raccordo più lontano e far ruotare in senso orario il raccordo più vicino.

Far ruotare il raccordo più vicino fino a che le verticali dei raccordi non formano un angolo della gradazione richiesta.

LENGTH AND PLACING OF ASSEMBLED HOSES

Assembled flexible hose length has to be measured between two end fittings; should the hose be mounted with elbows or banjos, it is required to determine orientation angle.

To find the right grade, you need to crimp fittings on hose, then place vertically the outmost fitting spinning clockwise the closest one, until the angle of the vertical between fittings won't be as required.

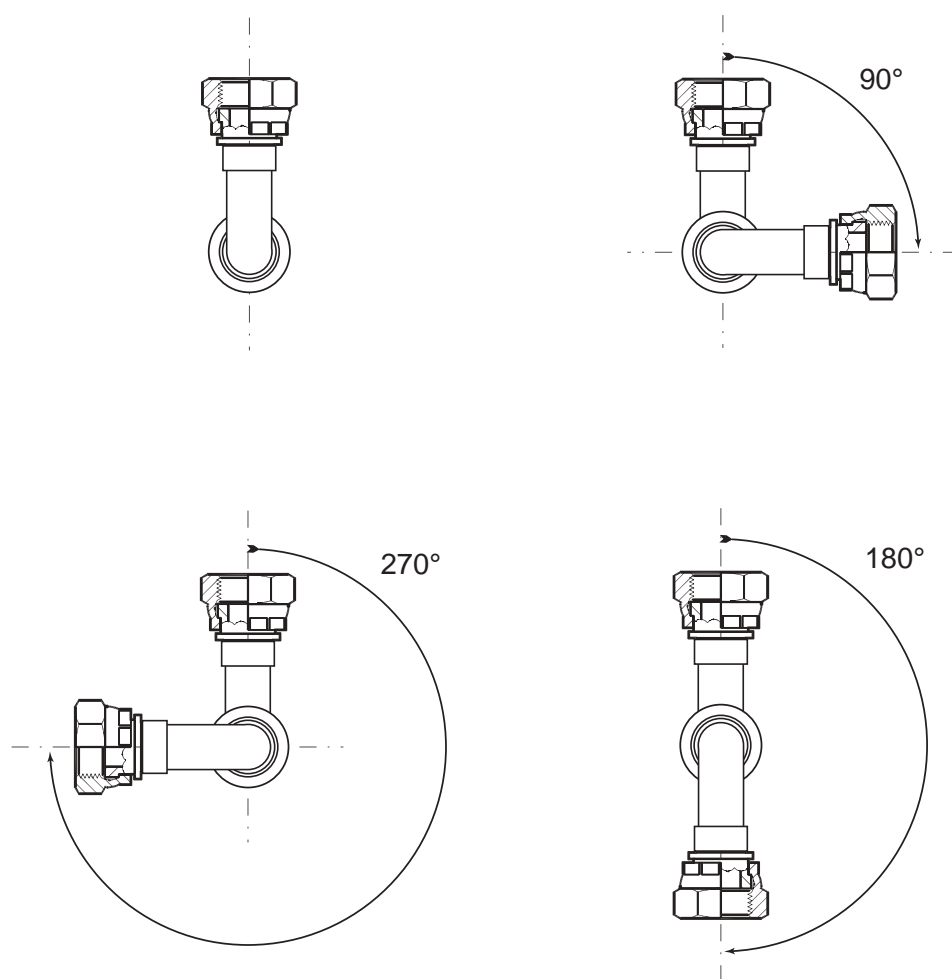
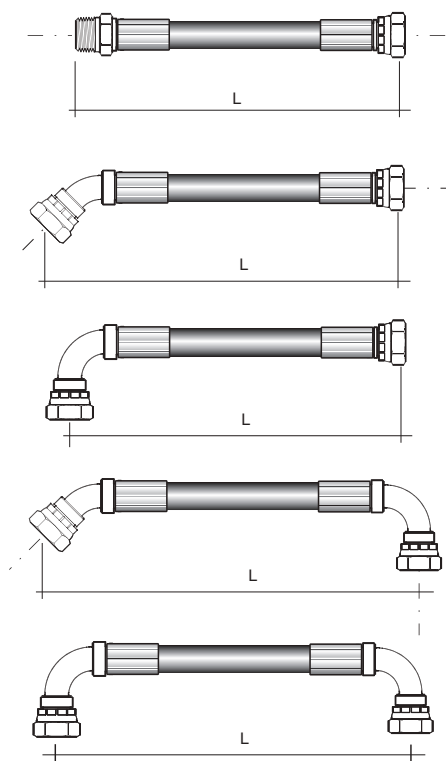


Tabella delle tolleranze sui tubi flessibili assemblati Normativa DIN 20066		
Lunghezza del tubo assemblato in mm.	Fino a 1"	Oltre 1"
Fino a 630	+7/-3 mm.	+12/-4 mm.
da 631 a 1250	+12/-4 mm.	+20/-6 mm.
da 1251 a 2500	+20/-6 mm.	+25/-6 mm.
da 2501 a 8000	+3% / -1%	+3% / -1%
oltre 8000	+3% / -1%	+3% / -1%

*Assembled hoses tolerances table.



TOLLERANZA GENERALE CUT-OFF E DROP RACCORDI MCS MCS's fittings CUT-OFF and DROP general tolerance

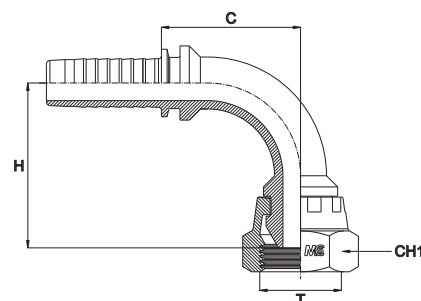
Le misure, i dati tecnici etc. menzionati nei nostri cataloghi sono riportati a titolo puramente informativo. In caso di modifiche o cambiamenti di modelli, non è possibile consegnare articoli con le caratteristiche precedenti.

del proprio processo tecnologico, senza nessun preavviso.

Please be aware that all the technical data provided in our catalogues are for guidance purposes only. Owing to our policy of continual improvement, M.C.S. Hydraulics reserve the right to alter specifications and dimensions without prior notice; in this cases it will not be possible to deliver older versions products.

Tabella delle tolleranze Cut-off & Drop
Cut-off & Drop tolerance table

Fino a 1" up to 1"	Oltre 1" from 1"
+3/-1.5 mm.	+5.5/-2 mm.



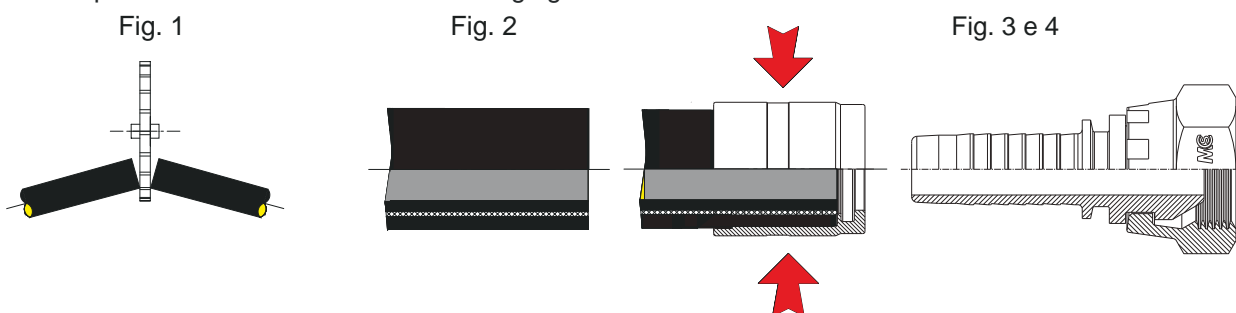
ISTRUZIONI DI MONTAGGIO DEI RACCORDI PER TUBI FLESSIBILI. HOSE FITTINGS ASSEMBLY INSTRUCTIONS

RACCORDI PER TUBI FLESSIBILI NO SKIVE (SENZA PELATURA ESTERNA) - SERIE STANDARD

1. Tagliare il tubo alla lunghezza desiderata e ad angolo retto e eliminare all'imbocco del tubo eventuali residui dovuti al taglio.
2. Inserire la ghiera sul tubo fino al suo arresto.
3. Inserire le "resche" del raccordo nel tubo fino a che lo stesso non arrivi in battuta con la relativa ghiera.
4. Pressare quindi la ghiera sul tubo al diametro di pressatura indicato nella tabella di assemblaggio.

STANDARD FITTINGS FOR NO SKIVE HOSES

1. Cut the hose right angle to required length, remove possible scraps.
2. Place the ferrule onto the hose;
3. Push insert tail to the hose;
4. Crimp the ferrule on the hose at the swaging diameter indicated on our chart.

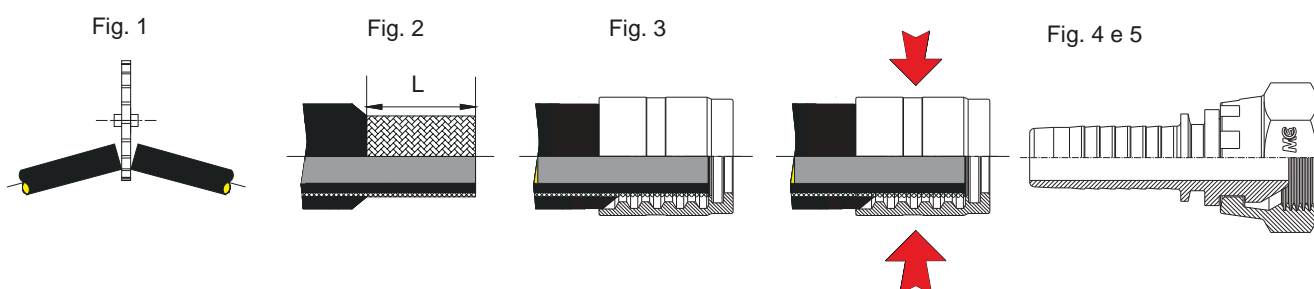


RACCORDI PER TUBI FLESSIBILI SKIVE (CON PELATURA ESTERNA) - SERIE STANDARD

1. Tagliare il tubo alla lunghezza desiderata e ad angolo retto e eliminare all'imbocco del tubo eventuali residui dovuti al taglio.
2. Rimuovere la copertura esterna del tubo per la lunghezza indicata nella tabella di assemblaggio al diametro esterno del rinforzo metallico evitando di danneggiarlo).
3. Inserire la ghiera sul tubo fino al suo arresto.
4. Inserire le "resche" del raccordo nel tubo fino a che lo stesso non arrivi in battuta con la relativa ghiera.
5. Pressare quindi la ghiera sul tubo al diametro di pressatura indicato nella tabella di assemblaggio.

STANDARD FITTINGS FOR SKIVE HOSES

1. Cut the hose right angle to required length, remove possible scraps.
2. Remove the hose outer layer to the skiving length indicated in our chart;
3. Place the ferrule onto the hose;
4. Push insert tail to the hose;
5. Crimp the ferrule on the hose at the swaging diameter indicated on our chart.



GUIDA ALL'INSTALLAZIONE DEI TUBI FLESSIBILI SECONDO DIN 20066. HOSES INSTALLATION INSTRUCTION ACCORDING TO DIN 20066

Per garantire la sicurezza, la funzionalità e la durata dei tubi flessibili e dei raccordi relativi è indispensabile non superare mai le pressioni di esercizio e le temperature massime ammissibili, montare i tubi nella maniera corretta, utilizzare i raccordi più appropriati in funzione delle condizioni di montaggio e stabilire la lunghezza dei tubi, tenendo ben presente, dove necessario, il movimento dei tubi stessi.

Pertanto rispettare le prescrizioni di seguito specificate per una corretta installazione dei tubi flessibili assemblati :

To guarantee pressed hoses safety, life and feature, it is recommended:

- to respect the maximum temperature and working pressure ;
- to mount them correctly;
- to chose the right fittings with relation to hoses length and installation conditions.

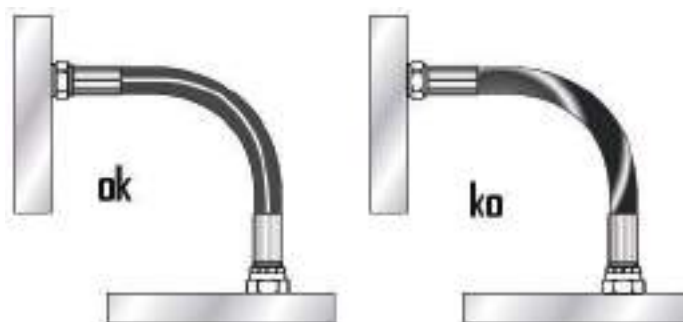
It is strongly recommended to respect the following rules:

Torsione

Non applicare torsioni. È importante accertarsi che non si verifichino situazioni gravose che possano ridurre la normale durata del flessibile e potrebbero causare cedimenti in pressione.

Torsion

Do not apply any torsion.
It may cause serious damage under pression.



Variazione in lunghezza

Non montare il flessibile troppo in tensione, perché nel tempo e durante i vari movimenti si potrebbero verificare delle variazioni di lunghezza, a volte causa di rottura prematura.

È opportuno calcolare una lunghezza leggermente superiore a quella richiesta; infatti le norme DIN e SAE prevedono che il tubo alla pressione di esercizio possa subire un allungamento (max +2%) o un accorciamento (max -4%).



Length variation

Another key factor is hose length, due to hose movements, A wrong length may cause surface wear and pressure Drops.

It is recommended to calculate a length greater than Required; According To Sae and Din standards an hose Under pressure can be extended (max +2%) or shortened (max -4%)



Prima di assemblare bisogna necessariamente ingrassare i componenti con il composto antigrippaggio sintetico, contattare il nostro ufficio tecnico per conoscere i prodotti consigliati

Before assembling, the components need to be lubricated with a Synthetic Anti-seize compound. For further information or advice on products to be used, kindly contact our Technical Department.

Flessibili in movimento

Quando si utilizzano flessibili in movimento fare attenzione ad evitare eventuali torsioni, tensioni o abrasioni che potrebbero risultare dannose per il normale funzionamento dello stesso.



Mobile connections

Connections involving mobile components
Must be carefully determined according to hose movements

Raggio di curvatura

Si raccomanda di rispettare il raggio di curvatura minimo stabilito dal produttore; curve più strette sono fonte di sollecitazioni meccaniche procuranti lesioni critiche alla tessitura metallica; con minore sopportazione alla massima pressione di esercizio, drastica riduzione della pressione di scoppio ed una durata inferiore.



Bending Radius

It is recommended to respect the minimum Bending radius during assembly because bends With a lower radius would result in mechanical Stress and serious damages to metal threads Which would shorten working life, and reduce Burst pressure and resistance to max pressure. Excessive bending would neutralise the advantage Of lower pressure drops in hose bends.

Scelta dei raccordi

Utilizzare raccordi adeguati per evitare sollecitazioni al tubo flessibile.
Eliminare posizioni non corrette che il Flessibile potrebbe assumere una volta Installato sull'impianto.

Choose the right fitting!!

Select the suitable fitting in order
To avoid any stress to crimped hose.

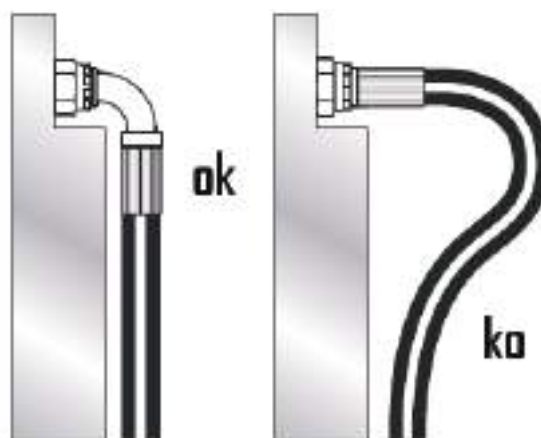


TABELLA COMPATIBILITÀ FLUIDI

Fluids Compatibility table

Fluido	Acciaio Inox	NBR	VITON®	Fluido	Acciaio Inox	NBR	VITON®
Acetilene	O	N	N	Gas Naturale Non Trattato	O	N	N
Acetone	O	N	N	Gasolio	O	O	O
Acido Cloridrico	S	N	O	Glicerina	O	O	O
Acido Fosforico	N	N	S	Glicole	O	O	O
Acido Nitrico	S	N	S	Idrogeno	O	O	O
Acido Solforico	S	N	O	Iodio	O	S	O
Acqua	S	N	O	Kerosene	O	O	O
Acqua Distillata	O	O	O	Metano	O	O	O
Acqua Marina	S	O	O	Metanolo	O	O	O
Acqua Ossigenata	O	N	O	Nafta	O	O	O
Acquaragia	O	O	O	Neon	O	O	O
Ammoniaca Gassosa, Fredda	O	O	N	Olio	O	O	O
Ammoniaca Liquida	O	S	N	Olio da Riscaldamento	O	O	N
Anidride Carbonica	O	O	S	Olio dei Freni	O	N	O
Argo	O	O	O	Olio della Trasmissione	O	O	O
Aria	O	O	O	Olio Minerale	O	O	O
Aria compressa	O	O	O	Olio Minerale Naturale	O	S	O
ASTM-Oil, 1	O	O	O	Olio per Comandi Idraulici	O	O	O
ASTM-Oil, 2	O	O	O	Olio Vegetale	O	O	O
ASTM-Oil, 3	O	O	O	Ossido di Carbonio	O	O	N
Azoto	O	O	O	Ossigeno	O	N	O
Benzene	O	N	O	Ozono	O	N	O
Biossido di Zolfo	O	N	O	Pentano	O	O	O
Bisolfuro di Carbonio	O	N	O	Pentano Liquido	O	O	O
Butano	O	O	O	Propano	O	O	O
Cloro	O	N	O	Silicone	O	O	O
Elio	O	O	O	Stirene	O	S	O
Etano	O	O	N	Toluolo	O	N	S
Etere	O	O	N	Trielina	S	N	S
Gas Combustibile	O	O	S	Vapore	O	N	N
Gas Naturale	O	O	O	Xilolo	O	N	O

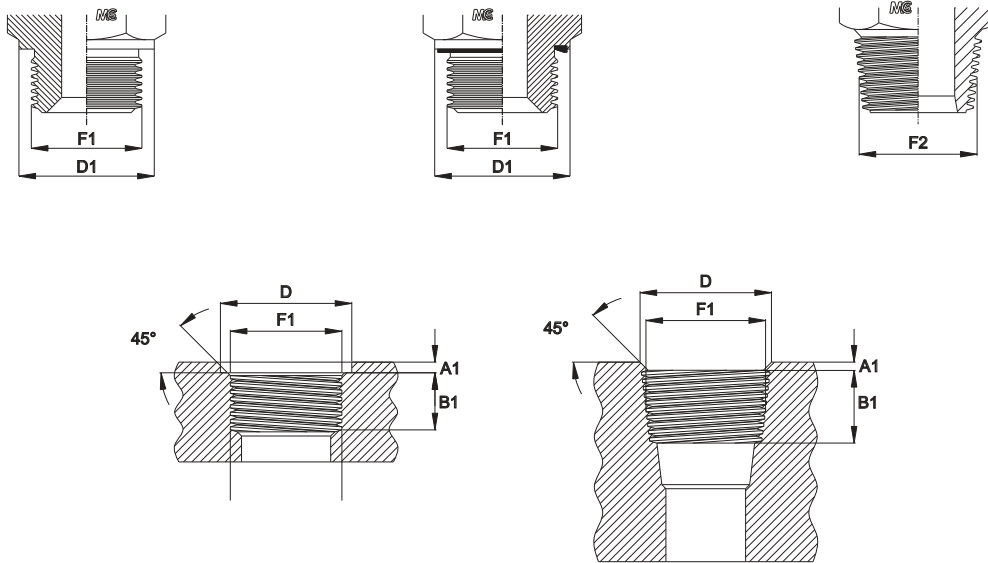
Legenda: O = Ottimo; S = Sufficiente; N = Non Raccomandato.

Legend : O = Excellent ; S = Sufficient ; N = Not Recommended

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VITON® is a DuPont Dow Elastomers Trade Mark

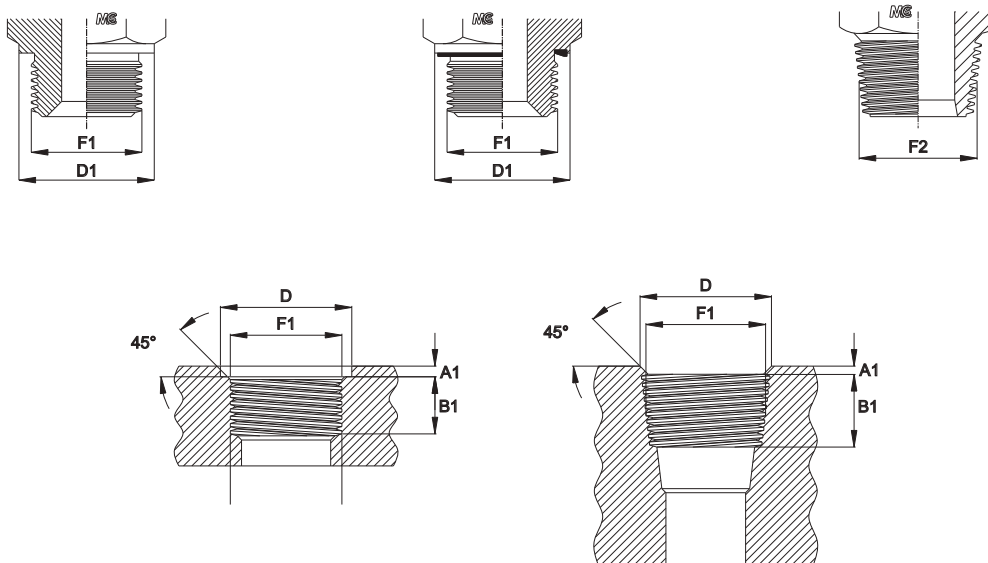
SEDI E FILETTATURE BSP THREAD COUPLING - BSP THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
1/8"	1/8"	1	8	15	14	14	5,5	6	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	10	L
3/8"	3/8"	1,5	12	23	22	22	8,5	12	L
1/2"	1/2"	2	12	27	26	26,9	10,5	15	L
1/2"	1/2"	2,5	14	27	26	26,9	10,5	18	L
3/4"	3/4"	2,5	16	33	32	32	13	22	L
1"	1"	2,5	18	40	39	39,9	16	28	L
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	35	L
1" 1/2	1" 1/2	2,5	22	56	55	55	17	42	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	6	S
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	S
3/8"	3/8"	1,5	12	23	22	22	8,5	10	S
3/8"	3/8"	2	12	23	22	22	8,5	12	S
1/2"	1/2"	2	14	27	26	26,9	10,5	14	S
1/2"	1/2"	2,5	14	27	26	26,9	10,5	16	S
3/4"	3/4"	2,5	16	33	32	32	13	20	S
1"	1"	2,5	18	40	39	39,9	16	25	S
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	30	S
1" 1/2	1" 1/2	2,5	22	56	55	55	17	38	S

F1 - Filetto Gas Cilindrico - Thread BSP Parallel
F2 - Filetto Gas Conico - Thread BSP Taper

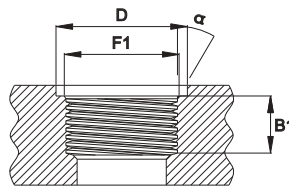
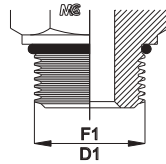
SEDI E FILETTATURE METRICHE THREAD COUPLING - METRIC THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
10x1	10x1	1	8	15	14	14	5,5	6	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	8	L
14x1,5	14x1,5	1,5	12	20	19	19	8,5	10	L
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	12	L
18x1,5	18x1,5	2	12	24	23	23,9	8,5	15	L
22x1,5	22x1,5	2,5	14	28	27	27	10,5	18	L
26x1,5		2,5	16	32	31	31,9		22	L
33x2		2,5	18	40	39	39,9		28	L
42x2		2,5	20	50	49	49,9		35	L
48x2		2,5	22	56	55	55		42	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	6	S
14x1,5	14x1,5	1,5	12	20	19	19	8,5	8	S
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	10	S
18x1,5	18x1,5	2	12	24	23	23,9	8,5	12	S
20x1,5	20x1,5	2	14	26	25	25,9	10,5	14	S
22x1,5	22x1,5	2,5	14	28	27	27	10,5	16	S
27x2		2,5	16	33	32	32		20	S
33x2		2,5	18	40	39	39,9		25	S
42x2		2,5	20	50	49	49,9		30	S
48x2		2,5	22	56	55	55		38	S

F1 - Filetto Metrico Cilindrico - Thread Metric Parallel
F2 - Filetto Metrico Conico - Thread Metric Taper

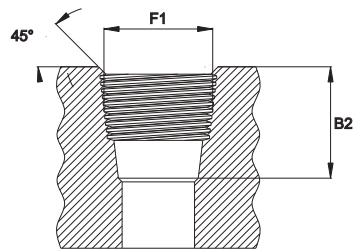
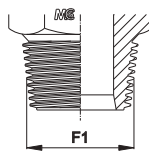
SEDI E FILETTATURE UNF/UN-2A THREAD COUPLING - UNF/UN-2A



F1	A1 MAX	B1 MIN	D	D1	a
7/16"	1,6	11,5	21	15,8	12°
1/2"	1,6	11,5	23	16,2	12°
9/16"	1,6	12,7	25	17,7	12°
3/4"	2,4	14,3	30	23	15°
7/8"	2,4	16,7	34	27	15°
1" 1/16	2,4	19	41	32	15°
1" 5/16	3,2	19	49	38,1	15°
1" 5/8	3,2	19	58	48	15°

F1 - UNF/UN-2A

SEDI E FILETTATURE NPT THREAD COUPLING - NPT



F1	B2 MIN
1/8"	1,6
1/4"	1,6
3/8"	1,6
1/2"	2,4
3/4"	2,4
1"	2,4
1" 1/4	3,2
1" 1/2	3,2

F1 - NPT

GUARNIZIONI IMPIEGATE Sealing Materials :

Le guarnizioni impiegate, possono essere sia in NBR ed hanno una temperatura di esercizio compresa tra i -35°C ed i 100°C e durezza 85±5 Shore, sia in VITON® se dovessero sostenere temperature di esercizio più elevate comprese tra i -25°C ed i 200°C e durezza 80±5 Shore. Tali prodotti devono essere stoccati secondo la norma DIN 7716 (Requisiti per l'immagazzinamento di prodotti in gomma e caucciù).

Seals used can be in NBR (Nitrile Rubber), so they have an operating temperature from -35°C to 100°C and hardness 85± 5 Shore, and in Viton® in case they are used for highest temperature from -25°C to 200°C and hardness 80±5 Shore. These products must be stored according to DIN 7716 (This is essential for the stocking of rubber products).

TEMPERATURE AMMESSE E RIDUZIONI DI PRESSIONE Pressure reductions and Temperature

Acciaio inossidabile da -60°C a 200°C secondo ISO 8434.

La riduzione della pressione di esercizio sui raccordi in acciaio inossidabile 1.4571 deve essere applicata in funzione della temperatura di esercizio riscontrata, secondo la NORMA ISO 8434. In caso di sistema con più componenti i parametri devono essere calcolati sul componente più debole.

Stainless steel from -60°C to 200°C according to ISO 8434.

The reduction of the operating pressure on stainless steel fittings 14571 must be applied according to the operating temperature, in accordance with ISO 8434. For systems consisting of more components the parameters must be calculated on the weakest component.

<i>Tipo di acciaio impiegato Type of Steel used</i>	<i>Temperatura di esercizio Operating temperature</i>	<i>Riduzione della pressione di esercizio Oper. Press.Reduc.</i>
1,4571	≥ 50°C	-4%
1,4571	≥100°C	-11%
1,4571	≥200°C	-20%

TRATTAMENTO DI FINITURA

Cleaning Process

Processo di Lavaggio ad Ultrasuoni:

Tutti gli articoli prodotti dalla M.C.S. Hydraulics sono sottoposti ad un trattamento di lavaggio ed asciugatura ad ultrasuoni.

La M.C.S. Hydraulics utilizza un sistema di vasche di lavaggio ad ultrasuoni doppia frequenza con moduli di risciacquo ed asciugatura; le bolle di cavitazione generate dalle onde ultrasoniche, consentono la rimozione di impurità e residui, come polvere, olii, grassi, trucioli e bave di lavorazione che aderiscano alla superficie metallica, senza peraltro intaccare il materiale stesso.

La tecnologia del lavaggio con ultrasuoni è molto diffusa come sistema per la pulizia di gioielleria, nonché di dispositivi medici ed odontoiatrici e viene sempre più spesso utilizzata per il lavaggio industriale: al termine di tale processo il raccordo si presenta brillante, completamente pulito e sterilizzato e soprattutto si presta ad essere utilizzato per svariate applicazioni particolari.

Ultrasonic Cleaning:

Each item produced by M.C.S. Hydraulics is subjected to an ultrasonic cleaning treatment. M.C.S. employs a cleaning device that uses Ultrasonic dual frequency waves and an appropriate cleaning solvent, to clean each and every product.

Cavitation bubbles induced by the Ultrasound waves, act on a number of contaminants (Such as dirt, dust, grease etc.) adhering to metal.

This action also penetrates blind holes, cracks, and recesses; the intention is to remove all traces of contamination from surface .

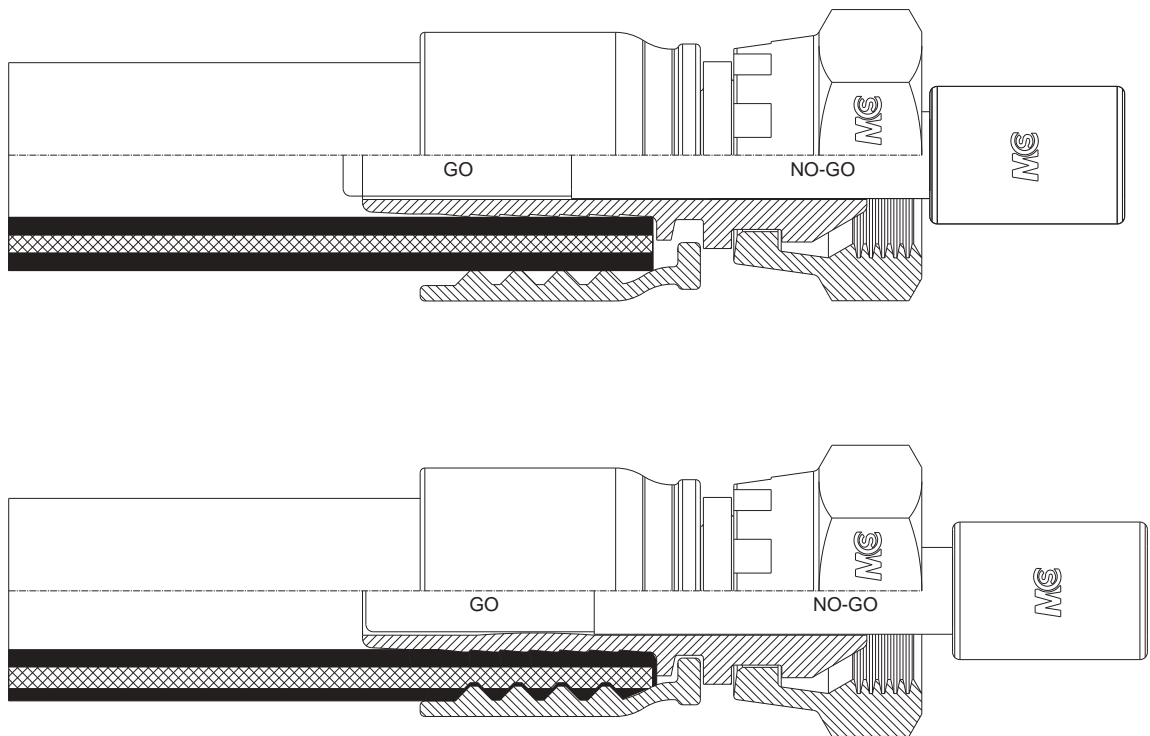
Ultrasonics are used for industrial cleaning, but also in many medical and dental techniques: at the end of this process, fittings are bright, completely cleaned, sterilized and ready to be used even for very particular applications.

HYDRAULIC ASSEMBLING PROCEDURE*Insert Bore Collapse Control***PROCEDURA ASSEMBLAGGIO TUBI FLESSIBILI***Metodo di controllo del collasso foro***WIRE SPIRAL HOSES**

NOMINAL SIZE (inch)	INSERT COLLAPSE (mm)		GO, NO-GO MANDRELS (GAUGES) DIAMETERS (mm)			
			MULTISPIRAL TYPE		INTERLOCK TYPE	
	MINIMUM	MAXIMUM	NO-GO	GO	NO-GO	GO
1/4"	0.40	0.80				
3/8"	0.70	1.40				
1/2"	0.85	1.70				
5/8"	1.00	2.00			10.90	10.05
3/4"	1.10	2.20			13.80	12.90
1"	1.30	2.60			18.55	17.50
1" 1/4	1.45	2.90			21.35	20.25
1" 1/2	1.50	3.00			27.90	26.85
2"	1.75	3.50			37.00	35.70

WIRE BRAID HOSES

NOMINAL SIZE (inch)	INSERT COLLAPSE (mm)		GO, NO-GO MANDRELS (GAUGES) DIAMETERS (mm)	
			for STANDARD TYPE	
	MINIMUM	MAXIMUM	NO-GO	GO
3/16"	0.25	0.55	2.80	2.30
1/4"	0.30	0.65	3.75	3.20
5/16"	0.35	0.75	5.20	4.65
3/8"	0.40	1.00	6.60	5.90
1/2"	0.50	1.20	9.05	8.25
5/8"	0.60	1.35	11.40	10.60
3/4"	0.65	1.45	14.30	13.40
1"	0.70	1.55	19.50	18.40
1" 1/4	1.00	2.00	23.90	23.15
1" 1/2	1.15	2.30	29.70	28.80
2"	1.25	2.50	38.60	37.70
2" 3/8	1.00	2.00	49.50	48.50
2" 1/2	1.00	2.00	53.80	52.80
3"	0.80	1.80	65.00	64.00

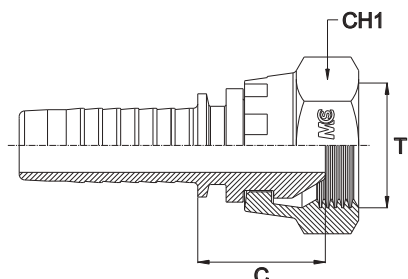


We suggest to control the collapse of the insert diameter using the go not go gauges

Suggeriamo di controllare il collasso del diametro dell'inserto utilizzando i tamponi passa non passa

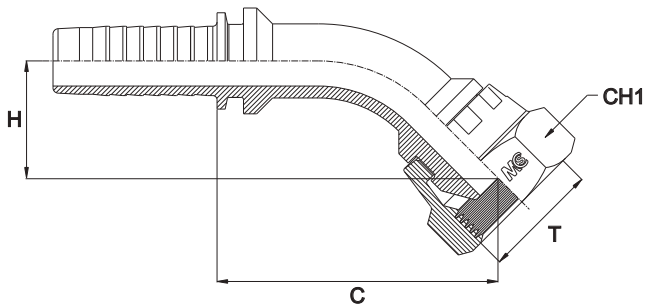


FEMMINA GIREVOLE GAS CONO 60°
BSP SWIVEL FEMALE 60° CONE
- DKR -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPSF0202	1/8"	1/8"	17	17
	BSPSF0203	1/8"	3/16"	17	17
	BSPSF0204	1/8"	1/4"	17	17
	BSPSF0402	1/4"	1/8"	17	19
	BSPSF0403	1/4"	3/16"	17	19
450	BSPSF0404	1/4"	1/4"	17	19
350	BSPSF0405	1/4"	5/16"	17	19
450	BSPSF0406	1/4"	3/8"	17	19
415	BSPSF0603	3/8"	3/16"	19	22
450	BSPSF0604	3/8"	1/4"	19	22
350	BSPSF0605	3/8"	5/16"	20	22
450	BSPSF0606	3/8"	3/8"	19	22
415	BSPSF0608	3/8"	1/2"	19	22
450	BSPSF0804	1/2"	1/4"	22	27
350	BSPSF0805	1/2"	5/16"	23	27
450	BSPSF0806	1/2"	3/8"	22	27
415	BSPSF0808	1/2"	1/2"	23	27
350	BSPSF0810	1/2"	5/8"	25	27
	BSPSF0812	1/2"	3/4"	24	27
415	BSPSF1008	5/8"	1/2"	25	30
350	BSPSF1010	5/8"	5/8"	25	30
250	BSPSF1012	5/8"	3/4"	24	30
415	BSPSF1206	3/4"	3/8"	24	32
	BSPSF1208	3/4"	1/2"	24	32
350	BSPSF1210	3/4"	5/8"	27	32
	BSPSF1212	3/4"	3/4"	25	32
280	BSPSF1216	3/4"	1"	27	32
350	BSPSF1612	1"	3/4"	26	38
280	BSPSF1616	1"	1"	27	38
210	BSPSF1620	1"	1"1/4"	28	38
280	BSPSF2016	1"1/4"	1"	27	50
210	BSPSF2020	1"1/4"	1"1/4"	28	50
	BSPSF2420	1"1/2"	1"1/4"	32	55
185	BSPSF2424	1"1/2"	1"1/2"	33	55
	BSPSF3224	2"	1"1/2"	31	70
165	BSPSF3232	2"	2"	31	70
120	BSPSF4040	2"1/2"	2"1/2"	36	85
70	BSPSF4848	3"	3"	38	100

FEMMINA GIREVOLE A 45° GAS CONO 60°
45° BSP SWIVEL FEMALE 60° CONE
- DKR 45° -

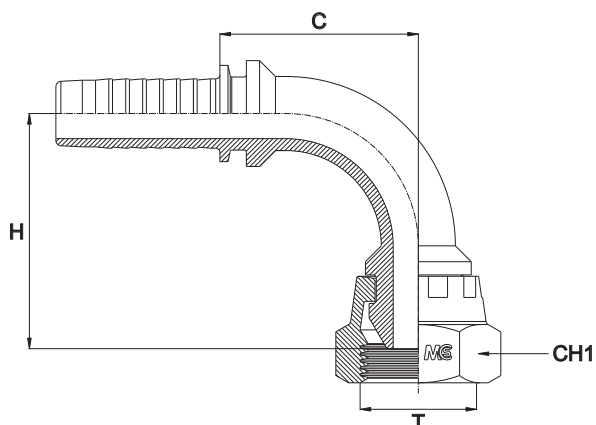


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
415	45BSPSF0202	1/8"	1/8"	39,0	17,0	17
	45BSPSF0402	1/4"	1/8"	39,0	17,0	19
	45BSPSF0203	1/8"	3/16"	39,0	15,5	17
	45BSPSF0204	1/8"	1/4"	39,5	16,5	17
	45BSPSF0403	1/4"	3/16"	39,0	15,5	19
450	45BSPSF0404	1/4"	1/4"	39,5	16,5	19
350	45BSPSF0405	1/4"	5/16"	37,0	16,0	19
450	45BSPSF0406	1/4"	3/8"	54,0	15,5	19
	45BSPSF0604	3/8"	1/4"	38,5	22,5	22
350	45BSPSF0605	3/8"	5/16"	58,0	30,0	22
450	45BSPSF0606	3/8"	3/8"	56,0	22,0	22
415	45BSPSF0608	3/8"	1/2"	-	-	22
350	45BSPSF0805	1/2"	5/16"	-	-	27
450	45BSPSF0806	1/2"	3/8"	57,5	22,0	27
415	45BSPSF0808	1/2"	1/2"	63,5	24,0	27
350	45BSPSF0810	1/2"	5/8"	76,0	26,5	27
	45BSPSF0812	1/2"	3/4"	87,4	27,5	27
415	45BSPSF1008	5/8"	1/2"	-	-	30
350	45BSPSF1010	5/8"	5/8"	72,0	21,0	30
415	45BSPSF1208	3/4"	1/2"	-	-	32
350	45BSPSF1210	3/4"	5/8"	76,5	27,5	32
	45BSPSF1212	3/4"	3/4"	86,5	32,5	32
	45BSPSF1612	1"	3/4"	89,0	34,0	38
280	45BSPSF1616	1"	1"	112,5	38,5	38
	45BSPSF2016	1"1/4"	1"	-	-	50
150	45BSPSF2020	1"1/4"	1"1/4"	145,5	45,0	50
210	45BSPSF2420	1"1/2"	1"1/4"	-	-	55
185	45BSPSF2424	1"1/2"	1"1/2"	172,5	55,5	55
	45BSPSF3224*	2"	1"1/2"	-	-	70
165	45BSPSF3232	2"	2"	187,0	50,0	70
	45BSPSF4040*	2"1/2"	2"1/2"	85,5	45,0	85

* Saldata

* Welded

FEMMINA GIREVOLE A 90° GAS CONO 60°
90° BSP SWIVEL FEMALE 60° CONE
- DKR 90° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
415	90BSPSF0202	1/8"	1/8"	23,5	26,5	17
	90BSPSF0402	1/4"	1/8"	23,5	26,5	19
	90BSPSF0203	1/8"	3/16"	28,5	29,0	17
	90BSPSF0204	1/8"	1/4"	23,5	26,5	17
	90BSPSF0403	1/4"	3/16"	28,5	28,0	19
450	90BSPSF0404	1/4"	1/4"	23,5	27,5	19
350	90BSPSF0405	1/4"	5/16"	25,5	25,5	19
450	90BSPSF0406	1/4"	3/8"	34,5	34,5	19
	90BSPSF0604	3/8"	1/4"	23,5	35,5	22
350	90BSPSF0605	3/8"	5/16"	25,5	36,0	22
450	90BSPSF0606	3/8"	3/8"	34,5	36,5	22
415	90BSPSF0608	3/8"	1/2"	37,5	44,5	22
350	90BSPSF0805	1/2"	5/16"	25,5	-	27
450	90BSPSF0806	1/2"	3/8"	34,5	37,0	27
415	90BSPSF0808	1/2"	1/2"	37,5	44,5	27
350	90BSPSF0810	1/2"	5/8"	44,5	52,0	27
	90BSPSF0812	1/2"	3/4"	52,5	59,5	27
415	90BSPSF1008	5/8"	1/2"	37,5	-	30
350	90BSPSF1010	5/8"	5/8"	44,5	52,5	30
415	90BSPSF1208	3/4"	1/2"	37,5	47,0	32
350	90BSPSF1210	3/4"	5/8"	44,5	52,0	32
	90BSPSF1212	3/4"	3/4"	52,5	59,0	32
	90BSPSF1612	1"	3/4"	52,5	62,0	38
280	90BSPSF1616	1"	1"	67,5	74,5	38
	90BSPSF2016	1"1/4"	1"	67,5	-	50
150	90BSPSF2020	1"1/4"	1"1/4"	89,0	85,7	50
210	90BSPSF2420	1"1/2"	1"1/4"	85,0	103,0	55
185	90BSPSF2424	1"1/2"	1"1/2"	114,0	110,0	55
	90BSPSF3224*	2"	1"1/2"	114,0	-	70
165	90BSPSF3232	2"	2"	126,0	122,0	70
70	90BSPSF4040*	2"1/2"	2"1/2"	102,0	122,0	85
50	90BSPSF4848*	3"	3"	-	-	100

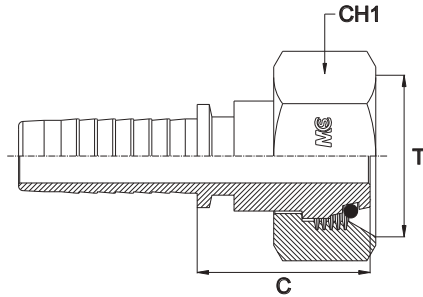
* Saldata

* Welded

FEMMINA GIREVOLE O'RING FILETTO METRICO CONO 24° - SERIE LEGGERA

O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE

- DKOL -

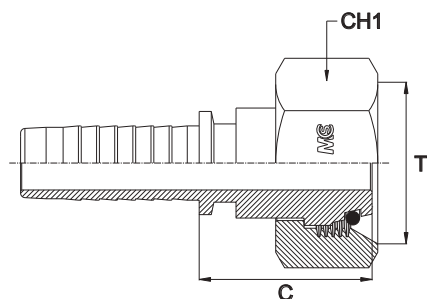


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
280	ORMSFL0602	12x1,5	1/8"	06L	22,5	14
	ORMSFL0603	12x1,5	3/16"	06L	22,5	14
	ORMSFL0604	12x1,5	1/4"	06L	21,5	14
	ORMSFL0803	14x1,5	3/16"	08L	22,5	17
	ORMSFL0804	14x1,5	1/4"	08L	21,5	17
	ORMSFL0805	14x1,5	5/16"	08L	23,0	17
	ORMSFL0806*	14x1,5	3/8"	08L	21,0	17
	ORMSFL1003	16x1,5	3/16"	10L	26,0	19
	ORMSFL1004	16x1,5	1/4"	10L	26,0	19
	ORMSFL1005	16x1,5	5/16"	10L	26,0	19
	ORMSFL1006	16x1,5	3/8"	10L	26,0	19
	ORMSFL1204	18x1,5	1/4"	12L	24,5	22
	ORMSFL1205	18x1,5	5/16"	12L	26,0	22
	ORMSFL1206	18x1,5	3/8"	12L	26,0	22
	ORMSFL1208*	18x1,5	1/2"	12L	22,5	22
	ORMSFL1505	22x1,5	5/16"	15L	27,0	27
	ORMSFL1506	22x1,5	3/8"	15L	27,0	27
	ORMSFL1508	22x1,5	1/2"	15L	27,0	27
ORMSFL1510	22x1,5	5/8"	15L	27,0	27	
ORMSFL1512*	22x1,5	3/4"	15L	27,6	27	
ORMSFL1806	26x1,5	3/8"	18L	30,5	32	
210	ORMSFL1808	26x1,5	1/2"	18L	30,5	32
	ORMSFL1810	26x1,5	5/8"	18L	30,5	32
	ORMSFL1812*	26x1,5	3/4"	18L	31,0	32
	ORMSFL2208	30x2	1/2"	22L	36,0	36
	ORMSFL2210	30x2	5/8"	22L	36,0	36
	ORMSFL2212	30x2	3/4"	22L	36,5	36
165	ORMSFL2216*	30x2	1"	22L	31,0	36
	ORMSFL2810	36x2	5/8"	28L	37,0	41
	ORMSFL2812	36x2	3/4"	28L	37,0	41
	ORMSFL2816	36x2	1"	28L	37,0	41
125	ORMSFL2820*	36x2	1"1/4	28L	36,5	41
	ORMSFL3520	45x2	1"1/4	35L	36,5	50
100	ORMSFL4224	52x2	1"1/2	42L	36,5	60

* Dado Pressato

* Crimping Nut

FEMMINA GIREVOLE O'RING FILETTO METRICO CONO 24° - SERIE PESANTE
O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE
- DKOS -

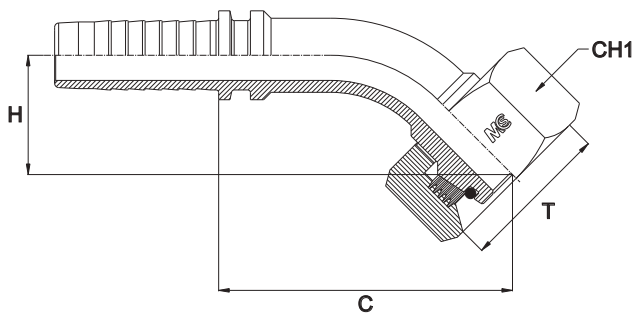


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
420	ORMSFH0603	14x1,5	3/16"	06S	22,5	17
450	ORMSFH0604	14x1,5	1/4"	06S	22,5	17
420	ORMSFH0803	16x1,5	3/16"	08S	22,5	19
450	ORMSFH0804	16x1,5	1/4"	08S	22,5	19
350	ORMSFH0805	16x1,5	5/16"	08S	26,0	19
450	ORMSFH0806	16x1,5	3/8"	08S	26,0	19
	ORMSFH1004	18x1,5	1/4"	10S	26,0	22
350	ORMSFH1005	18x1,5	5/16"	10S	25,5	22
450	ORMSFH1006	18x1,5	3/8"	10S	26,0	22
	ORMSFH1204	20x1,5	1/4"	12S	26,0	24
350	ORMSFH1205	20x1,5	5/16"	12S	26,0	24
450	ORMSFH1206	20x1,5	3/8"	12S	26,0	24
420	ORMSFH1208	20x1,5	1/2"	12S	27,0	24
350	ORMSFH1405	22x1,5	5/16"	14S	27,0	27
450	ORMSFH1406	22x1,5	3/8"	14S	26,5	27
420	ORMSFH1408	22x1,5	1/2"	14S	26,0	27
	ORMSFH1606	24x1,5	3/8"	16S	32,0	30
	ORMSFH1608	24x1,5	1/2"	16S	32,0	30
350	ORMSFH1610	24x1,5	5/8"	16S	36,0	30
	ORMSFH2008	30x2	1/2"	20S	36,0	36
	ORMSFH2010	30x2	5/8"	20S	36,0	36
	ORMSFH2012	30x2	3/4"	20S	36,5	36
	ORMSFH2510	36x2	5/8"	25S	36,5	46
280	ORMSFH2512	36x2	3/4"	25S	36,5	46
	ORMSFH2516	36x2	1"	25S	37,0	46
	ORMSFH3012	42x2	3/4"	30S	36,5	50
	ORMSFH3016	42x2	1"	30S	37,0	50
210	ORMSFH3020*	42x2	1" 1/4	30S	36,5	50
	ORMSFH3816	52x2	1"	38S	37,0	60
185	ORMSFH3820	52x2	1" 1/4	38S	42,5	60
	ORMSFH3824	52x2	1" 1/2	38S	42,5	60
	ORMSFH5024	68x2	1" 1/2	50S	37,0	80

* Dado Pressato

* Crimping Nut

FEMMINA GIREVOLE 45° O'RING FILETTO METRICO CONO 24° - SERIE LEGGERA
45° O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE
- DKOL 45° -

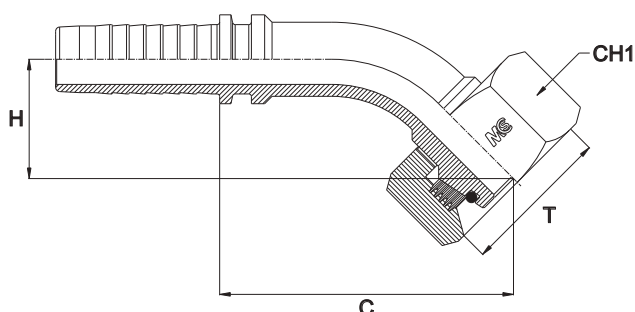


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	45ORMSFLO603	12x1,5	3/16"	06L	44,0	22,0	14
	45ORMSFLO604	12x1,5	1/4"	06L	43,5	15,7	14
	45ORMSFLO803	14x1,5	3/16"	08L	43,5	19,5	17
	45ORMSFLO804	14x1,5	1/4"	08L	50,0	18,0	17
	45ORMSFLO805	14x1,5	5/16"	08L	-	-	17
	45ORMSFL1004	16x1,5	1/4"	10L	48,0	19,0	19
	45ORMSFL1005	16x1,5	5/16"	10L	59,0	19,5	19
	45ORMSFL1006	16x1,5	3/8"	10L	55,0	18,0	19
	45ORMSFL1204	18x1,5	1/4"	12L	46,0	32,0	22
	45ORMSFL1205	18x1,5	5/16"	12L	59,0	22,0	22
	45ORMSFL1206	18x1,5	3/8"	12L	56,5	21,0	22
	45ORMSFL1208*	18x1,5	1/2"	12L	62,0	20,5	22
	45ORMSFL1506	22x1,5	3/8"	15L	-	-	27
	45ORMSFL1508	22x1,5	1/2"	15L	68,0	25,5	27
210	45ORMSFL1806	26x1,5	3/8"	18L	-	-	32
	45ORMSFL1808	26x1,5	1/2"	18L	70,5	28,5	32
	45ORMSFL1810	26x1,5	5/8"	18L	75,5	28,0	32
	45ORMSFL1812	26x1,5	3/4"	18L	85,0	22,5	32
	45ORMSFL2210	30x2	5/8"	22L	-	-	36
	45ORMSFL2212	30x2	3/4"	22L	88,5	33,0	36
165	45ORMSFL2812	36x2	3/4"	28L	86,0	27,5	41
	45ORMSFL2816	36x2	1"	28L	108,0	37,0	41
125	45ORMSFL3520	45x2	1" 1/4	35L	132,5	32,5	50
100	45ORMSFL4224	52x2	1" 1/2	42L	-	-	60

* Dado Pressato

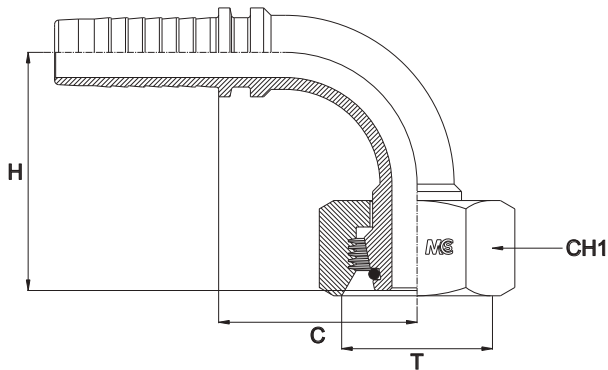
* Crimping Nut

FEMMINA GIREVOLE 45° O'RING FILETTO METRICO CONO 24° - SERIE PESANTE
45° O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE
- DKOS 45° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	45ORMSFH0603	14x1,5	3/16"	06S	-	-	17
450	45ORMSFH0604	14x1,5	1/4"	06S	-	-	17
420	45ORMSFH0803	16x1,5	3/16"	08S	-	-	19
450	45ORMSFH0804	16x1,5	1/4"	08S	47,0	16,5	19
350	45ORMSFH0805	16x1,5	5/16"	08S	-	-	19
450	45ORMSFH1004	18x1,5	1/4"	10S	48,5	22,5	22
350	45ORMSFH1005	18x1,5	5/16"	10S	-	-	22
450	45ORMSFH1006	18x1,5	3/8"	10S	55,0	19,0	22
	45ORMSFH1204	20x1,5	1/4"	12S	-	-	24
350	45ORMSFH1205	20x1,5	5/16"	12S	55,0	18,5	24
450	45ORMSFH1206	20x1,5	3/8"	12S	58,5	22,5	24
420	45ORMSFH1208	20x1,5	1/2"	12S	-	-	24
450	45ORMSFH1406	22x1,5	3/8"	14S	57,0	25,5	27
	45ORMSFH1408	22x1,5	1/2"	14S	-	-	27
420	45ORMSFH1606	24x1,5	3/8"	16S	-	-	30
	45ORMSFH1608	24x1,5	1/2"	16S	67,5	28,0	30
350	45ORMSFH1610	24x1,5	5/8"	16S	68,0	23,0	30
	45ORMSFH2008	30x2	1/2"	20S	-	-	36
	45ORMSFH2010	30x2	5/8"	20S	73,5	28,5	36
	45ORMSFH2012	30x2	3/4"	20S	87,0	29,5	36
	45ORMSFH2512	36x2	3/4"	25S	89,5	35,0	46
280	45ORMSFH2516	36x2	1"	25S	110,5	35,0	46
	45ORMSFH3012	42x2	3/4"	30S	89,0	30,5	50
	45ORMSFH3016	42x2	1"	30S	110,5	35,0	50
210	45ORMSFH3820	52x2	1" 1/4	38S	138,0	62,0	60
185	45ORMSFH3824	52x2	1" 1/2	38S	-	-	60
	45ORMSFH5024	68x2	1" 1/2	50S	-	-	80

FEMMINA GIREVOLE 90° O'RING FILETTO METRICO CONO 24° - SERIE LEGGERA
90° O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE
- DKOL 90° -

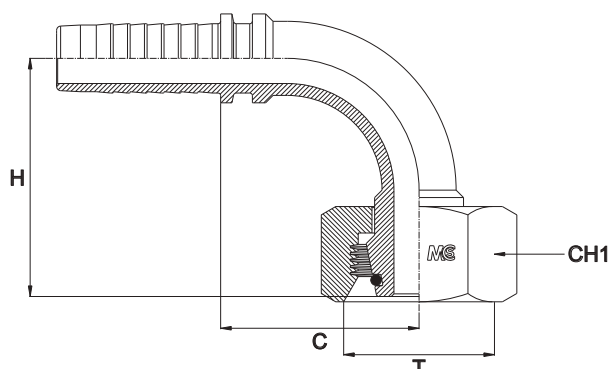


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	900RMSFL0603	12x1,5	3/16"	06L	24,5	32,0	14
	900RMSFL0604	12x1,5	1/4"	06L	24,0	32,0	14
	900RMSFL0803	14x1,5	3/16"	08L	26,5	31,0	17
	900RMSFL0804	14x1,5	1/4"	08L	24,0	32,0	17
	900RMSFL0805	14x1,5	5/16"	08L	33,5	39,1	17
	900RMSFL1003	16x1,5	3/16"	10L	27,5	35,0	17
	900RMSFL1004	16x1,5	1/4"	10L	28,0	34,5	19
	900RMSFL1005	16x1,5	5/16"	10L	37,0	36,5	19
	900RMSFL1006	16x1,5	3/8"	10L	35,0	37,5	19
	900RMSFL1204	18x1,5	1/4"	12L	27,0	36,5	22
	900RMSFL1205	18x1,5	5/16"	12L	37,0	36,5	22
	900RMSFL1206	18x1,5	3/8"	12L	35,5	36,5	22
	900RMSFL1208*	18x1,5	1/2"	12L	36,5	36,5	22
210	900RMSFL1506	22x1,5	3/8"	15L	40,0	38,5	27
	900RMSFL1508	22x1,5	1/2"	15L	37,5	45,0	27
	900RMSFL1806	26x1,5	1/2"	18L	39,0	38,5	32
	900RMSFL1808	26x1,5	1/2"	18L	39,0	49,0	32
	900RMSFL1810	26x1,5	5/8"	18L	44,0	48,5	32
	900RMSFL1812	26x1,5	3/4"	18L	52,0	63,0	32
165	900RMSFL2210	30x2	5/8"	22L	46,0	47,5	36
	900RMSFL2212	30x2	3/4"	22L	55,5	60,5	36
	900RMSFL2812	36x2	3/4"	28L	56,0	61,0	41
125	900RMSFL2816	36x2	1"	28L	62,5	79,5	41
	900RMSFL3520	45x2	1" 1/4	35L	85,0	102,5	50
100	900RMSFL4224	52x2	1" 1/2	42L	107,0	111,0	60

* Dado Pressato

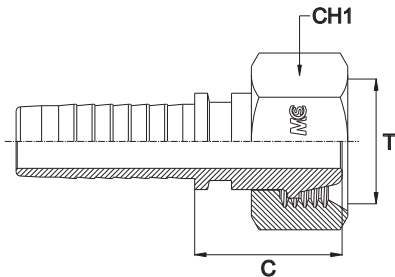
* Crimping Nut

FEMMINA GIREVOLE 90° O'RING FILETTO METRICO CONO 24° - SERIE PESANTE
90° O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE
- DKOS 90° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	900RMSFH0603	14x1,5	3/16"	06S	24,5	32,0	17
450	900RMSFH0604	14x1,5	1/4"	06S	27,0	32,0	17
420	900RMSFH0803	16x1,5	3/16"	08S	27,0	32,0	19
450	900RMSFH0804	16x1,5	1/4"	08S	22,5	33,5	19
350	900RMSFH0805	16x1,5	5/16"	08S	37,0	36,5	19
350	900RMSFH0806	16x1,5	3/8"	08S	35,0	37,5	19
450	900RMSFH1004	18x1,5	1/4"	10S	28,0	35,5	22
350	900RMSFH1005	18x1,5	5/16"	10S	37,0	36,5	22
450	900RMSFH1006	18x1,5	3/8"	10S	37,0	37,5	22
	900RMSFH1204	20x1,5	1/4"	12S	27,0	36,5	24
350	900RMSFH1205	20x1,5	5/16"	12S	37,0	37,0	24
450	900RMSFH1206	20x1,5	3/8"	12S	35,5	36,5	24
420	900RMSFH1208	20x1,5	1/2"	12S	37,0	47,5	24
450	900RMSFH1406	22x1,5	3/8"	14S	39,5	38,5	27
420	900RMSFH1408	22x1,5	1/2"	14S	40,0	46,5	27
	900RMSFH1606	24x1,5	3/8"	16S	35,4	43,0	30
	900RMSFH1608	24x1,5	1/2"	16S	36,5	45,5	30
350	900RMSFH1610	24x1,5	5/8"	16S	42,0	50,0	30
	900RMSFH2008	30x2	1/2"	20S	40,0	48,0	36
	900RMSFH2010	30x2	5/8"	20S	42,0	50,0	36
	900RMSFH2012	30x2	3/4"	20S	47,5	65,5	36
280	900RMSFH2512	36x2	3/4"	25S	55,5	60,5	46
	900RMSFH2516	36x2	1"	25S	69,5	74,5	46
	900RMSFH3012	42x2	3/4"	30S	53,0	65,0	50
210	900RMSFH3016	42x2	1"	30S	68,0	78,5	50
	900RMSFH3820	52x2	1" 1/4	38S	84,0	93,0	60
185	900RMSFH3824	52x2	1" 1/2	38S	108,0	112,0	60
	900RMSFH5024	68x2	1" 1/2	50S	-	-	80

FEMMINA METRICA OGIVA 24/60°
METRIC FEMALE 24/60° CONE LIGHT MULTISEAL
- DKL -

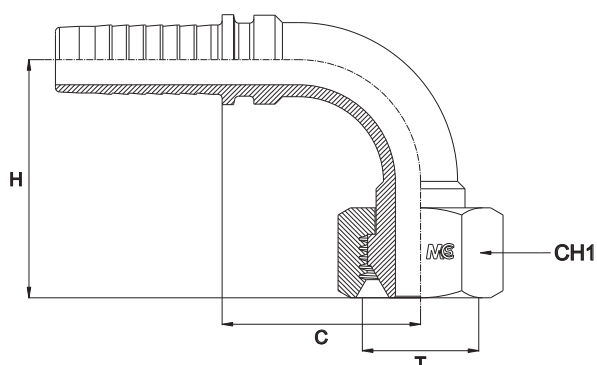


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
280	MSFLMS1203	12x1,5	3/16"	22,0	14
	MSFLMS1204	12x1,5	1/4"	22,5	14
	MSFLMS1403	14x1,5	3/16"	22,5	17
	MSFLMS1404	14x1,5	1/4"	22,5	17
	MSFLMS1405*	14x1,5	5/16"	21,0	17
	MSFLMS1604	16x1,5	1/4"	26,0	19
	MSFLMS1605	16x1,5	5/16"	26,0	19
	MSFLMS1606	16x1,5	3/8"	26,0	19
	MSFLMS1804	18x1,5	1/4"	26,0	22
	MSFLMS1805	18x1,5	5/16"	26,0	22
	MSFLMS1806	18x1,5	3/8"	26,0	22
	MSFLMS2206	22x1,5	3/8"	27,0	27
MSFLMS2208	22x1,5	1/2"	26,0	27	
210	MSFLMS2608	26x1,5	1/2"	31,0	32
	MSFLMS2610	26x1,5	5/8"	30,5	32
	MSFLMS3012	30x2	3/4"	36,5	36
165	MSFLMS3616	36x2	1"	37,0	41
125	MSFLMS4520	45x2	1" 1/4	36,5	50
100	MSFLMS5224	52x2	1" 1/2	36,5	60

* Dado Pressato

* Crimping Nut

FEMMINA 90° METRICA OGIVA 24/60°
90° METRIC FEMALE 24/60° CONE LIGHT MULTISEAL
- DKL 90° -

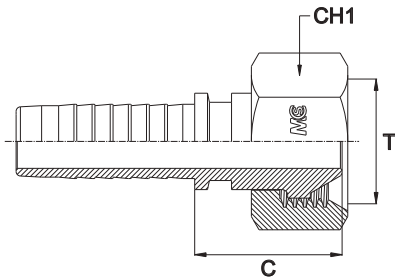


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
280	90MSFLMS1203	12x1,5	3/16"	24,0	32,0	14
	90MSFLMS1204	12x1,5	1/4"	24,0	32,0	14
	90MSFLMS1404	14x1,5	1/4"	24,0	32,0	17
	90MSFLMS1405	14x1,5	5/16"	24,0	32,0	17
	90MSFLMS1604	16x1,5	1/4"	28,0	34,5	19
	90MSFLMS1605	16x1,5	5/16"	37,0	36,5	19
	90MSFLMS1606	16x1,5	3/8"	35,0	37,5	19
	90MSFLMS1804	18x1,5	1/4"	27,0	36,5	22
	90MSFLMS1805	18x1,5	5/16"	37,0	36,5	22
	90MSFLMS1806	18x1,5	3/8"	35,5	36,5	22
210	90MSFLMS2206	22x1,5	3/8"	40,0	38,5	27
	90MSFLMS2208	22x1,5	1/2"	37,5	45,0	27
	90MSFLMS2608	26x1,5	1/2"	39,0	49,0	32
165	90MSFLMS2610	26x1,5	5/8"	44,0	48,5	32
	90MSFLMS3012	30x2	3/4"	55,5	60,5	36
125	90MSFLMS3616	36x2	1"	70,5	75,0	41
100	90MSFLMS4520	45x2	1"1/4	85,0	93,5	50
	90MSFLMS5224	52x2	1"1/2	107,0	111,0	60

* Disponibile anche a 45°

* Also Available 45°

FEMMINA METRICA CONO 60°
METRIC FEMALE 60° CONE
- DKM -

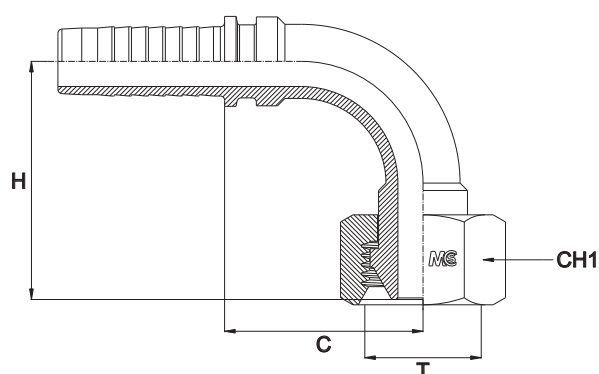


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
350	MSFL1203	12x1,5	3/16"	22,0	14
	MSFL1204	12x1,5	1/4"	21,5	14
	MSFL1404	14x1,5	1/4"	21,5	17
	MSFL1405*	14x1,5	5/16"	21,0	17
	MSFL1604	16x1,5	1/4"	21,5	19
	MSFL1605	16x1,5	5/16"	26,0	19
315	MSFL1606	16x1,5	3/8"	26,0	19
	MSFL1608	16x1,5	1/2"	26,0	19
350	MSFL1804	18x1,5	1/4"	26,0	22
	MSFL1805	18x1,5	5/16"	26,0	22
	MSFL1806	18x1,5	3/8"	26,0	22
315	MSFL2006	20x1,5	3/8"	26,0	24
	MSFL2008	20x1,5	1/2"	27,0	24
	MSFL2206	22x1,5	3/8"	24,2	27
	MSFL2208	22x1,5	1/2"	26,0	27
250	MSFL2608	26x1,5	1/2"	31,0	32
	MSFL2610	26x1,5	5/8"	30,5	32
210	MSFL3012	30x1,5	3/4"	36,5	36
165	MSFL3816	38x1,5	1"	37,0	46
125	MSFL4520	45x1,5	1"1/4	36,5	50

* Dado Pressato

* Crimping Nut

FEMMINA METRICA A 90° CONO 60°
90° METRIC FEMALE 60° CONE
- DKM 90° -

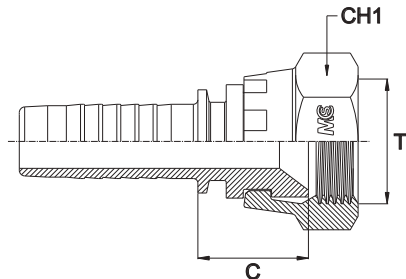


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	90MSFL1203	12x1,5	3/16"	24,0	32,0	14
	90MSFL1204	12x1,5	1/4"	24,0	32,0	14
	90MSFL1404	14x1,5	1/4"	24,0	32,0	17
	90MSFL1604	16x1,5	1/4"	28,0	34,5	19
	90MSFL1605	16x1,5	5/16"	37,0	36,5	19
	90MSFL1606	16x1,5	3/8"	35,0	37,5	19
	90MSFL1805	18x1,5	5/16"	37,0	36,5	22
315	90MSFL1806	18x1,5	3/8"	35,5	36,5	22
	90MSFL2006	20x1,5	3/8"	35,5	36,5	24
250	90MSFL2208	22x1,5	1/2"	37,5	45,0	27
	90MSFL2608	26x1,5	1/2"	39,0	49,0	32
210	90MSFL2610	26x1,5	5/8"	44,0	48,5	32
165	90MSFL3012	30x1,5	3/4"	55,5	59,5	36
	90MSFL3816	38x1,5	1"	70,5	75,0	46

* Disponibile anche a 45°

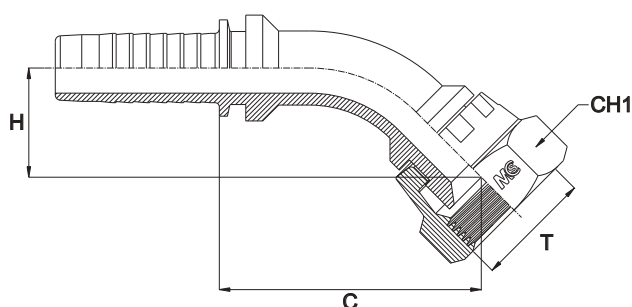
* Also Available 45°

FEMMINA GIREVOLE JIC SVASATA 74°
JIC SWIVEL FEMALE 74° CONE
- DKJ -



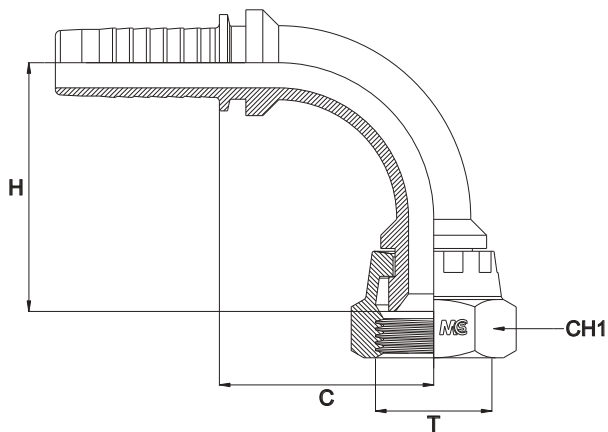
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
350	JSF0603	3/8"	3/16"	15,5	17
	JSF0703	7/16"	3/16"	15,5	17
	JSF0704	7/16"	1/4"	15,5	17
	JSF0705	7/16"	5/16"	15,5	17
	JSF0706	7/16"	3/8"	15,5	17
	JSF0803	1/2"	3/16"	15,5	17
	JSF0804	1/2"	1/4"	15,5	17
	JSF0805	1/2"	5/16"	15,5	17
250	JSF0806	1/2"	3/8"	15,5	17
	JSF0904	9/16"	1/4"	15,5	19
	JSF0905	9/16"	5/16"	15,5	19
	JSF0906	9/16"	3/8"	15,5	19
	JSF0908	9/16"	1/2"	16,5	19
	JSF1006	5/8"	3/8"	15,5	22
	JSF1204	3/4"	1/4"	19,0	24
	JSF1205	3/4"	5/16"	19,0	24
200	JSF1206	3/4"	3/8"	19,0	24
	JSF1208	3/4"	1/2"	19,5	24
	JSF1210	3/4"	5/8"	20,0	24
	JSF1212	3/4"	3/4"	20,5	24
	JSF1406	7/8"	3/8"	19,0	27
	JSF1408	7/8"	1/2"	19,5	27
	JSF1410	7/8"	5/8"	20,0	27
	JSF1412	7/8"	3/4"	20,5	27
160	JSF1708	1" 1/16	1/2"	23,0	32
	JSF1710	1" 1/16	5/8"	23,0	32
	JSF1712	1" 1/16	3/4"	23,0	32
	JSF1716	1" 1/16	1"	23,5	32
100	JSF2112	1" 5/16	3/4"	23,5	38
	JSF2116	1" 5/16	1"	24,5	38
125	JSF2120	1" 5/16	1" 1/4	25,5	38
	JSF2616	1" 5/8	1"	27,0	50
100	JSF2620	1" 5/8	1" 1/4	28,0	50
	JSF3020	1" 7/8	1" 1/4	28,0	55
80	JSF3024	1" 7/8	1" 1/2	28,0	55
	JSF4032	2" 1/2	2"	31,0	70

FEMMINA GIREVOLE 45° JIC SVASATA 74°
45° JIC SWIVEL FEMALE 74° CONE
- DKJ 45° -



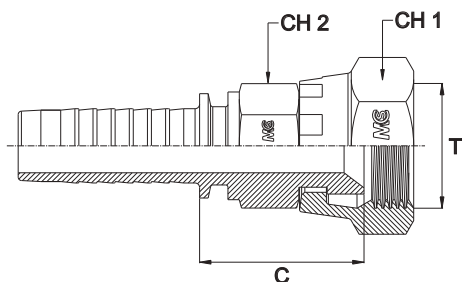
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	45JSF0603	3/8"	3/16"	42,5	14,5	17
	45JSF0703	7/16"	3/16"	39,0	14,5	17
	45JSF0704	7/16"	1/4"	41,5	18,5	17
	45JSF0705	7/16"	5/16"	-	-	17
	45JSF0803	1/2"	3/16"	-	-	17
	45JSF0804	1/2"	1/4"	42,5	19,5	17
250	45JSF0805	1/2"	5/16"	38,3	12,0	17
	45JSF0806	1/2"	3/8"	59,0	20,5	17
	45JSF0904	9/16"	3/8"	61,5	23,0	19
	45JSF0905	9/16"	5/16"	68,5	26,0	19
	45JSF0906	9/16"	3/8"	52,5	16,5	19
	45JSF1204	3/4"	1/4"	46,0	11,5	24
	45JSF1206	3/4"	3/8"	56,0	16,0	24
	45JSF1208	3/4"	1/2"	64,0	20,0	24
200	45JSF1210	3/4"	5/8"	-	-	24
	45JSF1212	3/4"	3/4"	-	-	24
	45JSF1406	7/8"	3/8"	58,0	23,5	27
	45JSF1408	7/8"	1/2"	70,5	36,0	27
	45JSF1410	7/8"	5/8"	70,0	41,0	27
	45JSF1708	1" 1/16	1/2"	-	-	32
	45JSF1710	1" 1/16	5/8"	79,0	26,5	32
160	45JSF1712	1" 1/16	3/4"	98,5	35,0	32
	45JSF1716	1" 1/16	1"	-	-	32
125	45JSF2112	1" 5/16	3/4"	86,0	26,0	38
	45JSF2116	1" 5/16	1"	109,0	37,0	38
100	45JSF2616	1" 5/8	1"	-	-	50
	45JSF2620	1" 5/8	1" 1/4	134,0	43,0	50
80	45JSF3020	1" 7/8	1" 1/4	135,0	46,3	55
	45JSF3024	1" 7/8	1" 1/2	172,5	53,5	55
	45JSF4032	2" 1/2	2"	-	-	70

FEMMINA GIREVOLE 90° JIC SVASATA 74°
90° JIC SWIVEL FEMALE 74° CONE
- DKJ 90° -



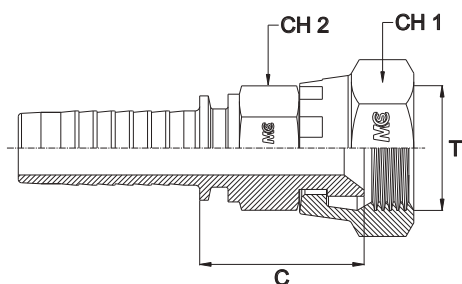
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	90JSF0603	3/8"	3/16"	25,5	28,0	17
	90JSF0703	7/16"	3/16"	24,5	26,5	17
	90JSF0704	7/16"	1/4"	23,5	30,5	17
	90JSF0705	7/16"	5/16"	25,0	28,0	17
	90JSF0706	7/16"	3/8"	36,5	34,0	17
	90JSF0803	1/2"	3/16"	24,0	24,5	17
	90JSF0804	1/2"	1/4"	23,5	30,5	17
90JSF0805	1/2"	5/16"	24,5	27,0	17	
250	90JSF0806	1/2"	3/8"	36,5	33,0	17
	90JSF0904	9/16"	1/4"	22,0	35,0	19
	90JSF0905	9/16"	5/16"	38,5	37,5	19
	90JSF0906	9/16"	3/8"	35,0	36,0	19
	90JSF1204	3/4"	1/4"	24,0	34,0	24
	90JSF1205	3/4"	5/16"	-	-	24
	90JSF1206	3/4"	3/8"	40,0	46,5	24
90JSF1208	3/4"	1/2"	36,5	45,0	24	
200	90JSF1210	3/4"	5/8"	-	-	24
	90JSF1212	3/4"	3/4"	-	-	24
	90JSF1406	7/8"	3/8"	40,0	38,5	27
	90JSF1408	7/8"	1/2"	40,0	47,0	27
	90JSF1410	7/8"	5/8"	43,1	52,6	27
	90JSF1708	1" 1/16	1/2"	37,0	48,0	32
	90JSF1710	1" 1/16	5/8"	43,5	57,0	32
90JSF1712	1" 1/16	3/4"	55,0	68,0	32	
90JSF1716	1" 1/16	1"	-	-	32	
160	90JSF2112	1" 5/16	3/4"	53,5	70,5	38
	90JSF2116	1" 5/16	1"	70,5	88,0	38
125	90JSF2616	1" 5/8	1"	64,0	81,0	50
	90JSF2620	1" 5/8	1" 1/4	83,5	89,5	50
100	90JSF3020	1" 7/8	1" 1/4	88,0	89,0	55
	90JSF3024	1" 7/8	1" 1/2	113,5	110,5	55
80	90JSF4032	2" 1/2	2"	-	-	70

FEMMINA GIREVOLE JIC SVASATA 74° DOPPIO ESAGONO JIC SWIVEL FEMALE 74° CONE DOUBLE HEXAGON - DKJ -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1	CH2
350	JSFDH0704	7/16"	1/4"	25,5	17	14
	JSFDH0804	1/2"	1/4"	25,5	17	14
250	JSFDH0805	1/2"	5/16"	-	17	14
	JSFDH0904	9/16"	1/4"	25,5	19	14
	JSFDH0905	9/16"	5/16"	25,5	19	14
	JSFDH0906	9/16"	3/8"	25,8	19	17
	JSFDH1206	3/4"	3/8"	28,8	24	19
	JSFDH1208	3/4"	1/2"	29,5	24	19
200	JSFDH1408	7/8"	1/2"	29,5	27	22
	JSFDH1410	7/8"	5/8"	31,0	27	22
	JSFDH1710	1" 1/16	5/8"	-	32	27
	JSFDH1712	1" 1/16	3/4"	34,0	32	27
160	JSFDH2116	1" 5/16	1"	35,5	38	32

FEMMINA GIREVOLE 60° JIS (TOYOTA) JIS SWIVEL FEMALE 60° CONE (TOYOTA) - JIS-T -

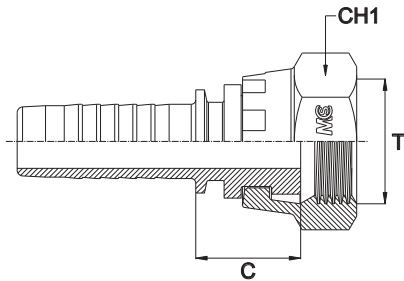


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1	CH2
350	JIST0404	1/4"	1/4"	25,5	19	17
250	JIST0606	3/8"	3/8"	26,5	22	19
	JIST0808	1/2"	1/2"	28,5	27	22
200	JIST1212	3/4"	3/4"	34,0	32	30
160	JIST1616	1"	1"	35,5	38	36
100	JIST2020	1" 1/4	1" 1/4	-	50	46
	JIST2424	1" 1/2	1" 1/2	-	55	50

* Disponibile anche a 90°

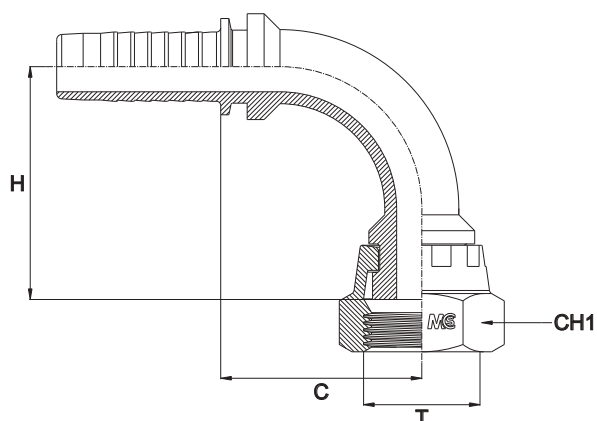
* Also Available 90°

FEMMINA GIREVOLE GAS SEDE PIANA
BSP SWIVEL FEMALE FLAT SEAT
- DKR FLAT SEAT -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	BSPSFFS0404	1/4"	1/4"	15,5	19
	BSPSFFS0405	1/4"	5/16"	16,0	19
	BSPSFFS0604	3/8"	1/4"	16,0	22
350	BSPSFFS0605	3/8"	5/16"	16,0	22
450	BSPSFFS0606	3/8"	3/8"	16,0	22
	BSPSFFS0806	1/2"	3/8"	18,0	27
415	BSPSFFS0808	1/2"	1/2"	18,5	27
350	BSPSFFS0810	1/2"	5/8"	20,5	27
415	BSPSFFS1008	5/8"	1/2"	18,5	30
350	BSPSFFS1010	5/8"	5/8"	20,0	30
415	BSPSFFS1208	3/4"	1/2"	21,0	32
350	BSPSFFS1210	3/4"	5/8"	24,0	32
	BSPSFFS1212	3/4"	3/4"	22,0	32
	BSPSFFS1612	1"	3/4"	23,0	38
280	BSPSFFS1616	1"	1"	24,0	38
210	BSPSFFS1620	1"	1" 1/4	25,0	38
	BSPSFFS2016	1" 1/4	1"	24,5	50
	BSPSFFS2020	1" 1/4	1" 1/4	25,5	50
185	BSPSFFS2424	1" 1/2	1" 1/2	27,0	55
165	BSPSFFS3232	2"	2"	28,0	70

FEMMINA GIREVOLE 90° GAS SEDE PIANA
90° BSP SWIVEL FEMALE FLAT SEAT
- DKR 90° FLAT SEAT -

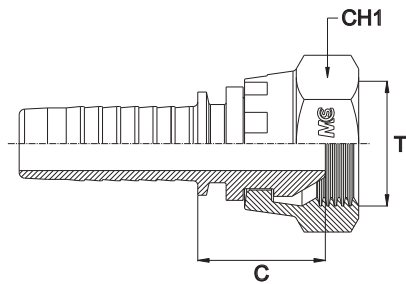


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	90BSPSFFS0404	1/4"	1/4"	23,5	26,4	19
350	90BSPSFFS0405	1/4"	5/16"	25,5	24,4	19
450	90BSPSFFS0604	3/8"	1/4"	-	-	22
350	90BSPSFFS0605	3/8"	5/16"	25,5	33,0	22
450	90BSPSFFS0606	3/8"	3/8"	34,5	33,0	22
	90BSPSFFS0806	1/2"	3/8"	34,5	33,0	27
415	90BSPSFFS0808	1/2"	1/2"	37,5	40,5	27
350	90BSPSFFS0810	1/2"	5/8"	-	-	27
415	90BSPSFFS1008	5/8"	1/2"	-	-	30
350	90BSPSFFS1010	5/8"	5/8"	44,5	48,5	30
415	90BSPSFFS1206	3/4"	3/8"	35,5	44,0	32
	90BSPSFFS1208	3/4"	1/2"	37,5	44,0	32
350	90BSPSFFS1210	3/4"	5/8"	44,5	49,0	32
	90BSPSFFS1212	3/4"	3/4"	52,5	56,0	32
280	90BSPSFFS1616	1"	1"	52,5	71,5	38
210	90BSPSFFS2020	1" 1/4	1" 1/4	67,5	83,0	50
185	90BSPSFFS2424	1" 1/2	1" 1/2	-	-	55
165	90BSPSFFS3232	2"	2"	126,0	119,0	70

* Disponibile anche a 45°

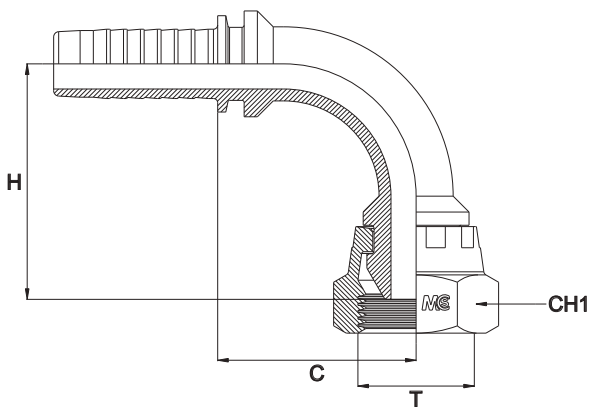
* Also Available 45°

FEMMINA GIREVOLE NPSM CONO 60°
NPSM SWIVEL FEMALE 60° CONE
- DKN -



Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
NPSMSF0404	1/4"	1/4"	17,0	19
NPSMSF0606	3/8"	3/8"	19,0	22
NPSMSF0808	1/2"	1/2"	22,5	27
NPSMSF1212	3/4"	3/4"	25,0	32
NPSMSF1616	1"	1"	27,0	38
NPSMSF2020	1"1/4"	1"1/4"	28,0	50

FEMMINA GIREVOLE 90° NPSM CONO 60°
90° NPSM SWIVEL FEMALE 60° CONE
- DKN 90° -

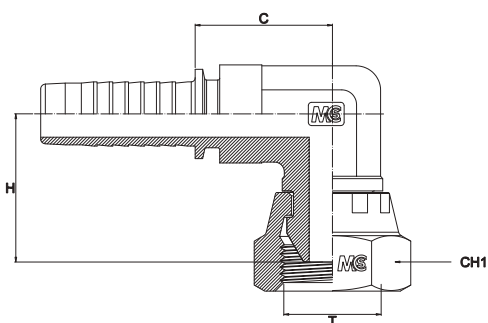


Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
90NPSMSF0404	1/4"	1/4"	23,5	27,5	19
90NPSMSF0606	3/8"	3/8"	34,5	36,5	22
90NPSMSF0808	1/2"	1/2"	37,5	44,5	27
90NPSMSF1212	3/4"	3/4"	52,5	59,0	32
90NPSMSF1616	1"	1"	67,5	74,5	38

* Disponibile anche a 45°

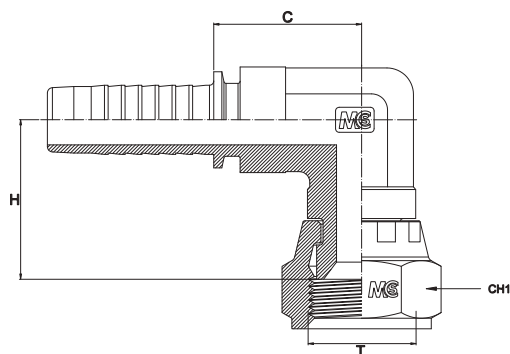
* Also Available 45°

FEMMINA GIREVOLE A 90° GAS CONO 60 - Compatta
BSP SWIVEL FEMALE 60° CONE - Compact Elbow
- DKR 90° K -



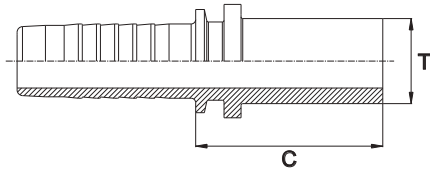
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
480	90BSPSF0404C	1/4"	1/4"	27,0	25,0	19
	90BSPSF0606C	3/8"	3/8"	25,0	28,2	22
430	90BSPSF0808C	1/2"	1/2"	28,0	30,2	27
	90BSPSF1212C	3/4"	3/4"	25,0	37,0	32
380	90BSPSF1216C	3/4"	1"	31,0	40,0	32
	90BSPSF1616C	1"	1"	31,5	43,5	38

FEMMINA GIREVOLE 90° JIC SVASATA 74°- Compatta
JIC SWIVEL FEMALE 74° CONE- Compact Elbow
- DKJ 90° K -



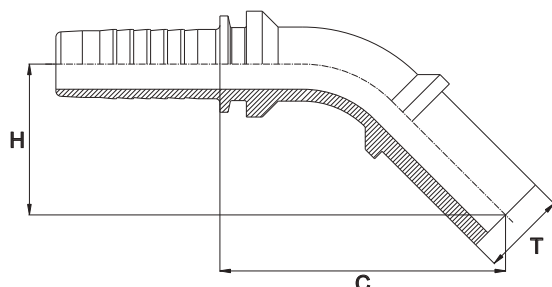
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
360	90JSF0704C	7/16"	1/4"	27,0	24,3	17
260	90JSF0906C	9/16"	3/8"	25,0	28,2	19
	90JSF1208C	3/4"	1/2"	28,0	30,2	24
210	90JSF1712C	1" 1/16	3/4"	25,0	37,0	32
170	90JSF2116C	1" 5/16	1"	31,5	43,5	38

FEMMINA METRICA TUBOLARE - SERIE LEGGERA/PESANTE
METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES -



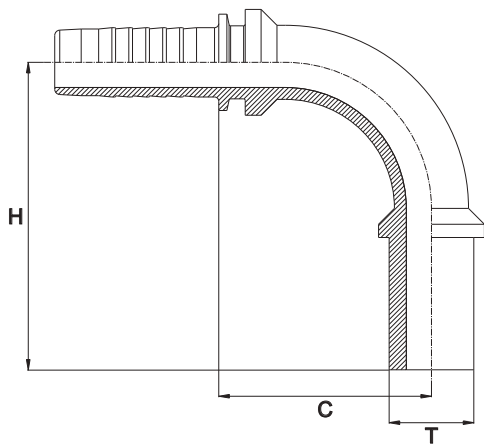
Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
415	SLH0603	06 L/S	3/16"	29,5
320	SLH0604	06 L/S	1/4"	29,5
415	SLH0803	08 L/S	3/16"	29,5
450	SLH0804	08 L/S	1/4"	29,5
320	SLH0805	08 L/S	5/16"	29,5
350	SLH0806	08 L/S	3/8"	32,0
450	SLH1003	10 L/S	3/16"	29,5
450	SLH1004	10 L/S	1/4"	29,5
350	SLH1005	10 L/S	5/16"	29,5
330	SLH1006	10 L/S	3/8"	32,0
450	SLH1204	12 L/S	1/4"	29,5
350	SLH1205	12 L/S	5/16"	32,0
445	SLH1206	12 L/S	3/8"	32,0
250	SLH1208	12 L/S	1/2"	33,0
445	SH1404	14 S	1/4"	32,0
	SH1406	14 S	3/8"	32,0
415	SH1408	14 S	1/2"	33,0
	SH1608	16 S	1/2"	33,0
215	SH1612	16 S	3/4"	36,0
350	SH2008	20 S	1/2"	33,0
	SH2010	20 S	5/8"	35,5
215	SH2012	20 S	3/4"	36,0
350	SH2512	25 S	3/4"	39,0
165	SH2516	25 S	1"	50,0
250	SH3016	30 S	1"	50,0
210	SH3020	30 S	1" 1/4	57,5
	SH3820	38 S	1" 1/4	57,5
250	SL1506	15 L	3/8"	32,0
	SL1508	15 L	1/2"	33,0
	SL1808	18 L	1/2"	33,0
	SL1810	18 L	5/8"	35,5
160	SL1812	18 L	3/4"	36,0
	SL2210	22 L	5/8"	36,0
	SL2212	22 L	3/4"	36,0
	SL2816	28 L	1"	40,0
100	SL3520	35 L	1" 1/4	47,5
	SL4224	42 L	1" 1/2	48,0

FEMMINA METRICA TUBOLARE 45° - SERIE LEGGERA/PESANTE
45° METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES 45° -



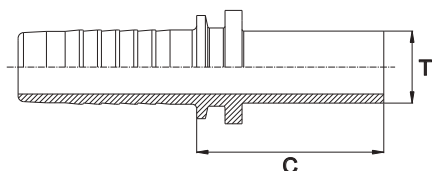
Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop
415	45SLH0603	06 L/S	3/16"	48,0	27,5
320	45SLH0604	06 L/S	1/4"	48,5	23,0
415	45SLH0803	08 L/S	3/16"	-	-
450	45SLH0804	08 L/S	1/4"	-	-
320	45SLH0805	08 L/S	5/16"	-	-
350	45SLH1003	10 L/S	3/16"	-	-
450	45SLH1004	10 L/S	1/4"	46,0	23,0
350	45SLH1005	10 L/S	5/16"	-	-
330	45SLH1006	10 L/S	3/8"	63,0	26,0
450	45SLH1204	12 L/S	1/4"	48,5	22,0
350	45SLH1205	12 L/S	5/16"	-	-
445	45SLH1206	12 L/S	3/8"	63,0	26,5
250	45SLH1208	12 L/S	1/2"	74,0	26,5
445	45SH1406	14 S	3/8"	-	-
415	45SH1608	16 S	1/2"	74,5	26,5
350	45SH2010	20 S	5/8"	73,5	33,5
215	45SH2012	20 S	3/4"	-	-
350	45SH2512	25 S	3/4"	-	-
165	45SH2516	25 S	1"	118,2	48,5
250	45SH3016	30 S	1"	-	-
210	45SH3820	38 S	1"1/4	-	-
250	45SL1508	15 L	1/2"	72,0	31,5
160	45SL1808	18 L	1/2"	-	-
	45SL1810	18 L	5/8"	-	-
	45SL2212	22 L	3/4"	-	-
100	45SL2816	28 L	1"	-	-
	45SL3520	35 L	1"1/4	-	-
	45SL4224	42 L	1"1/2	176,5	55,5

FEMMINA METRICA TUBOLARE 90° - SERIE LEGGERA/PESANTE
90° METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES 90° -



Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop
415	90SLH0603	06 L/S	3/16"	23,0	39,0
320	90SLH0604	06 L/S	1/4"	25,0	40,5
415	90SLH0803	08 L/S	3/16"	25,7	40,0
450	90SLH0804	08 L/S	1/4"	25,0	40,5
320	90SLH0805	08 L/S	5/16"	22,5	40,5
350	90SLH1003	10 L/S	3/16"	23,0	39,0
450	90SLH1004	10 L/S	1/4"	24,0	39,0
350	90SLH1005	10 L/S	5/16"	23,5	40,5
330	90SLH1006	10 L/S	3/8"	34,5	47,5
450	90SLH1204	12 L/S	1/4"	23,0	39,5
350	90SLH1205	12 L/S	5/16"	25,5	39,5
445	90SLH1206	12 L/S	3/8"	34,5	46,5
250	90SLH1208	12 L/S	1/2"	37,5	58,0
445	90SH1406	14 S	3/8"	34,5	46,5
415	90SH1608	16 S	1/2"	40,0	56,5
350	90SH2010	20 S	5/8"	38,0	60,0
215	90SH2012	20 S	3/4"	53,0	74,5
350	90SH2512	25 S	3/4"	55,5	70,5
165	90SH2516	25 S	1"	64,5	87,0
250	90SH3016	30 S	1"	66,0	92,0
210	90SH3820	38 S	1" 1/4	-	-
250	90SL1508	15 L	1/2"	40,2	58,1
160	90SL1808	18 L	1/2"	39,5	56,5
	90SL1810	18 L	5/8"	43,5	60,5
	90SL2212	22 L	3/4"	53,5	71,0
100	90SL2816	28 L	1"	90,0	90,5
	90SL3520	35 L	1" 1/4	89,0	111,5
	90SL4224	42 L	1" 1/2	106,5	122,5

FEMMINA TUBOLARE (PER TUBO IN POLLICI) IMPERIAL STANDPIPE

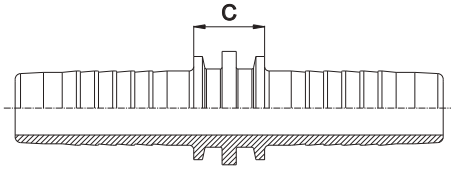


Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	IS0404	1/4" - 6,35 mm	1/4"	29,5
	IS0505	5/16" - 7,94 mm	5/16"	29,5
350	IS0604	3/8" - 9,52 mm	1/4"	32,0
	IS0605	3/8" - 9,52 mm	5/16"	32,0
420	IS0606	3/8" - 9,52 mm	3/8"	32,0
	IS0806	1/2" - 12,70 mm	3/8"	32,0
250	IS0808	1/2" - 12,70 mm	1/2"	33,0
160	IS1008	5/8" - 15,88 mm	1/2"	33,0
160	IS1010	5/8" - 15,88 mm	5/8"	33,0
215	IS1208	3/4" - 19,05 mm	1/2"	33,0
	IS1212	3/4" - 19,05 mm	3/4"	36,0
350	IS1612	1" - 25,40 mm	3/4"	39,0
165	IS1616	1" - 25,40 mm	1"	40,0
210	IS2020	1"1/4 - 31,75 mm	1"1/4	47,5
170	IS2424	1"1/2 - 38,10 mm	1"1/2	48,0

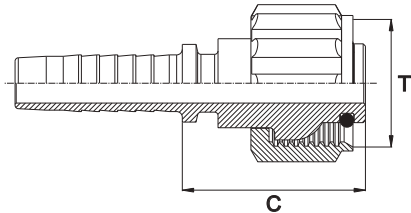
* Disponibile anche a 45° e 90°

* Also Available 45° & 90°

FEMMINA TUBOLARE DOPPIA ESTREMITÀ DOUBLE HOSE STANDPIPE



Bar W.P.	Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	DHS04	1/4"	12,5
350	DHS05	5/16"	12,5
445	DHS06	3/8"	12,5
415	DHS08	1/2"	12,5
350	DHS10	5/8"	17,0
	DHS12	3/4"	14,5
280	DHS16	1"	17,0
210	DHS20	1"1/4"	19,0
185	DHS24	1"1/2"	20,0
165	DHS32	2"	21,0
120	DHS40	2"½"	24,0
70	DHS48	3"	28,0

FEMMINA PER IDROPULITRICI**K' FEMALE****- DADO IN ACCIAIO INOX - STAINLESS STEEL NUT -****- DKO-KA -**

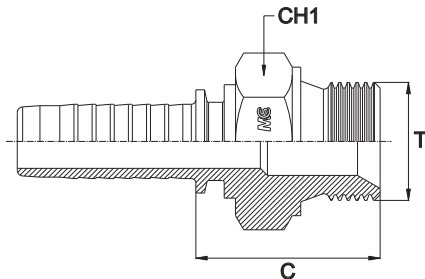
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	KF2204	22x1,5	1/4"	34,5
350	KF2205	22x1,5	5/16"	35,5
315	KF2206	22x1,5	3/8"	35,5
315	KF2208	22x1,5	1/2"	35,5

MASCHIO SVASATO A 60°

Filetto Gas Cilindrico

MALE 60° CONE

Thread BSP Parallel

- AGR -

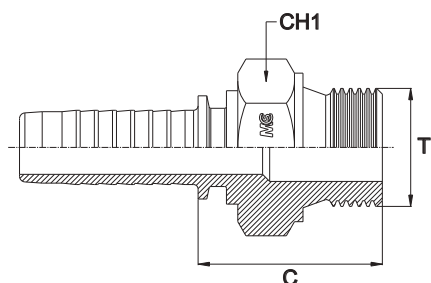
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPM0202	1/8"	1/8"	24,0	14
	BSPM0203	1/8"	3/16"	24,5	14
	BSPM0204	1/8"	1/4"	23,5	14
	BSPM0205	1/8"	5/16"	24,5	14
	BSPM0206	1/8"	3/8"	25,0	17
	BSPM0403	1/4"	3/16"	27,0	19
450	BSPM0404	1/4"	1/4"	27,0	19
350	BSPM0405	1/4"	5/16"	27,0	19
450	BSPM0406	1/4"	3/8"	27,0	19
415	BSPM0408	1/4"	1/2"	28,0	19
450	BSPM0604	3/8"	1/4"	29,0	22
350	BSPM0605	3/8"	5/16"	29,0	22
450	BSPM0606	3/8"	3/8"	29,0	22
415	BSPM0608	3/8"	1/2"	29,5	22
450	BSPM0804	1/2"	1/4"	32,0	27
350	BSPM0805	1/2"	5/16"	32,0	27
450	BSPM0806	1/2"	3/8"	32,0	27
415	BSPM0808	1/2"	1/2"	32,5	27
350	BSPM0810	1/2"	5/8"	34,0	27
	BSPM0812	1/2"	3/4"	33,0	27
415	BSPM1008	5/8"	1/2"	33,5	30
350	BSPM1010	5/8"	5/8"	35,0	30
415	BSPM1208	3/4"	1/2"	35,5	32
350	BSPM1210	3/4"	5/8"	37,0	32
	BSPM1212	3/4"	3/4"	36,5	32
280	BSPM1216	3/4"	1"	37,5	32
350	BSPM1612	1"	3/4"	40,5	38
280	BSPM1616	1"	1"	41,5	38
	BSPM2016	1" 1/4	1"	45,5	50
210	BSPM2020	1" 1/4	1" 1/4	46,0	50
185	BSPM2024	1" 1/4	1" 1/2	46,5	50
210	BSPM2420	1" 1/2	1" 1/4	46,0	55
185	BSPM2424	1" 1/2	1" 1/2	46,5	55
165	BSPM3232	2"	2"	50,0	70
120	BSPM4032	2" 1/2	2"	54,0	80
	BSPM4040	2" 1/2	2" 1/2	56,5	80
70	BSPM4848	3"	3"	57,0	100

MASCHIO SEDE PIANA

Filetto Gas Cilindrico

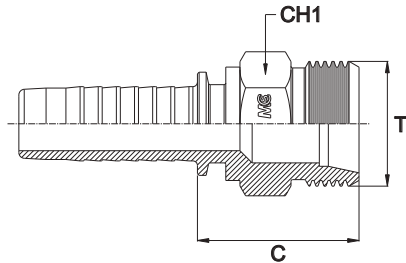
MALE FLAT SEAT

Thread BSP Parallel

- AGR- F -

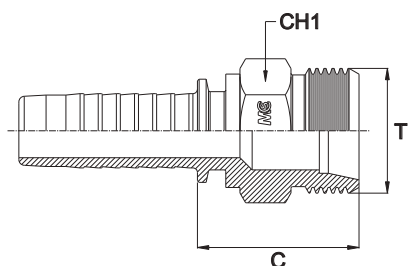
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	BSPMFS0404	1/4"	1/4"	27,0	19,0
350	BSPMFS0605	3/8"	5/16"	29,0	22,0
450	BSPMFS0606	3/8"	3/8"	29,0	22,0
	BSPMFS0806	1/2"	3/8"	32,0	27,0
415	BSPMFS0808	1/2"	1/2"	32,5	27,0
	BSPMFS1008	5/8"	1/2"	33,0	30,0
350	BSPMFS1010	5/8"	5/8"	35,0	30,0
415	BSPMFS1208	3/4"	1/2"	35,5	32,0
	BSPMFS1210	3/4"	5/8"	37,0	32,0
	BSPMFS1212	3/4"	3/4"	36,5	32,0
280	BSPMFS1612	1"	3/4"	40,5	38,0
	BSPMFS1616	1"	1"	41,5	38,0
210	BSPMFS2016	1" 1/4	1"	45,5	50,0
	BSPMFS2020	1" 1/4	1" 1/4	46,0	50,0
184	BSPMFS2420	1" 1/2	1" 1/4	46,0	55,0
	BSPMFS2424	1" 1/2	1" 1/2	46,5	55,0
165	BSPMFS3232	2"	2"	50,0	70,0

MASCHIO METRICO SVASATO 24° - SERIE LEGGERA
METRIC MALE 24° CONE - LIGHT TYPE
- CEL -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
280	MML0603	12x1,5	3/16"	06L	25,0	14
	MML0604	12x1,5	1/4"	06L	25,0	14
	MML0803	14x1,5	3/16"	08L	25,0	14
	MML0804	14x1,5	1/4"	08L	25,0	14
	MML1004	16x1,5	1/4"	10L	27,0	17
	MML1005	16x1,5	5/16"	10L	27,0	17
	MML1006	16x1,5	3/8"	10L	27,0	17
	MML1204	18x1,5	1/4"	12L	27,0	19
	MML1205	18x1,5	5/16"	12L	27,0	19
	MML1206	18x1,5	3/8"	12L	27,0	19
	MML1208	18x1,5	1/2"	12L	27,0	19
210	MML1506	22x1,5	3/8"	15L	28,5	22
	MML1508	22x1,5	1/2"	15L	28,5	22
	MML1808	26x1,5	1/2"	18L	31,0	27
	MML1810	26x1,5	5/8"	18L	31,0	27
	MML1812	26x1,5	3/4"	18L	30,5	27
165	MML2210	30x2	5/8"	22L	32,5	30
	MML2212	30x2	3/4"	22L	32,5	30
100	MML2816	36x2	1"	28L	35,5	36
125	MML3520	45x2	1,1/4"	35L	39,0	46
100	MML4224	52x2	1,1/2"	42L	40,5	55

MASCHIO METRICO SVASATO 24° - SERIE PESANTE
METRIC MALE 24° CONE - HEAVY TYPE
- CES -



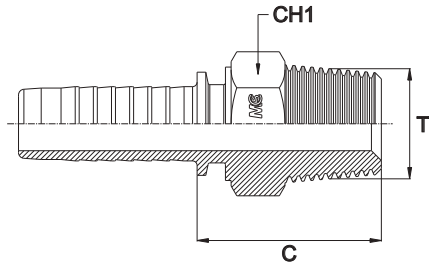
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
450	MMH0604	14x1,5	1/4"	06S	27,5	14
	MMH0804	16x1,5	1/4"	08S	28,0	17
	MMH1004	18x1,5	1/4"	10S	27,0	19
350	MMH1005	18x1,5	5/16"	10S	27,0	19
450	MMH1006	18x1,5	3/8"	10S	27,0	19
	MMH1204	20x1,5	1/4"	12S	28,0	22
350	MMH1205	20x1,5	5/16"	12S	28,0	22
450	MMH1206	20x1,5	3/8"	12S	28,0	22
350	MMH1405	22x1,5	5/16"	14S	29,5	22
450	MMH1406	22x1,5	3/8"	14S	29,5	24
420	MMH1606	24x1,5	3/8"	16S	31,0	24
	MMH1608	24x1,5	1/2"	16S	31,0	24
350	MMH1610	24x1,5	5/8"	16S	32,5	24
280	MMH1616	24x1,5	1"	16S	32,0	36
350	MMH2008	30x2	1/2"	20S	33,5	30
	MMH2010	30x2	5/8"	20S	35,0	30
	MMH2012	30x2	3/4"	20S	35,0	30
	MMH2512	36x2	3/4"	25S	37,5	36
280	MMH2516	36x2	1"	25S	38,5	36
350	MMH3008	42x2	1/2"	30S	41,5	46
280	MMH3016	42x2	1"	30S	42,5	46
210	MMH3020	42x2	1" 1/4	30S	43,5	46
280	MMH3816	52x2	1"	38S	45,0	55
210	MMH3820	52x2	1" 1/4	38S	46,0	55

MASCHIO SVASATO 60°

Filetto Gas Conico

MALE 60° CONE

Thread BSP Taper

- AGR-K -

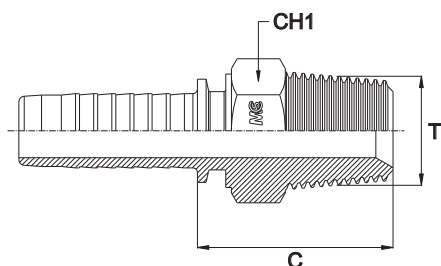
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPTM0203	1/8"	3/16"	22,5	14
450	BSPTM0204	1/8"	1/4"	22,5	14
415	BSPTM0403	1/4"	3/16"	26,7	14
450	BSPTM0404	1/4"	1/4"	27,0	14
350	BSPTM0405	1/4"	5/16"	27,5	14
450	BSPTM0406	1/4"	3/8"	27,3	17
	BSPTM0604	3/8"	1/4"	28,6	19
350	BSPTM0605	3/8"	5/16"	29,0	19
450	BSPTM0606	3/8"	3/8"	29,5	19
415	BSPTM0608	3/8"	1/2"	29,0	19
350	BSPTM0610	3/8"	5/8"	29,5	22
	BSPTM0804	1/2"	1/4"	32,0	22
415	BSPTM0806	1/2"	3/8"	33,0	22
	BSPTM0808	1/2"	1/2"	32,5	22
	BSPTM0810	1/2"	5/8"	28,5	22
	BSPTM0812	1/2"	3/4"	36,5	27
350	BSPTM1208	3/4"	1/2"	35,0	27
	BSPTM1210	3/4"	5/8"	36,3	27
	BSPTM1212	3/4"	3/4"	36,5	27
	BSPTM1216	3/4"	1"	37,5	32
280	BSPTM1612	1"	3/4"	43,5	36
	BSPTM1616	1"	1"	44,5	36
	BSPTM1620	1"	1"1/4"	47,0	41
210	BSPTM2016	1"1/4"	1"	47,0	46
	BSPTM2020	1"1/4"	1"1/4"	48,0	46
185	BSPTM2424	1"1/2"	1"1/2"	46,0	50
165	BSPTM3232	2"	2"	49,0	65

MASCHIO SVASATO 60°

Filetto NPT

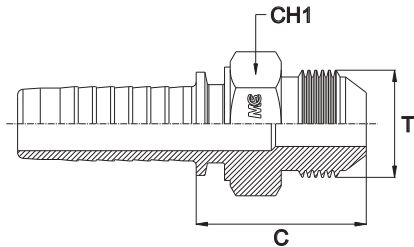
MALE 60° CONE

Thread NPT

- AGN -

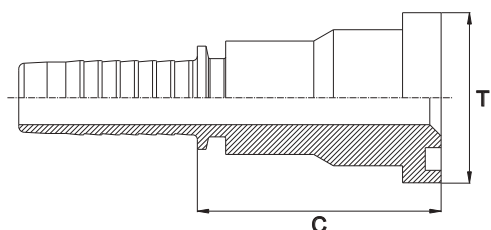
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	NPTM0203	1/8"	3/16"	24,5	14
450	NPTM0204	1/8"	1/4"	24,5	14
415	NPTM0403	1/4"	3/16"	29,1	14
450	NPTM0404	1/4"	1/4"	27,5	14
350	NPTM0405	1/4"	5/16"	28,5	14
450	NPTM0406	1/4"	3/8"	29,3	17
350	NPTM0604	3/8"	1/4"	29,0	19
350	NPTM0605	3/8"	5/16"	29,3	19
450	NPTM0606	3/8"	3/8"	29,3	19
415	NPTM0608	3/8"	1/2"	29,0	19
350	NPTM0610	3/8"	5/8"	34,3	22
415	NPTM0804	1/2"	1/4"	34,6	22
415	NPTM0806	1/2"	3/8"	35,1	22
415	NPTM0808	1/2"	1/2"	34,5	22
350	NPTM0810	1/2"	5/8"	39,4	22
350	NPTM0812	1/2"	3/4"	38,1	27
350	NPTM1208	3/4"	1/2"	35,0	27
350	NPTM1210	3/4"	5/8"	36,0	27
350	NPTM1212	3/4"	3/4"	36,5	27
280	NPTM1216	3/4"	1"	37,5	32
280	NPTM1612	1"	3/4"	43,5	36
280	NPTM1616	1"	1"	44,5	36
210	NPTM1620	1"	1"1/4"	47,0	41
210	NPTM2016	1"1/4"	1"	47,0	46
210	NPTM2020	1"1/4"	1"1/4"	48,0	46
185	NPTM2424	1"1/2"	1"1/2"	49,0	50
165	NPTM3232	2"	2"	50,0	65

MASCHIO JIC CONO 74°
JIC MALE 74° CONE
- AGJ -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	JM0703	7/16"	3/16"	28,1	14
	JM0704	7/16"	1/4"	27,5	14
450	JM0804	1/2"	1/4"	28,5	14
	JM0904	9/16"	1/4"	28,0	17
350	JM0905	9/16"	5/16"	27,9	17
450	JM0906	9/16"	3/8"	28,3	17
415	JM1206	3/4"	3/8"	30,5	22
	JM1208	3/4"	1/2"	30,0	22
350	JM1406	7/8"	3/8"	35,3	24
	JM1408	7/8"	1/2"	36,0	24
	JM1410	7/8"	5/8"	37,7	24
	JM1412	7/8"	3/4"	36,5	27
	JM1708	1" 1/16	1/2"	38,0	27
	JM1710	1" 1/16	5/8"	39,0	27
	JM1712	1" 1/16	3/4"	39,5	27
280	JM1716	1" 1/16	1"	42,5	32
	JM2112	1" 5/16	3/4"	41,0	36
	JM2116	1" 5/16	1"	43,8	36
	JM2616	1" 5/8	1"	45,5	46
210	JM2620	1" 5/8	1" 1/4	46,5	46
	JM3016	1" 7/8	1"	50,0	50
140	JM3020	1" 7/8	1" 1/4	51,0	50
	JM3024	1" 7/8	1" 1/2	51,5	50
105	JM4032	2" 1/2	2"	-	65

FLANGIA SAE SERIE 3000 PSI
SAE STRAIGHT FLANGE 3000 PSI
- SFL -

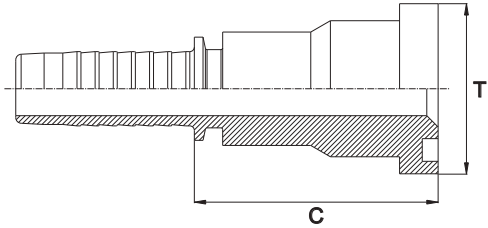


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
350	SSF30000808	1/2"	1/2"	30,2	43,0
	SSF30001208	3/4"	1/2"	38,1	47,0
	SSF30001210	3/4"	5/8"	38,1	48,5
	SSF30001212	3/4"	3/4"	38,1	47,5
	SSF30001610	1"	5/8"	44,5	54,5
	SSF30001612	1"	3/4"	44,5	53,5
280	SSF30001616	1"	1"	44,5	54,5
	SSF30002016	1" 1/4	1"	50,8	56,5
210	SSF30002020	1" 1/4	1" 1/4	50,8	57,5
280	SSF30002416	1" 1/2	1"	60,3	56,5
210	SSF30002420	1" 1/2	1" 1/4	60,3	62,5
185	SSF30002424	1" 1/2	1" 1/2	60,3	63,0
-	SSF30003224*	2"	1" 1/2	71,4	50,5
170	SSF30003232	2"	2"	71,4	63,0
-	SSF30004032*	2" 1/2	2"	84,1	58,0
140	SSF30004040	2" 1/2	2" 1/2	84,1	60,0
90	SSF30004848	3"	3"	101,5	132,0

* Saldata

* Welded

FLANGIA SAE SERIE 6000 PSI
SAE STRAIGHT FLANGE 6000 PSI
- SFS -

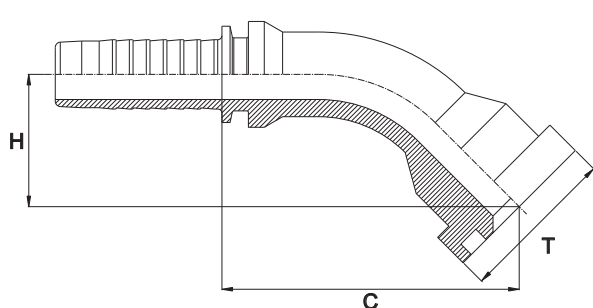


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
415	SSF60000808	1/2"	1/2"	31,7	43,0
	SSF60001208	3/4"	1/2"	41,3	53,0
350	SSF60001210	3/4"	5/8"	41,3	54,5
	SSF60001212	3/4"	3/4"	41,3	53,5
	SSF60001610	1"	5/8"	47,6	59,5
	SSF60001612	1"	3/4"	47,6	58,5
280	SSF60001616	1"	1"	47,6	59,5
	SSF60002016	1,1/4"	1"	54,0	66,5
210	SSF60002020	1,1/4"	1,1/4"	54,0	67,5
280	SSF60002416	1" 1/2	1"	-	72,5
210	SSF60002420	1" 1/2	1" 1/4	63,5	72,5
185	SSF60002424	1" 1/2	1" 1/2	63,5	73,0
172	SSF60003224*	2"	1" 1/2	79,4	-
	SSF60003232	2"	2"	79,4	68,0

* Saldata

* Welded

FLANGIA 45° SAE SERIE 3000 PSI
45° SAE FLANGE 3000 PSI
- SFL 45° -

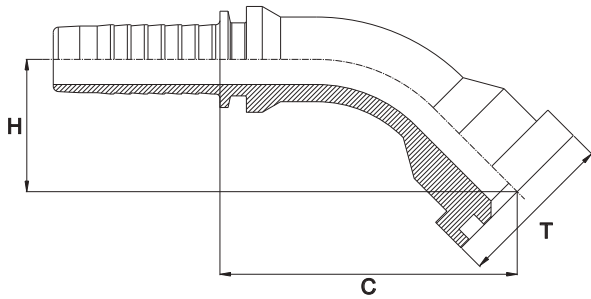


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	45SF30000808	1/2"	1/2"	30,2	63,5	23,0
	45SF30001208	3/4"	1/2"	38,1	65,7	24,0
	45SF30001210	3/4"	5/8"	38,1	69,0	37,0
	45SF30001212	3/4"	3/4"	38,1	81,0	31,0
	45SF30001612	1"	3/4"	44,5	81,5	31,5
280	45SF30001616	1"	1"	44,5	102,5	32,0
	45SF30002016	1"1/4	1"	50,8	-	-
210	45SF30002020	1"1/4	1"1/4	50,8	132,5	39,0
	45SF30002420	1"1/2	1"1/4	60,3	-	-
185	45SF30002424	1"1/2	1"1/2	60,3	171,0	46,0
-	45SF30003224*	2"	1"1/2	71,4	-	-
170	45SF30003232	2"	2"	71,4	-	-
-	45SF30004040*	2"1/2	2"1/2	84,1	-	-

* Saldata

* Welded

FLANGIA 45° SAE SERIE 6000 PSI
45° SAE FLANGE 6000 PSI
- SFS 45° -

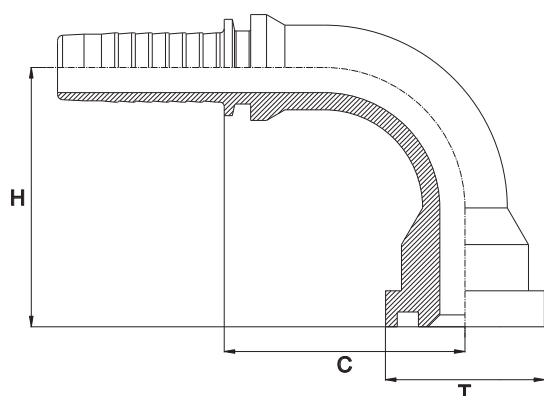


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
415	45SF60000808	1/2"	1/2"	31,7	67,0	25,0
	45SF60001208	3/4"	1/2"	41,3	-	-
350	45SF60001212	3/4"	3/4"	41,3	83,5	31,0
	45SF60001612	1"	3/4"	47,6	-	-
280	45SF60001616	1"	1"	47,6	-	-
	45SF60002016	1"1/4	1"	54,0	-	-
210	45SF60002020	1"1/4	1"1/4	54,0	128,5	36,0
	45SF60002420	1"1/2	1"1/4	63,5	-	-
185	45SF60002424	1"1/2	1"1/2	63,5	-	-
-	45SF60003224*	2"	1"1/2	79,4	-	-
172	45SF60003232	2"	2"	79,4	-	-

* Saldata

* Welded

FLANGIA 90° SAE SERIE 3000 PSI
90° SAE FLANGE 3000 PSI
- SFL 90° -

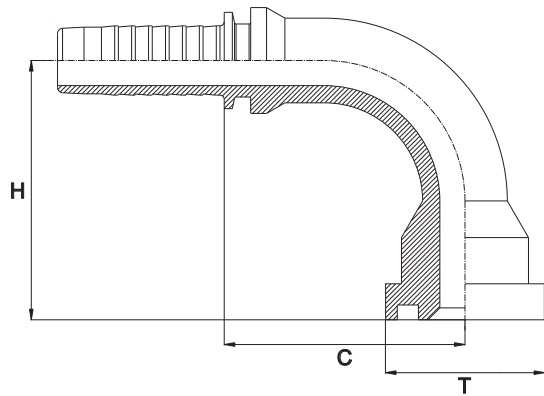


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	90SF30000808	1/2"	1/2"	30,2	41,0	50,5
	90SF30001208	3/4"	1/2"	38,1	-	-
	90SF30001210	3/4"	5/8"	38,1	58,0	52,0
	90SF30001212	3/4"	3/4"	38,1	51,0	61,5
	90SF30001612	1"	3/4"	44,5	50,0	65,0
280	90SF30001616	1"	1"	44,5	65,0	70,5
	90SF30002016	1" 1/4	1"	50,8	69,8	86,2
210	90SF30002020	1" 1/4	1" 1/4	50,8	83,0	95,0
	90SF30002420	1" 1/2	1" 1/4	60,3	84,2	99,0
185	90SF30002424	1" 1/2	1" 1/2	60,3	113,0	110,0
-	90SF30003224*	2"	1" 1/2	71,4	116,5	124,0
170	90SF30003232	2"	2"	71,4	-	-
90	90SF30004040*	2" 1/2	2" 1/2	84,1	90,0	110,0
90	90SF30004848*	3"	3"	101,5	108,0	130,5

* Saldata

* Welded

FLANGIA 90° SAE SERIE 6000 PSI
90° SAE FLANGE 6000 PSI
- SFS 90° -

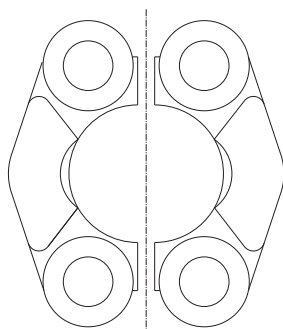


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
415	90SF60000808	1/2"	1/2"	31,7	38,5	50,0
	90SF60001208	3/4"	1/2"	41,3	39,0	47,5
350	90SF60001212	3/4"	3/4"	41,3	49,0	63,0
	90SF60001612	1"	3/4"	47,6	51,5	59,5
280	90SF60001616	1"	1"	47,6	62,0	76,0
	90SF60002016	1" 1/4	1"	54,0	71,5	86,0
210	90SF60002020	1" 1/4	1" 1/4	54,0	82,0	95,0
	90SF60002420	1" 1/2	1" 1/4	63,5	-	-
185	90SF60002424	1" 1/2	1" 1/2	63,5	111,0	118,0
-	90SF60003224*	2"	1" 1/2	79,4	-	-
172	90SF60003232	2"	2"	79,4	121,0	128,0

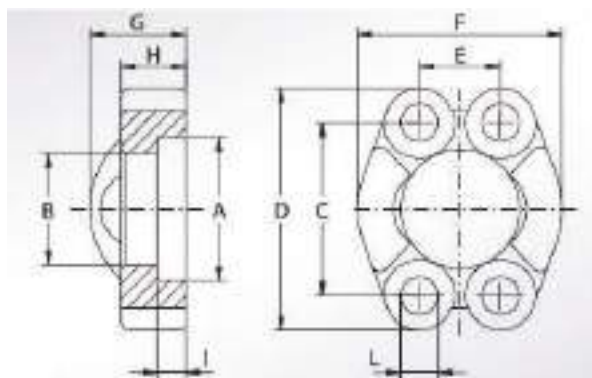
* Saldata

* Welded

SEMI FLANGIA TAGLIATA SAE 3000 SPLIT FLANGE SAE 3000 - CUT

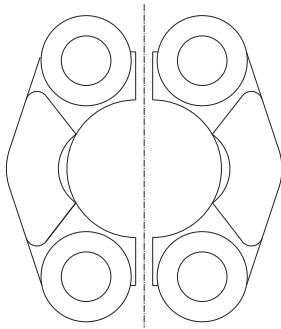


Codice Part Number	Per Flangia Da: For Flange By:
SF300008	1/2"
SF300012	3/4"
SF300016	1"
SF300020	1" 1/4
SF300024	1" 1/2
SF300032	2"

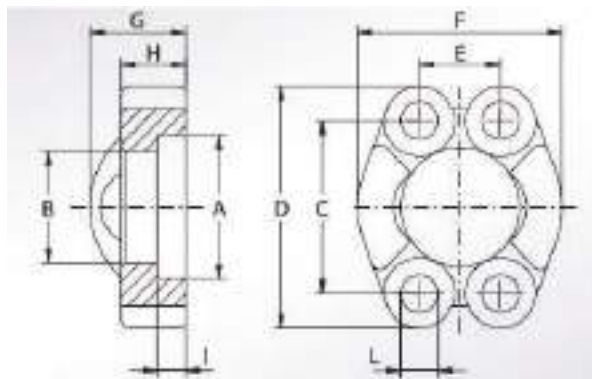


DIMENSIONI TECNICHE - TECHNICAL DATA											
CODICE PART	maximum Kg/cm ²	A MM	B MM	C MM	D MM	E MM	F MM	G MM	H MM	I MM	L MM
SF300008	345	30,96	24,26	38,10	54,0	17,48	45,60	19,00	13,00	6,22	8,75
SF300012	345	38,89	32,13	47,63	65,0	22,23	51,80	22,00	14,00	6,22	10,75
SF300016	345	45,24	38,48	52,37	70,0	26,19	58,40	24,00	16,00	7,49	10,75
SF300020	276	51,59	43,69	58,72	79,0	30,18	72,60	22,00	14,00	7,49	12,00
SF300024	207	61,09	50,80	69,85	94,0	35,71	82,20	25,00	16,00	7,49	13,50
SF300032	207	72,24	62,74	77,77	102,0	42,88	96,40	26,00	16,00	9,02	13,50

SEMI FLANGIA TAGLIATA SAE 6000 SPLIT FLANGE SAE 6000 - CUT

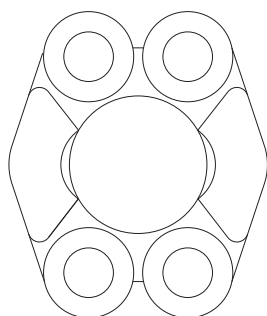


Codice Part Number	Per Flangia Da: For Flange By:
SF600008	1/2"
SF600012	3/4"
SF600016	1"
SF600020	1" 1/4
SF600024	1" 1/2
SF600032	2"

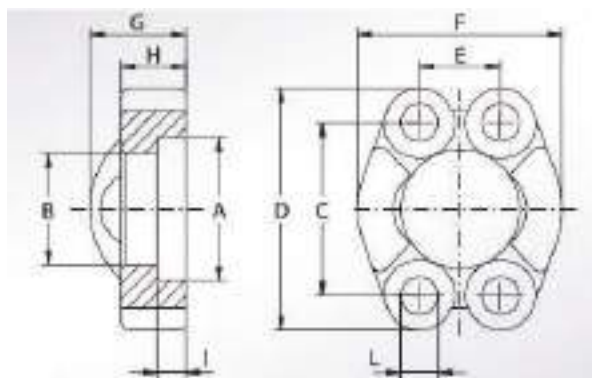


DIMENSIONI TECNICHE - TECHNICAL DATA											
CODICE	maximum	A	B	C	D	E	F	G	H	I	L
PART	Kg/cm ²	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
SF600008	414	32.54	24.64	40.49	56.0	18.24	47.20	22.00	16.00	7.24	8.75
SF600012	414	42.06	32.51	50.80	71.0	23.80	60.00	28.00	19.00	8.26	11.00
SF600016	414	48.41	38.86	57.15	81.0	27.76	69.60	33.00	24.00	9.02	13.00
SF600020	414	54.76	44.45	66.68	95.0	31.75	77.20	38.00	27.00	9.78	15.00
SF600024	414	64.29	51.56	79.38	113.0	36.50	95.00	43.00	30.00	12.07	17.00
SF600032	414	80.16	67.56	96.82	133.0	44.45	113.80	52.00	37.00	12.07	21.00

SEMI FLANGIA INTERA SAE 3000 SPLIT FLANGE SAE 3000 - UNCUT

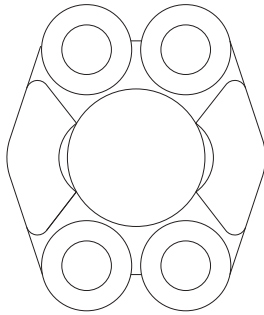


Codice Part Number	Per Flangia Da: For Flange By:
USF300008	1/2"
USF300012	3/4"
USF300016	1"
USF300020	1" 1/4
USF300024	1" 1/2
USF300032	2"

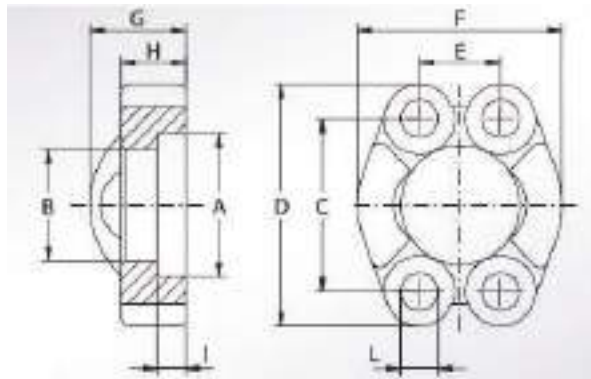


DIMENSIONI TECNICHE - TECHNICAL DATA											
CODICE	maximum	A	B	C	D	E	F	G	H	I	L
PART	Kg/cm2	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
USF300008	345	30,96	24,26	38,10	54,0	17,48	45,60	19,00	13,00	6,22	8,75
USF300012	345	38,89	32,13	47,63	65,0	22,23	51,80	22,00	14,00	6,22	10,75
USF300016	345	45,24	38,48	52,37	70,0	26,19	58,40	24,00	16,00	7,49	10,75
USF300020	276	51,59	43,69	58,72	79,0	30,18	72,60	22,00	14,00	7,49	12,00
USF300024	207	61,09	50,80	69,85	94,0	35,71	82,20	25,00	16,00	7,49	13,50
USF300032	207	72,24	62,74	77,77	102,0	42,88	96,40	26,00	16,00	9,02	13,50

SEMI FLANGIA INTERA SAE 6000 SPLIT FLANGE SAE 6000 - UNCUT

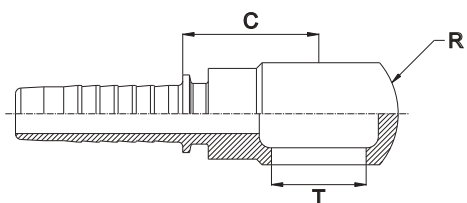


Codice Part Number	Per Flangia Da: For Flange By:
USF600008	1/2"
USF600012	3/4"
USF600016	1"
USF600020	1" 1/4
USF600024	1" 1/2
USF600032	2"



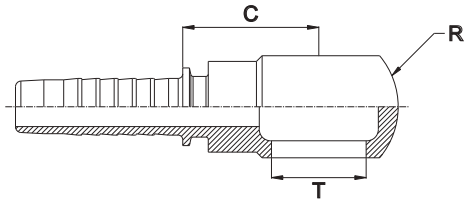
DIMENSIONI TECNICHE - TECHNICAL DATA											
CODICE	maximum	A	B	C	D	E	F	G	H	I	L
PART	Kg/cm ²	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
USF600008	414	32,54	24,64	40,49	56,0	18,24	47,20	22,00	16,00	7,24	8,75
USF600012	414	42,06	32,51	50,80	71,0	23,80	60,00	28,00	19,00	8,26	11,00
USF600016	414	48,41	38,86	57,15	81,0	27,76	69,60	33,00	24,00	9,02	13,00
USF600020	414	54,76	44,45	66,68	95,0	31,75	77,20	38,00	27,00	9,78	15,00
USF600024	414	64,29	51,56	79,38	113,0	36,50	95,00	43,00	30,00	12,07	17,00
USF600032	414	80,16	67,56	96,82	133,0	44,45	113,80	52,00	37,00	12,07	21,00

OCCHIO GAS
BSP BANJO
- RNR -



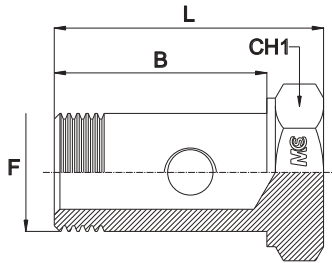
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	R	C Cut - Off
300	BSPBJ0403	1/4"	3/16"	24,0	24,0
	BSPBJ0404	1/4"	1/4"	24,0	24,0
	BSPBJ0604	3/8"	1/4"	28,0	24,0
	BSPBJ0605	3/8"	5/16"	28,0	24,5
280	BSPBJ0606	3/8"	3/8"	28,0	24,0
	BSPBJ0804	1/2"	1/4"	38,0	27,5
200	BSPBJ0806	1/2"	3/8"	38,0	27,5
	BSPBJ0808	1/2"	1/2"	38,0	28,0
120	BSPBJ1212	3/4"	3/4"	45,0	38,5
	BSPBJ1616	1"	1"	58,0	51,5

OCCHIO METRICO METRIC BANJO - RNM -



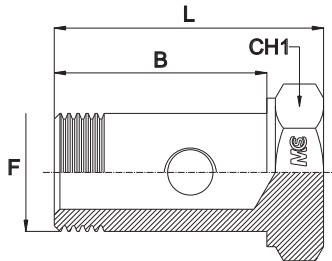
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	R	C Cut - Off
300	MBJ1204	12x1,5	1/4"	20,0	24,0
	MBJ1404	14x1,5	1/4"	24,0	24,0
	MBJ1405	14x1,5	5/16"	24,0	24,0
280	MBJ1406	14x1,5	3/8"	24,0	24,0
300	MBJ1605	16x1,5	5/16"	28,0	24,5
280	MBJ1606	16x1,5	3/8"	28,0	24,0
	MBJ1806	18x1,5	3/8"	32,0	24,0
250	MBJ1808	18x1,5	1/2"	32,0	28,0
200	MBJ2208	22x1,5	1/2"	36,0	28,0
	MBJ2612	26x1,5	3/4"	45,0	38,5
120	MBJ3012	30x1,5	3/4"	54,0	38,5

VITE CAVA PER OCCHIO GAS BSP BOLT FOR BANJO



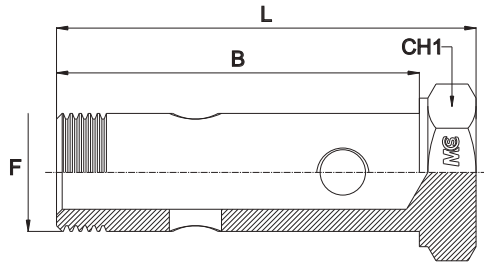
Bar W.P.	Codice Part Number	Filetto Thread	B	L	CH1
350	BSPBLT02	1/8"	23,0	30,0	14
300	BSPBLT04	1/4"	27,5	34,5	19
280	BSPBLT06	3/8"	31,0	40,0	22
200	BSPBLT08	1/2"	37,5	47,5	27
	BSPBLT12	3/4"	47,0	59,0	32
120	BSPBLT16	1"	58,0	70,0	41
105	BSPBLT20	1"1/4	-	-	50

VITE CAVA PER OCCHIO METRICO METRIC BOLT FOR BANJO



Bar W.P.	Codice Part Number	Filetto Thread	B	L	CH1
300	MBLT12	12x1,5	24,0	31,0	17
	MBLT14	14x1,5	31,0	40,0	19
250	MBLT16	16x1,5	31,0	40,0	22
	MBLT18	18x1,5	36,0	45,0	24
200	MBLT22	22x1,5	-	-	27
	MBLT26	26x1,5	-	-	32
120	MBLT30	30x1,5	-	-	36

VITE CAVA DOPPIA PER OCCHIO GAS DOUBLE BSP BOLT FOR BANJO

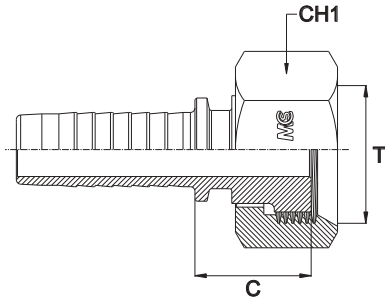


Bar W.P.	Codice Part Number	Filetto Thread	B	L	CH1
300	DBSPBLT04	1/4"	42,0	52,0	19
280	DBSPBLT06	3/8"	50,0	59,0	22
200	DBSPBLT08	1/2"	64,0	74,0	27
	DBSPBLT12	3/4"	-	-	32
120	DBSPBLT16	1"	-	-	41

FEMMINA ORFS

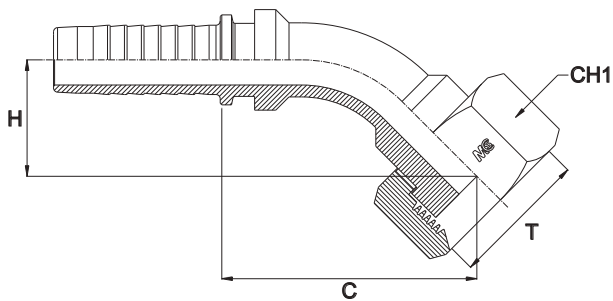
ORFS FEMALE

- ORFS -



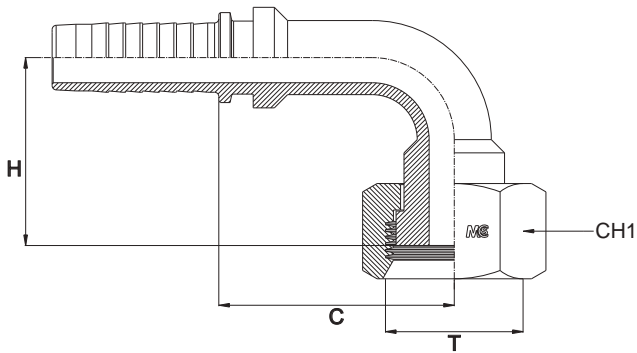
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	ORFSF0904	9/16"	1/4"	16,7	19
350	ORFSF0905	9/16"	5/16"	16,7	19
450	ORFSF1104	11/16"	1/4"	19,3	22
350	ORFSF1105	11/16"	5/16"	19,3	22
445	ORFSF1106	11/16"	3/8"	19,3	22
	ORFSF1306	13/16"	3/8"	31,5	24
415	ORFSF1308	13/16"	1/2"	-	24
	ORFSF1608	1"	1/2"	20,5	30
	ORFSF1610	1"	5/8"	30,5	30
350	ORFSF1612	1"	3/4"	30,5	30
415	ORFSF1908	1"3/16	1/2"	36,0	36
	ORFSF1912	1"3/16	3/4"	36,0	36
350	ORFSF2312	1"7/16	3/4"	37,0	41
280	ORFSF2316	1"7/16	1"	37,0	41
210	ORFSF2720	1"11/16	1"1/4	37,0	50
185	ORFSF3224	2"	1"1/2	36,5	60

FEMMINA 45° ORFS
45° ORFS FEMALE
- ORFS 45° -



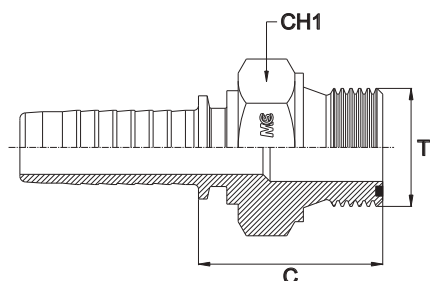
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	45ORFSF0904	9/16"	1/4"	39,5	18,5	19
	45ORFSF1104	11/16"	1/4"	-	-	22
350	45ORFSF1105	11/16"	5/16"	-	-	22
445	45ORFSF1106	11/16"	3/8"	52,5	22,0	22
	45ORFSF1306	13/16"	3/8"	-	-	24
415	45ORFSF1308	13/16"	1/2"	-	-	24
	45ORFSF1608	1"	1/2"	-	-	30
350	45ORFSF1610	1"	5/8"	-	-	30
	45ORFSF1912	1"3/16	3/4"	86,0	32,5	36
	45ORFSF2312	1"7/16	3/4"	-	-	41
280	45ORFSF2316	1"7/16	1"	108,0	42,0	41
210	45ORFSF2720	1"11/16	1"1/4	-	-	50
185	45ORFSF3224	2"	1"1/2	-	-	60

FEMMINA 90° ORFS
90° ORFS FEMALE
- ORFS 90° -



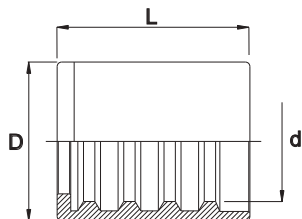
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	90ORFSF0904	9/16"	1/4"	21,5	28,5	19
350	90ORFSF0905	9/16"	5/16"	24,5	25,5	19
450	90ORFSF1104	11/16"	1/4"	37,0	36,8	22
350	90ORFSF1105	11/16"	5/16"	-	-	22
445	90ORFSF1106	11/16"	3/8"	34,0	37,7	22
	90ORFSF1306	13/16"	3/8"	-	-	24
415	90ORFSF1308	13/16"	1/2"	-	-	24
	90ORFSF1608	1"	1/2"	-	-	30
350	90ORFSF1610	1"	5/8"	46,0	49,5	30
	90ORFSF1910	1"3/16	5/8"	-	-	36
	90ORFSF1912	1"3/16	3/4"	53,5	60,5	36
	90ORFSF2312	1"7/16	3/4"	-	-	41
280	90ORFSF2316	1"7/16	1"	64,5	83,0	41
210	90ORFSF2720	1"11/16	1"1/4	81,0	97,5	50
185	90ORFSF3224	2"	1"1/2	-	-	60

MASCHIO ORFS
ORFS MALE
- ORFS -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	ORFSM0904	9/16"	1/4"	23,5	17
350	ORFSM1105	11/16"	5/16"	27,0	19
445	ORFSM1106	11/16"	3/8"	27,0	19
415	ORFSM1308	13/16"	1/2"	29,0	22
350	ORFSM1610	1"	5/8"	32,5	27
	ORFSM1912	1"3/16	3/4"	36,5	32
280	ORFSM2316	1"7/16	1"	40,5	41
210	ORFSM2720	1"11/16	1"1/4	41,5	46
185	ORFSM3224	2"	1"1/2	-	55

**GHIERA R1 PER TUBO:
R1 FERRULE FOR:
SAE 100 R1AT (EN 853 1SN) - SAE 100 R1A - EN 857 1SC - EN 854 2TE
HOSE TYPE**



Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR103	3/16"	19,0	12,8	29,5
FR104	1/4"	20,0	14,0	30,0
FR105	5/16"	22,0	16,0	30,0
FR106	3/8"	24,0	17,6	32,5
FR108	1/2"	28,0	21,2	34,0
FR110	5/8"	32,0	24,9	40,0
FR112	3/4"	35,0	28,7	42,0
FR116	1"	45,0	37,0	48,0
FR120	1" 1/4	55,0	44,6	56,0
FR124	1" 1/2	60,0	51,2	63,0
FR132	2"	76,2	64,6	76,0
FR140*	2" 1/2	87,0	77,8	76,0
FR148*	3"	102,0	92,0	76,0

* Solo per tubi EN857-1SC / EN857-2SC
Only for EN857-1SC / EN857-2SC hoses

M.C.S. HYDRAULICS

Presenta la nuova ghiera per tubo R1, che ha sostituito le precedenti due versioni FR1T (per tubo SAE 100 R1AT) e FR1A (per tubo SAE 100 R1A); questa nuova ghiera può inoltre essere utilizzata su tubo 1SC e 2TE.

M.C.S. HYDRAULICS

Presents the new ferrule for hose R1 which replaces the previous FR1T (for hose SAE 100 R1AT) and FR1A (for hose SAE 100 R1A); this ferrule can also be used with 1SC and 2TE hoses.

**Corretto Impiego Della FR1 :
FR1 Correct Usage :**

Tubo Hose Type	Skive	No Skive
R1AT		No Skive
1SC		No Skive
2TE		No Skive
R1A	Skive	

OneGGTM EVO

Like no other

*Immagina di poter utilizzare un'unica boccola...
Imagine a single ferrule for all your needs...*

GHIERA OneGGTM EVO PER:

OneGGTM EVO FERRULE FOR:

**SAE 100 R1AT (EN 853 1SN) - SAE 100 R2AT (EN 853 2SN)
EN 857 1SC - HOSE TYPE - SAE 100 R16S (EN 857 2SC)
EN 856 4SP (ISO 3862-1 4SP) - EN 856 4SH (ISO 3862-1 4SH)
SAE 100 R12 (EN 856 R12) - SAE 100 R13 (EN 856 R13)
SAE 100 R15 (ISO 3862-1 R15)
alfabiotech 4000-5000-6000 Compact Hose (ISO 18752)**



Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR2T03*	3/16"	20,0	14,4	29,5
OneGG TM 04	1/4"	22,0	16,0	30,0
OneGG TM 05	5/16"	24,0	17,5	32,0
OneGG TM 06	3/8"	26,0	19,6	32,0
OneGG TM 08	1/2"	30,0	23,0	34,0
OneGG TM 10	5/8"	33,0	26,1	38,0
OneGG TM 12	3/4"	38,0	30,2	42,0
OneGG TM 16	1"	46,0	38,7	48,0
OneGG TM 20	1 1/4"	60,0	49,0	56,0
OneGG TM 24	1 1/2"	65,0	55,5	63,0
OneGG TM 32	2"	80,0	68,5	74,0



BREVETTO INDUSTRIALE
N° 0001383708

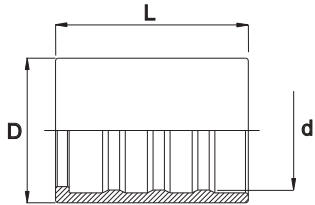


* Solo per tubi EN853-2SN / EN857-2SC
Only for EN853-2SN / EN857-2SC hoses

Corretto Impiego della OneGGTM EVO
OneGGTM EVO Correct Usage :

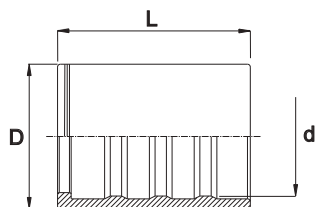
Tubo Hose Type	Skive	No Skive
R1AT		No Skive
R2AT		No Skive
1SC		No Skive
2SC		No Skive
4SP	Skive	
4SH	Skive	
R12	Skive	
R13	Skive	
R15	Skive	
alfabiotech	Skive	

**GHIERA R7 PER TUBO SAE 100 R7 (EN 855 R7) - SAE 100 R8 (EN 855 R8)
 SAE 100 R6 (EN 854 1TE) - SAE 100 R1 (MTH1 SERIES)
 R7 FERRULE FOR HOSE SAE 100 R7 (EN 855 R7) - SAE 100 R8 (EN 855 R8)
 SAE 100 R6 (EN 854 1TE) - SAE 100 R1 (MTH1 SERIES)**



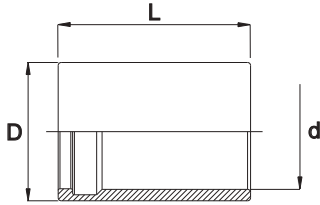
Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR702	1/8"	12,0	9,0	24,0
FR703	3/16"	14,0	10,7	26,0
FR704	1/4"	17,0	13,6	29,5
FR705	5/16"	19,0	15,2	30,0
FR706	3/8"	21,0	16,8	31,0
FR708	1/2"	25,5	21,0	34,0
FR710	5/8"	28,5	24,0	37,0
FR712	3/4"	32,0	27,5	42,0
FR716	1"	43,5	36,0	48,0

**GHIERA R3 PER TUBO SAE 100 R3 (EN 854 R3) - EN 854 3TE - SAE 100 R4
R3 FERRULE FOR HOSE SAE 100 R3 (EN 854 R3) - EN 854 3TE - SAE 100 R4**



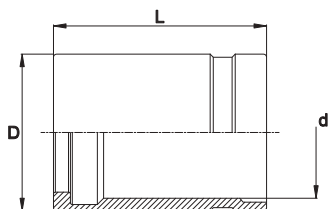
Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR3TE03	3/16"	*	*	*
FR3TE04	1/4"	19,0	15,3	29,5
FR3TE05	5/16"	22,0	18,5	30,0
FR3TE06	3/8"	24,0	19,9	31,0
FR3TE08	1/2"	28,5	25,0	34,0
FR3TE10	5/8"	32,0	28,0	37,0
FR3TE12	3/4"	38,0	32,6	42,0
FR3TE16	1"	46,0	39,5	48,0
FR3TE20	1" 1/4	52,0	46,0	56,0
FR3TE24	1" 1/2	60,0	53,0	63,0
FR3TE32	2"	76,0	65,0	76,0

GHIERA PER TUBO TEFLON LISCIO - PICCOLO-MEDIO-GROSSO SPESSORE FERRULE FOR SMOOTH PTFE HOSE - LIGHT-MEDIUM-HEAVY WALL



Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FRTE02	1/8"	12,0	8,0	24,0
FRTE03	3/16"	12,0	9,1	25,5
FRTE04	1/4"	14,0	11,3	29,5
FRTE05	5/16"	17,0	13,5	32,0
FRTE06	3/8"	19,0	15,7	32,0
FRTE08	1/2"	23,0	19,2	32,0
FRTE10	5/8"	27,0	21,6	37,0
FRTE12	3/4"	30,0	25,2	43,0
FRTE16	1"	37,0	32,0	48,0

GHIERA PER TUBO TEFLON CORRUGATO FERRULE FOR CONVOLUTED PTFE HOSE



Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FRTC04	1/4"	16,0	12,5	29,5
FRTC05	5/16"	17,0	13,0	30,0
FRTC06	3/8"	21,5	17,8	31,0
FRTC08	1/2"	25,0	21,0	34,0
FRTC10	5/8"	29,0	24,5	37,0
FRTC12	3/4"	34,0	29,0	42,0
FRTC16	1"	40,0	34,8	48,0
FRTC20	1" 1/4	48,0	42,0	56,0
FRTC24	1" 1/2	55,0	49,0	63,0
FRTC32	2"	69,0	63,0	74,0

* NB : Per il tubo corrugato si raccomanda di avvolgere il raccordo nella sua lunghezza con 2 giri di nastro PTFE prima dell'inserimento nel tubo.

NOTE : For the CONVOLUTED Hoses, we suggest to wrap up the fitting for its length with 2 turns of PTFE Ribbon before the insertion into the hose.

MCS

HYDRAULICS

Raccordi per tubo flessibile- serie Interlock
Hose Fittings - Interlock series



Collezione - Collection
2019



GHIERA PER TUBO EN 856 4SH-R13-R15
FERRULE FOR EN 856 4SH-R13-R15
HOSE TYPE

Cod. FR4SH..

Pag. 2.3



GHIERA PER TUBO SAE 100 R13-R15
(EN 856 R13-R15) -
FERRULE FOR SAE 100 R13-R15
(EN 856 R13-R15) -

Cod. FR13..

Pag. 2.4



MASCHIO SVASATO 60° INTERLOCK
Filetto Gas Cilindrico
INTERLOCK 60° CONE
Thread BSP Parallel

Cod. INTBSPM..

Pag. 2.5



FEMMINA GIREVOLE GAS
CONO 60° INTERLOCK
INTERLOCK 60° BSP SWIVEL
FEMALE 60° CONE

Cod. INTBSPSF..

Pag. 2.6



FEMMINA GIREVOLE 45° GAS
CONO 60° INTERLOCK
INTERLOCK 45° BSP SWIVEL
FEMALE 60° CONE

Cod. 45INTBSPSF..

Pag. 2.7



FEMMINA GIREVOLE 90° GAS
CONO 60° INTERLOCK
INTERLOCK 90° BSP SWIVEL
FEMALE 60° CONE

Cod. 90INTBSPSF..

Pag. 2.8



FEMMINA GIREVOLE JIC SVASATA
74° INTERLOCK
INTERLOCK JIC SWIVEL
FEMALE 74° CONE

Cod. INTJSF..

Pag. 2.9



FEMMINA GIREVOLE 45° JIC
SVASATA 74° INTERLOCK
INTERLOCK 45° JIC SWIVEL
FEMALE 74° CONE

Cod. 45INTJSF..

Pag. 2.10



FEMMINA GIREVOLE 90° JIC
SVASATA 74° INTERLOCK
INTERLOCK 90° JIC SWIVEL
FEMALE 74° CONE

Cod. 90INTJSF..

Pag. 2.11



MASCHIO JIC CONO 74° INTERLOCK
INTERLOCK JIC MALE 74° CONE

Cod. INTJM..

Pag. 2.12



MASCHIO METRICO SVASATO 24° -
SERIE PESANTE INTERLOCK
INTERLOCK METRIC MALE 24° CONE -
HEAVY TYPE

Cod. INTMMH..

Pag. 2.13



MASCHIO SVASATO 60° INTERLOCK
Filetto NPT
INTERLOCK MALE 60° CONE
Thread NPT

Cod. INTNPTM..

Pag. 2.14



**FEMMINA GIREVOLE O'RING CONO 24°
SERIE PESANTE INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE**
Thread Metric Parallel

Cod. INTORMSFH..

Pag. 2.15



**FEMMINA GIREVOLE 45° O'RING CONO
24° - SERIE PESANTE INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK 45° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE**
Thread Metric Parallel

Cod. 45INTORMSFH..

Pag. 2.16



**FEMMINA GIREVOLE 90° O'RING CONO
24° - SERIE PESANTE INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK 90° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE**
Thread Metric Parallel

Cod. 90INTORMSFH..

Pag. 2.17



**FEMMINA GIREVOLE O'RING CONO 24°
SERIE LEGGERA INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE**
Thread Metric Parallel

Cod. INTORMSFL..

Pag. 2.18



**FEMMINA GIREVOLE 45° O'RING CONO
24° - SERIE LEGGERA INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK 45° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE**
Thread Metric Parallel

Cod. 45INTORMSFL..

Pag. 2.19



**FEMMINA GIREVOLE 90° O'RING CONO
24° - SERIE LEGGERA INTERLOCK**
Filetto Metrico Cilindrico
**INTERLOCK 90° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE**
Thread Metric Parallel

Cod. 90INTORMSFL..

Pag. 2.20



**FLANGIA SAE SERIE 3000 PSI
INTERLOCK**
**INTERLOCK SAE STRAIGHT
FLANGE 3000 PSI SERIES**

Cod. INTSSF3000..

Pag. 2.21



**FLANGIA 45° SAE SERIE 3000 PSI
INTERLOCK**
**INTERLOCK 45° SAE
FLANGE 3000 PSI SERIES**

Cod. 45INTSF3000..

Pag. 2.22



**FLANGIA 90° SAE SERIE 3000 PSI
INTERLOCK**
**INTERLOCK 90° SAE
FLANGE 3000 PSI SERIES**

Cod. 90INTSF3000..

Pag. 2.23



**FLANGIA SAE SERIE 6000 PSI
INTERLOCK**
**INTERLOCK SAE STRAIGHT
FLANGE 6000 PSI SERIES**

Cod. INTSSF6000..

Pag. 2.24



**FLANGIA 45° SAE SERIE 6000 PSI
INTERLOCK**
**INTERLOCK 45° SAE
FLANGE 6000 PSI SERIES**

Cod. 45INTSF6000..

Pag. 2.25

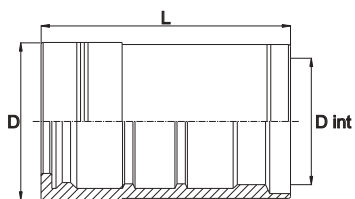


**FLANGIA 90° SAE SERIE 6000 PSI
INTERLOCK**
**INTERLOCK 90° SAE
FLANGE 6000 PSI SERIES**

Cod. 90INTSF6000..

Pag. 2.26

**GHIERA PER TUBO EN 856 4SH - EN 856 R13 - EN 856 R15
FERRULE FOR EN 856 4SH - EN 856 R13 - EN 856 R15 HOSE TYPE**

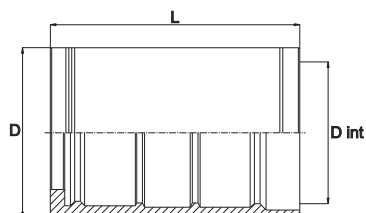


Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	L	D	D int
FR4SH12**	3/4"	60,0	38,0	30,0
FR4SH16**	1"	74,0	46,0	37,2
FR4SH20	1" 1/4	88,0	55,0	44,2
FR4SH24	1" 1/2	88,0	62,0	51,3
FR4SH32	2"	99,0	79,5	66,0

** Anche per tubo SAE 100 R13- SAE 100 R15 (EN 856 R13-R15)

** Also for SAE 100 R13 - SAE 100 R15 (EN 856 R13-R15) Hose type

GHIERA PER TUBO SAE 100 R13 - SAE 100 R15 (EN 856 R13-R15)
FERRULE FOR SAE 100 R13 - SAE 100 R15 (EN 856 R13-R15)



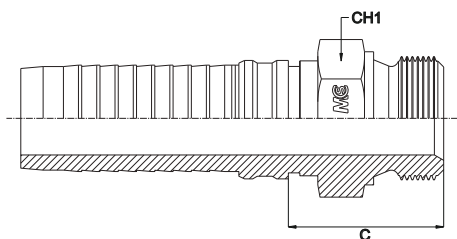
Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	L	D	D int
FR1320	1"1/4	88,0	60,0	49,5
FR1324	1"1/2	88,0	67,0	56,0
FR1332	2"	99,0	84,5	71,0

MASCHIO SVASATO 60° INTERLOCK

Filetto Gas Cilindrico

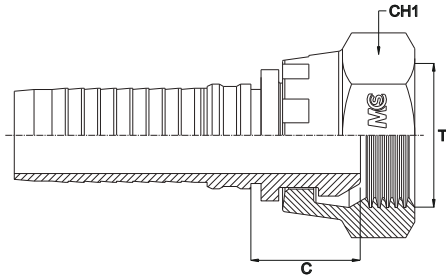
INTERLOCK 60° CONE

Thread BSP Paralell



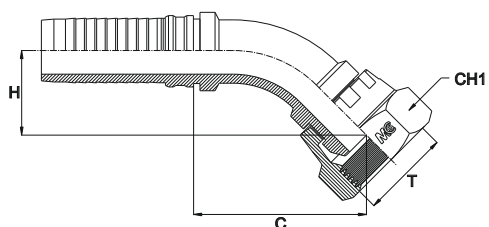
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
420	INTBSPM1212	3/4"	3/4"	34	32
414	INTBSPM1616	1"	1"	39	38
	INTBSPM2020	1" 1/4	1" 1/4	44	50
345	INTBSPM2424	1" 1/2	1" 1/2	44	55
	INTBSPM3232	2"	2"	49	70

**FEMMINA GIREVOLE GAS CONO 60° INTERLOCK
INTERLOCK BSP SWIVEL FEMALE 60° CONE**



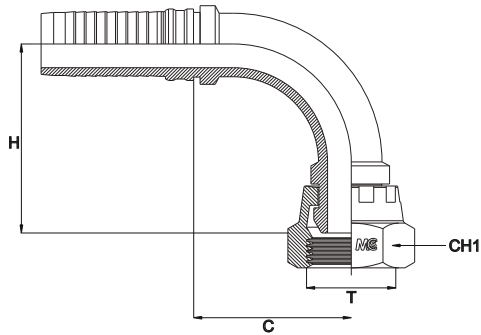
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
420	INTBSPSF1212	3/4"	3/4"	22,7	32
414	INTBSPSF1616	1"	1"	24,6	38
	INTBSPSF2020	1"1/4	1"1/4	25,5	50
345	INTBSPSF2424	1"1/2	1"1/2	29,5	55
	INTBSPSF3232	2"	2"	30,0	70

**FEMMINA GIREVOLE 45° GAS CONO 60° INTERLOCK
INTERLOCK 45° BSP SWIVEL FEMALE 60° CONE**



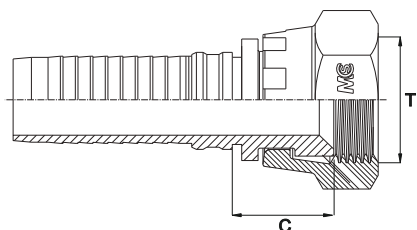
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
420	45INTBSPSF1212	3/4"	3/4"	88,0	35,5	32
414	45INTBSPSF1616	1"	1"	110,0	40,5	38
	45INTBSPSF2020	1" 1/4	1" 1/4	136,5	45,0	50
345	45INTBSPSF2424	1" 1/2	1" 1/2	168,5	54,5	55
	45INTBSPSF3232	2"	2"	186,0	50,0	70

**FEMMINA GIREVOLE 90° GAS CONO 60° INTERLOCK
INTERLOCK 90° BSP SWIVEL FEMALE 60° CONE**



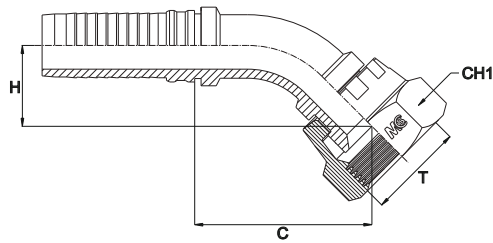
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
420	90INTBSPSF1212	3/4"	3/4"	48,0	59,5	32
414	90INTBSPSF1616	1"	1"	65,5	77,5	38
	90INTBSPSF2020	1"1/4	1"1/4	83,0	88,0	50
345	90INTBSPSF2424	1"1/2	1"1/2	112,0	104,0	55
	90INTBSPSF3232	2"	2"	125,0	121,0	70

**FEMMINA GIREVOLE JIC SVASATA 74° INTERLOCK
INTERLOCK JIC SWIVEL FEMALE 74° CONE**



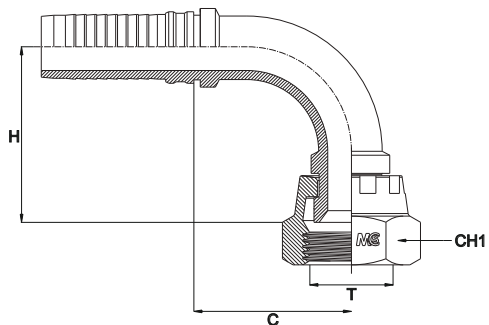
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
420	INTJSF1712	1"1/16	3/4"	22,7	32
	INTJSF2112	1"5/16	3/4"	22,7	38
414	INTJSF2116	1"5/16	1"	23,0	38
	INTJSF2620	1"5/8	1"1/4	25,5	50
345	INTJSF3024	1"7/8	1"1/2	25,5	55
	INTJSF4032	2"1/2	2"	30,0	70

**FEMMINA GIREVOLE 45° JIC SVASATA 74° INTERLOCK
INTERLOCK 45° JIC SWIVEL FEMALE 74° CONE**



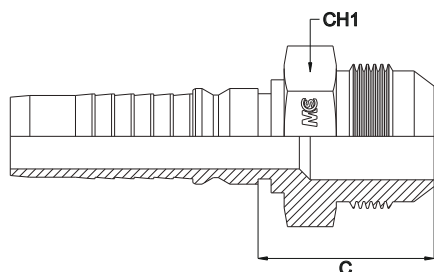
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
420	45INTJSF1712	1" 1/16	3/4"	88,0	35,8	32
	45INTJSF2112	1" 5/16	3/4"	83,5	26,0	38
414	45INTJSF2116	1" 5/16	1"	114,5	43,0	38
	45INTJSF2620	1" 5/8	1" 1/4	134,5	45,5	50
345	45INTJSF3024	1" 7/8	1" 1/2	180,0	60,5	55

FEMMINA GIREVOLE 90° JIC SVASATA 74° INTERLOCK
INTERLOCK 90° JIC SWIVEL FEMALE 74° CONE



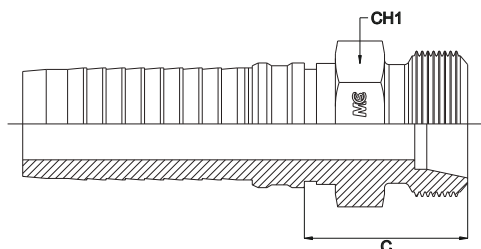
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
420	90INTJSF1712	1"1/16	3/4"	53,0	61,0	32
	90INTJSF2112	1"5/16	3/4"	51,0	63,5	38
414	90INTJSF2116	1"5/16	1"	69,0	75,0	38
	90INTJSF2620	1"5/8	1"1/4	86,5	85,5	50
345	90INTJSF3024	1"7/8	1"1/2	117,0	109,0	55

**MASCHIO JIC CONO 74° INTERLOCK
INTERLOCK JIC MALE 74° CONE**



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
420	INTJM1712	1"1/16	3/4"	37,0	27
	INTJM2112	1"5/16	3/4"	40,5	36
414	INTJM2116	1"5/16	1"	41,5	36
	INTJM2620	1"5/8	1"1/4	44,0	46
345	INTJM3024	1"7/8	1"1/2	49,0	50
	INTJM4032	2"1/2	2"	-	65

MASCHIO METRICO SVASATO 24° - SERIE PESANTE INTERLOCK
INTERLOCK METRIC MALE 24° CONE - HEAVY TYPE



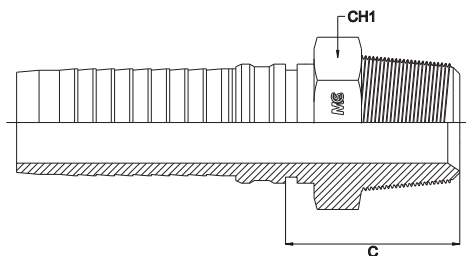
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut-Off	CH1
420	INTMMH2012	30x2	3/4"	20S	32,5	30
	INTMMH2512	36x2	3/4"	25S	36,0	36
414	INTMMH2516	36x2	1"	25S	36,0	36
280	INTMMH3016	42x2	1"	30S	38,0	46
250	INTMMH3820	52x2	1" 1/4	38S	44,0	55

MASCHIO SVASATO 60° INTERLOCK

Filetto NPT

INTERLOCK MALE 60° CONE

Thread NPT



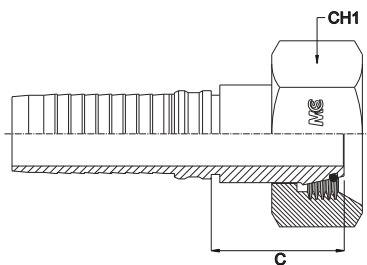
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
420	INTNPTM1212	3/4"	3/4"	34,5	27
	INTNPTM1616	1"	1"	42,5	36
	INTNPTM2020	1" 1/4	1" 1/4	45,5	46
	INTNPTM2424	1" 1/2	1" 1/2	47,0	50
345	INTNPTM3232	2"	2"	50,5	65

FEMMINA GIREVOLE O'RING CONO 24° - SERIE PESANTE INTERLOCK

Filetto Metrico Cilindrico

INTERLOCK O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE

Thread Metric Parallel



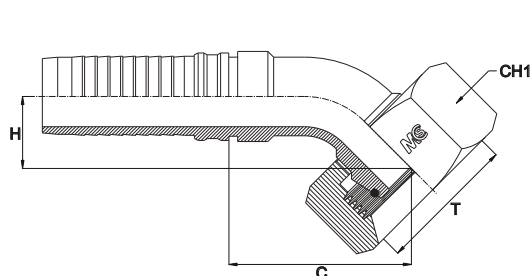
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
420	INTORMSFH2012	30x2	3/4"	20S	32,0	36
	INTORMSFH2512	36x2	3/4"	25S	32,0	46
414	INTORMSFH2516	36x2	1"	25S	33,0	46
280	INTORMSFH3016	42x2	1"	30S	33,0	50
250	INTORMSFH3820	52x2	1"1/4	38S	40,0	60
	INTORMSFH3824	52x2	1"1/2	38S	40,0	60
	INTORMSFH5024	68x2	1"1/2	50S	-	80

FEMMINA GIREVOLE 45° O’RING CONO 24° - SERIE PESANTE INTERLOCK

Filetto Metrico Cilindrico

INTERLOCK 45° O’RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE

Thread Metric Parallel



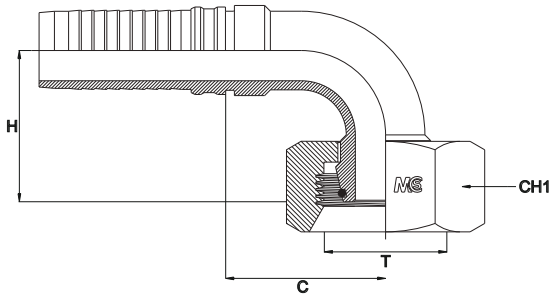
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	45INTORMSFH2012	30x2	3/4"	20S	85,0	29,5	36
	45INTORMSFH2512	36x2	3/4"	25S	87,0	35,0	46
414	45INTORMSFH2516	36x2	1"	25S	104,5	32,5	46
280	45INTORMSFH3016	42x2	1"	30S	108,0	35,0	50
250	45INTORMSFH3820	52x2	1" 1/4	38S	135,0	62,0	60
	45INTORMSFH3824	52x2	1" 1/2	38S	-	-	60

FEMMINA GIREVOLE 90° O’RING CONO 24° - SERIE PESANTE INTERLOCK

Filetto Metrico Cilindrico

INTERLOCK 90° O’RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE

Thread Metric Parallel



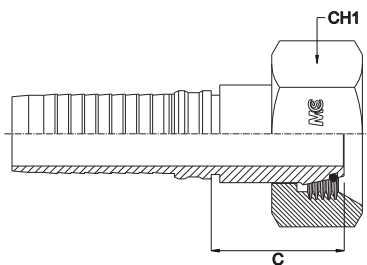
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	90INTORMSFH2012	30x2	3/4"	20S	50,0	64,0	36
	90INTORMSFH2512	36x2	3/4"	25S	50,5	60,5	46
414	90INTORMSFH2516	36x2	1"	25S	64,0	80,5	46
280	90INTORMSFH3016	42x2	1"	30S	64,0	77,5	50
250	90INTORMSFH3820	52x2	1" 1/4	38S	79,0	93,5	60
	90INTORMSFH3824	52x2	1" 1/2	38S	-	-	60

FEMMINA GIREVOLE O’RING CONO 24° - SERIE LEGGERA INTERLOCK

Filetto Metrico Cilindrico

INTERLOCK O’RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE

Thread Metric Parallel



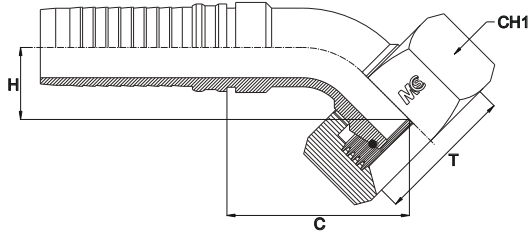
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
280	INTORMSFL2212	30x2	3/4"	22L	32,5	36
185	INTORMSFL2816	36x2	1"	28L	33,0	41
165	INTORMSFL3520	45x2	1" 1/4	35L	33,0	50
130	INTORMSFL4224	52x2	1" 1/2	42L	33,0	60

FEMMINA GIREVOLE 45° O’RING CONO 24° - SERIE LEGGERA INTERLOCK

Filetto Metrico Cilindrico

INTERLOCK 45° O’RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE

Thread Metric Parallel



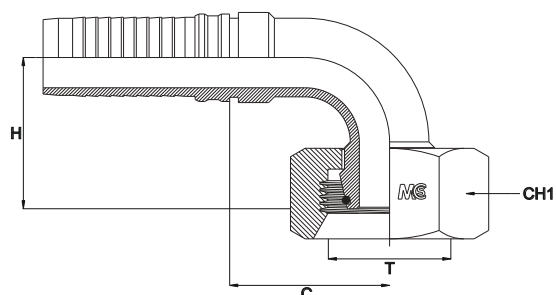
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	45INTORMSFL2212	30x2	3/4"	22L	-	-	36
185	45INTORMSFL2816	36x2	1"	28L	-	-	41
165	45INTORMSFL3520	45x2	1" 1/4	35L	-	-	50
130	45INTORMSFL4224	52x2	1" 1/2	42L	-	-	60

FEMMINA GIREVOLE 90° O’RING CONO 24° - SERIE LEGGERA INTERLOCK

Filetto Metrico Cilindrico

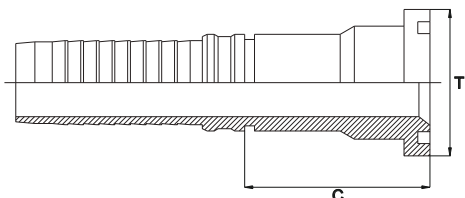
INTERLOCK 90° O’RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE

Thread Metric Parallel



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	90INTORMSFL2212	30x2	3/4"	22L	53,0	60,5	36
185	90INTORMSFL2816	36x2	1"	28L	61,0	84,5	41
165	90INTORMSFL3520	45x2	1" 1/4	35L	82,5	93,5	50
130	90INTORMSFL4224	52x2	1" 1/2	42L	104,0	111,0	60

FLANGIA SAE SERIE 3000 PSI INTERLOCK
INTERLOCK SAE STRAIGHT FLANGE 3000 PSI SERIES

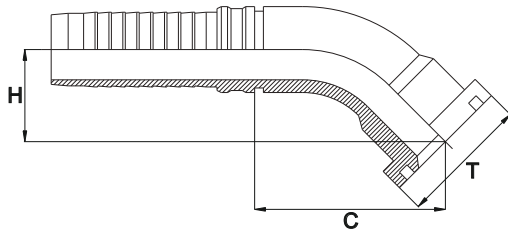


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
350	INTSSF30001212	3/4"	3/4"	38,1	45,0
	INTSSF30001612	1"	3/4"	44,5	-
280	INTSSF30001616	1"	1"	44,5	52,0
	INTSSF30002016	1" 1/4	1"	50,8	52,0
210	INTSSF30002020	1" 1/4	1" 1/4	50,8	53,0
	INTSSF30002420	1" 1/2	1" 1/4	60,3	60,0
185	INTSSF30002424	1" 1/2	1" 1/2	60,3	60,0
170	INTSSF30003232	2"	2"	71,4	62,0
	INTSSF30004032*	2" 1/2	2"	84,1	57,0

* Saldata

* Welded

FLANGIA 45° SAE SERIE 3000 PSI INTERLOCK
INTERLOCK 45° SAE FLANGE 3000 PSI SERIES

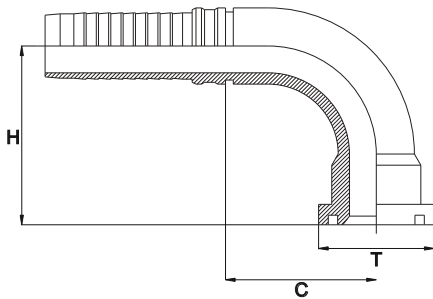


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	45INTSF30001212	3/4"	3/4"	38,1	78,5	31,0
	45INTSF30001612	1"	3/4"	44,5	79,0	31,5
280	45INTSF30001616	1"	1"	44,5	100,0	32,0
	45INTSF30002016	1" 1/4	1"	50,8	-	-
210	45INTSF30002020	1" 1/4	1" 1/4	50,8	125,5	39,0
	45INTSF30002420	1" 1/2	1" 1/4	60,3	-	-
185	45INTSF30002424	1" 1/2	1" 1/2	60,3	168,0	46,0
	45INTSF30003224*	2"	1" 1/2	71,4	-	-
170	45INTSF30003232	2"	2"	71,4	-	-

* Saldata

* Welded

FLANGIA 90° SAE SERIE 3000 PSI INTERLOCK
INTERLOCK 90° SAE FLANGE 3000 PSI SERIES

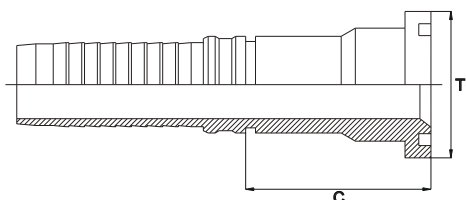


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	90INTSF30001212	3/4"	3/4"	38,1	48,5	61,5
	90INTSF30001612	1"	3/4"	44,5	47,5	65,0
280	90INTSF30001616	1"	1"	44,5	63,0	77,0
	90INTSF30002016	1" 1/4	1"	50,8	60,0	79,0
210	90INTSF30002020	1" 1/4	1" 1/4	50,8	78,5	99,0
	90INTSF30002420	1" 1/2	1" 1/4	60,3	74,0	105,5
185	90INTSF30002424	1" 1/2	1" 1/2	60,3	109,5	110,5
	90INTSF30003224*	2"	1" 1/2	71,4	125,5	127,0
170	90INTSF30003232	2"	2"	71,4	125,5	129,5

* Saldata

* Welded

FLANGIA SAE SERIE 6000 PSI INTERLOCK
INTERLOCK SAE STRAIGHT FLANGE 6000 PSI SERIES

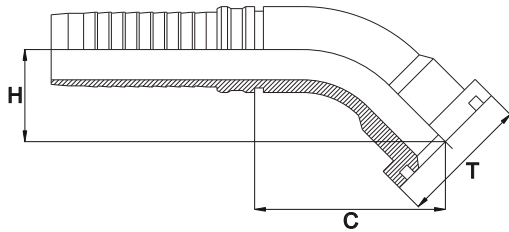


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
420	INTSSF60001212	3/4"	3/4"	41,3	51,0
	INTSSF60001612	1"	3/4"	47,6	56,0
415	INTSSF60001616	1"	1"	47,6	57,0
	INTSSF60002016	1" 1/4	1"	54,0	57,0
	INTSSF60002020	1" 1/4	1" 1/4	54,0	65,0
345	INTSSF60002420	1" 1/2	1" 1/4	63,5	69,0
	INTSSF60002424	1" 1/2	1" 1/2	63,5	75,0
	INTSSF60003232	2"	2"	79,4	63,0
	INTSSF60004032*	2" 1/2	2"	79,4	57,0

* Saldata

* Welded

FLANGIA 45° SAE SERIE 6000 PSI INTERLOCK
INTERLOCK 45° SAE FLANGE 6000 PSI SERIES

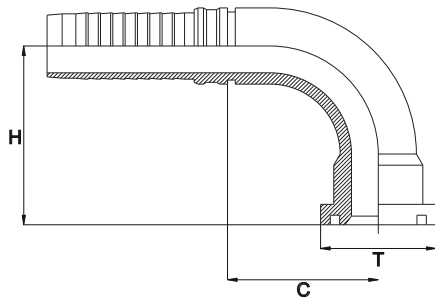


Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
420	45INTSF60001212	3/4"	3/4"	41,3	-	-
	45INTSF60001612	1"	3/4"	47,6	-	-
415	45INTSF60001616	1"	1"	47,6	94,2	31,8
	45INTSF60002016	1" 1/4	1"	54,0	-	-
	45INTSF60002020	1" 1/4	1" 1/4	54,0	-	-
	45INTSF60002420	1" 1/2	1" 1/4	63,5	-	-
345	45INTSF60002424	1" 1/2	1" 1/2	63,5	-	-
	45INTSF60003224*	2"	1" 1/2	79,4	-	-
	45INTSF60003232	2"	2"	79,4	-	-

* Saldata

* Welded

FLANGIA 90° SAE SERIE 6000 PSI INTERLOCK
INTERLOCK 90° SAE FLANGE 6000 PSI SERIES



Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
420	90INTSF60001212	3/4"	3/4"	41,3	46,5	63,0
	90INTSF60001612	1"	3/4"	47,6	52,0	61,5
415	90INTSF60001616	1"	1"	47,6	58,0	76,0
	90INTSF60002016	1" 1/4	1"	54,0	57,0	83,0
	90INTSF60002020	1" 1/4	1" 1/4	54,0	84,5	95,5
	90INTSF60002420	1" 1/2	1" 1/4	63,5	-	-
345	90INTSF60002424	1" 1/2	1" 1/2	63,5	108,0	118,0
	90INTSF60003224*	2"	1" 1/2	79,4	-	-
	90INTSF60003232	2"	2"	79,4	125,0	130,0

* Saldata

* Welded

MCS

HYDRAULICS

Raccordi per tubo flessibile- serie Pre-crimp
Hose Fittings - Pre-crimp series
Sae J516 - Iso 12151



Collezione - Collection
2019

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FEMMINA GIREVOLE GAS SV. 60°
BSP SWIVEL FEMALE 60° CONE



Cod. BSPSF..PC

Pag. 3.5

FEMMINA GIREVOLE A 45° GAS SV. 60°
45° BSP SWIVEL FEMALE 60° CONE



Cod. 45BSPSF..PC

Pag. 3.6

FEMMINA GIREVOLE A 90° GAS SV. 60°
90° BSP SWIVEL FEMALE 60° CONE



Cod. 90BSPSF..PC

Pag. 3.7

FEMMINA GIREVOLE O'RING FILETTO
METRICO CONO 24° - SERIE LEGGERA
O'RING METRIC SWIVEL FEMALE
24° CONE - LIGHT TYPE



Cod. ORMSFL..PC

Pag. 3.8

FEMMINA GIREVOLE O'RING FILETTO
METRICO CONO 24° - SERIE PESANTE
O'RING METRIC SWIVEL FEMALE
24° CONE - HEAVY TYPE



Cod. ORMSFH..PC

Pag. 3.9

FEMMINA GIREVOLE 45°
O'RING FILETTO METRICO
CONO 24° - SERIE LEGGERA
45° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE



Cod. 45ORMSFL..PC

Pag. 3.10

FEMMINA GIREVOLE 45°
O'RING FILETTO METRICO
CONO 24° - SERIE PESANTE
45° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE



Cod. 45ORMSFH..PC

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FEMMINA GIREVOLE 90°
O'RING FILETTO METRICO
CONO 24° - SERIE LEGGERA
90° O'RING METRIC SWIVEL
FEMALE 24° CONE - LIGHT TYPE



Cod. 90ORMSFL..PC

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FEMMINA GIREVOLE 90°
O'RING FILETTO METRICO
CONO 24° - SERIE PESANTE
90° O'RING METRIC SWIVEL
FEMALE 24° CONE - HEAVY TYPE



Cod. 90ORMSFH..PC

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FEMMINA METRICA OGIVA 24°/60°
METRIC MULTISEAL FEMALE 24°/60°



Cod. MSFLMS..PC

Pag. 3.14

FEMMINA 90° METRICA OGIVA 24°/60°
90° METRIC MULTISEAL FEMALE 24°/60°



Cod. 90MSFLMS..PC

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FEMMINA METRICA CONO 60°
METRIC FEMALE 60° CONE

Cod. MSFL..PC

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FEMMINA METRICA A 90° CONO 60°
90° METRIC FEMALE 60° CONE

Cod. 90MSFL..PC

Pag. 3.17



FEMMINA GIREVOLE JIC SV. 74°
JIC SWIVEL FEMALE 74° CONE

Cod. JSF..PC

Pag. 3.18



FEMMINA GIREVOLE 45° JIC SV. 74°
45° JIC SWIVEL FEMALE 74° CONE

Cod. 45JSF..PC

Pag. 3.19



FEMMINA GIREVOLE 90° JIC SV. 74°
90° JIC SWIVEL FEMALE 74° CONE

Cod. 90JSF..PC

Pag. 3.20



FEMMINA GIREVOLE JIC SV. 74°
DOPPIO ESAGONO
JIC SWIVEL FEMALE 74° CONE
DOUBLE HEXAGON

Cod. JSFDH..PC

Pag. 3.21



FEMINA GIREVOLE GAS SEDE PIANA
BSP SWIVEL FEMALE FLAT SEAT

Cod. BSPSFFS..PC

Pag. 3.22



FEMMINA GIREVOLE 90° GAS
SEDE PIANA
90° BSP SWIVEL FEMALE FLAT SEAT

Cod. 90BSPSFFS..PC

Pag. 3.23



FEMMINA GIREVOLE NPSM CONO 60°
NPSM SWIVEL FEMALE 60° CONE

Cod. NPSMSF..PC

Pag. 3.24



FEMMINA GIREVOLE 90°
NPSM CONO 60°
90° NPSM SWIVEL FEMALE 60° CONE

Cod. 90NPSMSF..PC

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FEMMINA METRICA TUBOLARE -
SERIE LEGGERA/PESANTE
METRIC STANDPIPE -
LIGHT/HEAVY TYPE

Cod. SLH..PC

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FEMMINA METRICA TUBOLARE 45° -
SERIE LEGGERA/PESANTE
45° METRIC STANDPIPE -
LIGHT/HEAVY TYPE

Cod. 45SLH..PC


Pag. 3.27



**FEMMINA METRICA TUBOLARE 90° -
SERIE LEGGERA/PESANTE**
90° METRIC STANDPIPE -
LIGHT/HEAVY TYPE

Cod. 90SLH..PC


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**FEMMINA TUBOLARE
(PER TUBO IN POLLICI)**
IMPERIAL STANDPIPE

Cod. IS..PC

Pag. 3.29



**FEMMINA TUBOLARE
DOPPIA ESTREMITÀ**
DOUBLE HOSE STANDPIPE

Cod. DHS..PC

Pag. 3.30



**FEMMINA PER IDROPULITRICI
K' FEMALE**

Cod. KF..PC

Pag. 3.31



MASCHIO SVASATO A 60°
Filetto Gas Cilindrico
MALE 60° CONE
Thread BSP Parallel

Cod. BSPM..PC

Pag. 3.32



MASCHIO SEDE PIANA
Filetto Gas Cilindrico
MALE FLAT SEAT
Thread BSP Parallel

Cod. BSPMFS..PC

Pag. 3.33



**MASCHIO METRICO SV. 24° -
SERIE LEGGERA**
METRIC MALE 24° CONE - LIGHT TYPE

Cod. MML..PC

Pag. 3.34



**MASCHIO METRICO SV. 24° -
SERIE PESANTE**
METRIC MALE 24° CONE - HEAVY TYPE

Cod. MMH..PC

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MASCHIO SVASATO 60°
Filetto Gas Conico
MALE 60° CONE
Thread BSP taper

Cod. BSPTM..PC


Pag. 3.36



MASCHIO SVASATO 60°
Filetto NPT
MALE 60° CONE
Thread NPT

Cod. NPTM..PC

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MASCHIO JIC CONO 74°
JIC MALE 74° CONE

Cod. JM..PC

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FLANGIA SAE SERIE 3000 PSI
SAE STRAIGHT FLANGE 3000 PSI

Cod. SSF3000..PC

Pag. 3.39



FLANGIA SAE SERIE 6000 PSI
SAE STRAIGHT FLANGE 6000 PSI

Cod. SSF6000..PC

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FLANGIA 45° SAE SERIE 3000 PSI
45° SAE FLANGE 3000 PSI

Cod. 45SF3000..PC

Pag. 3.41



FLANGIA 45° SAE SERIE 6000 PSI
45° SAE FLANGE 6000 PSI

Cod. 45SF6000..PC

Pag. 3.42



FLANGIA 90° SAE SERIE 3000 PSI
90° SAE FLANGE 3000 PSI

Cod. 90SF3000..PC

Pag. 3.43



FLANGIA 90° SAE SERIE 6000 PSI
90° SAE FLANGE 6000 PSI

Cod. 90SF6000..PC

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OCCHIO GAS
BSP BANJO

Cod. BSPBJ..PC

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OCCHIO METRICO
METRIC BANJO

Cod. MBJ..PC

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FEMMINA ORFS
ORFS FEMALE

Cod. ORFSF..PC

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FEMMINA 45° ORFS
45° ORFS FEMALE

Cod. 45ORFSF..PC

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FEMMINA 90° ORFS
90° ORFS FEMALE

Cod. 90ORFSF..PC

Pag. 3.49



MASCHIO ORFS
ORFS MALE

Cod. ORFSM..PC

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COME ORDINARE HOW TO ORDER

Esempio di codice/ Exemplifying part number :

BSPSF0404PC

Femmina Girevole GAS SV.60° 1/4" x T.1/4"

Inserto gambo standard con boccola OneGCEvo™

BSP Swivel Female 60° Cone 1/4" x H.1/4"

Standard tail with OneGCEvo™ ferrule

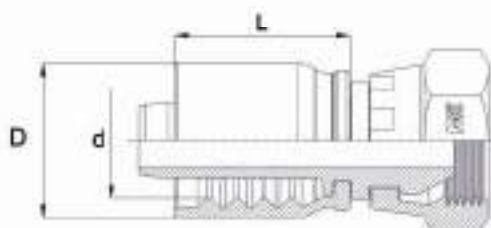
BSPSF0404PC/R7

Femmina Girevole GAS SV.60° 1/4" x T.1/4"

Inserto gambo standard con boccola R7

BSP Swivel Female 60° Cone 1/4" x H.1/4"

Standard tail with R7 ferrule



Immagina di poter utilizzare un'unica boccola...
Imagine a single ferrule for all your needs...



OneGGevo
Like no other



FR7

Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR2T03*	3/16"	20,0	14,4	29,5
OneGGevo-04	1/4"	22,0	16,0	30,0
OneGGevo-05	5/16"	24,0	17,5	32,0
OneGGevo-06	3/8"	26,0	19,6	32,0
OneGGevo-08	1/2"	30,0	23,0	34,0
OneGGevo-10	5/8"	33,0	26,1	38,0
OneGGevo-12	3/4"	38,0	30,2	42,0
OneGGevo-16	1"	46,0	38,7	48,0
OneGGevo-20	1 1/4"	60,0	49,0	56,0
OneGGevo-24	1 1/2"	65,0	55,5	63,0
OneGGevo-32	2"	80,0	68,5	74,0

* 3/16" OneGGevo™ non disponibile - OneGGevo™ not available for 3/16"

**GHIERA ONEGC™ PER:
ONEGC™ FERRULE FOR:**

SAE 100 R1AT (EN 853 15N)
SAE 100 R2AT (EN 853 25N)
SAE 100 R2A(EN 853 25T) ISO 4079-1
SAE 100 R16S (EN 857 25C)
SAE 100 1SC (EN 857 15C)
SAE 100 R15 (ISO 3862-1 R15)
SAE 100 R16 (ISO 11237-1 R16)
SAE 100R9R EN 856 4SP (ISO 3862-1 4SP)
EN 856 4SH (ISO 3862-1 4SH)
SAE100 R12 (EN 856 R12)
SAE 100 R13 (EN 856 R13)
HOSE TYPE

Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR702	1/8"	12,0	9,0	24,0
FR703	3/16"	14,0	10,7	26,0
FR704	1/4"	17,0	13,6	29,5
FR705	5/16"	19,0	15,2	30,0
FR706	3/8"	21,0	16,8	31,0
FR708	1/2"	25,5	21,0	34,0
FR710	5/8"	28,5	24,0	37,0
FR712	3/4"	32,0	27,5	42,0
FR716	1"	43,5	36,0	48,0

**GHIERA R7 PER :
R7 FERRULE FOR :**

SAE 100 R7 (EN 855 R7)
SAE 100 R8 (EN 855 R8)
SAE 100 R6 (EN 854 1TE)
SAE 100 R1 (MTH1 SERIES)
PTFE DOUBLE STAINLESS STEEL BRAID
HOSE TYPE

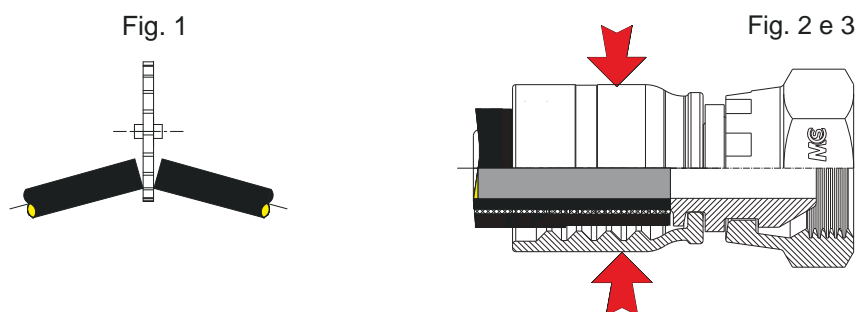
ISTRUZIONI DI MONTAGGIO DEI RACCORDI PER TUBI FLESSIBILI. HOSE FITTINGS ASSEMBLY INSTRUCTIONS

RACCORDI PER TUBI FLESSIBILI NO SKIVE (SENZA PELATURA ESTERNA) - SERIE STANDARD

1. Tagliare il tubo alla lunghezza desiderata e ad angolo retto e eliminare all'imbocco del tubo eventuali residui dovuti al taglio.
2. Inserire la ghiera e le resche nel tubo fino al loro arresto.
3. Pressare quindi la ghiera sul tubo al diametro di pressatura indicato nella tabella di assemblaggio.

STANDARD FITTINGS FOR NO SKIVE HOSES

1. Cut the hose right angle to required length, remove possible scraps.
2. Place the ferrule and insert tail onto the hose;
3. Crimp the ferrule on the hose at the swaging diameter indicated on our chart.

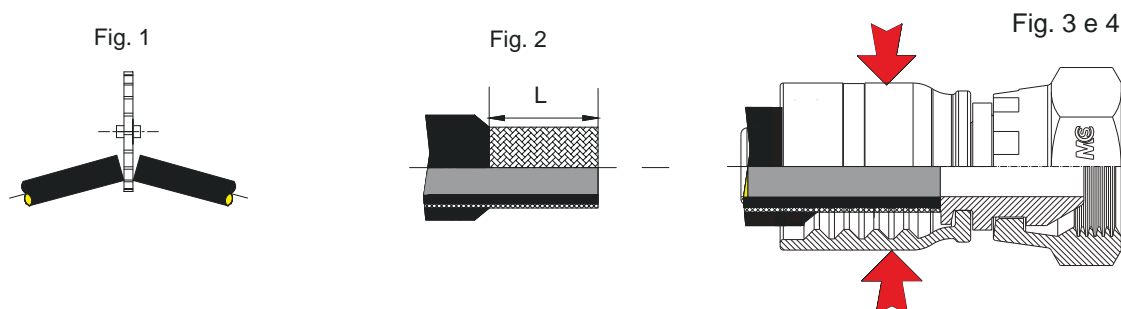


RACCORDI PER TUBI FLESSIBILI SKIVE (CON PELATURA ESTERNA) - SERIE STANDARD

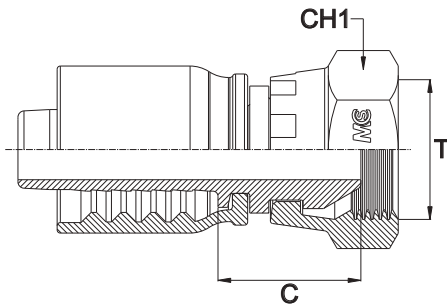
1. Tagliare il tubo alla lunghezza desiderata e ad angolo retto e eliminare all'imbocco del tubo eventuali residui dovuti al taglio.
2. Rimuovere la copertura esterna del tubo per la lunghezza indicata nella tabella di assemblaggio al diametro esterno del rinforzo metallico evitando di danneggiarlo).
3. Inserire la ghiera e le resche nel tubo fino al loro arresto.
4. Pressare quindi la ghiera sul tubo al diametro di pressatura indicato nella tabella di assemblaggio.

STANDARD FITTINGS FOR SKIVE HOSES

1. Cut the hose right angle to required length, remove possible scraps.
2. Remove the hose outer layer to the skiving length indicated in our chart;
3. Place the ferrule and insert tail onto the hose;
4. Crimp the ferrule on the hose at the swaging diameter indicated on our chart.

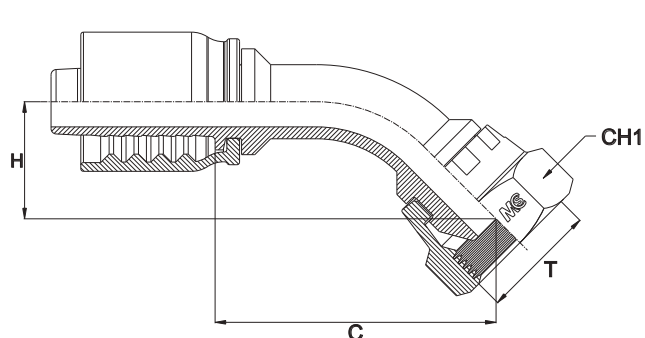


FEMMINA GIREVOLE GAS SV. 60°
BSP SWIVEL FEMALE 60° CONE
- DKR -



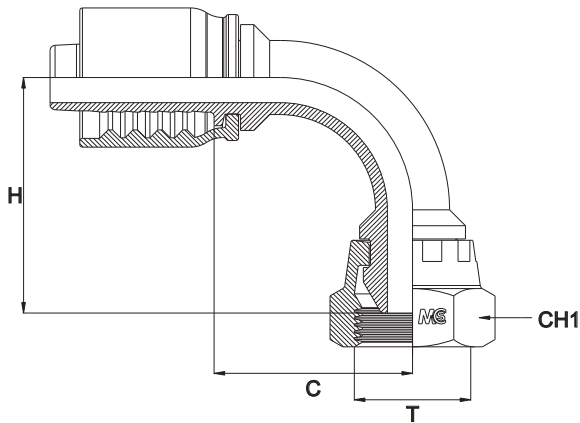
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPSF0202PC	1/8"	1/8"	17	17
	BSPSF0203PC	1/8"	3/16"	17	17
	BSPSF0204PC	1/8"	1/4"	17	17
	BSPSF0402PC	1/4"	1/8"	17	19
	BSPSF0403PC	1/4"	3/16"	17	19
450	BSPSF0404PC	1/4"	1/4"	17	19
350	BSPSF0405PC	1/4"	5/16"	17	19
450	BSPSF0406PC	1/4"	3/8"	17	19
415	BSPSF0603PC	3/8"	3/16"	19	22
450	BSPSF0604PC	3/8"	1/4"	19	22
350	BSPSF0605PC	3/8"	5/16"	20	22
450	BSPSF0606PC	3/8"	3/8"	19	22
415	BSPSF0608PC	3/8"	1/2"	19	22
450	BSPSF0804PC	1/2"	1/4"	22	27
350	BSPSF0805PC	1/2"	5/16"	23	27
450	BSPSF0806PC	1/2"	3/8"	22	27
415	BSPSF0808PC	1/2"	1/2"	23	27
350	BSPSF0810PC	1/2"	5/8"	25	27
	BSPSF0812PC	1/2"	3/4"	24	27
415	BSPSF1008PC	5/8"	1/2"	25	30
350	BSPSF1010PC	5/8"	5/8"	25	30
250	BSPSF1012PC	5/8"	3/4"	24	30
415	BSPSF1206PC	3/4"	3/8"	24	32
	BSPSF1208PC	3/4"	1/2"	24	32
350	BSPSF1210PC	3/4"	5/8"	27	32
	BSPSF1212PC	3/4"	3/4"	25	32
280	BSPSF1216PC	3/4"	1"	27	32
350	BSPSF1612PC	1"	3/4"	26	38
280	BSPSF1616PC	1"	1"	27	38
210	BSPSF1620PC	1"	1"1/4"	28	38
280	BSPSF2016PC	1"1/4"	1"	27	50
210	BSPSF2020PC	1"1/4"	1"1/4"	28	50
	BSPSF2420PC	1"1/2"	1"1/4"	32	55
185	BSPSF2424PC	1"1/2"	1"1/2"	33	55

FEMMINA GIREVOLE A 45° GAS SV. 60°
45° BSP SWIVEL FEMALE 60° CONE
- DKR 45° -



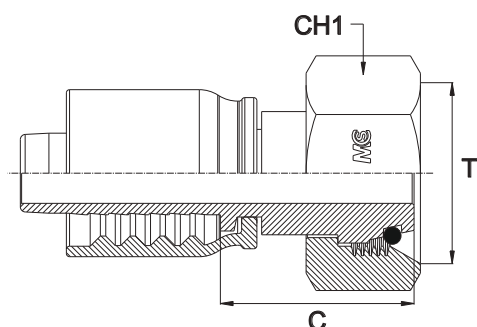
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
415	45BSPSF0202PC	1/8"	1/8"	39,0	17,0	17
	45BSPSF0402PC	1/4"	1/8"	39,0	17,0	19
	45BSPSF0203PC	1/8"	3/16"	39,0	15,5	17
	45BSPSF0204PC	1/8"	1/4"	39,5	16,5	17
	45BSPSF0403PC	1/4"	3/16"	39,0	15,5	19
450	45BSPSF0404PC	1/4"	1/4"	39,5	16,5	19
350	45BSPSF0405PC	1/4"	5/16"	37,0	16,0	19
450	45BSPSF0406PC	1/4"	3/8"	54,0	15,5	19
	45BSPSF0604PC	3/8"	1/4"	38,5	22,5	22
350	45BSPSF0605PC	3/8"	5/16"	58,0	30,0	22
450	45BSPSF0606PC	3/8"	3/8"	56,0	22,0	22
415	45BSPSF0608PC	3/8"	1/2"	-	-	22
350	45BSPSF0805PC	1/2"	5/16"	-	-	27
450	45BSPSF0806PC	1/2"	3/8"	57,5	22,0	27
415	45BSPSF0808PC	1/2"	1/2"	63,5	24,0	27
350	45BSPSF0810PC	1/2"	5/8"	76,0	26,5	27
	45BSPSF0812PC	1/2"	3/4"	87,4	27,5	27
415	45BSPSF1008PC	5/8"	1/2"	-	-	30
350	45BSPSF1010PC	5/8"	5/8"	72,0	21,0	30
415	45BSPSF1208PC	3/4"	1/2"	-	-	32
350	45BSPSF1210PC	3/4"	5/8"	76,5	27,5	32
	45BSPSF1212PC	3/4"	3/4"	86,5	32,5	32
	45BSPSF1612PC	1"	3/4"	89,0	34,0	38
280	45BSPSF1616PC	1"	1"	112,5	38,5	38
	45BSPSF2016PC	1"1/4	1"	-	-	50
150	45BSPSF2020PC	1"1/4	1"1/4	145,5	45,0	50
210	45BSPSF2420PC	1"1/2	1"1/4	-	-	55
185	45BSPSF2424PC	1"1/2	1"1/2	172,5	55,5	55

FEMMINA GIREVOLE A 90° GAS SV. 60°
90° BSP SWIVEL FEMALE 60° CONE
- DKR 90° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
415	90BSPSF0202PC	1/8"	1/8"	23,5	26,5	17
	90BSPSF0402PC	1/4"	1/8"	23,5	26,5	19
	90BSPSF0203PC	1/8"	3/16"	28,5	29,0	17
	90BSPSF0204PC	1/8"	1/4"	23,5	26,5	17
	90BSPSF0403PC	1/4"	3/16"	28,5	28,0	19
450	90BSPSF0404PC	1/4"	1/4"	23,5	27,5	19
350	90BSPSF0405PC	1/4"	5/16"	25,5	25,5	19
450	90BSPSF0406PC	1/4"	3/8"	34,5	34,5	19
	90BSPSF0604PC	3/8"	1/4"	23,5	35,5	22
350	90BSPSF0605PC	3/8"	5/16"	25,5	36,0	22
450	90BSPSF0606PC	3/8"	3/8"	34,5	36,5	22
415	90BSPSF0608PC	3/8"	1/2"	37,5	44,5	22
350	90BSPSF0805PC	1/2"	5/16"	25,5	-	27
450	90BSPSF0806PC	1/2"	3/8"	34,5	37,0	27
415	90BSPSF0808PC	1/2"	1/2"	37,5	44,5	27
350	90BSPSF0810PC	1/2"	5/8"	44,5	52,0	27
	90BSPSF0812PC	1/2"	3/4"	52,5	59,5	27
415	90BSPSF1008PC	5/8"	1/2"	37,5	-	30
350	90BSPSF1010PC	5/8"	5/8"	44,5	52,5	30
415	90BSPSF1208PC	3/4"	1/2"	37,5	47,0	32
350	90BSPSF1210PC	3/4"	5/8"	44,5	52,0	32
	90BSPSF1212PC	3/4"	3/4"	52,5	59,0	32
	90BSPSF1612PC	1"	3/4"	52,5	62,0	38
280	90BSPSF1616PC	1"	1"	67,5	74,5	38
	90BSPSF2016PC	1"1/4	1"	67,5	-	50
150	90BSPSF2020PC	1"1/4	1"1/4	89,0	85,7	50
210	90BSPSF2420PC	1"1/2	1"1/4	85,0	103,0	55
185	90BSPSF2424PC	1"1/2	1"1/2	114,0	110,0	55

FEMMINA GIREVOLE O’RING FILETTO METRICO CONO 24° - SERIE LEGGERA
O’RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE
- DKOL -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
280	ORMSFLO602PC	12x1,5	1/8"	06L	22,5	14
	ORMSFLO603PC	12x1,5	3/16"	06L	22,5	14
	ORMSFLO604PC	12x1,5	1/4"	06L	21,5	14
	ORMSFLO803PC	14x1,5	3/16"	08L	22,5	17
	ORMSFLO804PC	14x1,5	1/4"	08L	21,5	17
	ORMSFLO805PC	14x1,5	5/16"	08L	23,0	17
	ORMSFLO806PC*	14x1,5	3/8"	08L	21,0	17
	ORMSFL1003PC	16x1,5	3/16"	10L	26,0	19
	ORMSFL1004PC	16x1,5	1/4"	10L	26,0	19
	ORMSFL1005PC	16x1,5	5/16"	10L	26,0	19
	ORMSFL1006PC	16x1,5	3/8"	10L	26,0	19
	ORMSFL1204PC	18x1,5	1/4"	12L	24,5	22
	ORMSFL1205PC	18x1,5	5/16"	12L	26,0	22
	ORMSFL1206PC	18x1,5	3/8"	12L	26,0	22
	ORMSFL1208PC*	18x1,5	1/2"	12L	22,5	22
	ORMSFL1505PC	22x1,5	5/16"	15L	27,0	27
	ORMSFL1506PC	22x1,5	3/8"	15L	27,0	27
	ORMSFL1508PC	22x1,5	1/2"	15L	27,0	27
	ORMSFL1510PC	22x1,5	5/8"	15L	27,0	27
ORMSFL1512PC*	22x1,5	3/4"	15L	27,6	27	
ORMSFL1806PC	26x1,5	3/8"	18L	30,5	32	
210	ORMSFL1808PC	26x1,5	1/2"	18L	30,5	32
	ORMSFL1810PC	26x1,5	5/8"	18L	30,5	32
	ORMSFL1812PC*	26x1,5	3/4"	18L	31,0	32
	ORMSFL2208PC	30x2	1/2"	22L	36,0	36
	ORMSFL2210PC	30x2	5/8"	22L	36,0	36
	ORMSFL2212PC	30x2	3/4"	22L	36,5	36
165	ORMSFL2216PC	30x2	1"	22L	31,0	36
	ORMSFL2810PC	36x2	5/8"	28L	37,0	41
	ORMSFL2812PC	36x2	3/4"	28L	37,0	41
	ORMSFL2816PC	36x2	1"	28L	37,0	41
ORMSFL2820PC*	36x2	1"1/4	28L	36,5	41	
125	ORMSFL3520PC	45x2	1"1/4	35L	36,5	50
100	ORMSFL4224PC	52x2	1"1/2	42L	36,5	60

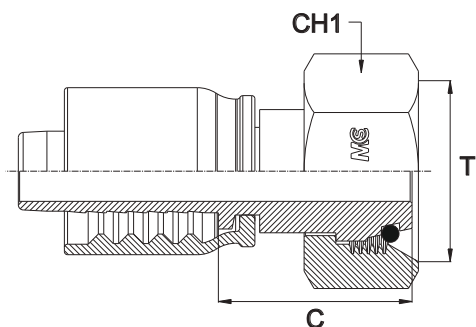
* Dado Pressato

* Crimp Nut

FEMMINA GIREVOLE O'RING FILETTO METRICO CONO 24° - SERIE PESANTE

O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE

- DKOS -

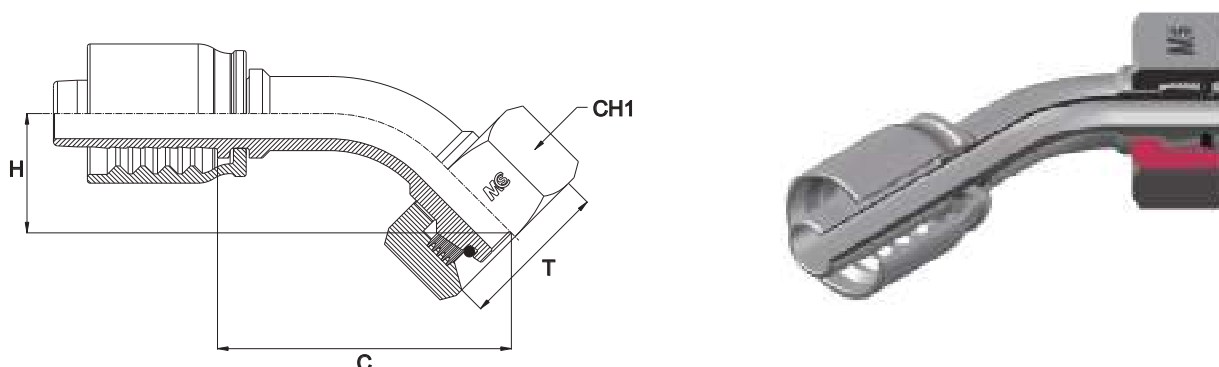


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
420	ORMSFH0603PC	14x1,5	3/16"	06S	22,5	17
450	ORMSFH0604PC	14x1,5	1/4"	06S	22,5	17
420	ORMSFH0803PC	16x1,5	3/16"	08S	22,5	19
450	ORMSFH0804PC	16x1,5	1/4"	08S	22,5	19
350	ORMSFH0805PC	16x1,5	5/16"	08S	26,0	19
	ORMSFH0806PC	16x1,5	3/8"	08S	26,0	19
450	ORMSFH1004PC	18x1,5	1/4"	10S	25,5	22
350	ORMSFH1005PC	18x1,5	5/16"	10S	26,0	22
	ORMSFH1006PC	18x1,5	3/8"	10S	26,0	22
450	ORMSFH1204PC	20x1,5	1/4"	12S	26,0	24
350	ORMSFH1205PC	20x1,5	5/16"	12S	26,0	24
450	ORMSFH1206PC	20x1,5	3/8"	12S	26,0	24
420	ORMSFH1208PC	20x1,5	1/2"	12S	27,0	24
350	ORMSFH1405PC	22x1,5	5/16"	14S	27,0	27
450	ORMSFH1406PC	22x1,5	3/8"	14S	26,5	27
	ORMSFH1408PC	22x1,5	1/2"	14S	26,0	27
420	ORMSFH1606PC	24x1,5	3/8"	16S	32,0	30
	ORMSFH1608PC	24x1,5	1/2"	16S	32,0	30
	ORMSFH1610PC	24x1,5	5/8"	16S	36,0	30
350	ORMSFH2008PC	30x2	1/2"	20S	36,0	36
	ORMSFH2010PC	30x2	5/8"	20S	36,0	36
	ORMSFH2012PC	30x2	3/4"	20S	36,5	36
	ORMSFH2510PC	36x2	5/8"	25S	36,5	46
	ORMSFH2512PC	36x2	3/4"	25S	36,5	46
	ORMSFH2516PC	36x2	1"	25S	37,0	46
280	ORMSFH3012PC	42x2	3/4"	30S	36,5	50
	ORMSFH3016PC	42x2	1"	30S	37,0	50
	ORMSFH3020PC*	42x2	1" 1/4	30S	36,5	50
210	ORMSFH3816PC	52x2	1"	38S	37,0	60
	ORMSFH3820PC	52x2	1" 1/4	38S	42,5	60
185	ORMSFH3824PC	52x2	1" 1/2	38S	42,5	60
	ORMSFH5024PC	68x2	1" 1/2	50S	37,0	80

* Dado Pressato

* Crimp Nut

FEMMINA GIREVOLE 45° O'RING FILETTO METRICO CONO 24° - SERIE LEGGERA
45° O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE
- DKOL 45° -

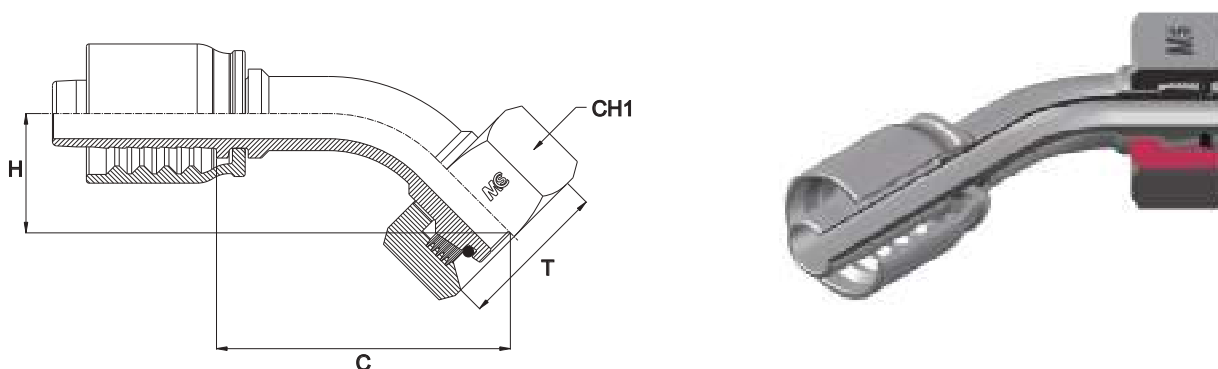


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	45ORMSFLO603PC	12x1,5	3/16"	06L	44,0	22,0	14
	45ORMSFLO604PC	12x1,5	1/4"	06L	43,5	15,7	14
	45ORMSFLO803PC	14x1,5	3/16"	08L	43,5	19,5	17
	45ORMSFLO804PC	14x1,5	1/4"	08L	50,0	18,0	17
	45ORMSFLO805PC	14x1,5	5/16"	08L	-	-	17
	45ORMSFL1004PC	16x1,5	1/4"	10L	48,0	19,0	19
	45ORMSFL1005PC	16x1,5	5/16"	10L	59,0	19,5	19
	45ORMSFL1006PC	16x1,5	3/8"	10L	55,0	18,0	19
	45ORMSFL1204PC	18x1,5	1/4"	12L	46,0	32,0	22
	45ORMSFL1205PC	18x1,5	5/16"	12L	59,0	22,0	22
	45ORMSFL1206PC	18x1,5	3/8"	12L	56,5	21,0	22
	45ORMSFL1208PC*	18x1,5	1/2"	12L	62,0	20,5	22
	45ORMSFL1506PC	22x1,5	3/8"	15L	-	-	27
45ORMSFL1508PC	22x1,5	1/2"	15L	68,0	25,5	27	
210	45ORMSFL1806PC	26x1,5	3/8"	18L	-	-	32
	45ORMSFL1808PC	26x1,5	1/2"	18L	70,5	28,5	32
	45ORMSFL1810PC	26x1,5	5/8"	18L	75,5	28,0	32
	45ORMSFL1812PC	26x1,5	3/4"	18L	85,0	22,5	32
	45ORMSFL2210PC	30x2	5/8"	22L	-	-	36
45ORMSFL2212PC	30x2	3/4"	22L	88,5	33,0	36	
165	45ORMSFL2812PC	36x2	3/4"	28L	86,0	27,5	41
	45ORMSFL2816PC	36x2	1"	28L	108,0	37,0	41
125	45ORMSFL3520PC	45x2	1" 1/4	35L	132,5	32,5	50
100	45ORMSFL4224PC	52x2	1" 1/2	42L	-	-	60

* Dado Pressato

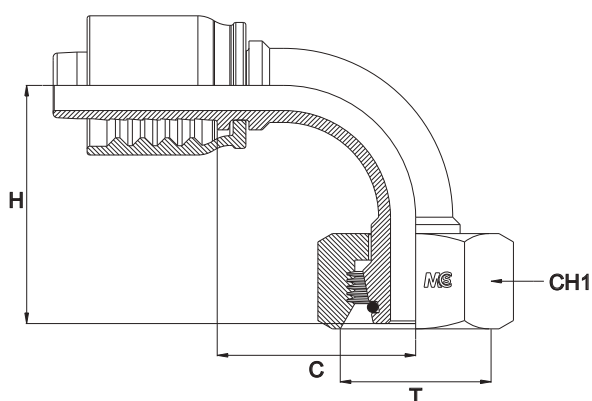
* Crimp Nut

FEMMINA GIREVOLE 45° O'RING FILETTO METRICO CONO 24° - SERIE PESANTE
45° O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE
- DKOS 45° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	45ORMSFH0603PC	14x1,5	3/16"	06S	-	-	17
450	45ORMSFH0604PC	14x1,5	1/4"	06S	-	-	17
420	45ORMSFH0803PC	16x1,5	3/16"	08S	-	-	19
450	45ORMSFH0804PC	16x1,5	1/4"	08S	47,0	16,5	19
350	45ORMSFH0805PC	16x1,5	5/16"	08S	-	-	19
450	45ORMSFH1004PC	18x1,5	1/4"	10S	48,5	22,5	22
350	45ORMSFH1005PC	18x1,5	5/16"	10S	-	-	22
450	45ORMSFH1006PC	18x1,5	3/8"	10S	55,0	19,0	22
	45ORMSFH1204PC	20x1,5	1/4"	12S	-	-	24
350	45ORMSFH1205PC	20x1,5	5/16"	12S	55,0	18,5	24
450	45ORMSFH1206PC	20x1,5	3/8"	12S	58,5	22,5	24
420	45ORMSFH1208PC	20x1,5	1/2"	12S	-	-	24
450	45ORMSFH1406PC	22x1,5	3/8"	14S	57,0	25,5	27
	45ORMSFH1408PC	22x1,5	1/2"	14S	-	-	27
420	45ORMSFH1606PC	24x1,5	3/8"	16S	-	-	30
	45ORMSFH1608PC	24x1,5	1/2"	16S	67,5	28,0	30
350	45ORMSFH1610PC	24x1,5	5/8"	16S	68,0	23,0	30
	45ORMSFH2008PC	30x2	1/2"	20S	-	-	36
	45ORMSFH2010PC	30x2	5/8"	20S	73,5	28,5	36
	45ORMSFH2012PC	30x2	3/4"	20S	87,0	29,5	36
280	45ORMSFH2512PC	36x2	3/4"	25S	89,5	35,0	46
	45ORMSFH2516PC	36x2	1"	25S	110,5	35,0	46
	45ORMSFH3012PC	42x2	3/4"	30S	89,0	30,5	50
210	45ORMSFH3016PC	42x2	1"	30S	110,5	35,0	50
	45ORMSFH3820PC	52x2	1" 1/4	38S	138,0	62,0	60
185	45ORMSFH3824PC	52x2	1" 1/2	38S	-	-	60
	45ORMSFH5024PC	68x2	1" 1/2	50S	-	-	80

FEMMINA GIREVOLE 90° O'RING FILETTO METRICO CONO 24° - SERIE LEGGERA
90° O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE
- DKOL 90° -

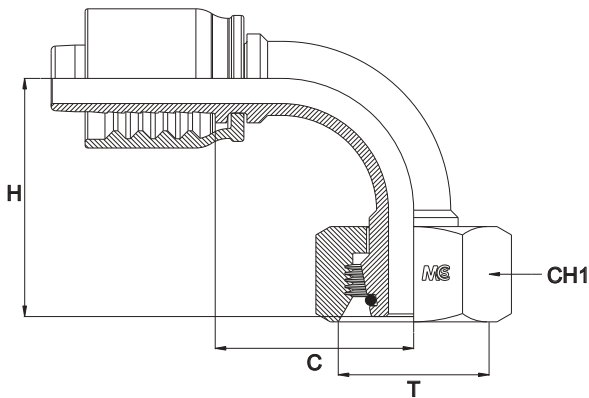


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
280	900RMSFL0603PC	12x1,5	3/16"	06L	24,5	32,0	14
	900RMSFL0604PC	12x1,5	1/4"	06L	24,0	32,0	14
	900RMSFL0803PC	14x1,5	3/16"	08L	26,5	31,0	17
	900RMSFL0804PC	14x1,5	1/4"	08L	24,0	32,0	17
	900RMSFL0805PC	14x1,5	5/16"	08L	33,5	39,1	17
	900RMSFL1003PC	16x1,5	3/16"	10L	27,5	35,0	17
	900RMSFL1004PC	16x1,5	1/4"	10L	28,0	34,5	19
	900RMSFL1005PC	16x1,5	5/16"	10L	37,0	36,5	19
	900RMSFL1006PC	16x1,5	3/8"	10L	35,0	37,5	19
	900RMSFL1204PC	18x1,5	1/4"	12L	27,0	36,5	22
	900RMSFL1205PC	18x1,5	5/16"	12L	37,0	36,5	22
	900RMSFL1206PC	18x1,5	3/8"	12L	35,5	36,5	22
	900RMSFL1208PC*	18x1,5	1/2"	12L	36,5	36,5	22
210	900RMSFL1506PC	22x1,5	3/8"	15L	40,0	38,5	27
	900RMSFL1508PC	22x1,5	1/2"	15L	37,5	45,0	27
	900RMSFL1806PC	26x1,5	1/2"	18L	39,0	38,5	32
	900RMSFL1808PC	26x1,5	1/2"	18L	39,0	49,0	32
	900RMSFL1810PC	26x1,5	5/8"	18L	44,0	48,5	32
	900RMSFL1812PC	26x1,5	3/4"	18L	52,0	63,0	32
165	900RMSFL2210PC	30x2	5/8"	22L	46,0	47,5	36
	900RMSFL2212PC	30x2	3/4"	22L	55,5	60,5	36
125	900RMSFL2812PC	36x2	3/4"	28L	56,0	61,0	41
	900RMSFL2816PC	36x2	1"	28L	62,5	79,5	41
100	900RMSFL3520PC	45x2	1" 1/4	35L	85,0	93,5	50
100	900RMSFL4224PC	52x2	1" 1/2	42L	107,0	111,0	60

* Dado Pressato

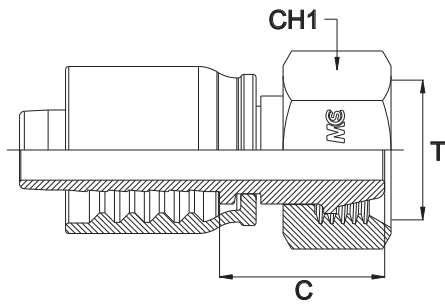
* Crimp Nut

FEMMINA GIREVOLE 90° O'RING FILETTO METRICO CONO 24° - SERIE PESANTE
90° O'RING METRIC SWIVEL FEMALE 24° CONE - HEAVY TYPE
- DKOS 90° -



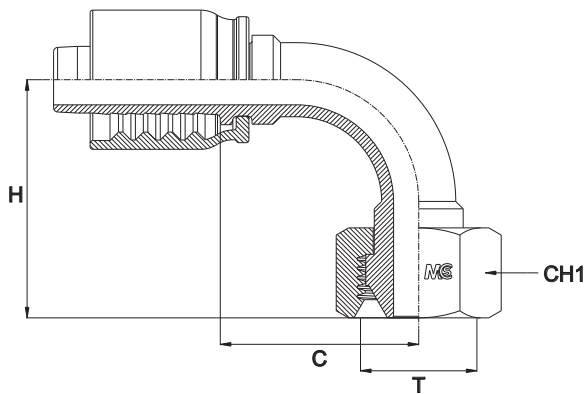
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	H Drop	CH1
420	900RMSFH0603PC	14x1,5	3/16"	06S	24,5	32,0	17
450	900RMSFH0604PC	14x1,5	1/4"	06S	27,0	32,0	17
420	900RMSFH0803PC	16x1,5	3/16"	08S	27,0	32,0	19
450	900RMSFH0804PC	16x1,5	1/4"	08S	27,0	32,0	19
350	900RMSFH0805PC	16x1,5	5/16"	08S	37,0	36,5	19
350	900RMSFH0806PC	16x1,5	3/8"	08S	35,0	37,5	19
450	900RMSFH1004PC	18x1,5	1/4"	10S	28,0	35,5	22
350	900RMSFH1005PC	18x1,5	5/16"	10S	37,0	36,5	22
450	900RMSFH1006PC	18x1,5	3/8"	10S	37,0	37,5	22
	900RMSFH1204PC	20x1,5	1/4"	12S	27,0	36,5	24
350	900RMSFH1205PC	20x1,5	5/16"	12S	37,0	37,0	24
450	900RMSFH1206PC	20x1,5	3/8"	12S	35,5	36,5	24
420	900RMSFH1208PC	20x1,5	1/2"	12S	37,0	47,5	24
450	900RMSFH1406PC	22x1,5	3/8"	14S	39,5	38,5	27
420	900RMSFH1408PC	22x1,5	1/2"	14S	40,0	46,5	27
	900RMSFH1606PC	24x1,5	3/8"	16S	35,4	43,0	30
	900RMSFH1608PC	24x1,5	1/2"	16S	36,5	45,5	30
350	900RMSFH1610PC	24x1,5	5/8"	16S	42,0	50,0	30
	900RMSFH2008PC	30x2	1/2"	20S	40,0	48,0	36
	900RMSFH2010PC	30x2	5/8"	20S	42,0	50,0	36
	900RMSFH2012PC	30x2	3/4"	20S	47,5	65,5	36
	900RMSFH2512PC	36x2	3/4"	25S	55,5	60,5	46
280	900RMSFH2516PC	36x2	1"	25S	69,5	74,5	46
	900RMSFH3012PC	42x2	3/4"	30S	53,0	65,0	50
210	900RMSFH3016PC	42x2	1"	30S	68,0	78,5	50
	900RMSFH3820PC	52x2	1" 1/4	38S	84,0	93,0	60
185	900RMSFH3824PC	52x2	1" 1/2	38S	108,0	112,0	60
	900RMSFH5024PC	68x2	1" 1/2	50S	-	-	80

FEMMINA METRICA OGIVA 24°/60°
METRIC MULTISEAL FEMALE 24°/60°
- DKL -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
280	MSFLMS1203PC	12x1,5	3/16"	22,0	14
	MSFLMS1204PC	12x1,5	1/4"	22,5	14
	MSFLMS1403PC	14x1,5	3/16"	22,5	17
	MSFLMS1404PC	14x1,5	1/4"	22,5	17
	MSFLMS1405PC*	14x1,5	5/16"	21,0	17
	MSFLMS1604PC	16x1,5	1/4"	26,0	19
	MSFLMS1605PC	16x1,5	5/16"	26,0	19
	MSFLMS1606PC	16x1,5	3/8"	26,0	19
	MSFLMS1804PC	18x1,5	1/4"	26,0	22
	MSFLMS1805PC	18x1,5	5/16"	26,0	22
	MSFLMS1806PC	18x1,5	3/8"	26,0	22
	MSFLMS2206PC	22x1,5	3/8"	27,0	27
	MSFLMS2208PC	22x1,5	1/2"	26,0	27
210	MSFLMS2608PC	26x1,5	1/2"	31,0	32
	MSFLMS2610PC	26x1,5	5/8"	30,5	32
	MSFLMS3012PC	30x2	3/4"	36,5	36
165	MSFLMS3616PC	36x2	1"	37,0	41
125	MSFLMS4520PC	45x2	1" 1/4	36,5	50
100	MSFLMS5224PC	52x2	1" 1/2	36,5	60

FEMMINA 90° METRICA OGIVA 24°/60°
90° METRIC MULTISEAL FEMALE 24°/60°
- DKL 90° -

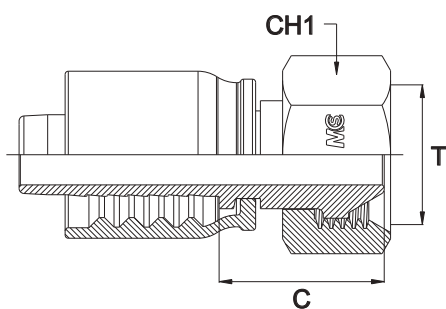


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
280	90MSFLMS1203PC	12x1,5	3/16"	24,0	32,0	14
	90MSFLMS1204PC	12x1,5	1/4"	24,0	32,0	14
	90MSFLMS1404PC	14x1,5	1/4"	24,0	32,0	17
	90MSFLMS1405PC	14x1,5	5/16"	24,0	32,0	17
	90MSFLMS1604PC	16x1,5	1/4"	28,0	34,5	19
	90MSFLMS1605PC	16x1,5	5/16"	37,0	36,5	19
	90MSFLMS1606PC	16x1,5	3/8"	35,0	37,5	19
	90MSFLMS1804PC	18x1,5	1/4"	27,0	36,5	22
	90MSFLMS1805PC	18x1,5	5/16"	37,0	36,5	22
	90MSFLMS1806PC	18x1,5	3/8"	35,5	36,5	22
210	90MSFLMS2206PC	22x1,5	3/8"	40,0	38,5	27
	90MSFLMS2208PC	22x1,5	1/2"	37,5	45,0	27
	90MSFLMS2608PC	26x1,5	1/2"	39,0	49,0	32
165	90MSFLMS2610PC	26x1,5	5/8"	44,0	48,5	32
	90MSFLMS3012PC	30x2	3/4"	55,5	60,5	36
125	90MSFLMS3616PC	36x2	1"	70,5	75,0	41
100	90MSFLMS4520PC	45x2	1" 1/4	85,0	93,5	50
	90MSFLMS5224PC	52x2	1" 1/2	107,0	111,0	60

* Disponibile anche a 45°

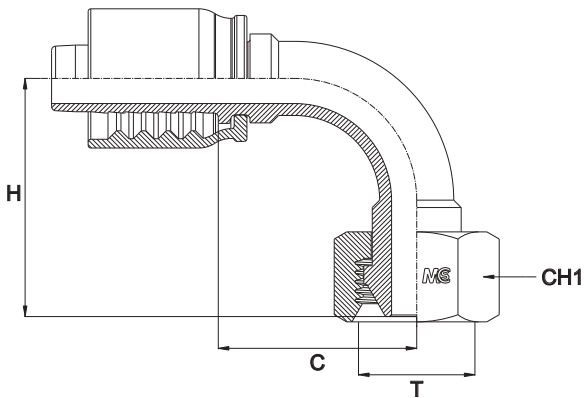
* Also Available 45°

FEMMINA METRICA CONO 60°
METRIC FEMALE 60° CONE
- DKM -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
350	MSFL1203PC	12x1,5	3/16"	22,0	14
	MSFL1204PC	12x1,5	1/4"	21,5	14
	MSFL1404PC	14x1,5	1/4"	21,5	17
	MSFL1405PC*	14x1,5	5/16"	21,0	17
	MSFL1604PC	16x1,5	1/4"	21,5	19
	MSFL1605PC	16x1,5	5/16"	26,0	19
315	MSFL1606PC	16x1,5	3/8"	26,0	19
	MSFL1608PC	16x1,5	1/2"	26,0	19
350	MSFL1804PC	18x1,5	1/4"	26,0	22
	MSFL1805PC	18x1,5	5/16"	26,0	22
	MSFL1806PC	18x1,5	3/8"	26,0	22
315	MSFL2006PC	20x1,5	3/8"	26,0	24
	MSFL2008PC	20x1,5	1/2"	27,0	24
	MSFL2206PC	22x1,5	3/8"	24,2	27
	MSFL2208PC	22x1,5	1/2"	26,0	27
250	MSFL2608PC	26x1,5	1/2"	31,0	32
	MSFL2610PC	26x1,5	5/8"	30,5	32
210	MSFL3012PC	30x1,5	3/4"	36,5	36
165	MSFL3816PC	38x1,5	1"	37,0	46
125	MSFL4520PC	45x1,5	1"1/4	36,5	50

FEMMINA METRICA A 90° CONO 60°
90° METRIC FEMALE 60° CONE
- DKM 90° -

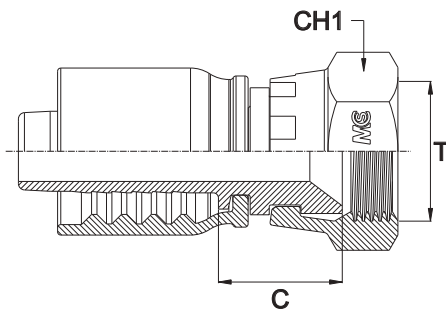


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	90MSFL1203PC	12x1,5	3/16"	24,0	32,0	14
	90MSFL1204PC	12x1,5	1/4"	24,0	32,0	14
	90MSFL1404PC	14x1,5	1/4"	24,0	32,0	17
	90MSFL1604PC	16x1,5	1/4"	28,0	34,5	19
	90MSFL1605PC	16x1,5	5/16"	37,0	36,5	19
	90MSFL1606PC	16x1,5	3/8"	35,0	37,5	19
	90MSFL1805PC	18x1,5	5/16"	37,0	36,5	22
315	90MSFL1806PC	18x1,5	3/8"	35,5	36,5	22
	90MSFL2006PC	20x1,5	3/8"	35,5	36,5	24
250	90MSFL2208PC	22x1,5	1/2"	37,5	45,0	27
	90MSFL2608PC	26x1,5	1/2"	39,0	49,0	32
210	90MSFL2610PC	26x1,5	5/8"	44,0	48,5	32
210	90MSFL3012PC	30x1,5	3/4"	55,5	59,5	36
165	90MSFL3816PC	38x1,5	1"	70,5	75,0	46

* Disponibile anche a 45°

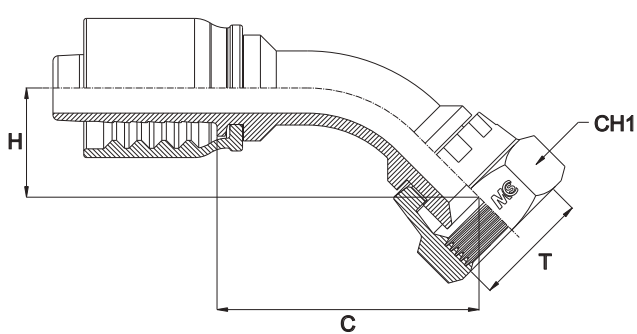
* Also Available 45°

FEMMINA GIREVOLE JIC SV. 74°
JIC SWIVEL FEMALE 74° CONE
- DKJ -



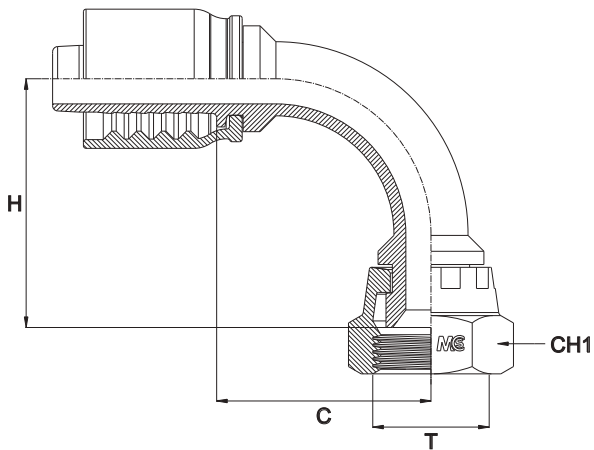
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
350	JSF0603PC	3/8"	3/16"	15,5	17
	JSF0703PC	7/16"	3/16"	15,5	17
	JSF0704PC	7/16"	1/4"	15,5	17
	JSF0705PC	7/16"	5/16"	15,5	17
	JSF0706PC	7/16"	3/8"	15,5	17
	JSF0803PC	1/2"	3/16"	15,5	17
	JSF0804PC	1/2"	1/4"	15,5	17
	JSF0805PC	1/2"	5/16"	15,5	17
250	JSF0806PC	1/2"	3/8"	15,5	17
	JSF0904PC	9/16"	1/4"	15,5	19
	JSF0905PC	9/16"	5/16"	15,5	19
	JSF0906PC	9/16"	3/8"	15,5	19
	JSF0908PC	9/16"	1/2"	16,5	19
	JSF1006PC	5/8"	3/8"	15,5	22
	JSF1204PC	3/4"	1/4"	19,0	24
	JSF1205PC	3/4"	5/16"	19,0	24
200	JSF1206PC	3/4"	3/8"	19,0	24
	JSF1208PC	3/4"	1/2"	19,5	24
	JSF1210PC	3/4"	5/8"	20,0	24
	JSF1212PC	3/4"	3/4"	20,5	24
	JSF1406PC	7/8"	3/8"	19,0	27
	JSF1408PC	7/8"	1/2"	19,5	27
	JSF1410PC	7/8"	5/8"	20,0	27
	JSF1412PC	7/8"	3/4"	20,5	27
160	JSF1708PC	1" 1/16	1/2"	23,0	32
	JSF1710PC	1" 1/16	5/8"	23,0	32
	JSF1712PC	1" 1/16	3/4"	23,0	32
	JSF1716PC	1" 1/16	1"	23,5	32
100	JSF2112PC	1" 5/16	3/4"	23,5	38
	JSF2116PC	1" 5/16	1"	24,5	38
100	JSF2120PC	1" 5/16	1" 1/4	25,5	38
125	JSF2616PC	1" 5/8	1"	27,0	50
	JSF2620PC	1" 5/8	1" 1/4	28,0	50
100	JSF3020PC	1" 7/8	1" 1/4	28,0	55
	JSF3024PC	1" 7/8	1" 1/2	28,0	55

FEMMINA GIREVOLE 45° JIC SV. 74°
45° JIC SWIVEL FEMALE 74° CONE
- DKJ 45°-



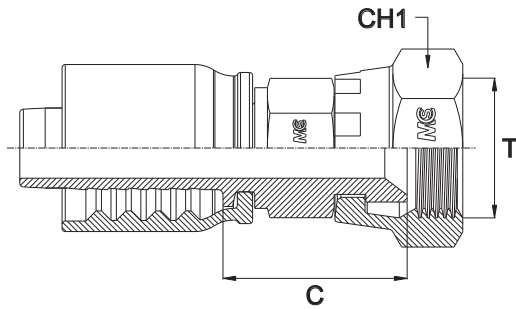
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	45JSF0603PC	3/8"	3/16"	42,5	14,5	17
	45JSF0703PC	7/16"	3/16"	39,0	14,5	17
	45JSF0704PC	7/16"	1/4"	41,5	18,5	17
	45JSF0705PC	7/16"	5/16"	-	-	17
	45JSF0803PC	1/2"	3/16"	-	-	17
	45JSF0804PC	1/2"	1/4"	42,5	19,5	17
250	45JSF0805PC	1/2"	5/16"	38,3	12,5	17
	45JSF0806PC	1/2"	3/8"	59,0	20,5	17
	45JSF0904PC	9/16"	3/8"	61,5	23,0	19
	45JSF0905PC	9/16"	5/16"	68,5	26,0	19
	45JSF0906PC	9/16"	3/8"	52,5	16,5	19
	45JSF1204PC	3/4"	1/4"	46,0	11,5	24
	45JSF1206PC	3/4"	3/8"	56,0	16,0	24
200	45JSF1208PC	3/4"	1/2"	64,0	20,0	24
	45JSF1210PC	3/4"	5/8"	-	-	24
	45JSF1212PC	3/4"	3/4"	-	-	24
	45JSF1406PC	7/8"	3/8"	58,0	23,5	27
	45JSF1408PC	7/8"	1/2"	70,5	36,0	27
	45JSF1410PC	7/8"	5/8"	70,0	41,0	27
	45JSF1708PC	1"1/16	1/2"	-	-	32
160	45JSF1710PC	1"1/16	5/8"	79,0	26,5	32
	45JSF1712PC	1"1/16	3/4"	98,5	35,0	32
	45JSF1716PC	1"1/16	1"	-	-	32
	45JSF2112PC	1"5/16	3/4"	86,0	26,0	38
125	45JSF2116PC	1"5/16	1"	109,0	37,0	38
	45JSF2616PC	1"5/8	1"	-	-	50
100	45JSF2620PC	1"5/8	1"1/4	134,0	43,0	50
	45JSF3020PC	1"7/8	1"1/4	135,0	46,3	55
	45JSF3024PC	1"7/8	1"1/2	172,5	53,5	55

FEMMINA GIREVOLE 90° JIC SV. 74°
90° JIC SWIVEL FEMALE 74° CONE
- DKJ 90°-



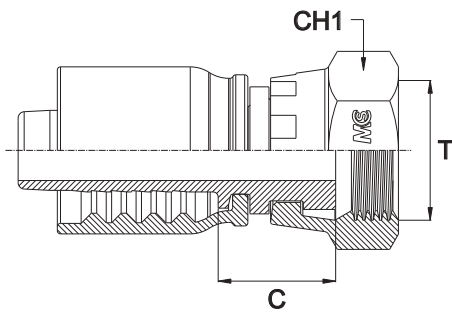
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
350	90JSF0603PC	3/8"	3/16"	25,5	28,0	17
	90JSF0703PC	7/16"	3/16"	24,5	26,5	17
	90JSF0704PC	7/16"	1/4"	23,5	30,5	17
	90JSF0705PC	7/16"	5/16"	25,0	28,0	17
	90JSF0706PC	7/16"	3/8"	36,5	34,0	17
	90JSF0803PC	1/2"	3/16"	24,0	24,5	17
	90JSF0804PC	1/2"	1/4"	23,5	30,5	17
90JSF0805PC	1/2"	5/16"	24,5	27,0	17	
250	90JSF0806PC	1/2"	3/8"	36,5	33,0	17
	90JSF0904PC	9/16"	1/4"	22,0	35,0	19
	90JSF0905PC	9/16"	5/16"	38,5	37,5	19
	90JSF0906PC	9/16"	3/8"	35,0	36,0	19
	90JSF1204PC	3/4"	1/4"	24,0	34,0	24
	90JSF1205PC	3/4"	5/16"	-	-	24
	90JSF1206PC	3/4"	3/8"	40,0	46,5	24
90JSF1208PC	3/4"	1/2"	36,5	45,0	24	
200	90JSF1210PC	3/4"	5/8"	-	-	24
	90JSF1212PC	3/4"	3/4"	-	-	24
	90JSF1406PC	7/8"	3/8"	40,0	38,5	27
	90JSF1408PC	7/8"	1/2"	40,0	47,0	27
	90JSF1410PC	7/8"	5/8"	43,1	52,6	27
	90JSF1708PC	1" 1/16	1/2"	37,0	48,0	32
	90JSF1710PC	1" 1/16	5/8"	43,5	57,0	32
90JSF1712PC	1" 1/16	3/4"	55,0	68,0	32	
90JSF1716PC	1" 1/16	1"	-	-	32	
160	90JSF2112PC	1" 5/16	3/4"	53,5	70,5	38
	90JSF2116PC	1" 5/16	1"	70,5	88,0	38
125	90JSF2616PC	1" 5/8	1"	64,0	81,0	50
	90JSF2620PC	1" 5/8	1" 1/4	83,5	89,5	50
100	90JSF3020PC	1" 7/8	1" 1/4	88,0	89,0	55
	90JSF3024PC	1" 7/8	1" 1/2	113,5	110,5	55

FEMMINA GIREVOLE JIC SV. 74° DOPPIO ESAGONO
JIC SWIVEL FEMALE 74° CONE DOUBLE HEXAGON
- DKJ -



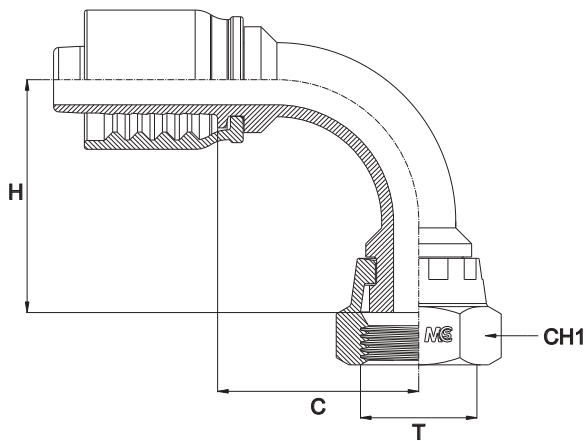
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1	CH2
350	JSFDH0704PC	7/16"	1/4"	25,5	17	14
	JSFDH0804PC	1/2"	1/4"	25,5	17	14
250	JSFDH0805PC	1/2"	5/16"	-	17	14
	JSFDH0904PC	9/16"	1/4"	25,5	19	14
	JSFDH0905PC	9/16"	5/16"	25,5	19	14
	JSFDH0906PC	9/16"	3/8"	25,8	19	17
	JSFDH1206PC	3/4"	3/8"	28,8	24	19
	JSFDH1208PC	3/4"	1/2"	29,5	24	19
200	JSFDH1408PC	7/8"	1/2"	29,5	27	22
	JSFDH1410PC	7/8"	5/8"	31,0	27	22
	JSFDH1710PC	1" 1/16	5/8"	-	32	27
	JSFDH1712PC	1" 1/16	3/4"	34,0	32	27
160	JSFDH2116PC	1" 5/16	1"	35,5	38	32

FEMMINA GIREVOLE GAS SEDE PIANA
BSP SWIVEL FEMALE FLAT SEAT
- DKR FLAT SEAT -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	BSPSFFS0404PC	1/4"	1/4"	15,5	19
	BSPSFFS0405PC	1/4"	5/16"	16,0	19
	BSPSFFS0604PC	3/8"	1/4"	16,0	22
350	BSPSFFS0605PC	3/8"	5/16"	16,0	22
450	BSPSFFS0606PC	3/8"	3/8"	16,0	22
	BSPSFFS0806PC	1/2"	3/8"	18,0	27
415	BSPSFFS0808PC	1/2"	1/2"	18,5	27
350	BSPSFFS0810PC	1/2"	5/8"	20,5	27
415	BSPSFFS1008PC	5/8"	1/2"	18,5	30
350	BSPSFFS1010PC	5/8"	5/8"	20,0	30
415	BSPSFFS1208PC	3/4"	1/2"	21,0	32
350	BSPSFFS1210PC	3/4"	5/8"	24,0	32
	BSPSFFS1212PC	3/4"	3/4"	22,0	32
	BSPSFFS1612PC	1"	3/4"	23,0	38
280	BSPSFFS1616PC	1"	1"	24,0	38
210	BSPSFFS1620PC	1"	1" 1/4	25,0	38
	BSPSFFS2016PC	1" 1/4	1"	24,5	50
	BSPSFFS2020PC	1" 1/4	1" 1/4	25,5	50
185	BSPSFFS2424PC	1" 1/2	1" 1/2	27,0	55

FEMMINA GIREVOLE 90° GAS SEDE PIANA
90° BSP SWIVEL FEMALE FLAT SEAT
- DKR 90° FLAT SEAT -

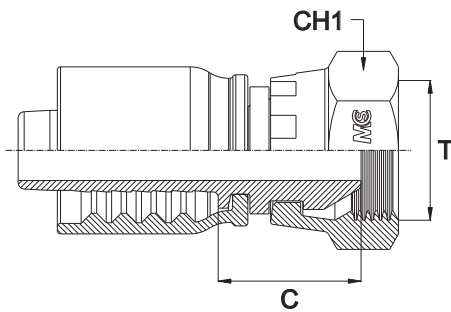


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	90BSPSFFS0404PC	1/4"	1/4"	23,5	26,4	19
350	90BSPSFFS0405PC	1/4"	5/16"	25,5	24,4	19
450	90BSPSFFS0604PC	3/8"	1/4"	-	-	22
350	90BSPSFFS0605PC	3/8"	5/16"	25,5	33,0	22
450	90BSPSFFS0606PC	3/8"	3/8"	34,5	33,0	22
	90BSPSFFS0806PC	1/2"	3/8"	34,5	33,0	27
415	90BSPSFFS0808PC	1/2"	1/2"	37,5	40,5	27
350	90BSPSFFS0810PC	1/2"	5/8"	-	-	27
415	90BSPSFFS1008PC	5/8"	1/2"	-	-	30
350	90BSPSFFS1010PC	5/8"	5/8"	44,5	48,5	30
415	90BSPSFFS1206PC	3/4"	3/8"	35,5	44,0	32
	90BSPSFFS1208PC	3/4"	1/2"	37,5	44,0	32
350	90BSPSFFS1210PC	3/4"	5/8"	44,5	49,0	32
	90BSPSFFS1212PC	3/4"	3/4"	52,5	56,0	32
280	90BSPSFFS1616PC	1"	1"	52,5	71,5	38
210	90BSPSFFS2020PC	1"1/4	1"1/4	67,5	83,0	50
185	90BSPSFFS2424PC	1"1/2	1"1/2	-	-	55

* Disponibile anche a 45°

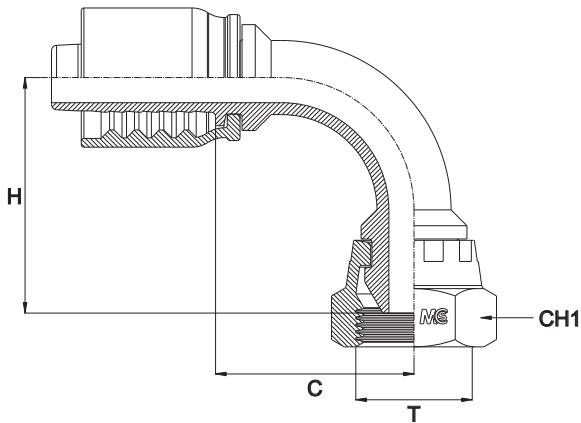
* Also Available 45°

FEMMINA GIREVOLE NPSM CONO 60°
NPSM SWIVEL FEMALE 60° CONE
- DKN -



Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
NPSMSF0404PC	1/4"	1/4"	17,0	19
NPSMSF0606PC	3/8"	3/8"	19,0	22
NPSMSF0808PC	1/2"	1/2"	22,5	27
NPSMSF1212PC	3/4"	3/4"	25,0	32
NPSMSF1616PC	1"	1"	27,0	38
NPSMSF2020PC	1"1/4"	1"1/4"	28,0	50

FEMMINA GIREVOLE 90° NPSM CONO 60°
90° NPSM SWIVEL FEMALE 60° CONE
- DKN 90° -

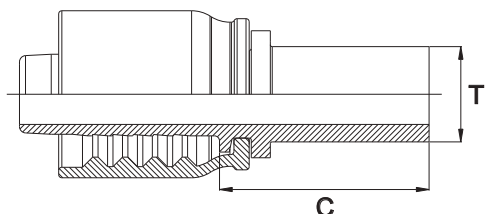


Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
90NPSMSF0404PC	1/4"	1/4"	23,5	27,5	19
90NPSMSF0606PC	3/8"	3/8"	34,5	36,5	22
90NPSMSF0808PC	1/2"	1/2"	37,5	44,5	27
90NPSMSF1212PC	3/4"	3/4"	52,5	59,0	32
90NPSMSF1616PC	1"	1"	67,5	74,5	38

* Disponibile anche a 45°

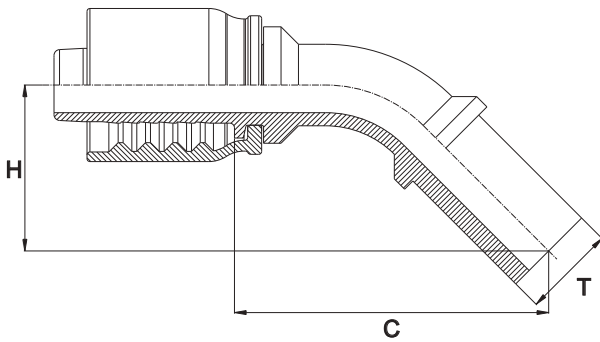
* Also Available 45°

FEMMINA METRICA TUBOLARE - SERIE LEGGERA/PESANTE
METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES -



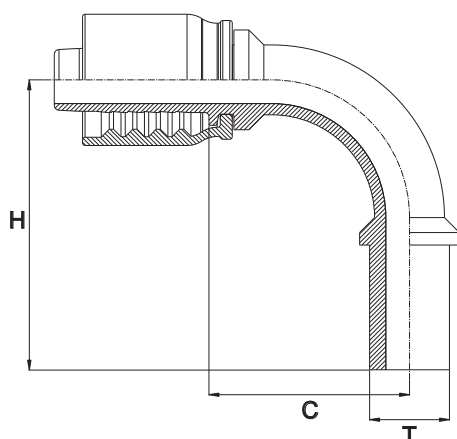
Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
415	SLH0603PC	06 L/S	3/16"	29,5
320	SLH0604PC	06 L/S	1/4"	29,5
415	SLH0803PC	08 L/S	3/16"	29,5
450	SLH0804PC	08 L/S	1/4"	29,5
320	SLH0805PC	08 L/S	5/16"	29,5
350	SLH0806PC	08 L/S	3/8"	32,0
	SLH1003PC	10 L/S	3/16"	29,5
450	SLH1004PC	10 L/S	1/4"	29,5
350	SLH1005PC	10 L/S	5/16"	29,5
330	SLH1006PC	10 L/S	3/8"	32,0
450	SLH1204PC	12 L/S	1/4"	29,5
350	SLH1205PC	12 L/S	5/16"	32,0
445	SLH1206PC	12 L/S	3/8"	32,0
250	SLH1208PC	12 L/S	1/2"	33,0
445	SH1404PC	14 S	1/4"	32,0
	SH1406PC	14 S	3/8"	32,0
415	SH1408PC	14 S	1/2"	33,0
	SH1608PC	16 S	1/2"	33,0
215	SH1612PC	16 S	3/4"	36,0
350	SH2008PC	20 S	1/2"	33,0
	SH2010PC	20 S	5/8"	35,5
215	SH2012PC	20 S	3/4"	36,0
350	SH2512PC	25 S	3/4"	39,0
165	SH2516PC	25 S	1"	50,0
250	SH3016PC	30 S	1"	50,0
210	SH3020PC	30 S	1" 1/4	57,5
	SH3820PC	38 S	1" 1/4	57,5
250	SL1506PC	15 L	3/8"	32,0
	SL1508PC	15 L	1/2"	33,0
160	SL1808PC	18 L	1/2"	33,0
	SL1810PC	18 L	5/8"	35,5
	SL1812PC	18 L	3/4"	36,0
	SL2210PC	22 L	5/8"	36,0
100	SL2212PC	22 L	3/4"	36,0
	SL2816PC	28 L	1"	40,0
	SL3520PC	35 L	1" 1/4	47,5
	SL4224PC	42 L	1" 1/2	48,0

FEMMINA METRICA TUBOLARE 45° - SERIE LEGGERA/PESANTE
45° METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES 45° -



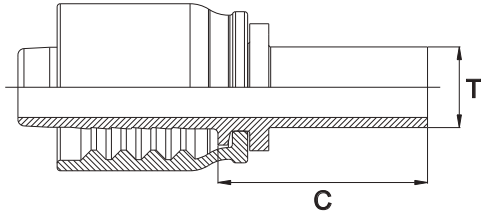
Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop
415	45SLH0603PC	06 L/S	3/16"	48,0	27,5
320	45SLH0604PC	06 L/S	1/4"	48,5	23,0
415	45SLH0803PC	08 L/S	3/16"	-	-
450	45SLH0804PC	08 L/S	1/4"	-	-
320	45SLH0805PC	08 L/S	5/16"	-	-
350	45SLH1003PC	10 L/S	3/16"	-	-
450	45SLH1004PC	10 L/S	1/4"	46,0	23,0
350	45SLH1005PC	10 L/S	5/16"	-	-
330	45SLH1006PC	10 L/S	3/8"	63,0	26,0
450	45SLH1204PC	12 L/S	1/4"	48,5	22,0
350	45SLH1205PC	12 L/S	5/16"	-	-
445	45SLH1206PC	12 L/S	3/8"	63,0	26,5
250	45SLH1208PC	12 L/S	1/2"	74,0	26,5
445	45SH1406PC	14 S	3/8"	-	-
415	45SH1608PC	16 S	1/2"	74,5	26,5
350	45SH2010PC	20 S	5/8"	73,5	33,5
215	45SH2012PC	20 S	3/4"	-	-
350	45SH2512PC	25 S	3/4"	-	-
165	45SH2516PC	25 S	1"	118,2	48,5
250	45SH3016PC	30 S	1"	-	-
210	45SH3820PC	38 S	1"1/4	-	-
250	45SL1508PC	15 L	1/2"	72,0	31,5
160	45SL1808PC	18 L	1/2"	-	-
	45SL1810PC	18 L	5/8"	-	-
	45SL2212PC	22 L	3/4"	-	-
100	45SL2816PC	28 L	1"	-	-
	45SL3520PC	35 L	1"1/4	-	-
	45SL4224PC	42 L	1"1/2	176,5	55,5

FEMMINA METRICA TUBOLARE 90° - SERIE LEGGERA/PESANTE
90° METRIC STANDPIPE - LIGHT/HEAVY TYPE
- BEL/BES 90° -



Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop
415	90SLH0603PC	06 L/S	3/16"	23,0	39,0
320	90SLH0604PC	06 L/S	1/4"	25,0	40,5
415	90SLH0803PC	08 L/S	3/16"	25,7	40,0
450	90SLH0804PC	08 L/S	1/4"	25,0	40,5
320	90SLH0805PC	08 L/S	5/16"	22,5	40,5
350	90SLH1003PC	10 L/S	3/16"	23,0	39,0
450	90SLH1004PC	10 L/S	1/4"	24,0	39,0
350	90SLH1005PC	10 L/S	5/16"	23,5	40,5
330	90SLH1006PC	10 L/S	3/8"	34,5	47,5
450	90SLH1204PC	12 L/S	1/4"	23,0	39,5
350	90SLH1205PC	12 L/S	5/16"	25,5	39,5
445	90SLH1206PC	12 L/S	3/8"	34,5	46,5
250	90SLH1208PC	12 L/S	1/2"	37,5	58,0
445	90SH1406PC	14 S	3/8"	34,5	46,5
415	90SH1608PC	16 S	1/2"	40,0	56,5
350	90SH2010PC	20 S	5/8"	38,0	60,0
215	90SH2012PC	20 S	3/4"	53,0	74,5
350	90SH2512PC	25 S	3/4"	55,5	70,5
165	90SH2516PC	25 S	1"	64,5	87,0
250	90SH3016PC	30 S	1"	66,0	92,0
210	90SH3820PC	38 S	1" 1/4	-	-
250	90SL1508PC	15 L	1/2"	40,2	58,1
160	90SL1808PC	18 L	1/2"	39,5	56,5
	90SL1810PC	18 L	5/8"	43,5	60,5
	90SL2212PC	22 L	3/4"	53,5	71,0
100	90SL2816PC	28 L	1"	90,0	90,5
	90SL3520PC	35 L	1" 1/4	89,0	111,5
	90SL4224PC	42 L	1" 1/2	106,5	122,5

FEMMINA TUBOLARE (PER TUBO IN POLLICI) IMPERIAL STANDPIPE

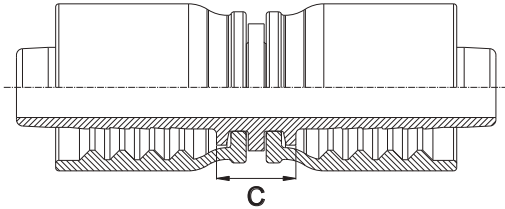


Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	IS0404PC	1/4" - 6,35 mm	1/4"	29,5
	IS0505PC	5/16" - 7,94 mm	5/16"	29,5
350	IS0604PC	3/8" - 9,52 mm	1/4"	32,0
	IS0605PC	3/8" - 9,52 mm	5/16"	32,0
420	IS0606PC	3/8" - 9,52 mm	3/8"	32,0
	IS0806PC	1/2" - 12,70 mm	3/8"	32,0
250	IS0808PC	1/2" - 12,70 mm	1/2"	33,0
160	IS1008PC	5/8" - 15,88 mm	1/2"	33,0
160	IS1010PC	5/8" - 15,88 mm	5/8"	33,0
215	IS1208PC	3/4" - 19,05 mm	1/2"	33,0
	IS1212PC	3/4" - 19,05 mm	3/4"	36,0
350	IS1612PC	1" - 25,40 mm	3/4"	39,0
165	IS1616PC	1" - 25,40 mm	1"	40,0
210	IS2020PC	1"1/4 - 31,75 mm	1"1/4	47,5
170	IS2424PC	1"1/2 - 38,10 mm	1"1/2	48,0

* Disponibile anche a 45° e 90°

* Also Available 45° & 90°

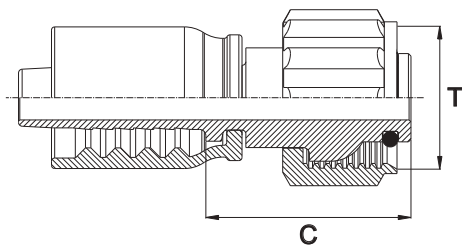
FEMMINA TUBOLARE DOPPIA ESTREMITÀ DOUBLE HOSE STANDPIPE



Bar W.P.	Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	DHS04PC	1/4"	12,5
350	DHS05PC	5/16"	12,5
445	DHS06PC	3/8"	12,5
415	DHS08PC	1/2"	12,5
350	DHS10PC	5/8"	17,0
	DHS12PC	3/4"	14,5
280	DHS16PC	1"	17,0
210	DHS20PC	1" 1/4	19,0
185	DHS24PC	1" 1/2	20,0

* Disponibile anche a 45° e 90°

* Also Available 45° & 90°

FEMMINA PER IDROPULITRICI**K' FEMALE****- DADO IN ACCIAIO INOX - STAINLESS STEEL NUT -****- DKO-KA -**

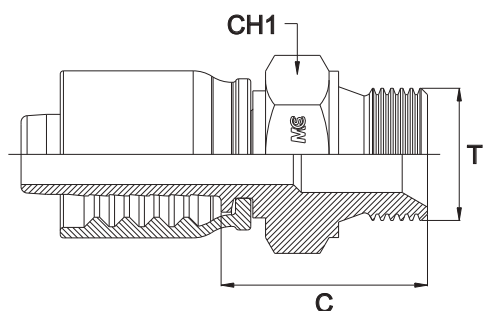
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
450	KF2204PC	22x1,5	1/4"	34,5
350	KF2205PC	22x1,5	5/16"	35,5
315	KF2206PC	22x1,5	3/8"	35,5
315	KF2208PC	22x1,5	1/2"	35,5

MASCHIO SVASATO A 60°

Filetto Gas Cilindrico

MALE 60° CONE

Thread BSP Parallel

- AGR -

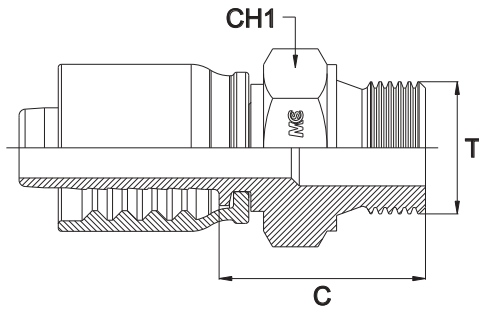
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPM0202PC	1/8"	1/8"	24,0	14
	BSPM0203PC	1/8"	3/16"	24,5	14
	BSPM0204PC	1/8"	1/4"	23,5	14
	BSPM0205PC	1/8"	5/16"	-	17
	BSPM0206PC	1/8"	3/8"	-	17
	BSPM0403PC	1/4"	3/16"	27,0	19
450	BSPM0404PC	1/4"	1/4"	27,0	19
350	BSPM0405PC	1/4"	5/16"	27,0	19
450	BSPM0406PC	1/4"	3/8"	27,0	19
415	BSPM0408PC	1/4"	1/2"	-	22
450	BSPM0604PC	3/8"	1/4"	29,0	22
350	BSPM0605PC	3/8"	5/16"	29,0	22
450	BSPM0606PC	3/8"	3/8"	29,0	22
415	BSPM0608PC	3/8"	1/2"	29,5	22
450	BSPM0804PC	1/2"	1/4"	32,0	27
350	BSPM0805PC	1/2"	5/16"	32,0	27
450	BSPM0806PC	1/2"	3/8"	32,0	27
415	BSPM0808PC	1/2"	1/2"	32,5	27
350	BSPM0810PC	1/2"	5/8"	34,0	27
	BSPM0812PC	1/2"	3/4"	33,0	27
415	BSPM1008PC	5/8"	1/2"	33,5	30
350	BSPM1010PC	5/8"	5/8"	35,0	30
415	BSPM1208PC	3/4"	1/2"	35,5	32
350	BSPM1210PC	3/4"	5/8"	37,0	32
	BSPM1212PC	3/4"	3/4"	36,5	32
280	BSPM1216PC	3/4"	1"	37,5	32
350	BSPM1612PC	1"	3/4"	40,5	38
280	BSPM1616PC	1"	1"	41,5	38
	BSPM2016PC	1" 1/4	1"	45,5	50
210	BSPM2020PC	1" 1/4	1" 1/4	46,0	50
185	BSPM2024PC	1" 1/4	1" 1/2	46,5	50
210	BSPM2420PC	1" 1/2	1" 1/4	46,0	55
185	BSPM2424PC	1" 1/2	1" 1/2	46,5	55

MASCHIO SEDE PIANA

Filetto Gas Cilindrico

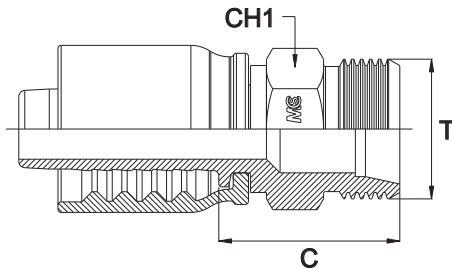
MALE FLAT SEAT

Thread BSP Parallel

- AGR- F -

Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	BSPMFS0404PC	1/4"	1/4"	27,0	19,0
350	BSPMFS0605PC	3/8"	5/16"	29,0	22,0
450	BSPMFS0606PC	3/8"	3/8"	29,0	22,0
	BSPMFS0806PC	1/2"	3/8"	32,0	27,0
415	BSPMFS0808PC	1/2"	1/2"	32,5	27,0
	BSPMFS1008PC	5/8"	1/2"	33,0	30,0
350	BSPMFS1010PC	5/8"	5/8"	35,0	30,0
415	BSPMFS1208PC	3/4"	1/2"	35,5	32,0
	BSPMFS1210PC	3/4"	5/8"	37,0	32,0
	BSPMFS1212PC	3/4"	3/4"	36,5	32,0
350	BSPMFS1612PC	1"	3/4"	40,5	38,0
	BSPMFS1616PC	1"	1"	41,5	38,0
210	BSPMFS2016PC	1" 1/4	1"	45,5	50,0
	BSPMFS2020PC	1" 1/4	1" 1/4	46,0	50,0
184	BSPMFS2420PC	1" 1/2	1" 1/4	46,0	55,0
	BSPMFS2424PC	1" 1/2	1" 1/2	46,5	55,0

MASCHIO METRICO SV. 24° - SERIE LEGGERA
METRIC MALE 24° CONE - LIGHT TYPE
- CEL -

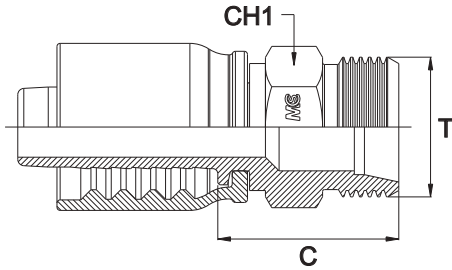


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
280	MML0603PC	12x1,5	3/16"	06L	25,0	14
	MML0604PC	12x1,5	1/4"	06L	25,0	14
	MML0803PC	14x1,5	3/16"	08L	25,0	14
	MML0804PC	14x1,5	1/4"	08L	25,0	14
	MML1004PC	16x1,5	1/4"	10L	27,0	17
	MML1005PC	16x1,5	5/16"	10L	27,0	17
	MML1006PC	16x1,5	3/8"	10L	27,0	17
	MML1204PC	18x1,5	1/4"	12L	27,0	19
	MML1205PC	18x1,5	5/16"	12L	27,0	19
	MML1206PC	18x1,5	3/8"	12L	27,0	19
	MML1208PC	18x1,5	1/2"	12L	27,0	19
210	MML1506PC	22x1,5	3/8"	15L	28,5	22
	MML1508PC	22x1,5	1/2"	15L	28,5	22
	MML1808PC	26x1,5	1/2"	18L	31,0	27
	MML1810PC	26x1,5	5/8"	18L	31,0	27
	MML1812PC	26x1,5	3/4"	18L	30,5	27
165	MML2210PC	30x2	5/8"	22L	32,5	30
	MML2212PC	30x2	3/4"	22L	32,5	30
125	MML2816PC	36x2	1"	28L	35,5	36
100	MML3520PC	45x2	1,1/4"	35L	39,0	46
	MML4224PC	52x2	1,1/2"	42L	40,5	55

MASCHIO METRICO SV. 24° - SERIE PESANTE

METRIC MALE 24° CONE - HEAVY TYPE

- CES -



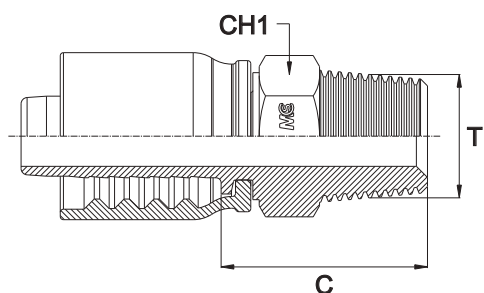
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
450	MMH0604PC	14x1,5	1/4"	06S	27,5	14
	MMH0804PC	16x1,5	1/4"	08S	28,0	17
	MMH1004PC	18x1,5	1/4"	10S	27,0	19
350	MMH1005PC	18x1,5	5/16"	10S	27,0	19
450	MMH1006PC	18x1,5	3/8"	10S	27,0	19
	MMH1204PC	20x1,5	1/4"	12S	28,0	22
350	MMH1205PC	20x1,5	5/16"	12S	28,0	22
450	MMH1206PC	20x1,5	3/8"	12S	28,0	22
350	MMH1405PC	22x1,5	5/16"	14S	29,5	22
450	MMH1406PC	22x1,5	3/8"	14S	29,5	24
420	MMH1606PC	24x1,5	3/8"	16S	31,0	24
	MMH1608PC	24x1,5	1/2"	16S	31,0	24
350	MMH1610PC	24x1,5	5/8"	16S	32,5	24
280	MMH1616PC	24x1,5	1"	16S	32,0	36
350	MMH2008PC	30x2	1/2"	20S	33,5	30
	MMH2010PC	30x2	5/8"	20S	35,0	30
	MMH2012PC	30x2	3/4"	20S	35,0	30
	MMH2512PC	36x2	3/4"	25S	37,5	36
280	MMH2516PC	36x2	1"	25S	38,5	36
350	MMH3008PC	42x2	1/2"	30S	41,5	46
280	MMH3016PC	42x2	1"	30S	42,5	46
210	MMH3020PC	42x2	1" 1/4	30S	43,5	46
280	MMH3816PC	52x2	1"	38S	45,0	55
210	MMH3820PC	52x2	1" 1/4	38S	46,0	55

MASCHIO SVASATO 60°

Filetto Gas Conico

MALE 60° CONE

Thread BSP Taper

- AGR-K -

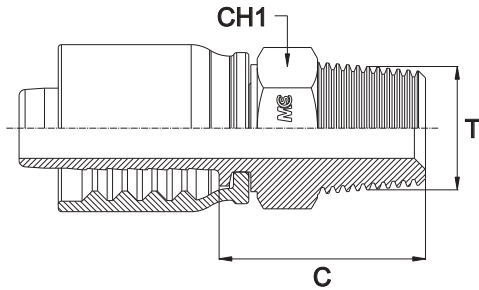
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	BSPTM0203PC	1/8"	3/16"	22,5	14
450	BSPTM0204PC	1/8"	1/4"	22,5	14
415	BSPTM0403PC	1/4"	3/16"	26,7	14
450	BSPTM0404PC	1/4"	1/4"	27,0	14
350	BSPTM0405PC	1/4"	5/16"	27,5	14
450	BSPTM0406PC	1/4"	3/8"	27,3	17
	BSPTM0604PC	3/8"	1/4"	28,6	19
350	BSPTM0605PC	3/8"	5/16"	29,0	19
450	BSPTM0606PC	3/8"	3/8"	29,5	19
415	BSPTM0608PC	3/8"	1/2"	29,0	19
350	BSPTM0610PC	3/8"	5/8"	29,5	22
	BSPTM0804PC	1/2"	1/4"	32,0	22
415	BSPTM0806PC	1/2"	3/8"	33,0	22
	BSPTM0808PC	1/2"	1/2"	32,5	22
	BSPTM0810PC	1/2"	5/8"	28,5	22
	BSPTM0812PC	1/2"	3/4"	36,5	27
350	BSPTM1208PC	3/4"	1/2"	35,0	27
	BSPTM1210PC	3/4"	5/8"	36,3	27
	BSPTM1212PC	3/4"	3/4"	36,5	27
	BSPTM1216PC	3/4"	1"	37,5	32
280	BSPTM1612PC	1"	3/4"	43,5	36
	BSPTM1616PC	1"	1"	44,5	36
	BSPTM1620PC	1"	1"1/4	47,0	41
210	BSPTM2016PC	1"1/4	1"	47,0	46
	BSPTM2020PC	1"1/4	1"1/4	48,0	46
185	BSPTM2424PC	1"1/2	1"1/2	46,0	50

MASCHIO SVASATO 60°

Filetto NPT

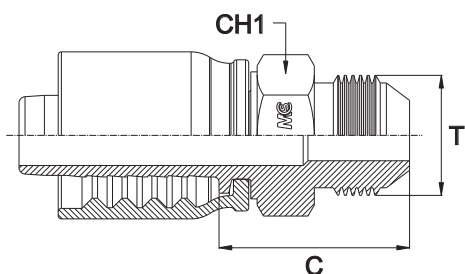
MALE 60° CONE

Thread NPT

- AGN -

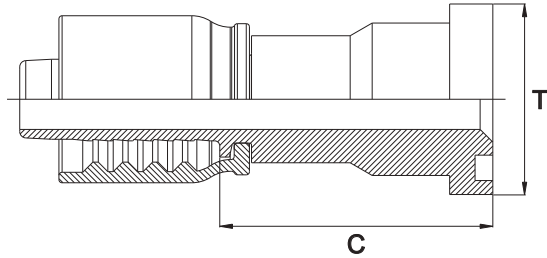
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	NPTM0203PC	1/8"	3/16"	24,5	14
450	NPTM0204PC	1/8"	1/4"	24,5	14
415	NPTM0403PC	1/4"	3/16"	29,1	14
450	NPTM0404PC	1/4"	1/4"	27,5	14
350	NPTM0405PC	1/4"	5/16"	28,5	14
450	NPTM0406PC	1/4"	3/8"	29,3	17
350	NPTM0604PC	3/8"	1/4"	29,0	19
350	NPTM0605PC	3/8"	5/16"	29,3	19
450	NPTM0606PC	3/8"	3/8"	29,3	19
415	NPTM0608PC	3/8"	1/2"	29,0	19
350	NPTM0610PC	3/8"	5/8"	34,3	22
415	NPTM0804PC	1/2"	1/4"	34,6	22
	NPTM0806PC	1/2"	3/8"	35,1	22
	NPTM0808PC	1/2"	1/2"	34,5	22
	NPTM0810PC	1/2"	5/8"	39,4	22
	NPTM0812PC	1/2"	3/4"	38,1	27
350	NPTM1208PC	3/4"	1/2"	35,0	27
	NPTM1210PC	3/4"	5/8"	36,0	27
	NPTM1212PC	3/4"	3/4"	36,5	27
	NPTM1216PC	3/4"	1"	37,5	32
280	NPTM1612PC	1"	3/4"	43,5	36
	NPTM1616PC	1"	1"	44,5	36
	NPTM1620PC	1"	1"1/4"	47,0	41
210	NPTM2016PC	1"1/4"	1"	47,0	46
	NPTM2020PC	1"1/4"	1"1/4"	48,0	46
185	NPTM2424PC	1"1/2"	1"1/2"	49,0	50

MASCHIO JIC CONO 74°
JIC MALE 74° CONE
- AGJ -



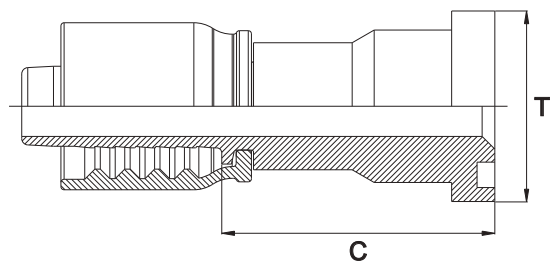
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
415	JM0703PC	7/16"	3/16"	28,1	14
	JM0704PC	7/16"	1/4"	27,5	14
450	JM0804PC	1/2"	1/4"	28,5	14
	JM0904PC	9/16"	1/4"	28,0	17
350	JM0905PC	9/16"	5/16"	27,9	17
450	JM0906PC	9/16"	3/8"	28,3	17
415	JM1206PC	3/4"	3/8"	30,5	22
	JM1208PC	3/4"	1/2"	30,0	22
350	JM1406PC	7/8"	3/8"	35,3	24
	JM1408PC	7/8"	1/2"	36,0	24
	JM1410PC	7/8"	5/8"	37,7	24
	JM1412PC	7/8"	3/4"	36,5	27
	JM1708PC	1" 1/16	1/2"	38,0	27
	JM1710PC	1" 1/16	5/8"	39,0	27
	JM1712PC	1" 1/16	3/4"	39,5	27
280	JM1716PC	1" 1/16	1"	42,5	32
	JM2112PC	1" 5/16	3/4"	41,0	36
	JM2116PC	1" 5/16	1"	43,8	36
	JM2616PC	1" 5/8	1"	45,5	46
210	JM2620PC	1" 5/8	1" 1/4	46,5	46
	JM3016PC	1" 7/8	1"	50,0	50
140	JM3020PC	1" 7/8	1" 1/4	51,0	50
	JM3024PC	1" 7/8	1" 1/2	51,5	50

FLANGIA SAE SERIE 3000 PSI
SAE STRAIGHT FLANGE 3000 PSI
- SFL -



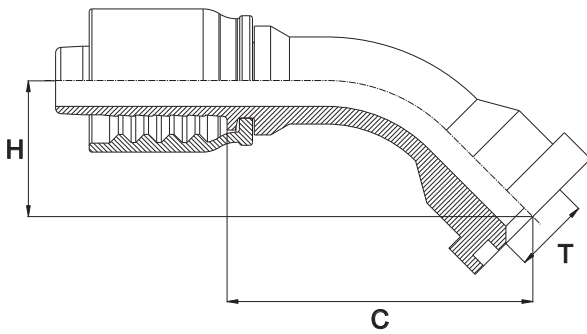
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
350	SSF30000808PC	1/2"	1/2"	30,2	43,0
	SSF30001208PC	3/4"	1/2"	38,1	47,0
	SSF30001210PC	3/4"	5/8"	38,1	48,5
	SSF30001212PC	3/4"	3/4"	38,1	47,5
	SSF30001610PC	1"	5/8"	44,5	54,5
	SSF30001612PC	1"	3/4"	44,5	53,5
280	SSF30001616PC	1"	1"	44,5	54,5
	SSF30002016PC	1"1/4	1"	50,8	56,5
210	SSF30002020PC	1"1/4	1"1/4	50,8	57,5
280	SSF30002416PC	1"1/2	1"	60,3	56,5
210	SSF30002420PC	1"1/2	1"1/4	60,3	62,5
185	SSF30002424PC	1"1/2	1"1/2	60,3	63,0

FLANGIA SAE SERIE 6000 PSI
SAE STRAIGHT FLANGE 6000 PSI
- SFS -



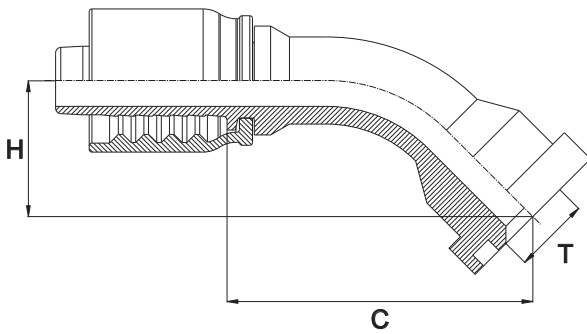
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off
415	SSF60000808PC	1/2"	1/2"	31,7	43,0
	SSF60001208PC	3/4"	1/2"	41,3	53,0
350	SSF60001210PC	3/4"	5/8"	41,3	54,5
	SSF60001212PC	3/4"	3/4"	41,3	53,5
	SSF60001610PC	1"	5/8"	47,6	59,5
	SSF60001612PC	1"	3/4"	47,6	58,5
280	SSF60001616PC	1"	1"	47,6	59,5
	SSF60002016PC	1,1/4"	1"	54,0	66,5
210	SSF60002020PC	1,1/4"	1,1/4"	54,0	67,5
280	SSF60002416PC	1"1/2	1"	-	72,5
210	SSF60002420PC	1"1/2	1"1/4	63,5	72,5
185	SSF60002424PC	1"1/2	1"1/2	63,5	73,0

FLANGIA 45° SAE SERIE 3000 PSI
45° SAE FLANGE 3000 PSI
- SFL 45° -



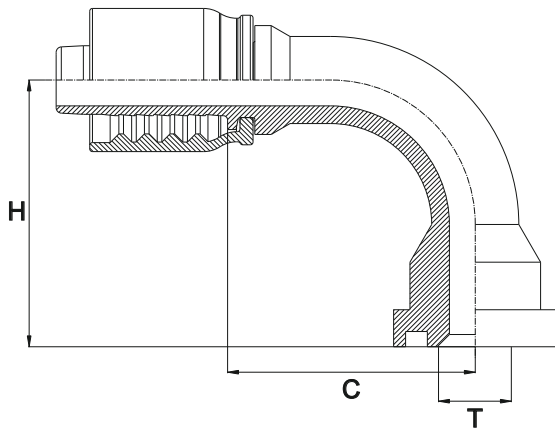
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	45SF30000808PC	1/2"	1/2"	30,2	63,5	23,0
	45SF30001208PC	3/4"	1/2"	38,1	65,7	24,0
	45SF30001210PC	3/4"	5/8"	38,1	69,0	37,0
	45SF30001212PC	3/4"	3/4"	38,1	81,0	31,0
	45SF30001612PC	1"	3/4"	44,5	81,5	31,5
280	45SF30001616PC	1"	1"	44,5	102,5	32,0
	45SF30002016PC	1"1/4	1"	50,8	-	-
210	45SF30002020PC	1"1/4	1"1/4	50,8	132,5	39,0
	45SF30002420PC	1"1/2	1"1/4	60,3	-	-
185	45SF30002424PC	1"1/2	1"1/2	60,3	171,0	46,0

FLANGIA 45° SAE SERIE 6000 PSI
45° SAE FLANGE 6000 PSI
- SFS 45° -



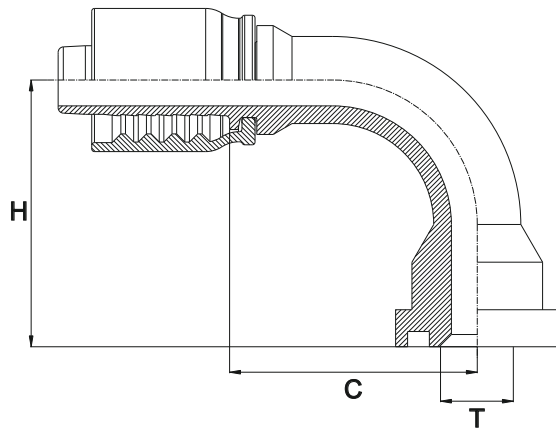
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
415	45SF60000808PC	1/2"	1/2"	31,7	67,0	25,0
	45SF60001208PC	3/4"	1/2"	41,3	-	-
350	45SF60001212PC	3/4"	3/4"	41,3	83,5	31,0
	45SF60001612PC	1"	3/4"	47,6	-	-
280	45SF60001616PC	1"	1"	47,6	-	-
	45SF60002016PC	1"1/4	1"	54,0	-	-
210	45SF60002020PC	1"1/4	1"1/4	54,0	128,5	36,0
	45SF60002420PC	1"1/2	1"1/4	63,5	-	-
185	45SF60002424PC	1"1/2	1"1/2	63,5	-	-

FLANGIA 90° SAE SERIE 3000 PSI
90° SAE FLANGE 3000 PSI
- SFL 90° -



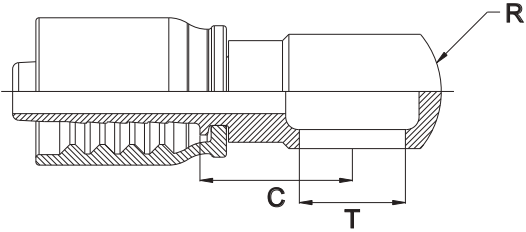
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
350	90SF30000808PC	1/2"	1/2"	30,2	41,0	50,5
	90SF30001208PC	3/4"	1/2"	38,1	-	-
	90SF30001210PC	3/4"	5/8"	38,1	58,0	52,0
	90SF30001212PC	3/4"	3/4"	38,1	51,0	61,5
	90SF30001612PC	1"	3/4"	44,5	50,0	65,0
280	90SF30001616PC	1"	1"	44,5	65,0	70,5
	90SF30002016PC	1" 1/4	1"	50,8	69,8	86,2
210	90SF30002020PC	1" 1/4	1" 1/4	50,8	83,0	95,0
	90SF30002420PC	1" 1/2	1" 1/4	60,3	84,2	99,0
185	90SF30002424PC	1" 1/2	1" 1/2	60,3	113,0	110,0

FLANGIA 90° SAE SERIE 6000 PSI
90° SAE FLANGE 6000 PSI
- SFS 90° -



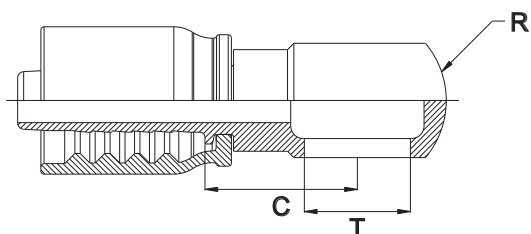
Bar W.P.	Codice Part Number	Flangia Flange	Ø Int. Tubo Inch. Hose I.D.	T	C Cut - Off	H Drop
415	90SF60000808PC	1/2"	1/2"	31,7	38,5	50,0
	90SF60001208PC	3/4"	1/2"	41,3	39,0	47,5
350	90SF60001212PC	3/4"	3/4"	41,3	49,0	63,0
	90SF60001612PC	1"	3/4"	47,6	51,5	59,5
280	90SF60001616PC	1"	1"	47,6	62,0	76,0
	90SF60002016PC	1" 1/4	1"	54,0	71,5	86,0
210	90SF60002020PC	1" 1/4	1" 1/4	54,0	82,0	95,0
	90SF60002420PC	1" 1/2	1" 1/4	63,5	-	-
185	90SF60002424PC	1" 1/2	1" 1/2	63,5	111,0	118,0

OCCHIO GAS
BSP BANJO
- RNR -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	R	C Cut - Off
300	BSPBJ0404PC	1/4"	1/4"	24,0	24,0
	BSPBJ0604PC	3/8"	1/4"	28,0	24,0
	BSPBJ0605PC	3/8"	5/16"	28,0	24,5
280	BSPBJ0606PC	3/8"	3/8"	28,0	24,0
	BSPBJ0806PC	1/2"	3/8"	38,0	27,5
200	BSPBJ0808PC	1/2"	1/2"	38,0	28,0
	BSPBJ1212PC	3/4"	3/4"	45,0	38,5
120	BSPBJ1616PC	1"	1"	58,0	51,5

OCCHIO METRICO
METRIC BANJO
- RNM -

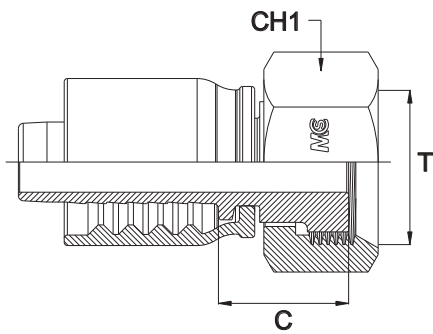


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	R	C Cut - Off
300	MBJ1204PC	12x1,5	1/4"	20,0	24,0
	MBJ1404PC	14x1,5	1/4"	24,0	24,0
	MBJ1405PC	14x1,5	5/16"	24,0	24,0
280	MBJ1406PC	14x1,5	3/8"	24,0	24,0
300	MBJ1605PC	16x1,5	5/16"	28,0	24,5
280	MBJ1606PC	16x1,5	3/8"	28,0	24,0
	MBJ1806PC	18x1,5	3/8"	32,0	24,0
250	MBJ1808PC	18x1,5	1/2"	32,0	28,0
200	MBJ2208PC	22x1,5	1/2"	36,0	28,0
	MBJ2612PC	26x1,5	3/4"	45,0	38,5
120	MBJ3012PC	30x1,5	3/4"	54,0	38,5

FEMMINA ORFS

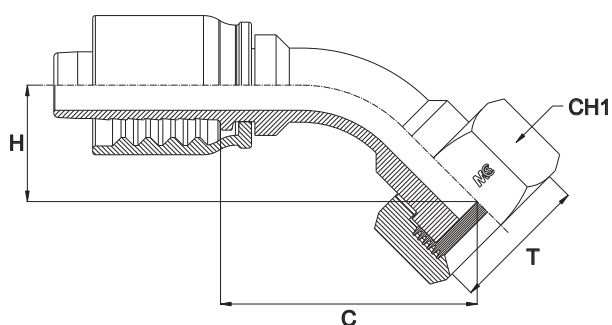
ORFS FEMALE

- ORFS -



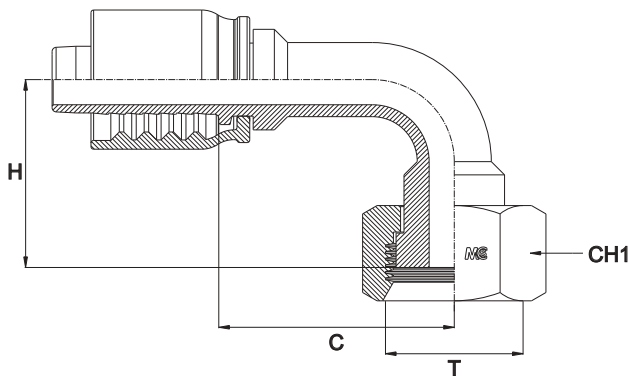
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	ORFSF0904PC	9/16"	1/4"	16,7	19
350	ORFSF0905PC	9/16"	5/16"	16,7	19
450	ORFSF1104PC	11/16"	1/4"	19,3	22
350	ORFSF1105PC	11/16"	5/16"	19,3	22
445	ORFSF1106PC	11/16"	3/8"	19,3	22
	ORFSF1306PC	13/16"	3/8"	-	24
415	ORFSF1308PC	13/16"	1/2"	-	24
	ORFSF1608PC	1"	1/2"	20,5	30
350	ORFSF1610PC	1"	5/8"	30,5	30
	ORFSF1612PC	1"	3/4"	30,5	30
415	ORFSF1908PC	1"3/16	1/2"	36,0	36
	ORFSF1912PC	1"3/16	3/4"	36,0	36
350	ORFSF2312PC	1"7/16	3/4"	37,0	41
280	ORFSF2316PC	1"7/16	1"	37,0	41
210	ORFSF2720PC	1"11/16	1"1/4	37,0	50
185	ORFSF3224PC	2"	1"1/2	-	60

FEMMINA 45° ORFS
45° ORFS FEMALE
- ORFS 45° -



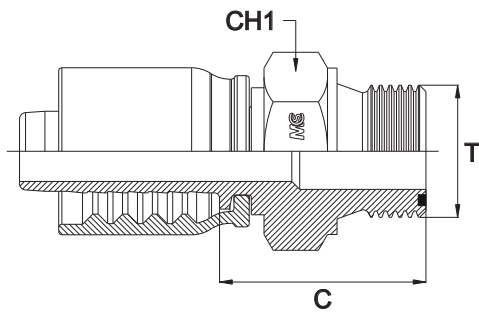
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	45ORFSF0904PC	9/16"	1/4"	39,5	18,5	19
	45ORFSF1104PC	11/16"	1/4"	-	-	22
350	45ORFSF1105PC	11/16"	5/16"	-	-	22
445	45ORFSF1106PC	11/16"	3/8"	52,5	22,0	22
	45ORFSF1306PC	13/16"	3/8"	-	-	24
415	45ORFSF1308PC	13/16"	1/2"	-	-	24
	45ORFSF1608PC	1"	1/2"	-	-	30
350	45ORFSF1610PC	1"	5/8"	-	-	30
	45ORFSF1912PC	1"3/16	3/4"	86,0	32,5	36
280	45ORFSF2312PC	1"7/16	3/4"	-	-	41
	45ORFSF2316PC	1"7/16	1"	108,0	42,0	41
210	45ORFSF2720PC	1"11/16	1"1/4	-	-	50
185	45ORFSF3224PC	2"	1"1/2	-	-	60

FEMMINA 90° ORFS
90° ORFS FEMALE
- ORFS 90° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
450	90ORFSF0904PC	9/16"	1/4"	21,5	28,5	19
350	90ORFSF0905PC	9/16"	5/16"	24,5	25,5	19
450	90ORFSF1104PC	11/16"	1/4"	37,0	36,8	22
350	90ORFSF1105PC	11/16"	5/16"	-	-	22
445	90ORFSF1106PC	11/16"	3/8"	34,0	37,7	22
	90ORFSF1306PC	13/16"	3/8"	-	-	24
415	90ORFSF1308PC	13/16"	1/2"	-	-	24
	90ORFSF1608PC	1"	1/2"	-	-	30
350	90ORFSF1610PC	1"	5/8"	46,0	49,5	30
	90ORFSF1910PC	1"3/16	5/8"	-	-	36
	90ORFSF1912PC	1"3/16	3/4"	53,5	60,5	36
	90ORFSF2312PC	1"7/16	3/4"	-	-	41
280	90ORFSF2316PC	1"7/16	1"	64,5	83,0	41
210	90ORFSF2720PC	1"11/16	1"1/4	81,0	97,5	50
185	90ORFSF3224PC	2"	1"1/2	-	-	60

MASCHIO ORFS
ORFS MALE
- ORFS -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
450	ORFSM0904PC	9/16"	1/4"	23,5	17
350	ORFSM1105PC	11/16"	5/16"	27,0	19
445	ORFSM1106PC	11/16"	3/8"	27,0	19
415	ORFSM1308PC	13/16"	1/2"	29,0	22
350	ORFSM1610PC	1"	5/8"	32,5	27
	ORFSM1912PC	1"3/16	3/4"	36,5	32
280	ORFSM2316PC	1"7/16	1"	40,5	41
210	ORFSM2720PC	1"11/16	1"1/4	41,5	46
185	ORFSM3224PC	2"	1"1/2	-	55

MCS

HYDRAULICS

Adattatori - Adaptors
BSI 5200 - Iso 8434-6



Collezione - Collection
2019

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Cod. BSPMA..

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ADATTATORE DIRITTO MASCHIO - Sede Piana
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Cod. BSPFSMA..

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ADATTATORE MASCHIO DIRITTO CON GUARNIZIONE
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Cod. BSPMA..V

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Cod. BSPMA..DV

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Cod. BSPMRA..

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ADATTATORE DIRITTO MASCHIO
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Cod. MMA.. - MMRA..

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ADATTATORE DIRITTO MASCHIO
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Cod. BSPTMA.. - BSPTMRA..

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ADATTATORE DIRITTO MASCHIO
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Cod. NPTMA.. - NPTMRA..

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ADATTATORE DIRITTO MASCHIO
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Cod. MBSPMA..

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ADATTATORE MASCHIO DIRITTO
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Cod. BSPNPTMA.. - BSPNPTMRA..

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ADATTATORE DIRITTO MASCHIO
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MALE STRAIGHT ADAPTOR
Thread BSP Taper/NPT

Cod. BSPTNPTMA..

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PASSAPARETE MASCHIO CON DADO
Filetto Gas Cilindrico
BULKHEAD UNION (WITH NUT)
Thread BSP Parallel

PASSAPARETE A 90° M. CON DADO
Filetto Gas Cilindrico
BULKHEAD MALE ELBOW (WITH NUT)
Thread BSP Parallel

Cod. BBSPMA..

Cod. LBSPMA..

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ADATTATORE DIRITTO FEMMINA
Filetto Gas Cilindrico
FEMALE UNION
Thread Bsp Parallel

Cod. BSPFFA.. - BSPFFRA..

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ADATTATORE DIRITTO FEMMINA
Filetto Metrico Cilindrico
FEMALE UNION
Thread Metric Parallel

Cod. MFFA..

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ADATTATORE DIRITTO FEMMINA
Filetto Gas Conico
FEMALE UNION
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Cod. BSPTFFA.. - BSPTFFRA..

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ADATTATORE DIRITTO FEMMINA
Filetto NPT
FEMALE UNION
Thread NPT

Cod. NPTFFA.. - NPTFFRA..

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ADATTATORE FEMMINA/FEMMINA
GIREVOLE
Filetto Gas Cilindrico
FEMALE SWIVEL ADAPTOR
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Cod. BSPSFA..

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PROLUNGA DIRITTA
MASCHIO/FEMMINA
Filetto Gas Cilindrico
MALE/FEMALE CONNECTOR
Thread BSP Parallel

Cod. BSPMFFA..

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**ADATTATORE DIRITTA
MASCIO/FEMMINA - SERIE LUNGA**
Filetto Gas Cilindrico
**MALE/FEMALE
CONNECTOR (LONG TYPE)**
Thread BSP Parallel

Cod. BSPMFFA..L

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**TAPPO DI RIDUZIONE
MASCIO/FEMMINA**
Filetto Gas Cilindrico
MALE/FEMALE REDUCING PLUG
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Cod. BSPMFRP..

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**PROLUNGA DIRITTA
MASCIO/FEMMINA**
Filetto Metrico Cilindrico
MALE/FEMALE CONNECTOR
Thread Metric Parallel

Cod. MMFFA..

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**PROLUNGA DIRITTA
MASCIO/FEMMINA - SERIE LUNGA**
Filetto Metrico Cilindrico
**MALE/FEMALE
CONNECTOR (LONG TYPE)**
Thread Metric Parallel

Cod. MMFFA..L

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**PROLUNGA DIRITTA
MASCIO/FEMMINA**
Filetto NPT
MALE/FEMALE CONNECTOR
Thread NPT

Cod. NPTMFFA..

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**ADATTATORE MASCIO/FEMMINA
GIREVOLE**
Filetto Gas Cilindrico
MALE/SWIVEL FEMALE CONNECTOR
Thread BSP Parallel

Cod. BSPMSFA..

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**ADATTATORE MASCIO/FEMMINA
GIREVOLE CON GUARNIZIONE**
Filetto Gas Cilindrico
**MALE/SWIVEL FEMALE CONNECTOR
WITH CAPTIVE SEAL**
Thread BSP Parallel

Cod. BSPMSFA..V

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**ADATTATORE MASCIO/FEMMINA
GIREVOLE**
Filetto Maschio NPT/Femmina NPSM
**MALE/SWIVEL FEMALE CONNECTOR
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Male Thread NPT/Female Thread NPSM

Cod. NPTMSFA..

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**ADATTATORE MASCIO/FEMMINA
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Cod. BSPTBSMSFA..

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**ADATTATORE MASCIO/FEMMINA
GIREVOLE**
Filetto Maschio NPT/
Femmina Gas Cilindrico
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Cod. NPTBSMSFA..

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**ADATTATORE A 90°
MASCIO INTERMEDIO**
Filetto Gas Cilindrico
MALE EQUAL ELBOW
Thread BSP Parallel

Cod. LBSPMA..

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**ADATTATORE A 90°
MASCIO INTERMEDIO**
Filetto Metrico Cilindrico
MALE EQUAL ELBOW
Thread Metric Parallel

Cod. LMMA..

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ADATT. A 90° E A T MASCHIO INTER.
Filetto Gas Conico
MALE EQUAL ELBOW AND TEE
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Cod. LBSPTMA..TBSPTMA..

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ADATT. A 90° E A T MASCHIO INTER.
Filetto NPT
MALE EQUAL ELBOW AND TEE
Thread NPT

Cod. LNPTMA..TNPTMA..

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ADATTATORE A 90°
MASCHIO DI ESTREMITÀ
Filetto Gas Cilindrico/Conico
MALE STUD ELBOW
Thread BSP Parallel/BSP Taper

Cod. LBSPBSPTMA..

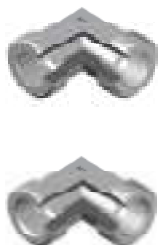
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ADATTATORE A 90°
MASCHIO DI ESTREMITÀ
Filetto Gas Cilindrico/NPT
MALE STUD ELBOW
Thread BSP Parallel/NPT

Cod. LBSPNPTMA..

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ADATTATORE A 90° FEMMINA
INTERMEDIO
Filetto Gas Cilindrico
Filetto NPT
FEMALE EQUAL ELBOW
Thread BSP Parallel
Thread NPT

Cod. LBSPFFA..
Cod. LNPTFFA..

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ADATTATORE A 90° ORIENTABILE
con o'ring e rondella speciale
Filetto Gas Cilindrico
ADJUSTABLE MALE STUD ELBOW
with o'ring and special washer
Thread BSP Parallel

Cod. LBSPMA..ADJ

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ADATTATORE A 90° FEMMINA
GIREVOLE
Filetto Gas Cilindrico
**SWIVEL FEMALE
EQUAL ELBOW**
Thread BSP Parallel

Cod. LBSPSFA..

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ADATTATORE A 90° FEMMINA
GIREVOLE
Filetto Metrico Cilindrico
**SWIVEL FEMALE
EQUAL ELBOW**
Thread Metric Parallel

Cod. LMSFA..

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ADATTATORE A 90°
FEMMINA/FEMMINA GIREVOLE
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Thread BSP Parallel

Cod. 90BSPSFA..

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ADATTATORE A 90°
MASCHIO/FEMMINA
Filetto Gas Cilindrico/Cilindrico
MALE/FEMALE STUD ELBOW
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Cod. LBSPMFFA..

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ADATTATORE A 90°
MASCHIO/FEMMINA
Filetto Gas Conico/Cilindrico
Filetto NPT/Gas Cilindrico
MALE/FEMALE STUD ELBOW
Thread BSP Taper/BSP Parallel
Thread NPT/BSP Parallel

Cod. LBSPTBSPMFA..
Cod. LNPTBSPMFA..

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ADATTATORE A 90° MASCHIO/
FEMMINA GIREVOLE
Filetto Gas Cilindrico
**MALE/SWIVEL FEMALE
STUD ELBOW**
Thread BSP Parallel

Cod. LBSPMSFA..

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**ADATTATORE A 90° MASCHIO
/FEMMINA GIREVOLE**
Filetto Metrico Cilindrico
**MALE/SWIVEL FEMALE
STUD ELBOW**
Thread Metric Parallel

Cod. LMMSFA..

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**ADATTATORE A 90° MASCHIO
/FEMMINA GIREVOLE**
Filetto Maschio Gas Conico
/Femmina Gas Cilindrico
**MALE/SWIVEL FEMALE
STUD ELBOW**
Male Thread BSP Taper
/Female Thread BSP Parallel
Cod. LBSPTBSPMSFA..

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**ADATTATORE A 90° MASCHIO
/FEMMINA GIREVOLE**
Filetto Maschio NPT
/Femmina Gas Cilindrico
**MALE/SWIVEL FEMALE
STUD ELBOW**
Male Thread NPT
/Female Thread BSP Parallel
Cod. LNPTBSPMSFA..

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**ADATTATORE A 90° MASCHIO
/FEMMINA GIREVOLE**
Filetto Gas Cilindrico
90° SWIVEL ELBOW MALE/FEMALE
Thread BSP Parallel

Cod. 90BSPMSFA..

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**ADATTATORE A "T"
INTERMEDIO MASCHIO**
Filetto Gas Cilindrico
MALE EQUAL TEE
Thread BSP Parallel

Cod. TBSPMA..

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**ADATTATORE A "T"
INTERMEDIO MASCHIO**
Filetto Metrico Cilindrico
MALE EQUAL TEE
Thread Metric Parallel

Cod. TMMA..

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**ADATTATORE A "T" MASCHIO DI
ESTREMITÀ LATERALE**
Filetto Gas Cilindrico/Conico
MALE STUD BARREL TEE
Thread BSP Parallel/BSP Taper

Cod. TLBSPBSPTMA..

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**ADATTATORE A "T" MASCHIO DI
ESTREMITÀ LATERALE**
Filetto Gas Cilindrico/NPT
MALE STUD BARREL TEE
Thread BSP Parallel/NPT

Cod. TLBSPNPTMA..

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**ADATTATORE A "T" MASCHIO DI
ESTREMITÀ CENTRALE**
Filetto Gas Cilindrico/Conico
MALE STUD BRANCH TEE
Thread BSP Parallel/BSP Taper

Cod. TCBSBSPSPTMA..

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**ADATTATORE A "T" MASCHIO DI
ESTREMITÀ CENTRALE**
Filetto Gas Cilindrico/NPT
MALE STUD BRANCH TEE
Thread BSP Parallel/NPT

Cod. TCBSPNPTMA..

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ADATTATORE A "T" INTER. FEMMINA
Filetto Gas Cilindrico
FEMALE EQUAL TEE
Thread BSP Parallel

Cod. TBSPFFA..

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ADATTATORE A "T" INTER. FEMMINA
Filetto NPT
FEMALE EQUAL TEE
Thread NPT

Cod. TNPTFFA..

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**ADATTATORE A "T" INTERMEDIO
FEMMINA GIREVOLE**
Filetto Gas Cilindrico
SWIVEL FEMALE EQUAL TEE
Thread BSP Parallel

Cod. TBSPSFA..

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**ADATTATORE A "T" INTERMEDIO
FEMMINA GIREVOLE**
Filetto Metrico Cilindrico
SWIVEL FEMALE EQUAL TEE
Thread Metric Parallel

Cod. TMSFA..

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**ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA**
Filetto Gas Conico/Cilindrico
MALE/FEMALE STUD BARREL TEE
Thread BSP Taper/BSP Parallel

Cod. TLBSPTBSPMFA..

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**ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA**
Filetto NPT/Gas Cilindrico
MALE/FEMALE STUD BARREL TEE
Thread NPT/BSP Parallel

Cod. TLNPTBSPMFA..

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**ADATTATORE A "T" CENTRALE
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Filetto Gas Conico/Cilindrico
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Thread BSP Taper/BSP Parallel

Cod. TCBSPTBSPMFA..

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**ADATTATORE A "T" CENTRALE
MASCHIO/FEMMINA**
Filetto NPT/Gas Cilindrico
MALE/FEMALE STUD BRANCH TEE
Thread NPT/BSP Parallel

Cod. TCNPTBSPMFA..

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**ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA GIREVOLE**
Filetto Gas Cilindrico
MALE/SWIVEL FEM. STUD BARREL TEE
Thread BSP Parallel

Cod. TLBSPMSFA..

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**ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA GIREVOLE**
Filetto Metrico Cilindrico
MALE/SWIVEL FEM. STUD BARREL TEE
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Cod. TLMMSFA..

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**ADATTATORE A "T" CENTRALE
MASCHIO/FEMMINA GIREVOLE**
Filetto Gas Cilindrico
MALE/SWIVEL FEM. STUD BRANCH TEE
Thread BSP Parallel

Cod. TCBSPMSFA..

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**ADATTATORE A "T" CENTRALE
MASCHIO/FEMMINA GIREVOLE**
Filetto Metrico Cilindrico
MALE/SWIVEL FEM. STUD BRANCH TEE
Thread Metric Parallel

Cod. TCMSMSFA..

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**ADATTATORE A CROCE
INTERMEDIO MASCHIO**
Filetto Gas Cilindrico
MALE EQUAL CROSS
Thread BSP Parallel

Cod. CRBSPMA..

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ADATTATORE A CROCE INT. FEMMINA
Filetto Gas Cilindrico
FEMALE EQUAL CROSS
Thread BSP Parallel

Cod. CRBSPFFA..

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TAPPO MASCHIO
Filetto Gas Cilindrico
MALE PLUG
Thread BSP Parallel

Cod. BSPMHP..

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TAPPO MASCHIO
Filetto Metrico Cilindrico
MALE PLUG
Thread Metric Parallel

Cod. MMHP..

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TAPPO MASCHIO
Filetto Gas Conico
MALE PLUG
Thread BSP Taper

Cod. MFHP..

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TAPPO MASCHIO
Filetto NPT
MALE PLUG
Thread NPT

Cod. NPTMHP..

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TAPPO FEMMINA FISSA
Filetto Gas Cilindrico
FIXED FEMALE PLUG
Thread BSP Parallel

Cod. BSPFHP..

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TAPPO FEMMINA FISSA
Filetto Metrico Cilindrico
FIXED FEMALE PLUG
Thread Metric Parallel

Cod. MFHP..

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TAPPO FEMMINA
GIREVOLE
Filetto Gas Cilindrico
SWIVEL FEMALE PLUG
Thread BSP Parallel

Cod. BSPSFHP..

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INFORMAZIONE SUI PRODOTTI E DATI GENERALI *General Information*

I raccordi M.C.S. Hydraulics a norme ISO 8434-6/BSI 5200 sono raccordi di tipo meccanico.

Questi raccordi garantiscono un perfetto collegamento tra circuiti fluidodinamici, grazie alla tenuta metallo su metallo di due superfici coniche.

La perfetta conicità delle svasature garantisce un'indeformabilità dei componenti. grazie a queste sue caratteristiche, questo raccordo può essere impiegato ovunque vengano richieste prestazioni importanti.

M.C.S. Hydraulics couplings, realized according to ISO 8434-6/BSI 5200, are mechanical couplings.

They guarantee a perfect connection among fluid-dynamic circuits, thanks to metal to metal sealing between two taper parallel couplings.

The perfect taper of the countersinks guarantees inalterability to the components. Thanks to its features, this coupling can be used in every important performance.

ACCIAI IMPIEGATI

Steel Used on all Series

Componenti <i>Components</i>	Materiale - Material		Normativa <i>Reference Norm.</i>
Anello - Ring	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Dado - Nut	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo da barra Straight Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo forgiato Forged Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088

TRATTAMENTO DI FINITURA

Cleaning Process

Processo di Lavaggio ad Ultrasuoni:

Tutti gli articoli prodotti dalla M.C.S. Hydraulics sono sottoposti ad un trattamento di lavaggio ed asciugatura ad ultrasuoni.

La M.C.S. Hydraulics utilizza un sistema di vasche di lavaggio ad ultrasuoni doppia frequenza con moduli di risciacquo ed asciugatura; le bolle di cavitazione generate dalle onde ultrasoniche, consentono la rimozione di impurità e residui, come polvere, olii, grassi, trucioli e bave di lavorazione che aderiscano alla superficie metallica, senza peraltro intaccare il materiale stesso.

La tecnologia del lavaggio con ultrasuoni è molto diffusa come sistema per la pulizia di gioielleria, nonché di dispositivi medici ed odontoiatrici e viene sempre più spesso utilizzata per il lavaggio industriale: al termine di tale processo il raccordo si presenta brillante, completamente pulito e sterilizzato e soprattutto si presta ad essere utilizzato per svariate applicazioni particolari.

Ultrasonic Cleaning:

Each item produced by M.C.S. Hydraulics is subjected to an ultrasonic cleaning treatment. M.C.S. employs a cleaning device that uses Ultrasonic dual frequency waves and an appropriate cleaning

solvent, to clean each and every product.

Cavitation bubbles induced by the Ultrasound waves, act on a number of contaminants (Such as dirt, dust, grease etc.) adhering to metal.

This action also penetrates blind holes, cracks, and recesses; the intention is to remove all traces of contamination from surface .

Ultrasonics are used for industrial cleaning, but also in many medical and dental techniques: at the end of this process, fittings are bright, completely cleaned, sterilized and ready to be used even for very particular applications.

LUBRIFICAZIONE DEI COMPONENTI

Lubrication of the components

Per un corretto impiego dei nostri adattatori, è necessario eseguire una corretta lubrificazione su tutti i componenti da montare. Il lubrificante che vi consigliamo rappresenta l'ultima generazione di lubrificanti sintetici, esso è costituito da particelle ultrafini di lubrificanti solidi inorganici, il tutto in un composto sintetico che vi permetterà di impiegarlo con temperature e pressioni estremamente elevate, infatti, non solidificherà nell'impiego tra -34°C e 1204°C e garantirà una tenuta ottimale fino a 4730 kg/cm². Inoltre, è ecologico in quanto non contiene metalli pesanti velenosi che danneggerebbero il personale che vi entrerebbe in contatto. Il nostro ufficio tecnico sarà a vostra completa disposizione per qualsiasi informazione tecnica relativa al suddetto lubrificante.

It is necessary a correct lubrication of each component to use our adapters correctly. The lubricant we recommend belongs to the latest generation of synthetic lubricants; it is formed by a synthetic compound of very small particles of solid inorganic lubricants. It can be used at extremely high temperatures and pressures; in fact it does not solidify between -34°C and 1204°C and it guarantees an optimum seal until 4730 kg/cm². Besides, it is ecological because it does not contain noxious heavy metal which could be dangerous for people who come in contact with it. Our technical office will be at your disposal for further technical information.

TABELLA COMPATIBILITÀ FLUIDI

Fluids Compatibility table

Fluido	Acciaio Inox	NBR	VITON®	Fluido	Acciaio Inox	NBR	VITON®
Acetilene	O	N	N	Gas Naturale Non Trattato	O	N	N
Acetone	O	N	N	Gasolio	O	O	O
Acido Cloridrico	S	N	O	Glicerina	O	O	O
Acido Fosforico	N	N	S	Glicole	O	O	O
Acido Nitrico	S	N	S	Idrogeno	O	O	O
Acido Solforico	S	N	O	Iodio	O	S	O
Acqua	S	N	O	Kerosene	O	O	O
Acqua Distillata	O	O	O	Metano	O	O	O
Acqua Marina	S	O	O	Metanolo	O	O	O
Acqua Ossigenata	O	N	O	Nafta	O	O	O
Acquaragia	O	O	O	Neon	O	O	O
Ammoniaca Gassosa, Fredda	O	O	N	Olio	O	O	O
Ammoniaca Liquida	O	S	N	Olio da Riscaldamento	O	O	N
Anidride Carbonica	O	O	S	Olio dei Freni	O	N	O
Argo	O	O	O	Olio della Trasmissione	O	O	O
Aria	O	O	O	Olio Minerale	O	O	O
Aria compressa	O	O	O	Olio Minerale Naturale	O	S	O
ASTM-Oil, 1	O	O	O	Olio per Comandi Idraulici	O	O	O
ASTM-Oil, 2	O	O	O	Olio Vegetale	O	O	O
ASTM-Oil, 3	O	O	O	Ossido di Carbonio	O	O	N
Azoto	O	O	O	Ossigeno	O	N	O
Benzene	O	N	O	Ozono	O	N	O
Biossido di Zolfo	O	N	O	Pentano	O	O	O
Bisolfuro di Carbonio	O	N	O	Pentano Liquido	O	O	O
Butano	O	O	O	Propano	O	O	O
Cloro	O	N	O	Silicone	O	O	O
Elio	O	O	O	Stirene	O	S	O
Etano	O	O	N	Toluolo	O	N	S
Etere	O	O	N	Trielina	S	N	S
Gas Combustibile	O	O	S	Vapore	O	N	N
Gas Naturale	O	O	O	Xilolo	O	N	O

Legenda: O = Ottimo; S = Sufficiente; N = Non Raccomandato.

Legend : O = Excellent ; S = Sufficient ; N = Not Recommended

VITON® è un marchio registrato dalla DuPont Dow Elastomers

VITON® is a DuPont Dow Elastomers Trade Mark

TUBI IN ACCIAIO INOSSIDABILE CONSIGLIATI

Recommended Stainless Steel Tubes

Si consiglia l'uso di tubi in acciaio inossidabile calibrati e lucidati, trafilati a freddo senza saldatura, in AISI 316 Ti secondo la norma DIN 17458 o ASTM A269, con durezza massima sul diametro esterno di 85HRB. Le pressioni indicate nella tabella a seguire sono state rilevate in condizioni di carico costante e temperatura compresa tra i -20°C e i 120°C

The use of seamless stainless steel Aisi 316Ti (EN 1.4571) cold drawn, brightened tubes, according to DIN 17458 or ASTM A269, with maximum hardness on outer diameter of 85HRB is recommended. Pressure shown in the following table has been noticed in conditions of constant load and temperature between -20°C and 120°C.

Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-1 Statico bar	Peso Kg/m	Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-1 Statico bar	Peso Kg/m		
4	±0,1	0,5	326	0,048	18	±0,08	1,5*	245	0,619		
		1	544	0,076			2	326	0,801		
6	±0,1	1	406	0,125			2,5	409	0,971		
		1,5	572	0,169			3	426	1,128		
8	±0,1	2	721	0,200			20	±0,08	2**	294	0,902
		1	347	0,225					2,5	368	1,095
		1,5	449	0,244	3	389			1,277		
		2	572	0,301	3,5	444			1,446		
		2,5	686	0,344	4	498			1,602		
		1	294	0,225	2**	267			1,001		
10	±0,1	1,5	389	0,319	22	±0,08	2,5	334	1,220		
		2	498	0,401			3	401	1,427		
		2,5	601	0,469			2**	236	1,151		
		3	694	0,526			2,5	294	1,408		
12	±0,08	1*	245	0,275	25	±0,08	3	352	1,653		
		1,5	368	0,394			4	411	2,104		
		2	426	0,500			4,5	456	2,310		
		2,5	516	0,595	2**		210	1,301			
		3	601	0,676	28		±0,08	2,5	263	1,596	
		3,5	679	0,745				3	315	1,878	
1,5	315	0,469	2**	175		1,402					
14	±0,08	2	420	0,601	30	±0,08	2,5	245	1,721		
		2,5	452	0,720			3	294	2,028		
		3	529	0,826			4	392	2,604		
		3,5	601	0,920			2**	168	2,222		
		1,5	294	0,507			35	±0,15	2,5	210	2,034
2	392	0,651	3	252	2,403						
3	498	0,902	4	336	3,104						
16	±0,08	1,5**	275	0,544	38	±0,15	3**	232	2,628		
		2	368	0,702			4	310	3,405		
		2,5	402	0,845			5	387	4,131		
		3	471	0,977			3**	210	2,929		
					42	±0,2	4	280	3,806		

* Per tubi a norma DIN 2353 utilizzare la boccia di rinforzo adeguata.

** Utilizzare solo con raccordi a norma SAE J514.

*For tubes according to DIN 2353 it is necessary to use a support sleeve.

**You must use them only with fittings according to SAEJ514.

GUARNIZIONI IMPIEGATE

Sealing Materials :

Le guarnizioni impiegate, possono essere sia in NBR ed hanno una temperatura di esercizio compresa tra i -35°C ed i 100°C e durezza 85±5 Shore, sia in VITON® se dovessero sostenere temperature di esercizio più elevate comprese tra i -25°C ed i 200°C e durezza 80±5 Shore. Tali prodotti devono essere stoccati secondo la norma DIN 7716 (Requisiti per l'immagazzinamento di prodotti in gomma e caucciù).

Seals used can be in NBR (Nitrile Rubber), so they have an operating temperature from -35°C to 100°C and hardness 85± 5 Shore, and in Viton® in case they are used for highest temperature from -25°C to 200°C and hardness 80±5 Shore. These products must be stored according to DIN 7716 (This is essential for the stocking of rubber products).

TEMPERATURE AMMESSE E RIDUZIONI DI PRESSIONE

Pressure reductions and Temperature

Acciaio inossidabile da -60°C a 200°C secondo ISO 8434.

La riduzione della pressione di esercizio sui raccordi in acciaio inossidabile 1.4571 deve essere applicata in funzione della temperatura di esercizio riscontrata, secondo la NORMA ISO 8434. In caso di sistema con più componenti i parametri devono essere calcolati sul componente più debole.

Stainless steel from -60°C to 200°C according to ISO 8434.

The reduction of the operating pressure on stainless steel fittings 14571 must be applied according to the operating temperature, in accordance with ISO 8434. For systems consisting of more components the parameters must be calculated on the weakest component.

<i>Tipo di acciaio impiegato</i> Type of Steel used	<i>Temperatura di esercizio</i> Operating temperature	<i>Riduzione della pressione di esercizio</i> Oper. Press.Reduc.
1,4571	≥ 50°C	-4%
1,4571	≥100°C	-11%
1,4571	≥200°C	-20%

RESPONSABILITÀ

Liability

PRESCRIZIONI DA RISPETTARE

Warning

- *Rispettare tutte le indicazioni di montaggio contenuto in questo catalogo.*
 - *Utilizzare per le connessioni, tubi di qualità come da «tabella tubi consigliati»*
 - *Sui tubi a pareti sottili applicare boccole di rinforzo.*
 - *Utilizzare solo componenti M.C.S. per le connessioni e non alterare il prodotto originale M.C.S. .*
 - *Lubrificare sempre tutti i componenti come indicato nelle istruzioni di montaggio.*
 - *Rispettare la pressioni e le temperature indicate nel catalogo.*
 - *Il non utilizzo delle suddette prescrizioni, oltre ad alterare la sicurezza funzionale dei nostri prodotti, esclude tutti i diritti di garanzia.*
- *Observe assembly instructions contained in this catalogue;*
 - *Observe Tube Recommendations (See page 5: Recommended stainless steel tubes);*
 - *In case of assembly with thin walled tubes, apply support sleeves;*
 - *For complete safety, use only M.C.S. components; do not alter/modify M.C.S.'s products;*
 - *Components must be lubricated as seen in the Assembly Instructions section;*
 - *Observe pressure and temperatures as indicated;*
 - *There is no functional safety of our products and no warranty rights without observing the above described instructions.*

RESPONSABILITÀ PRODOTTO

Product Liability

I prodotti M.C.S. sono garantiti esenti da difetti di lavorazione e di materiale. Tale garanzia verrà applicata al prodotto effettivamente difettoso che presenti non conformità o mal funzionamenti non riscontrabili al momento dell'acquisto, purché lo stesso sia utilizzato esattamente come riportato nelle nostre istruzioni di montaggio e comunque entro e non oltre sei mesi dalla data di acquisto del materiale.

M.C.S.'s products are guaranteed without manufacturing or material fault. This warranty will be applied to the product effectively faulty, which presents a bad functioning not showed at the moment of the purchase and only if it has been used as recommended in our assembly instructions and within six months after the purchase date.

COLLAUDO Testing

I raccordi M.C.S. sono costruiti rispettando integralmente la norma ISO 8434-2 di riferimento. Le pressioni riportate nel presente catalogo sono quelle massime consentite collaudate con un fattore di sicurezza 4:1 sia per le connessioni tubo-tubo, che per i terminali cilindrici con guarnizione incassata. Il fattore di sicurezza scende a 2.5:1 sui terminali cilindrici con tenuta in metallo su metallo e sui terminali a filettatura conica. Inoltre tutta la gamma di adattatori prodotta dalla M.C.S. Hydraulics è stata collaudata fino alla pressione di scoppio del tubo rigido. La M.C.S. Hydraulics S.r.l. dispone, per le prove interne, di un banco per prove in pressioni di tubi che consente di eseguire test di tenuta, scoppio ed a pressione pulsante fino a 4000 Bar; su richiesta è possibile effettuare il collaudo dei componenti ordinati ed ottenere il rilascio del certificato delle prove eseguite secondo la ISO 8434-5: è possibile infine richiedere che tali prove vengano eseguite alla presenza di ispettori di Enti Certificatori; tra i quali si citano (a titolo esemplificativo e non esaustivo): Rina, Lloyd's, Register, DNV etc.

M.C.S.'s Din compression couplings are completely manufactured in accordance with ISO 8434-2 standards.

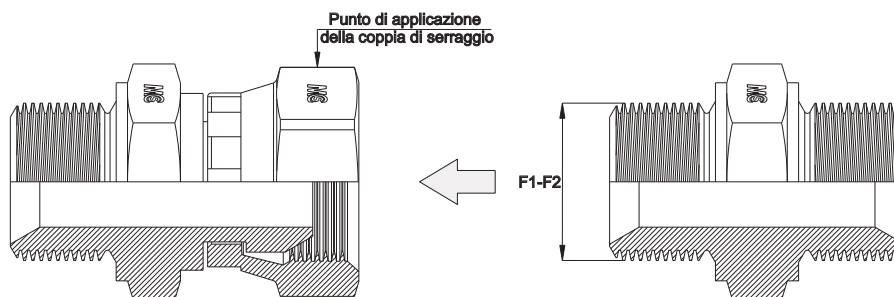
Pressure values shown in this catalogue are those maximum allowed and tested considering the security factor 4:1, it is intended for tube to tube connections and parallel stud couplings with captive seal. The security factor is 2.5:1 for metal to metal sealing parallel and taper parallel threaded stud couplings. Besides, all couplings manufactured by M.C.S. Hydraulics have been tested up to tube burst pressure.

A test bench is available to provide in-house static, burst and pulsing pressure tests up to 4000 Bar. On request it is possible to test the components and to issue certificates according to ISO 8434-5.

It is also possible to have these tests performed in the presence of qualified inspectors: Rina, Lloyd's Register, DNV for instance.

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi su Tubazioni - Nut on Tube



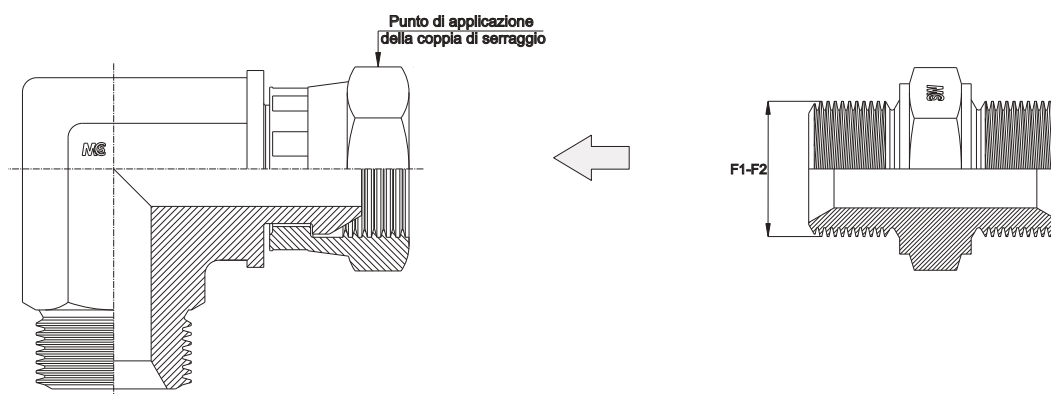
F1	N MAX (Nm)	F2	N MAX (Nm)	TUBO
1/8"	14	10x1	14	6
1/4"	20	12x1,5	20	8
3/8"	35	14x1,5	35	10
1/2"	60	16x1,5	60	12
5/8"	70	18x1,5	70	16
3/4"	110	22x1,5	110	18
1"	140	27x1,5	170	25
1" 1/4	190	33x2	290	32
1" 1/2	290	42x2	310	38

F1 - Filetto Gas Cilindrico - Thread BSP Parallel

F2 - Filetto Metrico Cilindrico - Thread Metric Parallel

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Girevoli - Swivel Fittings



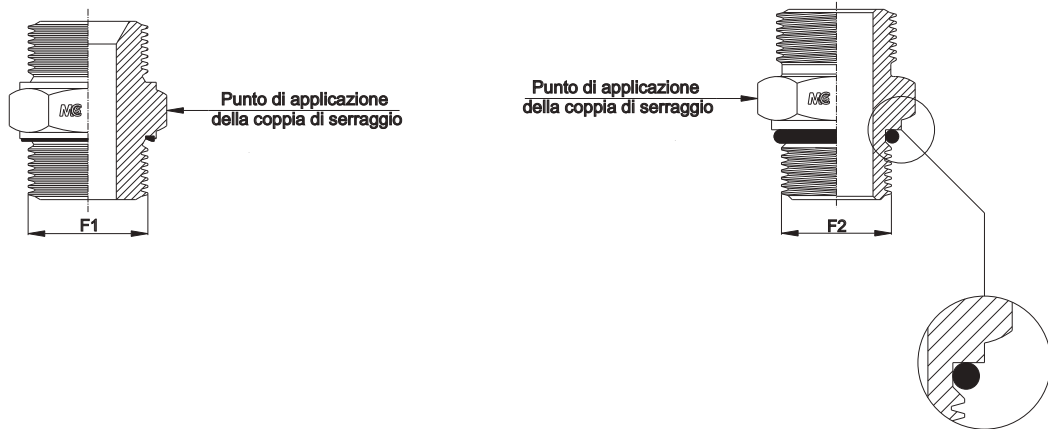
F1	N MAX (Nm)	F2	N MAX (Nm)
1/8"	10	10x1	10
1/4"	20	12x1,5	20
3/8"	35	14x1,5	35
1/2"	60	16x1,5	60
5/8"	70	18x1,5	70
3/4"	115	20x1,5	70
1"	140	22x1,5	115
1" 1/4	210	26x1,5	130
		27x1,5	140
		28x1,5	150
		30x1,5	190
		33x2	210

F1 - Filetto Gas Cilindrico - Thread BSP Parallel

F2 - Filetto Metrico Cilindrico - Thread Metric Parallel

COPPIE DI SERRAGGIO - Assembly Torques

Filetto Gas Cilindrico Filetto UNF/UN-2A

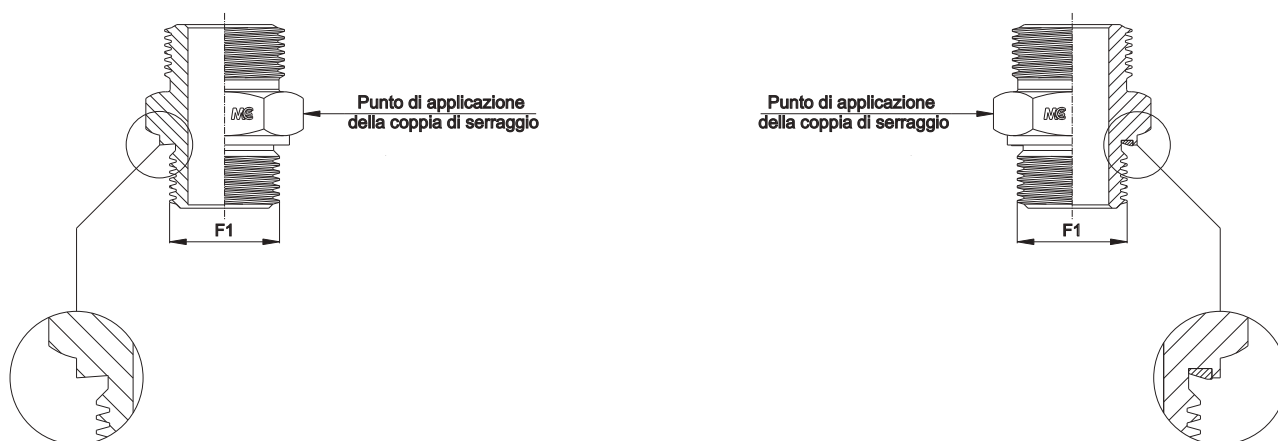


F1	N MAX (Nm)	F2	N MAX (Nm)
1/8"	20	7/16"	20
1/4"	45	1/2"	25
3/8"	70	9/16"	30
1/2"	85	3/4"	45
3/4"	170	7/8"	55
1"	330	1" 1/16"	85
1" 1/4"	430	1" 5/16"	130
1" 1/2"	510	1" 5/8"	170

F1 - Filetto Gas Cilindrico - Thread BSP Parallel
 F2 - Filetto UNF/UN-2A - Thread UNF/UN-2A

COPPIE DI SERRAGGIO - Assembly Torques

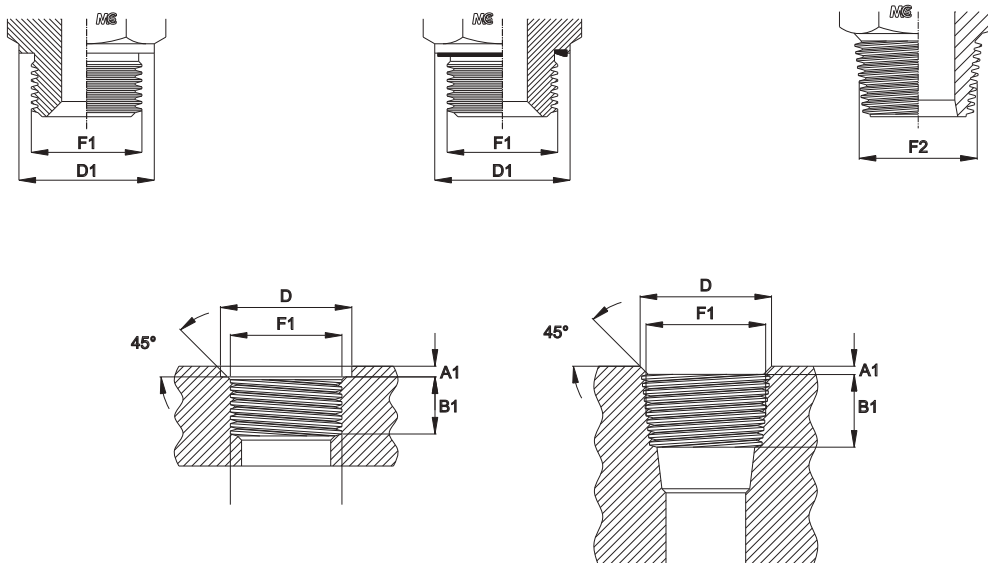
Filetto Metrico Cilindrico



F1	N MAX (Nm)
10x1	20
12x1,5	30
14x1,5	45
16x1,5	55
18x1,5	80
20x1,5	-
22x1,5	120
27x1,5	170
33x2	330
42x2	-

F1 - Filetto Metrico Cilindrico - Thread Metric Parallel

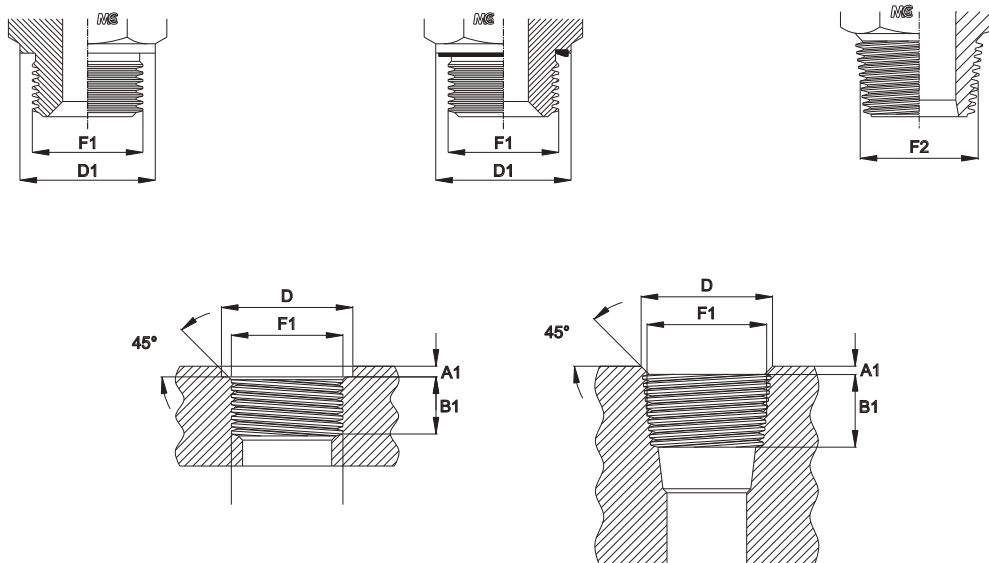
SEDI E FILETTATURE BSP THREAD COUPLING - BSP THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
1/8"	1/8"	1	8	15	14	14	5,5	6	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	10	L
3/8"	3/8"	1,5	12	23	22	22	8,5	12	L
1/2"	1/2"	2	12	27	26	26,9	10,5	15	L
1/2"	1/2"	2,5	14	27	26	26,9	10,5	18	L
3/4"	3/4"	2,5	16	33	32	32	13	22	L
1"	1"	2,5	18	40	39	39,9	16	28	L
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	35	L
1" 1/2	1" 1/2	2,5	22	56	55	55	17	42	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	6	S
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	S
3/8"	3/8"	1,5	12	23	22	22	8,5	10	S
3/8"	3/8"	2	12	23	22	22	8,5	12	S
1/2"	1/2"	2	14	27	26	26,9	10,5	14	S
1/2"	1/2"	2,5	14	27	26	26,9	10,5	16	S
3/4"	3/4"	2,5	16	33	32	32	13	20	S
1"	1"	2,5	18	40	39	39,9	16	25	S
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	30	S
1" 1/2	1" 1/2	2,5	22	56	55	55	17	38	S

F1 - Filetto Gas Cilindrico - Thread BSP Parallel
F2 - Filetto Gas Conico - Thread BSP Taper

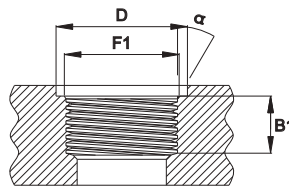
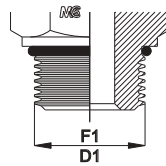
SEDI E FILETTATURE METRICHE THREAD COUPLING - METRIC THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
10x1	10x1	1	8	15	14	14	5,5	6	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	8	L
14x1,5	14x1,5	1,5	12	20	19	19	8,5	10	L
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	12	L
18x1,5	18x1,5	2	12	24	23	23,9	8,5	15	L
22x1,5	22x1,5	2,5	14	28	27	27	10,5	18	L
26x1,5		2,5	16	32	31	31,9		22	L
33x2		2,5	18	40	39	39,9		28	L
42x2		2,5	20	50	49	49,9		35	L
48x2		2,5	22	56	55	55		42	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	6	S
14x1,5	14x1,5	1,5	12	20	19	19	8,5	8	S
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	10	S
18x1,5	18x1,5	2	12	24	23	23,9	8,5	12	S
20x1,5	20x1,5	2	14	26	25	25,9	10,5	14	S
22x1,5	22x1,5	2,5	14	28	27	27	10,5	16	S
27x2		2,5	16	33	32	32		20	S
33x2		2,5	18	40	39	39,9		25	S
42x2		2,5	20	50	49	49,9		30	S
48x2		2,5	22	56	55	55		38	S

F1 - Filetto Metrico Cilindrico - Thread Metric Parallel
F2 - Filetto Metrico Conico - Thread Metric Taper

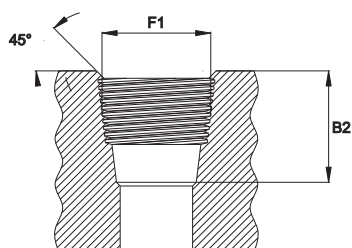
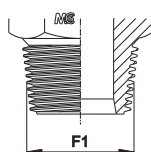
SEDI E FILETTATURE UNF/UN-2A THREAD COUPLING - UNF/UN-2A



F1	A1 MAX	B1 MIN	D	D1	a
7/16"	1,6	11,5	21	15,8	12°
1/2"	1,6	11,5	23	16,2	12°
9/16"	1,6	12,7	25	17,7	12°
3/4"	2,4	14,3	30	23	15°
7/8"	2,4	16,7	34	27	15°
1" 1/16	2,4	19	41	32	15°
1" 5/16	3,2	19	49	38,1	15°
1" 5/8	3,2	19	58	48	15°

F1 - UNF/UN-2A

SEDI E FILETTATURE NPT THREAD COUPLING - NPT



F1	B2 MIN
1/8"	1,6
1/4"	1,6
3/8"	1,6
1/2"	2,4
3/4"	2,4
1"	2,4
1" 1/4	3,2
1" 1/2	3,2

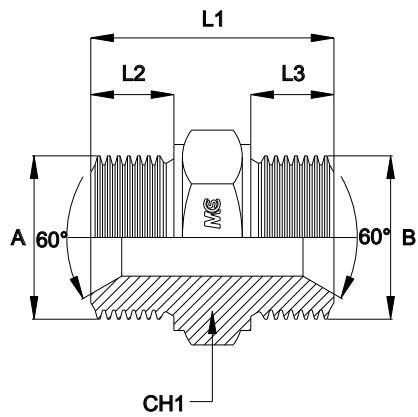
F1 - NPT

ADATTATORE DIRITTO MASCHIO

Filetto Gas Cilindrico

MALE STRAIGHT ADAPTOR

Thread BSP Parallel



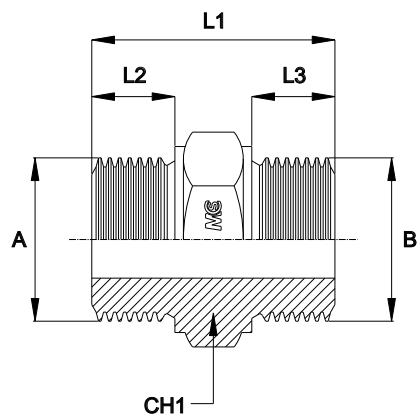
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPMA0202	1/8"	1/8"	25,0	8,0	8,0	14
	BSPMA0404	1/4"	1/4"	32,0	11,0	11,0	19
	BSPMA0606	3/8"	3/8"	35,0	12,0	12,0	22
350	BSPMA0808	1/2"	1/2"	39,0	14,0	14,0	27
	BSPMA1010	5/8"	5/8"	43,0	16,0	16,0	30
315	BSPMA1212	3/4"	3/4"	45,0	16,0	16,0	32
250	BSPMA1616	1"	1"	53,0	19,0	19,0	41
220	BSPMA2020	1" 1/4	1" 1/4	55,0	20,0	20,0	50
170	BSPMA2424	1" 1/2	1" 1/2	56,5	20,0	20,0	55
125	BSPMA3232	2"	2"	66,5	24,5	24,5	70
70	BSPMA4040	2" 1/2	2" 1/2	69,5	26,0	26,0	80
70	BSPMA4848	3"	3"	69,5	26,0	26,0	100

ADATTATORE DIRITTO MASCHIO - Sede Piana

Filetto Gas Cilindrico

MALE STRAIGHT ADAPTOR - Flat Seat

Thread BSP Parallel



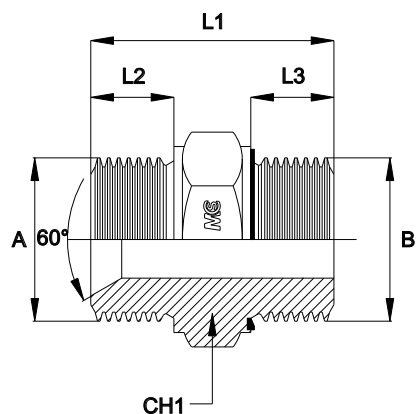
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPFSMA0202	1/8"	1/8"	25,0	8,0	8,0	14
	BSPFSMA0404	1/4"	1/4"	32,0	11,0	11,0	19
	BSPFSMA0606	3/8"	3/8"	35,0	12,0	12,0	22
350	BSPFSMA0808	1/2"	1/2"	39,0	14,0	14,0	27
	BSPFSMA1010	5/8"	5/8"	43,0	16,0	16,0	30
315	BSPFSMA1212	3/4"	3/4"	45,0	16,0	16,0	32
250	BSPFSMA1616	1"	1"	53,0	19,0	19,0	41
200	BSPFSMA2020	1" 1/4	1" 1/4	55,0	20,0	20,0	50
160	BSPFSMA2424	1" 1/2	1" 1/2	56,5	20,0	20,0	55
125	BSPFSMA3232	2"	2"	66,5	24,5	24,5	70

ADATTATORE MASCHIO DIRITTO CON GUARNIZIONE

Filetto Gas Cilindrico

MALE STRAIGHT ADAPTOR WITH CAPTIVE SEAL

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPMA0202V	1/8"	1/8"	25,0	8,0	8,0	14
	BSPMA0404V	1/4"	1/4"	32,0	11,0	11,0	19
	BSPMA0606V	3/8"	3/8"	35,0	12,0	12,0	22
350	BSPMA0808V	1/2"	1/2"	39,0	14,0	14,0	27
	BSPMA1010V	5/8"	5/8"	43,0	16,0	16,0	30
315	BSPMA1212V	3/4"	3/4"	45,0	16,0	16,0	32
250	BSPMA1616V	1"	1"	53,0	19,0	19,0	41
220	BSPMA2020V	1" 1/4	1" 1/4	55,0	20,0	20,0	50
170	BSPMA2424V	1" 1/2	1" 1/2	56,5	20,0	20,0	55
125	BSPMA3232V	2"	2"	66,5	24,5	24,5	70
70	BSPMA4040V	2" 1/2	2" 1/2	69,5	26,0	26,0	80

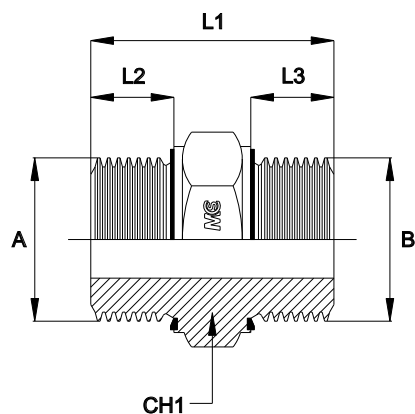
NOTE: VITON® è un marchio registrato dalla DuPont Dow Elastomers
 NOTE: VITON® is a DuPont Dow Elastomers Trade Mark

ADATTATORE MASCHIO DIRITTO CON DOPPIA GUARNIZIONE

Filetto Gas Cilindrico

MALE STRAIGHT ADAPTOR WITH DOUBLE CAPTIVE SEAL

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPMA0202DV	1/8"	1/8"	25,0	8,0	8,0	14
	BSPMA0404DV	1/4"	1/4"	32,0	11,0	11,0	19
	BSPMA0606DV	3/8"	3/8"	35,0	12,0	12,0	22
350	BSPMA0808DV	1/2"	1/2"	39,0	14,0	14,0	27
	BSPMA1010DV	5/8"	5/8"	43,0	16,0	16,0	30
315	BSPMA1212DV	3/4"	3/4"	45,0	16,0	16,0	32
250	BSPMA1616DV	1"	1"	53,0	19,0	19,0	41
220	BSPMA2020DV	1" 1/4	1" 1/4	55,0	20,0	20,0	50
170	BSPMA2424DV	1" 1/2	1" 1/2	56,5	20,0	20,0	55
125	BSPMA3232DV	2"	2"	66,5	24,5	24,5	70
70	BSPMA4040DV	2" 1/2	2" 1/2	69,5	26,0	26,0	80

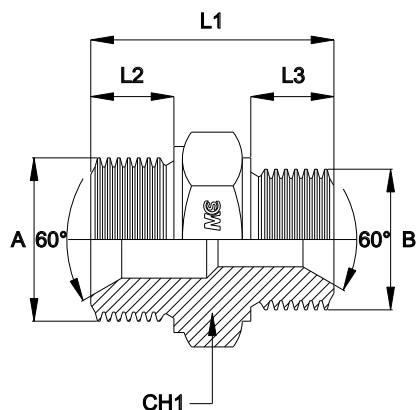
NOTE: VITON® è un marchio registrato dalla DuPont Dow Elastomers
 NOTE: VITON® is a DuPont Dow Elastomers Trade Mark

ADATTATORE MASCHIO DI RIDUZIONE

Filetto Gas Cilindrico

MALE STRAIGHT REDUCING ADAPTOR

Thread BSP Parallel



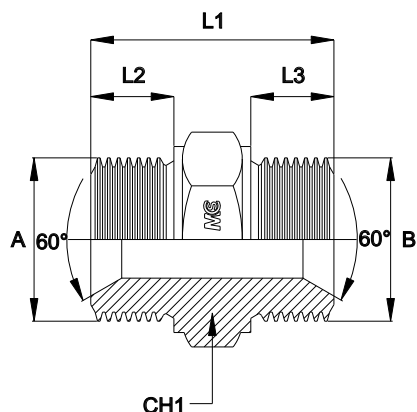
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPMRA0402	1/4"	1/8"	29,0	11,0	8,0	19
	BSPMRA0602	3/8"	1/8"	31,0	12,0	8,0	22
	BSPMRA0604	3/8"	1/4"	34,0	12,0	11,0	22
350	BSPMRA0802	1/2"	1/8"	33,0	14,0	8,0	27
	BSPMRA0804	1/2"	1/4"	36,0	14,0	11,0	27
	BSPMRA0806	1/2"	3/8"	38,0	14,0	12,0	27
	BSPMRA1006	5/8"	3/8"	39,0	16,0	12,0	30
315	BSPMRA1008	5/8"	1/2"	41,0	16,0	14,0	30
	BSPMRA1202	3/4"	1/8"	37,0	16,0	8,0	32
	BSPMRA1204	3/4"	1/4"	40,0	16,0	11,0	32
	BSPMRA1206	3/4"	3/8"	41,0	16,0	12,0	32
	BSPMRA1208	3/4"	1/2"	43,0	16,0	14,0	32
250	BSPMRA1210	3/4"	5/8"	45,0	16,0	16,0	32
	BSPMRA1604	1"	1/4"	44,5	19,0	11,0	41
	BSPMRA1606	1"	3/8"	45,5	19,0	12,0	41
	BSPMRA1608	1"	1/2"	47,5	19,0	14,0	41
	BSPMRA1610	1"	5/8"	49,5	19,0	16,0	41
220	BSPMRA1612	1"	3/4"	50,0	19,0	16,0	41
	BSPMRA2008	1" 1/4	1/2"	48,5	20,0	14,0	50
	BSPMRA2012	1" 1/4	3/4"	51,0	20,0	16,0	50
	BSPMRA2016	1" 1/4	1"	54,5	20,0	19,0	50
170	BSPMRA2408	1" 1/2	1/2"	50,5	20,0	14,0	55
	BSPMRA2412	1" 1/2	3/4"	52,5	20,0	16,0	55
	BSPMRA2416	1" 1/2	1"	55,8	20,0	19,0	55
	BSPMRA2420	1" 1/2	1" 1/4	56,5	20,0	20,0	55
125	BSPMRA3212	2"	3/4"	58,3	24,5	16,0	70
	BSPMRA3216	2"	1"	61,5	24,5	19,0	70
	BSPMRA3220	2"	1" 1/4	62,0	24,5	20,0	70
	BSPMRA3224	2"	1" 1/2	62,5	24,5	20,0	70
70	BSPMRA4032	2" 1/2	2"	68,0	26,0	24,5	80

ADATTATORE DIRITTO MASCHIO

Filetto Metrico Cilindrico

MALE STRAIGHT ADAPTOR

Thread Metric Parallel



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	MMA1212	12x1,5	12x1,5	34,0	12,0	12,0	17
	MMA1414	14x1,5	14x1,5	34,0	12,0	12,0	19
	MMA1616	16x1,5	16x1,5	34,0	12,0	12,0	22
	MMA1818	18x1,5	18x1,5	36,0	12,0	12,0	24
350	MMA2020	20x1,5	20x1,5	40,5	14,0	14,0	27
	MMA2222	22x1,5	22x1,5	41,0	14,0	14,0	27
315	MMA2424	24x1,5	24x1,5	41,0	14,0	14,0	30
	MMA2626	26x1,5	26x1,5	47,0	16,0	16,0	32
250	MMA2828	28x1,5	28x1,5	47,0	16,0	16,0	36
	MMA3030	30x1,5	30x1,5	48,0	16,0	16,0	36
200	MMA3838	38x1,5	38x1,5	50,0	16,0	16,0	46
160	MMA4545	45x1,5	45x1,5	52,0	16,0	16,0	55

Reducing Adaptor - Riduzioni

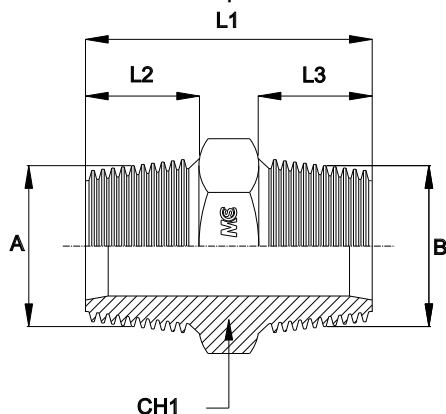
400	MMRA1214	12x1,5	14x1,5	34,0	12,0	12,0	19
	MMRA1416	14x1,5	16x1,5	34,0	12,0	12,0	22
	MMRA1418	14x1,5	18x1,5	36,0	12,0	12,0	24
	MMRA1618	16x1,5	18x1,5	36,0	12,0	12,0	24
350	MMRA1422	14x1,5	22x1,5	39,0	12,0	14,0	27
	MMRA1620	16x1,5	20x1,5	38,5	12,0	14,0	27
	MMRA1622	16x1,5	22x1,5	39,0	12,0	14,0	27
	MMRA1820	18x1,5	20x1,5	38,5	12,0	14,0	27
315	MMRA2022	20x1,5	22x1,5	41,0	14,0	14,0	27
	MMRA2226	22x1,5	26x1,5	44,5	14,0	16,0	32
250	MMRA2630	26x1,5	30x1,5	48,0	16,0	16,0	36
	MMRA3018	30x1,5	18x1,5	43,5	16,0	12,0	36
200	MMRA3038	30x1,5	38x1,5	50,0	16,0	16,0	46
160	MMRA3845	38x1,5	45x1,5	52,0	16,0	16,0	55

ADATTATORE DIRITTO MASCHIO

Filetto Gas Conico

MALE STRAIGHT ADAPTOR

Thread BSP Taper



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
350	BSPTMA0202	1/8"	1/8"	23,0	8,0	8,0	14
300	BSPTMA0404	1/4"	1/4"	32,0	13,0	13,0	14
280	BSPTMA0606	3/8"	3/8"	36,5	14,0	14,0	19
200	BSPTMA0808	1/2"	1/2"	43,5	17,0	17,0	22
	BSPTMA1212	3/4"	3/4"	45,0	17,5	17,5	27
120	BSPTMA1616	1"	1"	54,0	22,0	22,0	36
105	BSPTMA2020	1" 1/4	1" 1/4	59,0	24,0	24,0	46
	BSPTMA2424	1" 1/2	1" 1/2	59,5	24,0	24,0	50
70	BSPTMA3232	2"	2"	62,5	25,0	25,0	65

Reducing Adaptor - Riduzioni

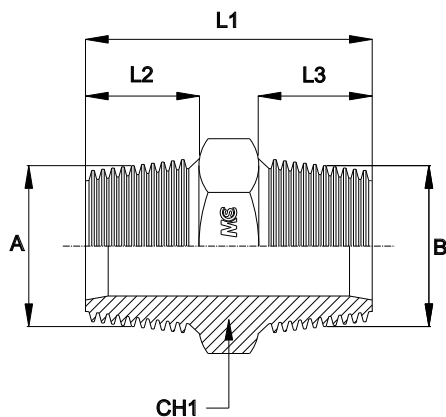
300	BSPTMRA0402	1/4"	1/8"	28,0	13,0	8,0	14
280	BSPTMRA0604	3/8"	1/4"	34,5	14,0	13,0	19
200	BSPTMRA0802	1/2"	1/8"	33,5	17,0	8,0	22
	BSPTMRA0804	1/2"	1/4"	38,5	17,0	13,0	22
	BSPTMRA0806	1/2"	3/8"	40,0	17,0	14,0	22
	BSPTMRA1206	3/4"	3/8"	41,5	17,5	14,0	27
	BSPTMRA1208	3/4"	1/2"	45,0	17,5	17,0	27
120	BSPTMRA1608	1"	1/2"	50,0	22,0	17,0	36
	BSPTMRA1612	1"	3/4"	49,0	22,0	17,5	36
105	BSPTMRA2016	1" 1/4	1"	57,0	24,0	22,0	46
	BSPTMRA2420	1" 1/2	1" 1/4	59,5	24,0	24,0	50
70	BSPTMRA3224	2"	1" 1/2	64,5	25,0	24,0	65

ADATTATORE DIRITTO MASCHIO

Filetto NPT

MALE STRAIGHT ADAPTOR

Thread NPT



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
350	NPTMA0202	1/8"	1/8"	27,0	10,0	10,0	14
	NPTMA0404	1/4"	1/4"	35,0	14,0	14,0	14
250	NPTMA0606	3/8"	3/8"	36,5	14,0	14,0	19
225	NPTMA0808	1/2"	1/2"	46,0	19,0	19,0	22
200	NPTMA1212	3/4"	3/4"	48,0	19,0	19,0	27
160	NPTMA1616	1"	1"	58,0	24,0	24,0	36
	NPTMA2020	1"1/4	1"1/4	60,5	24,5	24,5	46
	NPTMA2424	1"1/2	1"1/2	61,0	25,0	25,0	50
100	NPTMA3232	2"	2"	65,0	26,0	26,0	65

Reducing Adaptor - Riduzioni

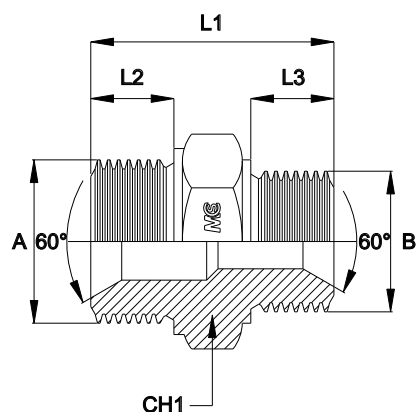
350	NPTMRA0402	1/4"	1/8"	31,0	14,0	10,0	14
250	NPTMRA0602	3/8"	1/8"	32,5	14,0	10,0	19
	NPTMRA0604	3/8"	1/4"	36,5	14,0	14,0	19
225	NPTMRA0802	1/2"	1/8"	38,5	19,0	10,0	22
	NPTMRA0804	1/2"	1/4"	42,5	19,0	14,0	22
	NPTMRA0806	1/2"	3/8"	41,0	19,0	14,0	22
200	NPTMRA1206	3/4"	3/8"	41,5	19,0	14,0	27
	NPTMRA1208	3/4"	1/2"	48,0	19,0	19,0	27
160	NPTMRA1608	1"	1/2"	49,0	19,0	19,0	36
	NPTMRA1612	1"	3/4"	49,0	19,0	19,0	36
	NPTMRA2016	1"1/4	1"	60,0	24,5	19,0	46
	NPTMRA2420	1"1/2	1"1/4	61,0	25,0	24,5	50
100	NPTMRA3224	2"	1"1/2	66,5	26,0	25,0	65

ADATTATORE DIRITTO MASCHIO

Filetto Gas Cilindrico/Metrico Cilindrico

MALE STRAIGHT ADAPTOR

Thread BSP Parallel/Metric Parallel



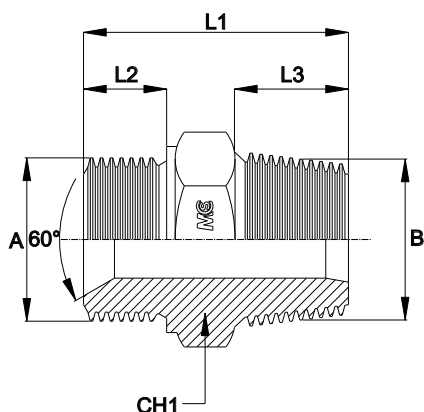
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	MBSPMA1204	12x1,5	1/4"	32,0	11,0	11,0	19
	MBSPMA1404	14x1,5	1/4"	33,0	12,0	11,0	19
	MBSPMA1606	16x1,5	3/8"	35,0	12,0	12,0	22
350	MBSPMA1608	16x1,5	1/2"	35,5	12,0	14,0	27
400	MBSPMA1806	18x1,5	3/8"	36,0	12,0	12,0	24
350	MBSPMA1808	18x1,5	1/2"	37,0	12,0	14,0	27
	MBSPMA2006	20x1,5	3/8"	38,5	14,0	12,0	27
	MBSPMA2008	20x1,5	1/2"	40,5	14,0	14,0	27
	MBSPMA2204	22x1,5	1/4"	38,0	14,0	11,0	27
	MBSPMA2206	22x1,5	3/8"	39,0	14,0	12,0	27
315	MBSPMA2208	22x1,5	1/2"	41,0	14,0	14,0	27
	MBSPMA2408	24x1,5	1/2"	41,0	14,0	14,0	27
	MBSPMA2412	24x1,5	3/4"	43,5	14,0	16,0	32
250	MBSPMA2612	26x1,5	3/4"	47,0	16,0	16,0	32
	MBSPMA3012	30x1,5	3/4"	48,0	16,0	16,0	36
200	MBSPMA3016	30x1,5	1"	50,0	16,0	19,0	41
	MBSPMA3816	38x1,5	1"	53,0	16,0	19,0	46
160	MBSPMA3820	38x1,5	1" 1/4	54,0	16,0	20,0	50
	MBSPMA4520	45x1,5	1" 1/4	56,0	16,0	20,0	55
	MBSPMA4524	45x1,5	1" 1/2	56,0	16,0	20,0	55
-	MBSPMA5224	52x1,5	1" 1/2	-	-	20,0	-
-	MBSPMA6532	65x2,0	2"	-	-	24,5	-

ADATTATORE MASCHIO DIRITTO

Filetto Gas Cilindrico/Conico

MALE STRAIGHT ADAPTOR

Thread BSP Parallel/BSP Taper



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
350	BSPBSPTMA0202	1/8"	1/8"	24,5	8,0	8,0	14
300	BSPBSPTMA0404	1/4"	1/4"	32,0	11,0	12,5	19
280	BSPBSPTMA0606	3/8"	3/8"	35,5	12,0	13,9	22
200	BSPBSPTMA0808	1/2"	1/2"	40,5	14,0	17,0	27
	BSPBSPTMA1212	3/4"	3/4"	45,0	16,0	17,5	32
120	BSPBSPTMA1616	1"	1"	54,5	19,0	22,0	41
105	BSPBSPTMA2020	1"1/4	1"1/4	57,0	20,0	24,0	50
	BSPBSPTMA2424	1"1/2	1"1/2	58,0	20,0	24,0	55
70	BSPBSPTMA3232	2"	2"	65,0	24,5	25,0	70
*	BSPBSPTMA4040	2"1/2	2"1/2	74,0	26,0	33,0	80

Reducing Adaptor - Riduzioni

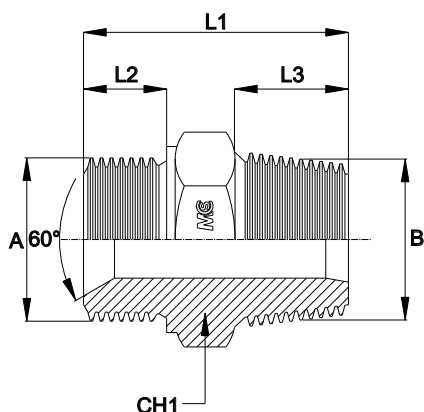
300	BSPBSPTMRA0204	1/8"	1/4"	29,5	8,0	13,0	19
280	BSPBSPTMRA0206	1/8"	3/8"	32,0	8,0	13,9	19
300	BSPBSPTMRA0402	1/4"	1/8"	27,5	11,0	8,0	19
280	BSPBSPTMRA0406	1/4"	3/8"	35,0	11,0	14,0	19
200	BSPBSPTMRA0408	1/4"	1/2"	39,0	11,0	17,0	22
280	BSPBSPTMRA0604	3/8"	1/4"	34,0	12,0	12,5	22
200	BSPBSPTMRA0608	3/8"	1/2"	40,0	12,0	17,0	22
	BSPBSPTMRA0612	3/8"	3/4"	41,0	12,0	17,5	27
	BSPBSPTMRA0802	1/2"	1/8"	32,5	14,0	8,0	27
	BSPBSPTMRA0804	1/2"	1/4"	36,5	14,0	13,0	22
	BSPBSPTMRA0806	1/2"	3/8"	37,5	14,0	14,0	27
	BSPBSPTMRA0812	1/2"	3/4"	41,0	14,0	17,5	27
	BSPBSPTMRA1206	3/4"	3/8"	41,0	16,0	14,0	32
120	BSPBSPTMRA1208	3/4"	1/2"	44,5	16,0	17,0	32
	BSPBSPTMRA1216	3/4"	1"	51,0	16,0	22,0	36
105	BSPBSPTMRA1612	1"	3/4"	49,0	19,0	17,5	41
	BSPBSPTMRA1620	1"	1"1/4	56,0	19,0	24,0	46
	BSPBSPTMRA2016	1"1/4	1"	55,0	20,0	22,0	50
	BSPBSPTMRA2024	1"1/4	1"1/2	58,0	20,0	24,0	50
70	BSPBSPTMRA2420	1"1/2	1"1/4	58,5	20,0	24,0	55
	BSPBSPTMRA2432	1"1/2	2"	61,0	20,0	25,0	70
	BSPBSPTMRA3224	2"	1"1/2	64,0	24,5	24,0	70

ADATTATORE MASCHIO DIRITTO

Filetto Gas Cilindrico/NPT

MALE STRAIGHT ADAPTOR

Thread BSP Parallel/NPT



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
350	BSPNPTMA0202	1/8"	1/8"	26,5	8,0	10,0	14
300	BSPNPTMA0404	1/4"	1/4"	33,5	11,0	14,0	19
280	BSPNPTMA0606	3/8"	3/8"	35,5	12,0	14,0	22
200	BSPNPTMA0808	1/2"	1/2"	42,5	14,0	19,0	27
	BSPNPTMA1212	3/4"	3/4"	46,0	16,0	19,0	32
120	BSPNPTMA1616	1"	1"	56,0	19,0	24,0	41
105	BSPNPTMA2020	1" 1/4	1" 1/4	57,5	20,0	24,5	50
	BSPNPTMA2424	1" 1/2	1" 1/2	59,5	20,0	25,0	55
70	BSPNPTMA3232	2"	2"	66,0	24,5	26,0	70

Reducing Adaptor - Riduzioni

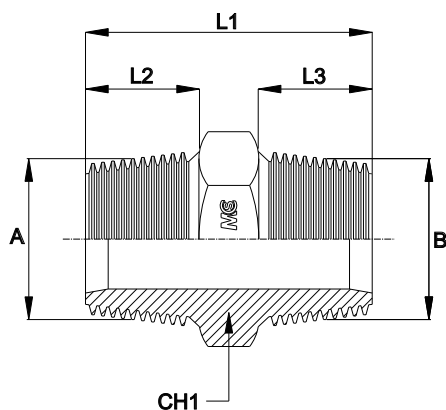
300	BSPNPTMRA0204	1/8"	1/4"	30,5	8,0	14,0	14
	BSPNPTMRA0402	1/4"	1/8"	29,5	11,0	10,0	19
280	BSPNPTMRA0406	1/4"	3/8"	34,5	11,0	14,0	19
200	BSPNPTMRA0408	1/4"	1/2"	41,0	11,0	19,0	22
300	BSPNPTMRA0604	3/8"	1/4"	35,5	12,0	14,0	22
200	BSPNPTMRA0608	3/8"	1/2"	42,0	12,0	19,0	22
	BSPNPTMRA0612	3/8"	3/4"	41,0	12,0	19,0	27
	BSPNPTMRA0804	1/2"	1/4"	37,5	14,0	14,0	27
	BSPNPTMRA0806	1/2"	3/8"	37,5	14,0	14,0	27
	BSPNPTMRA0812	1/2"	3/4"	43,0	14,0	19,0	27
	BSPNPTMRA1206	3/4"	3/8"	41,0	16,0	14,0	32
120	BSPNPTMRA1208	3/4"	1/2"	46,0	16,0	19,0	32
120	BSPNPTMRA1216	3/4"	1"	52,0	16,0	24,0	36
105	BSPNPTMRA1224	3/4"	1" 1/2	54,5	16,0	25,0	50
120	BSPNPTMRA1612	1"	3/4"	54,0	19,0	19,0	41
105	BSPNPTMRA1620	1"	1" 1/4	57,0	19,0	24,5	46
	BSPNPTMRA2016	1" 1/4	1"	56,0	20,0	19,0	50
	BSPNPTMRA2024	1" 1/4	1" 1/2	52,5	20,0	25,0	55
	BSPNPTMRA2420	1" 1/2	1" 1/4	59,5	20,0	24,5	55
70	BSPNPTMRA2432	1" 1/2	2"	61,5	20,0	26,0	65
	BSPNPTMRA3224	2"	1" 1/2	65,0	24,5	25,0	70

ADATTATORE DIRITTO MASCHIO

Filetto Gas Conico/NPT

MALE STRAIGHT ADAPTOR

Thread BSP Taper/NPT



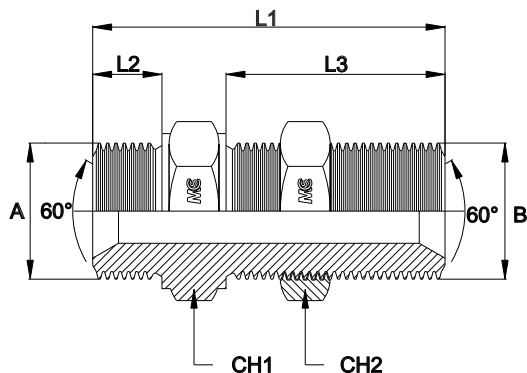
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
350	BSPTNPTMA0202	1/8"	1/8"	25,0	8,0	10,0	14
300	BSPTNPTMA0404	1/4"	1/4"	34,0	13,0	14,0	14
250	BSPTNPTMA0606	3/8"	3/8"	36,0	14,0	14,0	19
200	BSPTNPTMA0808	1/2"	1/2"	46,5	17,0	19,0	22
	BSPTNPTMA1212	3/4"	3/4"	46,0	17,5	19,0	27
120	BSPTNPTMA1616	1"	1"	57,0	22,0	24,0	36
105	BSPTNPTMA2020	1" 1/4	1" 1/4	60,0	24,0	24,5	46
	BSPTNPTMA2424	1" 1/2	1" 1/2	60,0	24,0	25,0	50
70	BSPTNPTMA3232	2"	2"	66,5	25,0	26,0	65

PASSAPARETE MASCHIO CON DADO

Filetto Gas Cilindrico

BULKHEAD UNION (WITH NUT)

Thread BSP Parallel



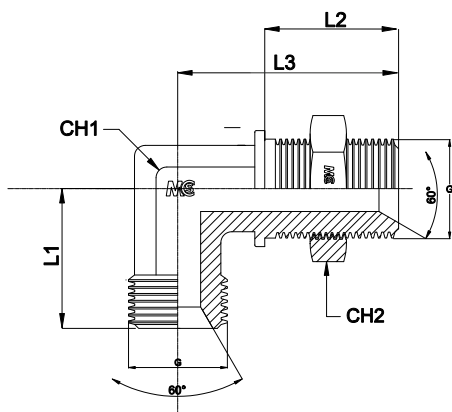
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
400	BBSPMA02	1/8"	1/8"	44,0	8,0	27,0	14	14
	BBSPMA04	1/4"	1/4"	50,0	11,0	28,0	19	19
	BBSPMA06	3/8"	3/8"	54,0	12,0	31,0	22	22
350	BBSPMA08	1/2"	1/2"	61,5	14,0	35,0	27	27
	BBSPMA10	5/8"	5/8"	66,0	16,0	38,0	30	30
315	BBSPMA12	3/4"	3/4"	66,0	16,0	38,0	32	32
250	BBSPMA16	1"	1"	72,0	19,0	41,0	41	41
220	BBSPMA20	1" 1/4	1" 1/4	79,0	20,0	45,0	50	50
170	BBSPMA24	1" 1/2	1" 1/2	86,7	20,0	52,5	55	55
125	BBSPMA32	2"	2"	93,0	24,5	52,5	70	70

PASSAPARETE A 90° MASCHIO CON DADO

Filetto Gas Cilindrico

BULKHEAD MALE ELBOW (WITH NUT)

Thread BSP Parallel



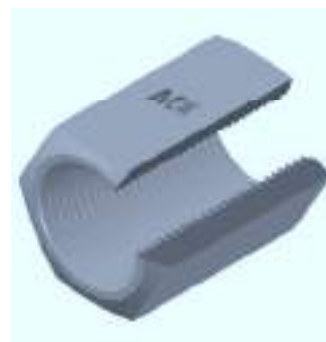
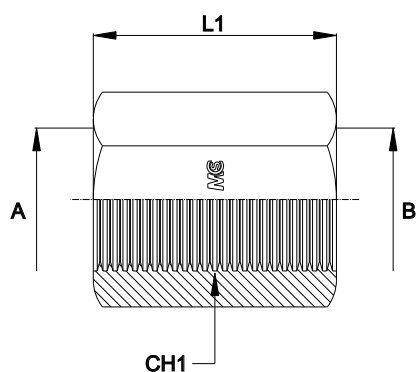
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
400	LBBSPMA02	1/8"	1/8"	21,0	28,0	41,0	12	14
	LBBSPMA04	1/4"	1/4"	26,0	28,0	45,0	14	19
	LBBSPMA06	3/8"	3/8"	29,0	32,0	52,0	19	22
350	LBBSPMA08	1/2"	1/2"	34,0	35,0	58,0	24	27
	LBBSPMA10	5/8"	5/8"	38,0	35,0	58,0	27	30
315	LBBSPMA12	3/4"	3/4"	41,0	38,0	65,0	27	32
250	LBBSPMA16	1"	1"	45,0	41,0	71,0	36	41
220	LBBSPMA20	1" 1/4	1" 1/4	52,0	44,0	79,0	41	50
170	LBBSPMA24	1" 1/2	1" 1/2	59,0	46,0	90,5	50	55

ADATTATORE DIRITTO FEMMINA

Filetto Gas Cilindrico

FEMALE UNION

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	L1	CH1
400	BSPFFA0202	1/8"	1/8"	25,0	17
	BSPFFA0404	1/4"	1/4"	26,0	19
	BSPFFA0606	3/8"	3/8"	31,0	22
350	BSPFFA0808	1/2"	1/2"	34,0	27
	BSPFFA1010	5/8"	5/8"	44,0	30
315	BSPFFA1212	3/4"	3/4"	34,5	32
250	BSPFFA1616	1"	1"	48,0	38
200	BSPFFA2020	1"1/4	1"1/4	47,0	50
160	BSPFFA2424	1"1/2	1"1/2	51,0	55
125	BSPFFA3232	2"	2"	58,0	70

Reducing Adaptor - Riduzioni

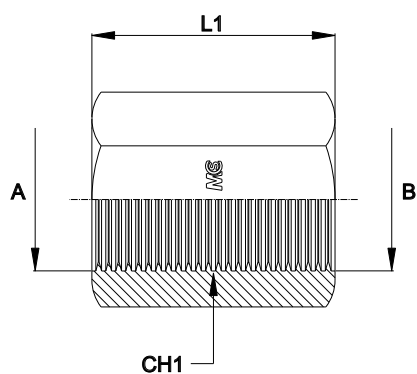
400	BSPFFRA0402	1/4"	1/8"	26,0	19
	BSPFFRA0602	3/8"	1/8"	30,0	22
	BSPFFRA0604	3/8"	1/4"	31,0	22
350	BSPFFRA0804	1/2"	1/4"	34,0	27
	BSPFFRA0806	1/2"	3/8"	34,0	27
	BSPFFRA1006	5/8"	3/8"	37,0	30
315	BSPFFRA1206	3/4"	3/8"	35,0	32
	BSPFFRA1208	3/4"	1/2"	35,0	32
250	BSPFFRA1606	1"	3/8"	39,0	38
	BSPFFRA1608	1"	1/2"	43,0	38
	BSPFFRA1612	1"	3/4"	43,0	38
200	BSPFFRA2016	1"1/4	1"	47,0	50
160	BSPFFRA2420	1"1/2	1"1/4	50,0	55
125	BSPFFRA3224	2"	1"1/2	57,0	70

ADATTATORE DIRITTO FEMMINA

Filetto Metrico Cilindrico

FEMALE UNION

Thread Metric Parallel



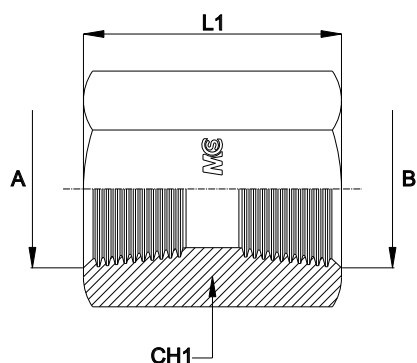
Bar W.P.	Codice Part Number	A	L1	L2	CH1
350	MFFA101	10x1,0	20,0	7,0	14
	MFFA1415	14x1,5	30,0	12,0	19
250	MFFA1615	16x1,5	30,0	12,0	24
225	MFFA2215	22x1,5	38,0	15,0	27
200	MFFA272	27x2,0	40,0	15,0	36
	MFFA332	33x2,0	48,0	19,0	38
	MFFA422	42x2,0	50,0	19,0	55
160	MFFA482	48x2,0	50,0	18,0	60

ADATTATORE DIRITTO FEMMINA

Filetto Gas Conico

FEMALE UNION

Thread BSP Taper



Bar W.P.	Codice Part Number	A	B	L1	CH1
350	BSPTFFA0202	1/8"	1/8"	24,0	17
300	BSPTFFA0404	1/4"	1/4"	32,0	19
280	BSPTFFA0606	3/8"	3/8"	32,0	22
200	BSPTFFA0808	1/2"	1/2"	40,0	27
	BSPTFFA1212	3/4"	3/4"	42,0	32
120	BSPTFFA1616	1"	1"	49,0	38
105	BSPTFFA2020	1" 1/4	1" 1/4	60,0	50
	BSPTFFA2424	1" 1/2	1" 1/2	60,0	55

Reducing Adaptor - Riduzioni

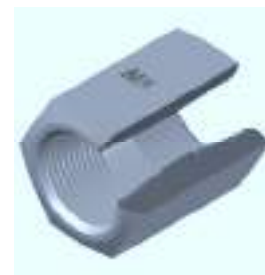
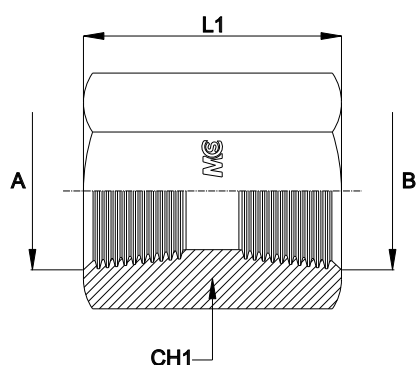
300	BSPTFFRA0204	1/8"	1/4"	28,0	19
	BSPTFFRA0206	1/8"	3/8"	28,0	22
280	BSPTFFRA0406	1/4"	3/8"	32,0	22
	BSPTFFRA0408	1/4"	1/2"	36,0	27
200	BSPTFFRA0412	1/4"	3/4"	37,0	32
	BSPTFFRA0608	3/8"	1/2"	36,0	27
	BSPTFFRA0812	1/2"	3/4"	41,0	32

ADATTATORE DIRITTO FEMMINA

Filetto NPT

FEMALE UNION

Thread NPT



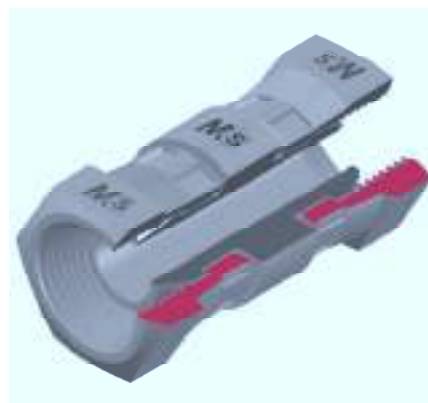
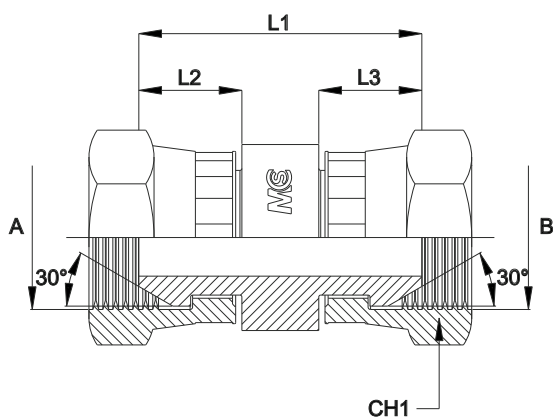
Bar W.P.	Codice Part Number	A	B	L1	CH1
350	NPTFFA0202	1/8"	1/8"	24,0	17
	NPTFFA0404	1/4"	1/4"	32,0	19
250	NPTFFA0606	3/8"	3/8"	32,0	22
225	NPTFFA0808	1/2"	1/2"	40,0	27
200	NPTFFA1212	3/4"	3/4"	46,0	32
160	NPTFFA1616	1"	1"	52,0	38
	NPTFFA2020	1"1/4	1"1/4	60,0	50
	NPTFFA2424	1"1/2	1"1/2	60,0	55
Reducing Adaptor - Riduzioni					
350	NPTFFRA0204	1/8"	1/4"	28,0	19
250	NPTFFRA0206	1/8"	3/8"	28,0	22
	NPTFFRA0406	1/4"	3/8"	32,0	22
225	NPTFFRA0408	1/4"	1/2"	37,0	27
200	NPTFFRA0412	1/4"	3/4"	37,0	32
225	NPTFFRA0608	3/8"	1/2"	37,0	27
200	NPTFFRA0812	1/2"	3/4"	42,0	32

ADATTATORE FEMMINA/FEMMINA GIREVOLE

Filetto Gas Cilindrico

FEMALE SWIVEL ADAPTOR

Thread BSP Parallel



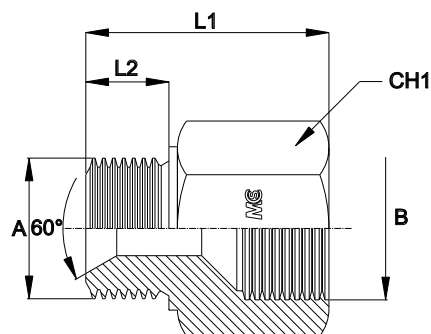
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1
400	BSPSFA0202	1/8"	1/8"	22,0	10,0	10,0	17
	BSPSFA0404	1/4"	1/4"	22,0	9,7	9,7	19
	BSPSFA0606	3/8"	3/8"	27,1	12,3	12,3	22
350	BSPSFA0808	1/2"	1/2"	32,5	14,5	14,5	27
315	BSPSFA1212	3/4"	3/4"	36,0	16,0	16,0	32
250	BSPSFA1616	1"	1"	37,6	16,8	16,8	38
160	BSPSFA2020	1"1/4	1"1/4	38,0	16,5	16,5	50
	BSPSFA2424	1"1/2	1"1/2	45,0	20,5	20,5	55

PROLUNGA DIRITTA MASCHIO/FEMMINA

Filetto Gas Cilindrico

MALE/FEMALE CONNECTOR

Thread BSP Parallel



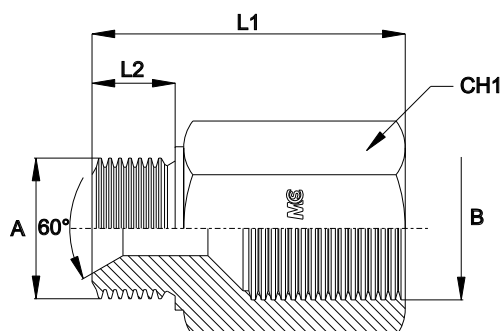
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
400	BSPMFFA0202	1/8"	1/8"	28,0	8,0	14
	BSPMFFA0204	1/8"	1/4"	29,0	8,0	19
	BSPMFFA0206	1/8"	3/8"	31,0	8,0	22
	BSPMFFA0402	1/4"	1/8"	31,0	11,0	19
	BSPMFFA0404	1/4"	1/4"	32,0	11,0	19
	BSPMFFA0406	1/4"	3/8"	32,0	11,0	22
350	BSPMFFA0408	1/4"	1/2"	36,0	11,0	27
250	BSPMFFA0416	1/4"	1"	43,5	11,0	38
400	BSPMFFA0604	3/8"	1/4"	35,0	12,0	22
	BSPMFFA0606	3/8"	3/8"	35,0	12,0	22
350	BSPMFFA0608	3/8"	1/2"	37,0	12,0	27
250	BSPMFFA0616	3/8"	1"	44,5	12,0	38
350	BSPMFFA0804	1/2"	1/4"	39,0	14,0	27
	BSPMFFA0806	1/2"	3/8"	38,0	14,0	27
	BSPMFFA0808	1/2"	1/2"	39,0	14,0	27
315	BSPMFFA0812	1/2"	3/4"	42,5	14,0	32
	BSPMFFA1204	3/4"	1/4"	37,5	16,0	32
	BSPMFFA1206	3/4"	3/8"	39,5	16,0	32
	BSPMFFA1208	3/4"	1/2"	41,0	16,0	32
250	BSPMFFA1212	3/4"	3/4"	45,0	16,0	32
125	BSPMFFA1216	3/4"	1"	49,0	16,0	38
250	BSPMFFA1232	3/4"	2"	54,0	16,0	70
	BSPMFFA1606	1"	3/8"	50,5	19,0	41
	BSPMFFA1608	1"	1/2"	52,5	19,0	41
	BSPMFFA1612	1"	3/4"	52,5	19,0	41
200	BSPMFFA1616	1"	1"	53,0	19,0	41
200	BSPMFFA1620	1"	1"1/4"	56,5	19,0	50
160	BSPMFFA1624	1"	1"1/2"	54,0	19,0	55
200	BSPMFFA2012	1"1/4"	3/4"	53,0	20,0	50
	BSPMFFA2016	1"1/4"	1"	53,0	20,0	50
	BSPMFFA2020	1"1/4"	1"1/4"	57,0	20,0	50
160	BSPMFFA2412	1"1/2"	3/4"	53,0	20,0	55
	BSPMFFA2416	1"1/2"	1"	53,0	20,0	55
	BSPMFFA2420	1"1/2"	1"1/4"	55,5	20,0	55
	BSPMFFA2424	1"1/2"	1"1/2"	55,5	20,0	55
125	BSPMFFA2432	1"1/2"	2"	58,0	20,0	70
	BSPMFFA3216	2"	1"	52,0	24,5	70
	BSPMFFA3220	2"	1"1/4"	62,0	24,5	70
	BSPMFFA3224	2"	1"1/2"	62,0	24,5	70
	BSPMFFA3232	2"	2"	66,5	24,5	70

PROLUNGA DIRITTA MASCHIO/FEMMINA - SERIE LUNGA

Filetto Gas Cilindrico

MALE/FEMALE CONNECTOR (LONG TYPE)

Thread BSP Parallel



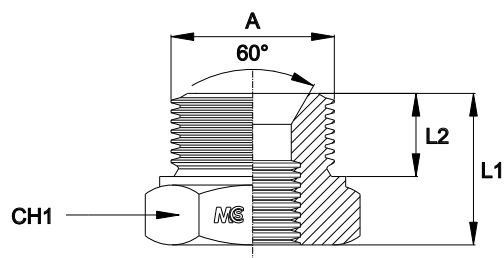
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
400	BSPMFFA0202L	1/8"	1/8"	-	8,0	14
	BSPMFFA0204L	1/8"	1/4"	49,0	8,0	19
	BSPMFFA0206L	1/8"	3/8"	51,0	8,0	22
	BSPMFFA0402L	1/4"	1/8"	-	11,0	19
	BSPMFFA0404L	1/4"	1/4"	52,0	11,0	19
	BSPMFFA0406L	1/4"	3/8"	52,0	11,0	22
350	BSPMFFA0408L	1/4"	1/2"	56,0	11,0	27
250	BSPMFFA0416L	1/4"	1"	63,5	11,0	38
400	BSPMFFA0604L	3/8"	1/4"	55,0	12,0	22
	BSPMFFA0606L	3/8"	3/8"	55,0	12,0	22
350	BSPMFFA0608L	3/8"	1/2"	57,0	12,0	27
250	BSPMFFA0616L	3/8"	1"	64,5	12,0	38
350	BSPMFFA0804L	1/2"	1/4"	59,0	14,0	27
	BSPMFFA0806L	1/2"	3/8"	58,0	14,0	27
	BSPMFFA0808L	1/2"	1/2"	59,0	14,0	27
315	BSPMFFA0812L	1/2"	3/4"	62,5	14,0	32
	BSPMFFA1204L	3/4"	1/4"	57,5	16,0	32
	BSPMFFA1206L	3/4"	3/8"	59,5	16,0	32
	BSPMFFA1208L	3/4"	1/2"	61,0	16,0	32
	BSPMFFA1212L	3/4"	3/4"	65,0	16,0	32
250	BSPMFFA1216L	3/4"	1"	69,0	16,0	38
125	BSPMFFA1232L	3/4"	2"	74,0	16,0	70
250	BSPMFFA1606L	1"	3/8"	70,5	19,0	41
	BSPMFFA1608L	1"	1/2"	72,5	19,0	41
	BSPMFFA1612L	1"	3/4"	72,5	19,0	41
	BSPMFFA1616L	1"	1"	73,0	19,0	41
200	BSPMFFA1620L	1"	1" 1/4	76,5	19,0	50
160	BSPMFFA1624L	1"	1" 1/2	74,0	19,0	55
200	BSPMFFA2012L	1" 1/4	3/4"	73,0	20,0	50
	BSPMFFA2016L	1" 1/4	1"	73,0	20,0	50
	BSPMFFA2020L	1" 1/4	1" 1/4	77,0	20,0	50
160	BSPMFFA2412L	1" 1/2	3/4"	73,0	20,0	55
	BSPMFFA2416L	1" 1/2	1"	73,0	20,0	55
	BSPMFFA2420L	1" 1/2	1" 1/4	75,5	20,0	55
	BSPMFFA2424L	1" 1/2	1" 1/2	75,5	20,0	55
125	BSPMFFA2432L	1" 1/2	2"	78,0	20,0	70
	BSPMFFA3216L	2"	1"	72,0	24,5	70
	BSPMFFA3220L	2"	1" 1/4	82,0	24,5	70
	BSPMFFA3224L	2"	1" 1/2	82,0	24,5	70
	BSPMFFA3232L	2"	2"	86,5	24,5	70

TAPPO DI RIDUZIONE MASCHIO/FEMMINA

Filetto Gas Cilindrico

MALE/FEMALE REDUCING PLUG

Thread BSP Parallel



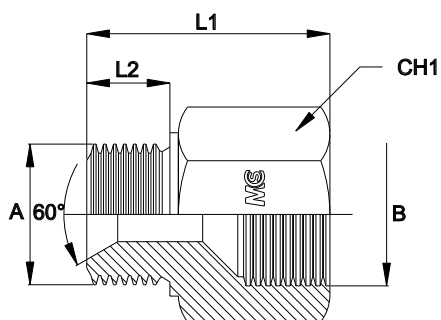
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
400	BSPMFRP0402	1/4"	1/8"	20,0	11,0	19
	BSPMFRP0602	3/8"	1/8"	22,0	12,0	22
	BSPMFRP0604	3/8"	1/4"	22,0	12,0	22
350	BSPMFRP0802	1/2"	1/8"	24,5	14,0	27
	BSPMFRP0804	1/2"	1/4"	26,5	14,0	27
	BSPMFRP0806	1/2"	3/8"	26,5	14,0	27
	BSPMFRP1008	5/8"	1/2"	31,0	16,0	30
315	BSPMFRP1204	3/4"	1/4"	28,0	16,0	32
	BSPMFRP1206	3/4"	3/8"	28,0	16,0	32
	BSPMFRP1208	3/4"	1/2"	28,0	16,0	32
	BSPMFRP1210	3/4"	5/8"	31,0	16,0	32
250	BSPMFRP1604	1"	1/4"	31,0	19,0	41
	BSPMFRP1606	1"	3/8"	31,0	19,0	41
	BSPMFRP1608	1"	1/2"	31,0	19,0	41
	BSPMFRP1612	1"	3/4"	31,0	19,0	41
200	BSPMFRP2008	1"1/4	1/2"	33,0	20,0	50
	BSPMFRP2012	1"1/4	3/4"	33,0	20,0	50
	BSPMFRP2016	1"1/4	1"	33,0	20,0	50
160	BSPMFRP2416	1"1/2	1"	33,5	20,0	55
	BSPMFRP2420	1"1/2	1"1/4	33,5	20,0	55
125	BSPMFRP3216	2"	1"	41,0	24,5	70
	BSPMFRP3220	2"	1"1/4	41,0	24,5	70
	BSPMFRP3224	2"	1"1/2	41,0	24,5	70

PROLUNGA DIRITTA MASCHIO/FEMMINA

Filetto Metrico Cilindrico

MALE/FEMALE CONNECTOR

Thread Metric Parallel



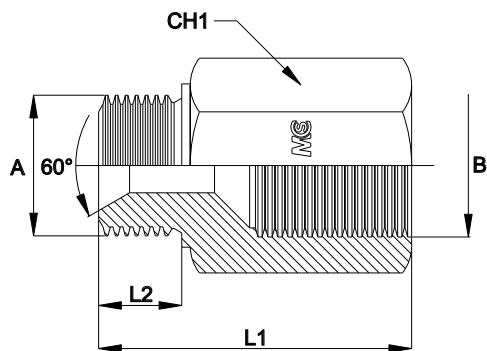
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
400	MMFFA1010	10x1,0	10x1,0	28,0	8,0	14
	MMFFA1212	12x1,5	12x1,5	30,0	11,0	17
	MMFFA1414	14x1,5	14x1,5	33,0	11,0	19
	MMFFA1616	16x1,5	16x1,5	35,0	12,0	22
	MMFFA1818	18x1,5	18x1,5	35,0	14,0	24
350	MMFFA2020	20x1,5	20x1,5	37,0	14,0	27
	MMFFA2222	22x1,5	22x1,5	40,0	14,0	27
315	MMFFA2626	26x1,5	26x1,5	45,0	16,0	32
250	MMFFA3030	30x1,5	30x1,5	55,0	16,0	36

PROLUNGA DIRITTA MASCHIO/FEMMINA - SERIE LUNGA

Filetto Metrico Cilindrico

MALE/FEMALE CONNECTOR (LONG TYPE)

Thread Metric Parallel



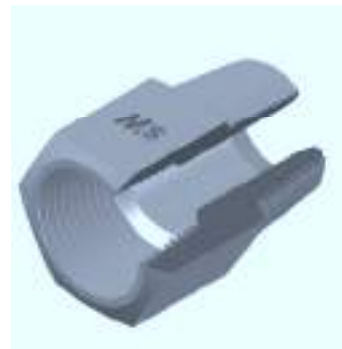
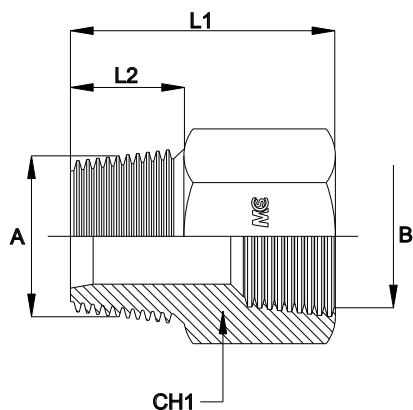
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
400	MMFFA1010L	10x1,0	10x1,0	38,0	8,0	14
	MMFFA1212L	12x1,5	12x1,5	40,0	11,0	17
	MMFFA1414L	14x1,5	14x1,5	43,0	11,0	19
	MMFFA1616L	16x1,5	16x1,5	45,0	12,0	22
	MMFFA1818L	18x1,5	18x1,5	50,0	14,0	24
350	MMFFA2020L	20x1,5	20x1,5	50,0	14,0	27
	MMFFA2222L	22x1,5	22x1,5	50,0	14,0	27
315	MMFFA2626L	26x1,5	26x1,5	60,0	16,0	32
250	MMFFA3030L	30x1,5	30x1,5	85,0	16,0	36

PROLUNGA DIRITTA MASCHIO/FEMMINA

Filetto NPT

MALE/FEMALE CONNECTOR

Thread NPT



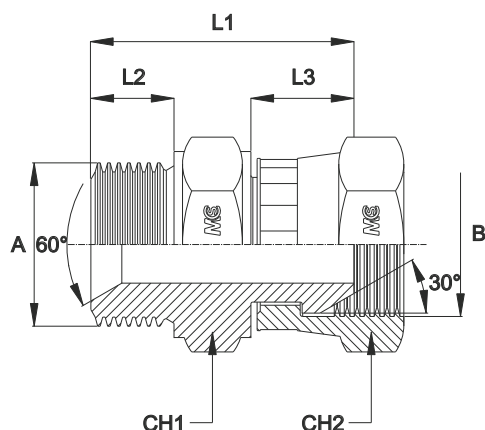
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	NPTMFFA0202	1/8"	1/8"	27,0	10,0	14
	NPTMFFA0204	1/8"	1/4"	27,0	10,0	19
	NPTMFFA0402	1/4"	1/8"	30,0	14,0	14
	NPTMFFA0404	1/4"	1/4"	32,0	14,0	19
250	NPTMFFA0406	1/4"	3/8"	32,0	14,0	22
225	NPTMFFA0408	1/4"	1/2"	37,0	14,0	27
250	NPTMFFA0604	3/8"	1/4"	32,0	14,0	19
	NPTMFFA0606	3/8"	3/8"	32,0	14,0	22
225	NPTMFFA0608	3/8"	1/2"	37,0	14,0	27
	NPTMFFA0804	1/2"	1/4"	35,0	19,0	22
	NPTMFFA0806	1/2"	3/8"	37,0	19,0	22
	NPTMFFA0808	1/2"	1/2"	42,0	19,0	27
200	NPTMFFA0812	1/2"	3/4"	48,0	19,0	32
	NPTMFFA1208	3/4"	1/2"	48,0	19,0	27
	NPTMFFA1212	3/4"	3/4"	48,0	19,0	32
160	NPTMFFA1216	3/4"	1"	48,0	19,0	38
	NPTMFFA1612	1"	3/4"	48,0	24,0	36
	NPTMFFA1616	1"	1"	57,0	24,0	38
	NPTMFFA1620	1"	1"1/4"	57,0	24,0	50
	NPTMFFA2016	1"1/4"	1"	59,0	24,5	46
	NPTMFFA2020	1"1/4"	1"1/4"	59,0	24,5	50
	NPTMFFA2024	1"1/4"	1"1/2"	59,0	24,5	60
	NPTMFFA2424	1"1/2"	1"1/2"	59,0	25,0	60

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE CONNECTOR

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B Tubo Tube O.D.	L1	L2	L3	CH1	CH2
350	BSPMSFA0202	1/8"	1/8"	27,7	8,0	9,7	14	17
	BSPMSFA0404	1/4"	1/4"	32,5	11,0	9,7	19	19
250	BSPMSFA0606	3/8"	3/8"	35,5	12,0	12,3	22	22
225	BSPMSFA0808	1/2"	1/2"	40,0	14,0	14,5	27	27
200	BSPMSFA1212	3/4"	3/4"	45,0	16,0	16,0	32	32
	BSPMSFA1616	1"	1"	52,0	19,0	16,8	41	38
160	BSPMSFA2020	1" 1/4	1" 1/4	53,0	20,0	16,5	50	50
	BSPMSFA2424	1" 1/2	1" 1/2	58,0	20,0	20,5	55	55
125	BSPMSFA3232	2"	2"	60,0	24,5	20,0	70	70

Reducing Adaptor - Riduzioni

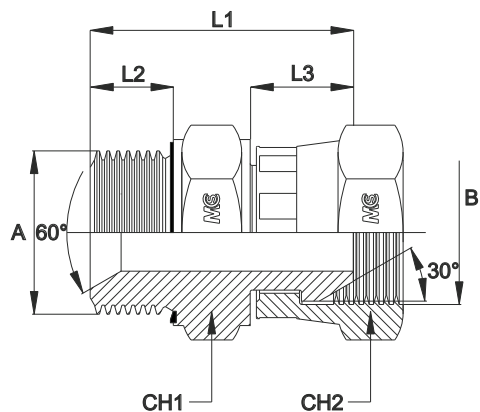
350	BSPMSFA0204	1/8"	1/4"	30,0	8,0	10,0	14	19
	BSPMSFA0406	1/4"	3/8"	35,0	11,0	12,5	19	22
250	BSPMSFA0604	3/8"	1/4"	35,0	12,0	10,0	22	19
	BSPMSFA0608	3/8"	1/2"	38,0	12,0	14,5	22	27
225	BSPMSFA0812	1/2"	3/4"	42,0	14,0	16,0	27	32
	BSPMSFA0816	1/2"	1"	46,5	14,0	17,0	27	38
200	BSPMSFA1208	3/4"	1/2"	43,5	16,0	14,5	32	27
	BSPMSFA1216	3/4"	1"	49,0	16,0	17,0	32	38
160	BSPMSFA1620	1"	1" 1/4	49,5	17,0	16,5	41	50
	BSPMSFA1624	1"	1" 1/2	55,0	17,0	20,5	46	55
160	BSPMSFA2024	1" 1/4	1" 1/2	58,0	20,0	20,5	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE CON GUARNIZIONE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE CONNECTOR WITH CAPTIVE SEAL

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
400	BSPMSFA0202V	1/8"	1/8"	27,7	8,0	9,7	14	17
	BSPMSFA0404V	1/4"	1/4"	32,5	11,0	9,7	19	19
	BSPMSFA0606V	3/8"	3/8"	35,5	12,0	12,3	22	22
350	BSPMSFA0808V	1/2"	1/2"	40,0	14,0	14,5	27	27
	BSPMSFA1010V	5/8"	5/8"	-	16,0	-	30	30
315	BSPMSFA1212V	3/4"	3/4"	45,0	16,0	16,0	32	32
250	BSPMSFA1616V	1"	1"	52,0	19,0	16,8	41	38
160	BSPMSFA2020V	1" 1/4	1" 1/4	53,0	20,0	16,5	50	50
	BSPMSFA2424V	1" 1/2	1" 1/2	58,0	20,0	20,5	55	55
125	BSPMSFA3232V	2"	2"	60,0	24,5	20,0	70	70

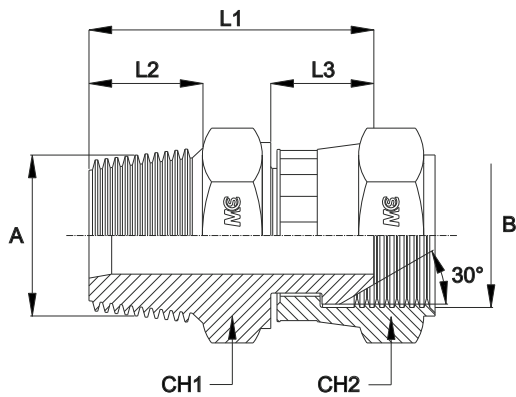
NOTE: VITON® è un marchio registrato dalla DuPont Dow Elastomers
 NOTE: VITON® is a DuPont Dow Elastomers Trade Mark

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Maschio NPT/Femmina NPSM

MALE/SWIVEL FEMALE CONNECTOR

Male Thread NPT/Female Thread NPSM



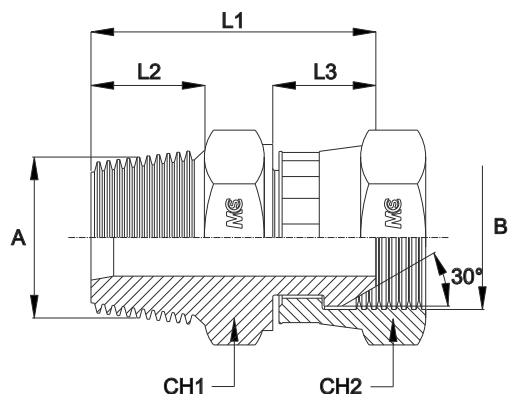
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
350	NPTMSFA0202	1/8"	1/8"	28,5	10,0	10,0	14	17
	NPTMSFA0404	1/4"	1/4"	34,5	14,0	10,0	14	19
250	NPTMSFA0606	3/8"	3/8"	37,0	14,0	12,5	19	22
225	NPTMSFA0808	1/2"	1/2"	46,0	19,0	14,5	22	27
200	NPTMSFA1212	3/4"	3/4"	46,0	19,0	16,0	27	32
160	NPTMSFA1616	1"	1"	55,0	24,0	17,0	36	38
	NPTMSFA2020	1" 1/4	1" 1/4	55,5	25,0	16,5	46	50
	NPTMSFA2424	1" 1/2	1" 1/2	61,0	25,0	20,5	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Maschio Gas Conico/Femmina Gas Cilindrico

MALE/SWIVEL FEMALE CONNECTOR

Male Thread BSP Taper/Female Thread BSP Parallel



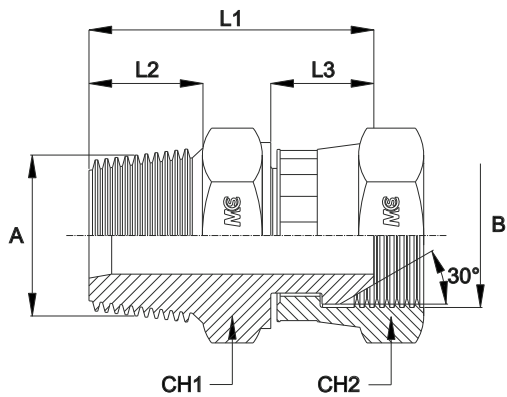
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
350	BSPTBSPMSFA0202	1/8"	1/8"	26,5	8,0	10,0	14	17
300	BSPTBSPMSFA0404	1/4"	1/4"	33,5	13,0	10,0	14	19
280	BSPTBSPMSFA0606	3/8"	3/8"	37,0	14,0	12,5	19	22
200	BSPTBSPMSFA0808	1/2"	1/2"	44,0	17,0	14,5	22	27
	BSPTBSPMSFA1212	3/4"	3/4"	44,5	17,5	16,0	27	32
120	BSPTBSPMSFA1616	1"	1"	53,0	22,0	17,0	36	38
105	BSPTBSPMSFA2020	1" 1/4	1" 1/4	54,5	24,0	16,5	46	50
	BSPTBSPMSFA2424	1" 1/2	1" 1/2	60,0	24,0	20,5	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Maschio NPT/Femmina Gas Cilindrico

MALE/SWIVEL FEMALE CONNECTOR

Male Thread NPT/Female Thread BSP Parallel



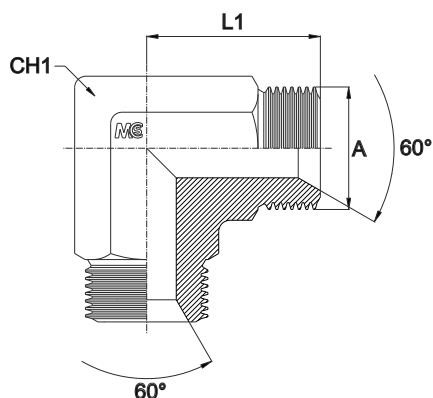
Bar W.P.	Codice Part Number	A	B	L1	L2	L3	CH1	CH2
350	NPTBSPMSFA0202	1/8"	1/8"	28,5	10,0	10,0	14	17
	NPTBSPMSFA0404	1/4"	1/4"	34,5	14,0	10,0	14	19
250	NPTBSPMSFA0606	3/8"	3/8"	37,0	14,0	12,5	19	22
225	NPTBSPMSFA0808	1/2"	1/2"	46,0	19,0	14,5	22	27
200	NPTBSPMSFA1212	3/4"	3/4"	46,0	19,0	16,0	27	32
	NPTBSPMSFA1616	1"	1"	55,0	24,0	17,0	36	38
	NPTBSPMSFA2020	1" 1/4	1" 1/4	55,5	25,0	16,5	46	50
	NPTBSPMSFA2424	1" 1/2	1" 1/2	61,0	25,0	20,5	50	55

ADATTATORE A 90° MASCHIO INTERMEDIO

Filetto Gas Cilindrico

MALE EQUAL ELBOW

Thread BSP Parallel



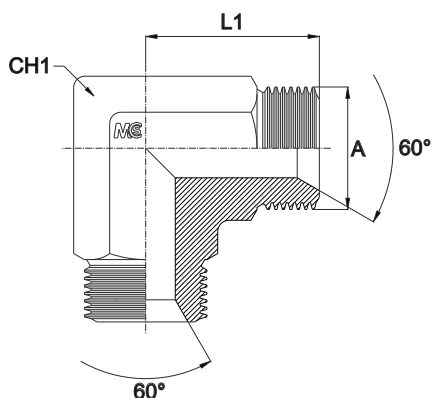
Bar W.P.	Codice Part Number	A	L1	CH1
400	LBSPMA0202	1/8"	21,0	12
	LBSPMA0404	1/4"	26,0	14
	LBSPMA0606	3/8"	29,0	19
350	LBSPMA0808	1/2"	34,0	22
	LBSPMA1010	5/8"	38,0	27
315	LBSPMA1212	3/4"	41,0	27
250	LBSPMA1616	1"	45,0	33
220	LBSPMA2020	1" 1/4	52,0	41
170	LBSPMA2424	1" 1/2	59,0	50
125	LBSPMA3232	2"	78,0	65

ADATTATORE A 90° MASCHIO INTERMEDIO

Filetto Metrico Cilindrico

MALE EQUAL ELBOW

Thread Metric Parallel



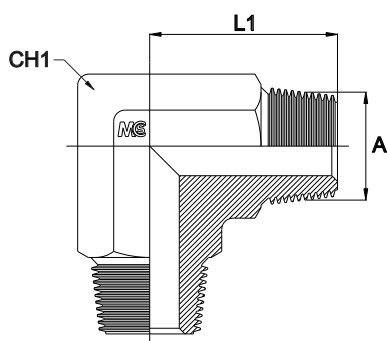
Bar W.P.	Codice Part Number	A	L1	CH1
400	LMMA1010	10x1,0	21,0	12
	LMMA1212	12x1,5	21,0	12
	LMMA1414	14x1,5	26,0	14
	LMMA1616	16x1,5	29,0	19
	LMMA1818	18x1,5	29,0	19
350	LMMA2020	20x1,5	34,0	22
	LMMA2222	22x1,5	34,0	22
315	LMMA2626	26x1,5	41,0	27
250	LMMA3030	30x1,5	45,0	33

ADATTATORE A 90° MASCHIO INTERMEDIO

Filetto Gas Conico

MALE EQUAL ELBOW

Thread BSP Taper



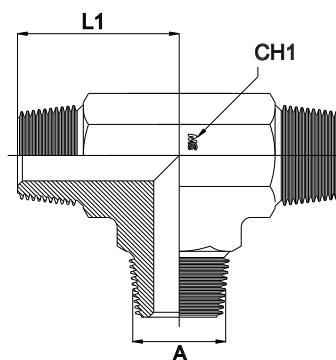
Bar W.P.	Codice Part Number	A	L1	CH1
350	LBSPTMA0202	1/8"	20,0	12
	LBSPTMA0404	1/4"	28,0	14
250	LBSPTMA0606	3/8"	31,0	19
225	LBSPTMA0808	1/2"	37,5	22
200	LBSPTMA1212	3/4"	40,0	27
160	LBSPTMA1616	1"	50,0	33
	LBSPTMA2020	1" 1/4	60,0	41
	LBSPTMA2424	1" 1/2	67,0	50
100	LBSPTMA3232	2"	76,0	65

ADATTATORE A «T» INTERMEDIO MASCHIO

Filetto Gas Conico

MALE EQUAL TEE

Thread BSP Taper



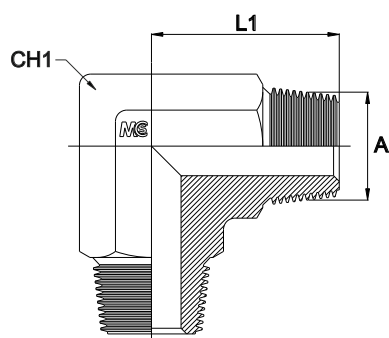
Bar W.P.	Codice Part Number	A	L1	CH1
350	TBSPTMA0202	1/8"	20,0	12
	TBSPTMA0404	1/4"	28,0	14
250	TBSPTMA0606	3/8"	31,0	19
225	TBSPTMA0808	1/2"	37,5	22
200	TBSPTMA1212	3/4"	40,0	27
160	TBSPTMA1616	1"	50,0	33
	TBSPTMA2020	1" 1/4	60,0	41
	TBSPTMA2424	1" 1/2	67,0	50
100	TBSPTMA3232	2"	76,0	65

ADATTATORE A 90° MASCHIO INTERMEDIO

Filetto NPT

MALE EQUAL ELBOW

Thread NPT



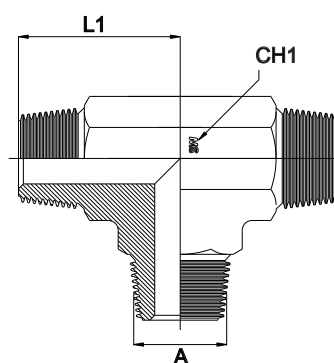
Bar W.P.	Codice Part Number	A	L1	CH1
350	LNPTMA0202	1/8"	20,0	12
	LNPTMA0404	1/4"	28,0	14
250	LNPTMA0606	3/8"	31,0	19
225	LNPTMA0808	1/2"	37,5	22
200	LNPTMA1212	3/4"	40,0	27
160	LNPTMA1616	1"	50,0	33
	LNPTMA2020	1" 1/4	60,0	41
	LNPTMA2424	1" 1/2	67,0	50
100	LNPTMA3232	2"	76,0	65

ADATTATORE A «T» INTERMEDIO MASCHIO

Filetto NPT

MALE EQUAL TEE

Thread NPT



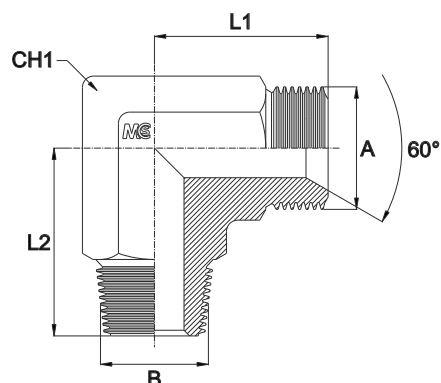
Bar W.P.	Codice Part Number	A	L1	CH1
350	TNPTMA0202	1/8"	20,0	12
	TNPTMA0404	1/4"	28,0	14
250	TNPTMA0606	3/8"	31,0	19
225	TNPTMA0808	1/2"	37,5	22
200	TNPTMA1212	3/4"	40,0	27
160	TNPTMA1616	1"	50,0	33
	TNPTMA2020	1" 1/4	60,0	41
	TNPTMA2424	1" 1/2	67,0	50
100	TNPTMA3232	2"	76,0	65

ADATTATORE A 90° MASCHIO DI ESTREMITÀ

Filetto Gas Cilindrico/Conico

MALE STUD ELBOW

Thread BSP Parallel/BSP Taper



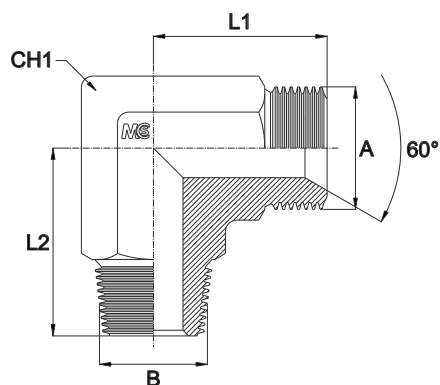
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	LBSPBSPTMA0202	1/8"	1/8"	21,0	20,0	12
	LBSPBSPTMA0404	1/4"	1/4"	26,0	28,0	14
250	LBSPBSPTMA0606	3/8"	3/8"	29,0	31,0	19
225	LBSPBSPTMA0808	1/2"	1/2"	34,0	37,5	22
200	LBSPBSPTMA1010	5/8"	5/8"	38,0	40,0	27
	LBSPBSPTMA1212	3/4"	3/4"	41,0	40,0	27
160	LBSPBSPTMA1616	1"	1"	45,0	50,0	33
	LBSPBSPTMA2020	1" 1/4	1" 1/4	52,0	60,0	41
	LBSPBSPTMA2424	1" 1/2	1" 1/2	59,0	67,0	50
100	LBSPBSPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A 90° MASCHIO DI ESTREMITÀ

Filetto Gas Cilindrico/NPT

MALE STUD ELBOW

Thread BSP Parallel/NPT



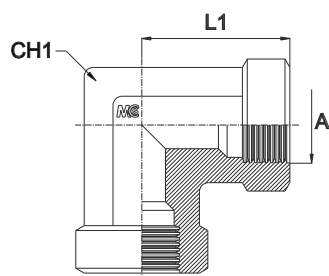
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	LBSPNPTMA0202	1/8"	1/8"	21,0	20,0	12
	LBSPNPTMA0404	1/4"	1/4"	26,0	28,0	14
250	LBSPNPTMA0606	3/8"	3/8"	29,0	31,0	19
225	LBSPNPTMA0808	1/2"	1/2"	34,0	37,5	22
200	LBSPNPTMA1010	5/8"	5/8"	38,0	40,0	27
	LBSPNPTMA1212	3/4"	3/4"	41,0	40,0	27
160	LBSPNPTMA1616	1"	1"	45,0	50,0	33
	LBSPNPTMA2020	1" 1/4	1" 1/4	52,0	60,0	41
	LBSPNPTMA2424	1" 1/2	1" 1/2	59,0	67,0	50
100	LBSPNPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A 90° FEMMINA INTERMEDIO

Filetto Gas Cilindrico

FEMALE EQUAL ELBOW

Thread BSP Parallel



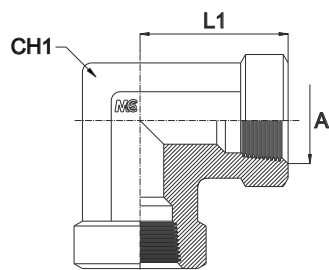
Bar W.P.	Codice Part Number	A	L1	CH1
350	LBSPFFA0202	1/8"	17,0	14
	LBSPFFA0404	1/4"	22,5	19
250	LBSPFFA0606	3/8"	26,0	22
225	LBSPFFA0808	1/2"	31,0	27
200	LBSPFFA1212	3/4"	34,5	33
160	LBSPFFA1616	1"	41,0	41
	LBSPFFA2020	1" 1/4	43,0	50
100	LBSPFFA2424	1" 1/2	53,0	65
	LBSPFFA3232	2"	61,0	70

ADATTATORE A 90° FEMMINA INTERMEDIO

Filetto NPT

FEMALE EQUAL ELBOW

Thread NPT



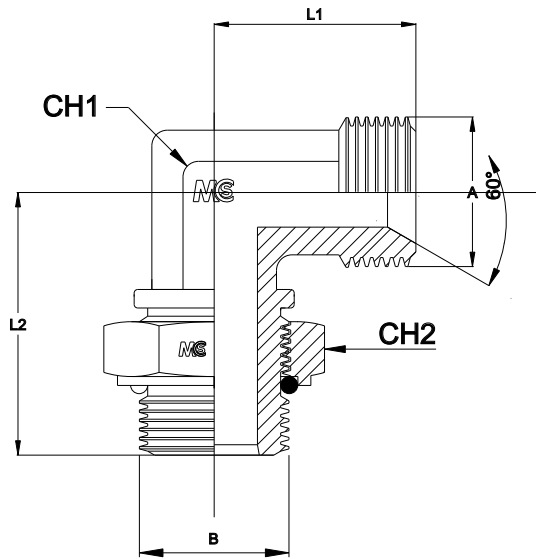
Bar W.P.	Codice Part Number	A	L1	CH1
350	LNPTFFA0202	1/8"	17,0	14
	LNPTFFA0404	1/4"	22,5	19
250	LNPTFFA0606	3/8"	26,0	22
225	LNPTFFA0808	1/2"	31,0	27
200	LNPTFFA1212	3/4"	34,5	33
160	LNPTFFA1616	1"	41,0	41
	LNPTFFA2020	1" 1/4	43,0	50
100	LNPTFFA2424	1" 1/2	53,0	65
	LNPTFFA3232	2"	61,0	70

ADATTATORE A 90° ORIENTABILE con o'ring e Rondella Speciale

Filetto Gas Cilindrico

ADJUSTABLE MALE STUD ELBOW with o'ring and Special Washer

Thread BSP Parallel



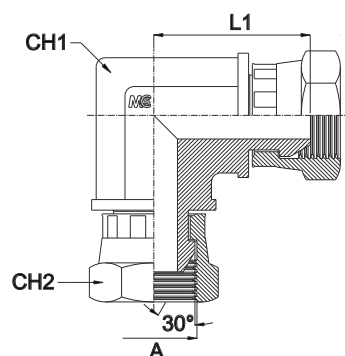
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
350	LBSPMA0202ADJ	1/8"	1/8"	21,0	26,0	12	14
315	LBSPMA0404ADJ	1/4"	1/4"	26,0	32,0	14	19
250	LBSPMA0606ADJ	3/8"	3/8"	29,0	37,0	19	22
	LBSPMA0808ADJ	1/2"	1/2"	34,0	43,0	24	27
200	LBSPMA1212ADJ	3/4"	3/4"	41,0	49,0	27	36
	LBSPMA1616ADJ	1"	1"	45,0	52,0	33	41
160	LBSPMA2020ADJ	1" 1/4	1" 1/4	52,0	58,0	41	50
	LBSPMA2424ADJ	1" 1/2	1" 1/2	59,0	60,0	48	55

ADATTATORE A 90° FEMMINA GIREVOLE

Filetto Gas Cilindrico

SWIVEL FEMALE EQUAL ELBOW

Thread BSP Parallel



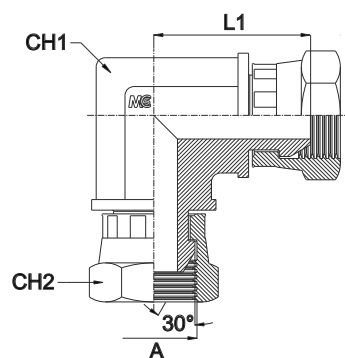
Bar W.P.	Codice Part Number	A	L1	CH1	CH2
400	LBSPSFA0202	1/8"	18,0	12	17
	LBSPSFA0404	1/4"	23,5	14	19
	LBSPSFA0606	3/8"	25,5	19	22
350	LBSPSFA0808	1/2"	29,5	22	27
	LBSPSFA1010	5/8"	-	27	30
315	LBSPSFA1212	3/4"	37,0	27	32
250	LBSPSFA1616	1"	43,0	33	38
160	LBSPSFA2020	1" 1/4	51,0	41	50
	LBSPSFA2424	1" 1/2	59,0	50	55
125	LBSPSFA3232	2"	-	65	70

ADATTATORE A 90° FEMMINA GIREVOLE

Filetto Metrico Cilindrico

SWIVEL FEMALE EQUAL ELBOW

Thread Metric Parallel



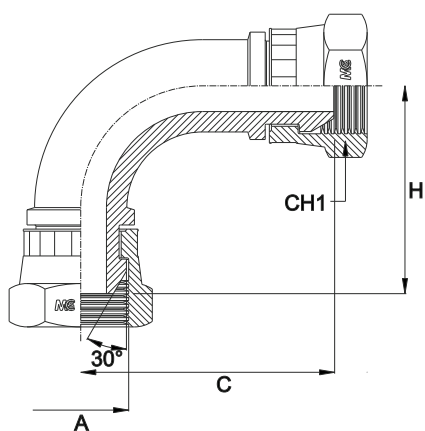
Bar W.P.	Codice Part Number	A	L1	CH1	CH2
400	LMSFA1212	12x1,5	18,0	12	17
	LMSFA1414	14x1,5	23,5	14	19
	LMSFA1616	16x1,5	25,5	19	22
	LMSFA1818	18x1,5	29,5	19	24
350	LMSFA2020	20x1,5	37,0	22	27
	LMSFA2222	22x1,5	43,0	22	27
315	LMSFA2626	26x1,5	51,0	27	32
250	LMSFA3030	30x1,5	59,0	33	36

ADATTATORE A 90° FEMMINA/FEMMINA GIREVOLE

Filetto Gas Cilindrico

90° SWIVEL ELBOW FEMALE/FEMALE

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	C	H	CH1
400	90BSPSFA0202	1/8"	1/8"	-	-	17
	90BSPSFA0404	1/4"	1/4"	29,0	27,0	19
	90BSPSFA0606	3/8"	3/8"	39,0	37,0	22
350	90BSPSFA0808	1/2"	1/2"	46,0	45,0	27
315	90BSPSFA1212	3/4"	3/4"	63,0	61,0	32
250	90BSPSFA1616*	1"	1"	-	-	38
160	90BSPSFA2020*	1" 1/4	1" 1/4	-	-	50
120	90BSPSFA2424*	1" 1/2	1" 1/2	-	-	55

* Saldato

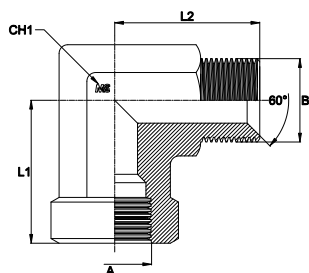
* Welded

ADATTATORE A 90° MASCHIO/FEMMINA

Filetto Gas Cilindrico/Cilindrico

MALE/FEMALE STUD ELBOW

Thread BSP Parallel/BSP Parallel



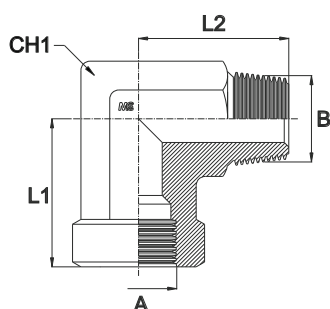
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	LBSPMFFA0202	1/8"	1/8"	17,0	21,0	14
	LBSPMFFA0404	1/4"	1/4"	22,5	26,0	19
250	LBSPMFFA0606	3/8"	3/8"	26,0	29,0	22
225	LBSPMFFA0808	1/2"	1/2"	31,0	34,0	27
200	LBSPMFFA1212	3/4"	3/4"	34,5	41,0	33
160	LBSPMFFA1616	1"	1"	41,0	45,0	41
	LBSPMFFA2020	1" 1/4	1" 1/4	43,0	52,0	50
	LBSPMFFA2424	1" 1/2	1" 1/2	53,0	59,0	65
100	LBSPMFFA3232	2"	2"	61,0	78,0	70

ADATTATORE A 90° MASCHIO/FEMMINA

Filetto Gas Conico/Cilindrico

MALE/FEMALE STUD ELBOW

Thread BSP Taper/BSP Parallel



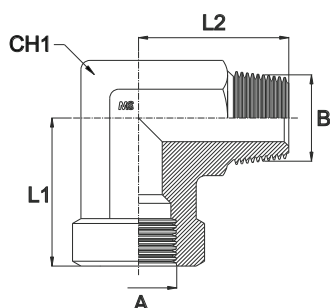
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	LBSPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	LBSPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	LBSPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	LBSPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	LBSPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
160	LBSPTBSPMFA1616	1"	1"	41,0	50,0	41
	LBSPTBSPMFA2020	1" 1/4	1" 1/4	43,0	60,0	50
	LBSPTBSPMFA2424	1" 1/2	1" 1/2	53,0	67,0	65
100	LBSPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A 90° MASCHIO/FEMMINA

Filetto NPT/Gas Cilindrico

MALE/FEMALE STUD ELBOW

Thread NPT/BSP Parallel



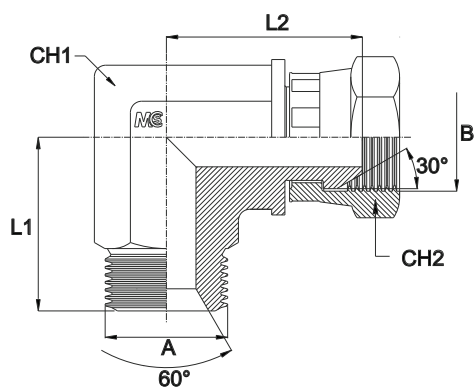
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	LNPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	LNPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	LNPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	LNPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	LNPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
160	LNPTBSPMFA1616	1"	1"	41,0	50,0	41
	LNPTBSPMFA2020	1" 1/4	1" 1/4	43,0	60,0	50
	LNPTBSPMFA2424	1" 1/2	1" 1/2	53,0	67,0	65
100	LNPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE STUD ELBOW

Thread BSP Parallel



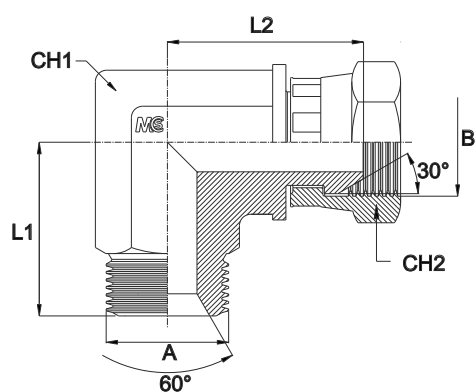
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	LBSPMSFA0202	1/8"	1/8"	21,0	18,0	12	17
	LBSPMSFA0404	1/4"	1/4"	26,0	23,5	14	19
	LBSPMSFA0606	3/8"	3/8"	29,0	25,5	19	22
350	LBSPMSFA0808	1/2"	1/2"	34,0	29,5	22	27
	LBSPMSFA1010	5/8"	5/8"	38,0	-	27	30
315	LBSPMSFA1212	3/4"	3/4"	41,0	37,0	27	32
250	LBSPMSFA1616	1"	1"	45,0	43,0	33	38
160	LBSPMSFA2020	1" 1/4	1" 1/4	57,0	51,0	41	50
	LBSPMSFA2424	1" 1/2	1" 1/2	59,0	59,0	50	55
125	LBSPMSFA3232	2"	2"	78,0	-	65	70

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE

Filetto Metrico Cilindrico

MALE/SWIVEL FEMALE STUD ELBOW

Thread Metric Parallel



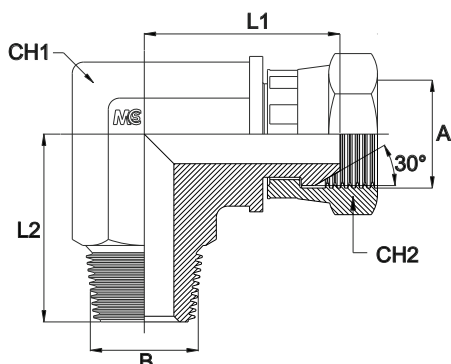
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	LMMSFA1212	12x1,5	12x1,5	21,0	18,0	12	17
	LMMSFA1414	14x1,5	14x1,5	26,0	23,5	14	19
	LMMSFA1616	16x1,5	16x1,5	29,0	25,5	19	22
	LMMSFA1818	18x1,5	18x1,5	29,0	29,5	19	24
350	LMMSFA2020	20x1,5	20x1,5	34,0	37,0	22	27
	LMMSFA2222	22x1,5	22x1,5	34,0	43,0	22	27
315	LMMSFA2626	26x1,5	26x1,5	41,0	51,0	27	32
250	LMMSFA3030	30x1,5	30x1,5	45,0	59,0	33	36

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE

Filetto Maschio Gas Conico/Femmina Gas Cilindrico

MALE/SWIVEL FEMALE STUD ELBOW

Male Thread BSP Taper/Female Thread BSP Parallel



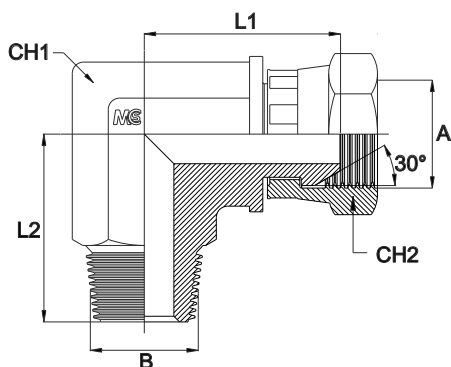
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
350	LBSPTBSPMSFA0202	1/8"	1/8"	18,0	20,0	12	17
	LBSPTBSPMSFA0404	1/4"	1/4"	23,5	28,0	14	19
250	LBSPTBSPMSFA0606	3/8"	3/8"	25,5	31,0	19	22
225	LBSPTBSPMSFA0808	1/2"	1/2"	29,5	37,5	22	27
200	LBSPTBSPMSFA1010	5/8"	5/8"	-	37,5	27	30
	LBSPTBSPMSFA1212	3/4"	3/4"	37,0	40,0	27	32
160	LBSPTBSPMSFA1616	1"	1"	43,0	50,0	33	38
	LBSPTBSPMSFA2020	1" 1/4	1" 1/4	51,0	60,0	41	50
	LBSPTBSPMSFA2424	1" 1/2	1" 1/2	59,0	67,0	50	55
100	LBSPTBSPMSFA3232	2"	2"	-	76,0	65	70

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE

Filetto Maschio NPT/Femmina Gas Cilindrico

MALE/SWIVEL FEMALE STUD ELBOW

Male Thread NPT/Female Thread BSP Parallel



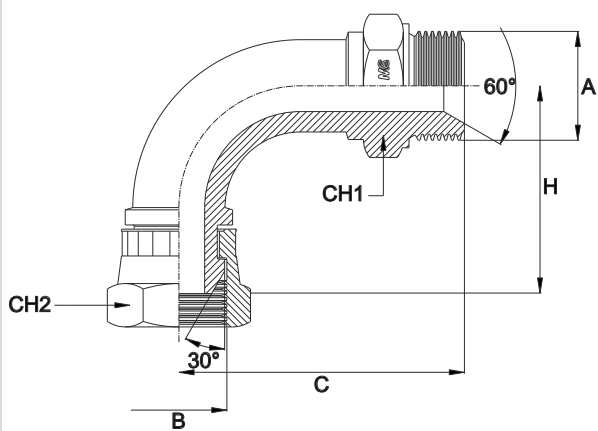
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
350	LNPTBSPMSFA0202	1/8"	1/8"	18,0	20,0	12	17
	LNPTBSPMSFA0404	1/4"	1/4"	23,5	28,0	14	19
250	LNPTBSPMSFA0606	3/8"	3/8"	25,5	31,0	19	22
225	LNPTBSPMSFA0808	1/2"	1/2"	29,5	37,5	22	27
200	LNPTBSPMSFA1010	5/8"	5/8"	-	37,5	27	30
	LNPTBSPMSFA1212	3/4"	3/4"	37,0	40,0	27	32
160	LNPTBSPMSFA1616	1"	1"	43,0	50,0	33	38
	LNPTBSPMSFA2020	1" 1/4	1" 1/4	51,0	60,0	41	50
	LNPTBSPMSFA2424	1" 1/2	1" 1/2	59,0	67,0	50	55
100	LNPTBSPMSFA3232	2"	2"	-	76,0	65	70

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

90° SWIVEL ELBOW MALE/FEMALE

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	B	C	H	CH1	CH2
400	90BSPMSFA0202	1/8"	1/8"	-	-	17	17
	90BSPMSFA0404	1/4"	1/4"	38,0	27,0	19	19
	90BSPMSFA0606	3/8"	3/8"	46,0	40,0	22	22
350	90BSPMSFA0808	1/2"	1/2"	56,0	48,0	27	27
315	90BSPMSFA1212	3/4"	3/4"	80,0	68,0	32	32
250	90BSPMSFA1616*	1"	1"	102,0	75,0	41	38
160	90BSPMSFA2020*	1" 1/4	1" 1/4	-	-	50	50
120	90BSPMSFA2424*	1" 1/2	1" 1/2	-	-	55	55

* Saldato

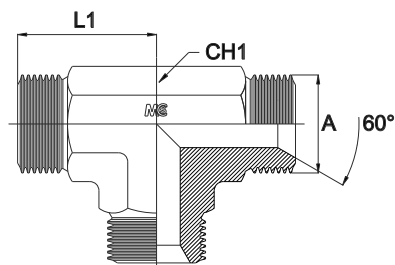
* Welded

ADATTATORE A «T» INTERMEDIO MASCHIO

Filetto Gas Cilindrico

MALE EQUAL TEE

Thread BSP Parallel



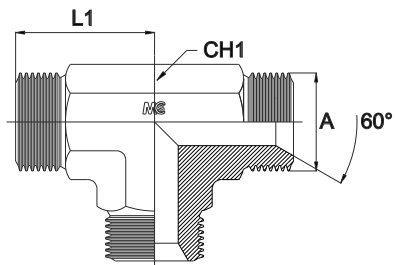
Bar W.P.	Codice Part Number	A	L1	CH1
400	TBSPMA0202	1/8"	21,0	12
	TBSPMA0404	1/4"	26,0	14
	TBSPMA0606	3/8"	29,0	19
350	TBSPMA0808	1/2"	34,0	22
	TBSPMA1010	5/8"	38,0	27
315	TBSPMA1212	3/4"	41,0	27
250	TBSPMA1616	1"	45,0	33
220	TBSPMA2020	1" 1/4	52,0	41
170	TBSPMA2424	1" 1/2	59,0	50
125	TBSPMA3232	2"	78,0	65

ADATTATORE A «T» INTERMEDIO MASCHIO

Filetto Metrico Cilindrico

MALE EQUAL TEE

Thread Metric Parallel



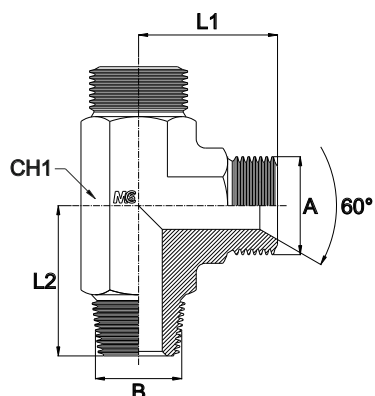
Bar W.P.	Codice Part Number	A	L1	CH1
400	TMMA1010	10x1,0	21,0	12
	TMMA1212	12x1,5	21,0	12
	TMMA1414	14x1,5	26,0	14
	TMMA1616	16x1,5	29,0	19
	TMMA1818	18x1,5	29,0	19
350	TMMA2020	20x1,5	34,0	22
	TMMA2222	22x1,5	34,0	22
315	TMMA2626	26x1,5	41,0	27
250	TMMA3030	30x1,5	45,0	33

ADATTATORE A «T» MASCHIO DI ESTREMITÀ LATERALE

Filetto Gas Cilindrico/Conico

MALE STUD BARREL TEE

Thread BSP Parallel/BSP Taper



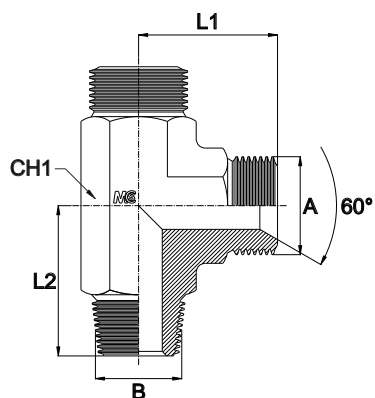
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TLBSPBSPTMA0202	1/8"	1/8"	21,0	20,0	12
	TLBSPBSPTMA0404	1/4"	1/4"	26,0	28,0	14
250	TLBSPBSPTMA0606	3/8"	3/8"	29,0	31,0	19
225	TLBSPBSPTMA0808	1/2"	1/2"	34,0	37,5	22
200	TLBSPBSPTMA1010	5/8"	5/8"	38,0	40,0	27
	TLBSPBSPTMA1212	3/4"	3/4"	41,0	40,0	27
160	TLBSPBSPTMA1616	1"	1"	45,0	50,0	33
	TLBSPBSPTMA2020	1"1/4	1"1/4	52,0	60,0	41
	TLBSPBSPTMA2424	1"1/2	1"1/2	59,0	67,0	50
100	TLBSPBSPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A «T» MASCHIO DI ESTREMITÀ LATERALE

Filetto Gas Cilindrico/NPT

MALE STUD BARREL TEE

Thread BSP Parallel/NPT



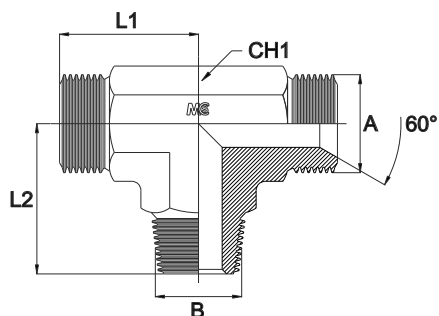
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TLBSPNPTMA0202	1/8"	1/8"	21,0	20,0	12
	TLBSPNPTMA0404	1/4"	1/4"	26,0	28,0	14
250	TLBSPNPTMA0606	3/8"	3/8"	29,0	31,0	19
225	TLBSPNPTMA0808	1/2"	1/2"	34,0	37,5	22
200	TLBSPNPTMA1010	5/8"	5/8"	38,0	40,0	27
	TLBSPNPTMA1212	3/4"	3/4"	41,0	40,0	27
160	TLBSPNPTMA1616	1"	1"	45,0	50,0	33
	TLBSPNPTMA2020	1" 1/4	1" 1/4	52,0	60,0	41
	TLBSPNPTMA2424	1" 1/2	1" 1/2	59,0	67,0	50
100	TLBSPNPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A «T» MASCHIO DI ESTREMITÀ CENTRALE

Filetto Gas Cilindrico/Conico

MALE STUD BRANCH TEE

Thread BSP Parallel/BSP Taper



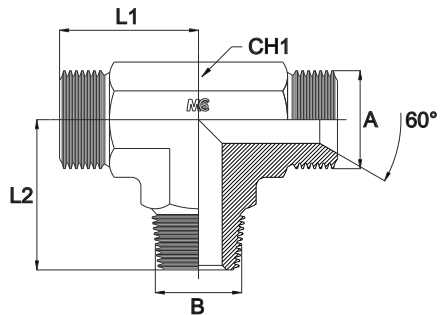
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TCBSPBSPTMA0202	1/8"	1/8"	21,0	20,0	12
	TCBSPBSPTMA0404	1/4"	1/4"	26,0	28,0	14
250	TCBSPBSPTMA0606	3/8"	3/8"	29,0	31,0	19
225	TCBSPBSPTMA0808	1/2"	1/2"	34,0	37,5	22
200	TCBSPBSPTMA1010	5/8"	5/8"	38,0	40,0	27
	TCBSPBSPTMA1212	3/4"	3/4"	41,0	40,0	27
160	TCBSPBSPTMA1616	1"	1"	45,0	50,0	33
	TCBSPBSPTMA2020	1" 1/4	1" 1/4	52,0	60,0	41
	TCBSPBSPTMA2424	1" 1/2	1" 1/2	59,0	67,0	50
100	TCBSPBSPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A «T» MASCHIO DI ESTREMITÀ CENTRALE

Filetto Gas Cilindrico/NPT

MALE BRANCH TEE

Thread BSP Parallel/NPT



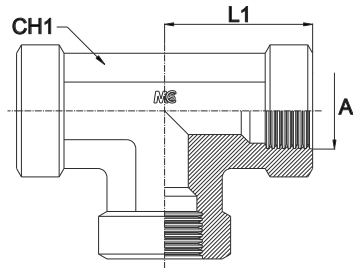
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TCBSPNPTMA0202	1/8"	1/8"	21,0	20,0	12
	TCBSPNPTMA0404	1/4"	1/4"	26,0	28,0	14
250	TCBSPNPTMA0606	3/8"	3/8"	29,0	31,0	19
225	TCBSPNPTMA0808	1/2"	1/2"	34,0	37,5	22
200	TCBSPNPTMA1010	5/8"	5/8"	38,0	40,0	27
	TCBSPNPTMA1212	3/4"	3/4"	41,0	40,0	27
160	TCBSPNPTMA1616	1"	1"	45,0	50,0	33
	TCBSPNPTMA2020	1" 1/4	1" 1/4	52,0	60,0	41
	TCBSPNPTMA2424	1" 1/2	1" 1/2	59,0	67,0	50
100	TCBSPNPTMA3232	2"	2"	78,0	76,0	65

ADATTATORE A «T» INTERMEDIO FEMMINA

Filetto Gas Cilindrico

FEMALE EQUAL TEE

Thread BSP Parallel



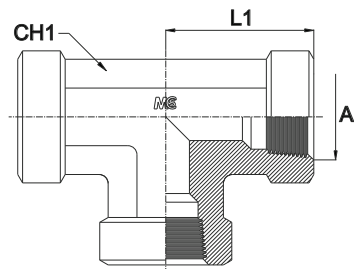
Bar W.P.	Codice Part Number	A	L1	CH1
350	TBSPFFA0202	1/8"	17,0	14
	TBSPFFA0404	1/4"	22,5	19
250	TBSPFFA0606	3/8"	26,0	22
225	TBSPFFA0808	1/2"	31,0	27
200	TBSPFFA1212	3/4"	34,5	33
160	TBSPFFA1616	1"	41,0	41
	TBSPFFA2020	1" 1/4	43,0	50
	TBSPFFA2424	1" 1/2	53,0	65
100	TBSPFFA3232	2"	61,0	70

ADATTATORE A «T» INTERMEDIO FEMMINA

Filetto NPT

FEMALE EQUAL TEE

Thread NPT



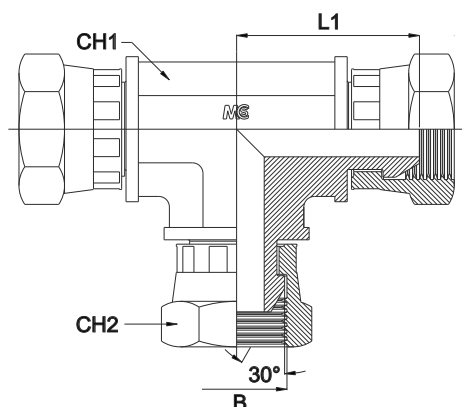
Bar W.P.	Codice Part Number	A	L1	CH1
350	TNPTFFA0202	1/8"	17,0	14
	TNPTFFA0404	1/4"	22,5	19
250	TNPTFFA0606	3/8"	26,0	22
225	TNPTFFA0808	1/2"	31,0	27
200	TNPTFFA1212	3/4"	34,5	33
160	TNPTFFA1616	1"	41,0	41
	TNPTFFA2020	1" 1/4	43,0	50
	TNPTFFA2424	1" 1/2	53,0	65
100	TNPTFFA3232	2"	61,0	70

ADATTATORE A «T» INTERMEDIO FEMMINA GIREVOLE

Filetto Gas Cilindrico

SWIVEL FEMALE EQUAL TEE

Thread BSP Parallel



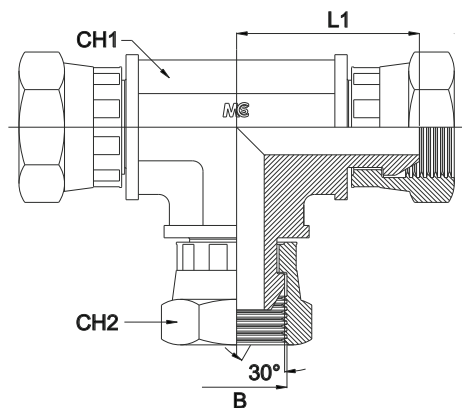
Bar W.P.	Codice Part Number	A	B	L1	CH1	CH2
400	TBSPSFA0202	1/8"	1/8"	18,0	12	17
	TBSPSFA0404	1/4"	1/4"	23,5	14	19
	TBSPSFA0606	3/8"	3/8"	25,5	19	22
350	TBSPSFA0808	1/2"	1/2"	29,5	22	27
	TBSPSFA1010	5/8"	5/8"	-	27	30
315	TBSPSFA1212	3/4"	3/4"	37,0	27	32
250	TBSPSFA1616	1"	1"	43,0	33	38
160	TBSPSFA2020	1"1/4	1"1/4	51,0	41	50
	TBSPSFA2424	1"1/2	1"1/2	59,0	50	55
125	TBSPSFA3232	2"	2"	-	65	70

ADATTATORE A «T» INTERMEDIO FEMMINA GIREVOLE

Filetto Metrico Cilindrico

SWIVEL FEMALE EQUAL TEE

Thread Metric Parallel



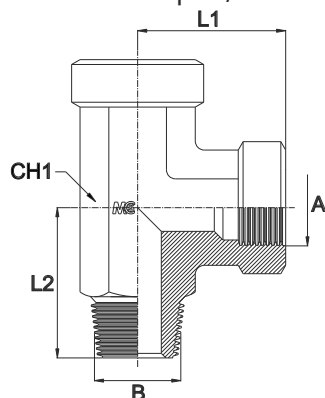
Bar W.P.	Codice Part Number	A	B	L1	CH1	CH2
400	TMSFA1212	12x1,5	12x1,5	18,0	12	17
	TMSFA1414	14x1,5	14x1,5	23,5	14	19
	TMSFA1616	16x1,5	16x1,5	25,5	19	22
	TMSFA1818	18x1,5	18x1,5	29,5	19	24
350	TMSFA2020	20x1,5	20x1,5	37,0	22	27
	TMSFA2222	22x1,5	22x1,5	43,0	22	27
315	TMSFA2626	26x1,5	26x1,5	51,0	27	32
250	TMSFA3030	30x1,5	30x1,5	59,0	33	36

ADATTATORE A «T» LATERALE MASCHIO/FEMMINA

Filetto Gas Conico/Cilindrico

MALE /FEMALE STUD BARREL TEE

Thread BSP Taper/BSP Parallel



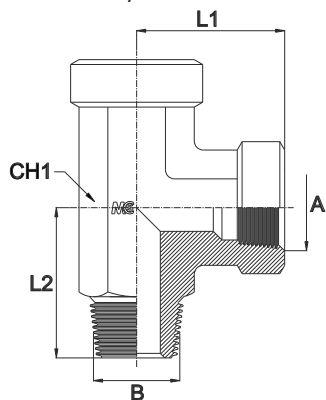
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TLBSPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	TLBSPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	TLBSPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	TLBSPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	TLBSPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
	TLBSPTBSPMFA1616	1"	1"	41,0	50,0	41
160	TLBSPTBSPMFA2020	1" 1/4	1" 1/4	43,0	60,0	50
	TLBSPTBSPMFA2424	1" 1/2	1" 1/2	53,0	67,0	65
100	TLBSPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A «T» LATERALE MASCHIO/FEMMINA

Filetto NPT/Gas Cilindrico

MALE/FEMALE STUD BARREL TEE

Thread NPT/BSP Parallel



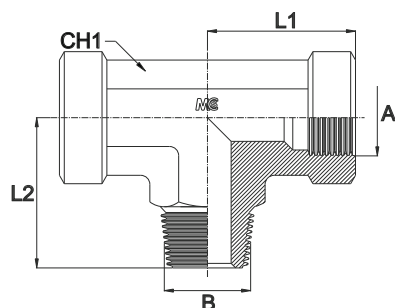
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TLNPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	TLNPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	TLNPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	TLNPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	TLNPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
	TLNPTBSPMFA1616	1"	1"	41,0	50,0	41
160	TLNPTBSPMFA2020	1"1/4	1"1/4	43,0	60,0	50
	TLNPTBSPMFA2424	1"1/2	1"1/2	53,0	67,0	65
100	TLNPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A «T» CENTRALE MASCHIO/FEMMINA

Filetto Gas Conico/Cilindrico

MALE/FEMALE STUD BRANCH TEE

Thread BSP Taper/BSP Parallel



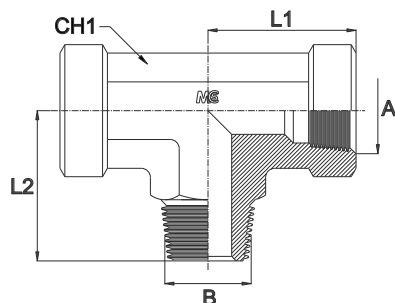
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TCBSPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	TCBSPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	TCBSPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	TCBSPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	TCBSPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
	TCBSPTBSPMFA1616	1"	1"	41,0	50,0	41
160	TCBSPTBSPMFA2020	1" 1/4	1" 1/4	43,0	60,0	50
	TCBSPTBSPMFA2424	1" 1/2	1" 1/2	53,0	67,0	65
100	TCBSPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A «T» CENTRALE MASCHIO/FEMMINA

Filetto NPT/Gas Cilindrico

MALE/FEMALE STUD BRANCH TEE

Thread NPT/BSP Parallel



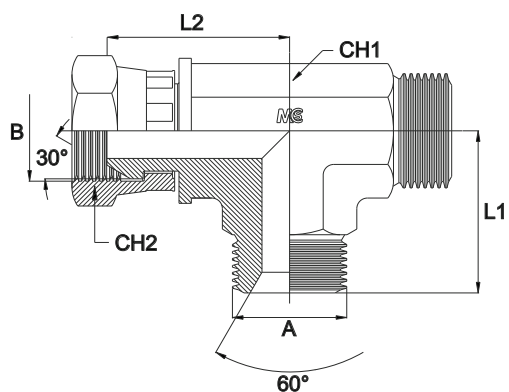
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1
350	TCNPTBSPMFA0202	1/8"	1/8"	17,0	20,0	14
	TCNPTBSPMFA0404	1/4"	1/4"	22,5	28,0	19
250	TCNPTBSPMFA0606	3/8"	3/8"	26,0	31,0	22
225	TCNPTBSPMFA0808	1/2"	1/2"	31,0	37,5	27
200	TCNPTBSPMFA1212	3/4"	3/4"	34,5	40,0	33
	TCNPTBSPMFA1616	1"	1"	41,0	50,0	41
160	TCNPTBSPMFA2020	1"1/4	1"1/4	43,0	60,0	50
	TCNPTBSPMFA2424	1"1/2	1"1/2	53,0	67,0	65
100	TCNPTBSPMFA3232	2"	2"	61,0	76,0	70

ADATTATORE A «T» LATERALE MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE STUD BARREL TEE

Thread BSP Parallel



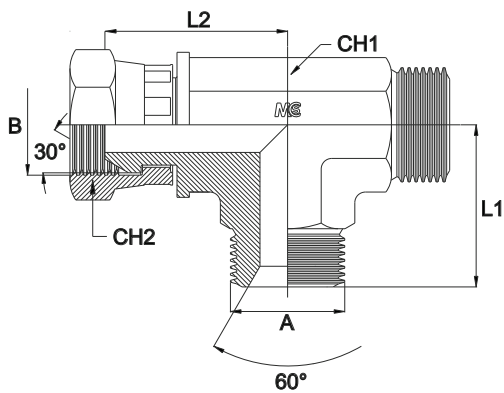
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	TLBSPMSFA0202	1/8"	1/8"	21,0	18,0	12	17
	TLBSPMSFA0404	1/4"	1/4"	26,0	23,5	14	19
	TLBSPMSFA0606	3/8"	3/8"	29,0	25,5	19	22
350	TLBSPMSFA0808	1/2"	1/2"	34,0	29,5	22	27
	TLBSPMSFA1010	5/8"	5/8"	38,0	-	27	30
315	TLBSPMSFA1212	3/4"	3/4"	41,0	37,0	27	32
250	TLBSPMSFA1616	1"	1"	45,0	43,0	33	38
160	TLBSPMSFA2020	1" 1/4	1" 1/4	57,0	51,0	41	50
	TLBSPMSFA2424	1" 1/2	1" 1/2	59,0	59,0	50	55
125	TLBSPMSFA3232	2"	2"	78,0	-	65	70

ADATTATORE A «T» LATERALE MASCHIO/FEMMINA GIREVOLE

Filetto Metrico Cilindrico

MALE/SWIVEL FEMALE STUD BARREL TEE

Thread Metric Parallel



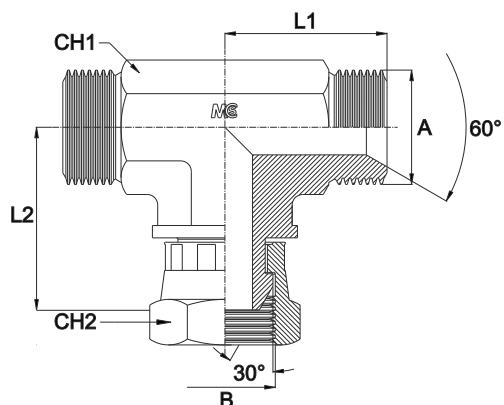
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	TLMMSFA1212	12x1,5	12x1,5	21,0	18,0	12	17
	TLMMSFA1414	14x1,5	14x1,5	26,0	23,5	14	19
	TLMMSFA1616	16x1,5	16x1,5	29,0	25,5	19	22
	TLMMSFA1818	18x1,5	18x1,5	29,0	29,5	19	24
350	TLMMSFA2020	20x1,5	20x1,5	34,0	37,0	22	27
	TLMMSFA2222	22x1,5	22x1,5	34,0	43,0	22	27
315	TLMMSFA2626	26x1,5	26x1,5	41,0	51,0	27	32
250	TLMMSFA3030	30x1,5	30x1,5	45,0	59,0	33	36

ADATTATORE A «T» CENTRALE MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE STUD BRANCH TEE

Thread BSP Parallel



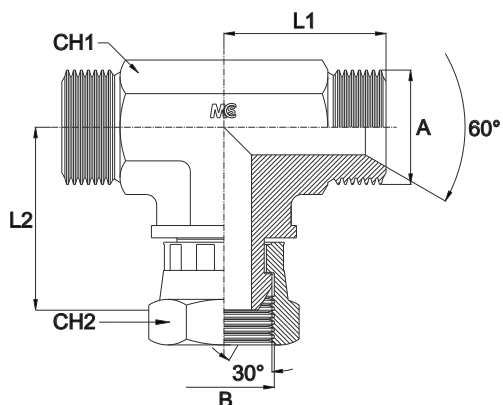
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	TCBSPMSFA0202	1/8"	1/8"	21,0	18,0	12	17
	TCBSPMSFA0404	1/4"	1/4"	26,0	23,5	14	19
	TCBSPMSFA0606	3/8"	3/8"	29,0	25,5	19	22
350	TCBSPMSFA0808	1/2"	1/2"	34,0	29,5	22	27
	TCBSPMSFA1010	5/8"	5/8"	38,0	-	27	30
315	TCBSPMSFA1212	3/4"	3/4"	41,0	37,0	27	32
250	TCBSPMSFA1616	1"	1"	45,0	43,0	33	38
160	TCBSPMSFA2020	1" 1/4	1" 1/4	57,0	51,0	41	50
	TCBSPMSFA2424	1" 1/2	1" 1/2	59,0	59,0	50	55
125	TCBSPMSFA3232	2"	2"	78,0	-	65	70

ADATTATORE A «T» CENTRALE MASCHIO/FEMMINA GIREVOLE

Filetto Metrico Cilindrico

MALE/SWIVEL FEMALE STUD BRANCH TEE

Thread Metric Parallel



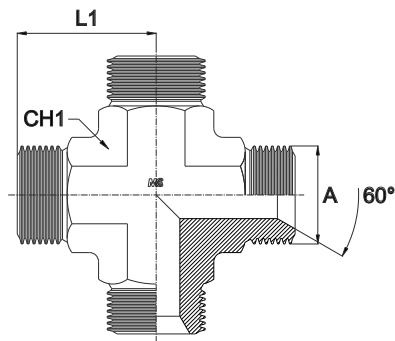
Bar W.P.	Codice Part Number	A	B	L1	L2	CH1	CH2
400	TCMMSFA1212	12x1,5	12x1,5	21,0	18,0	12	17
	TCMMSFA1414	14x1,5	14x1,5	26,0	23,5	14	19
	TCMMSFA1616	16x1,5	16x1,5	29,0	25,5	19	22
	TCMMSFA1818	18x1,5	18x1,5	29,0	29,5	19	24
350	TCMMSFA2020	20x1,5	20x1,5	34,0	37,0	22	27
	TCMMSFA2222	22x1,5	22x1,5	34,0	43,0	22	27
315	TCMMSFA2626	26x1,5	26x1,5	41,0	51,0	27	32
250	TCMMSFA3030	30x1,5	30x1,5	45,0	59,0	33	36

ADATTATORE A CROCE INTERMEDIO MASCHIO

Filetto Gas Cilindrico

MALE EQUAL CROSS

Thread BSP Parallel



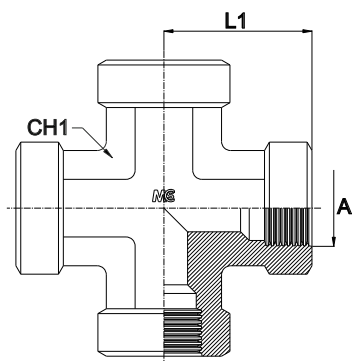
Bar W.P.	Codice Part Number	A	L1	CH1
400	CRBSPMA02	1/8"	21,0	12
	CRBSPMA04	1/4"	26,0	14
	CRBSPMA06	3/8"	29,0	19
350	CRBSPMA08	1/2"	34,0	22
	CRBSPMA10	5/8"	38,0	27
315	CRBSPMA12	3/4"	41,0	27
250	CRBSPMA16	1"	45,0	33
200	CRBSPMA20	1" 1/4	52,0	41
160	CRBSPMA24	1" 1/2	59,0	50
125	CRBSPMA32	2"	78,0	65

ADATTATORE A CROCE INTERMEDIO FEMMINA

Filetto Gas Cilindrico

FEMALE EQUAL CROSS

Thread BSP Parallel



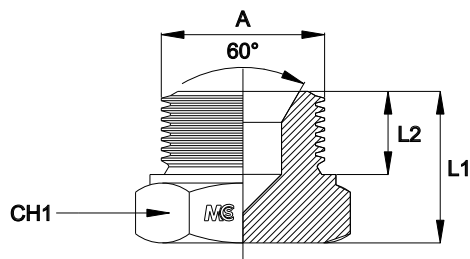
Bar W.P.	Codice Part Number	A	L1	CH1
350	CRBSPFFA02	1/8"	17,0	14
	CRBSPFFA04	1/4"	22,5	19
250	CRBSPFFA06	3/8"	26,0	22
225	CRBSPFFA08	1/2"	31,0	27
200	CRBSPFFA12	3/4"	34,5	33
	CRBSPFFA16	1"	41,0	41
160	CRBSPFFA20	1"1/4	43,0	50
	CRBSPFFA24	1"1/2	53,0	65
100	CRBSPFFA32	2"	61,0	70

TAPPO MASCHIO

Filetto Gas Cilindrico

MALE PLUG

Thread BSP Parallel



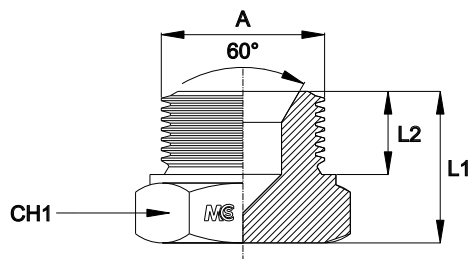
Bar W.P.	Codice Part Number	A	L1	L2	CH1
400	BSPMHP02	1/8"	16,5	8,0	14
	BSPMHP04	1/4"	19,5	11,0	19
	BSPMHP06	3/8"	21,0	12,0	22
350	BSPMHP08	1/2"	24,0	14,0	27
	BSPMHP10	5/8"	27,0	16,0	30
315	BSPMHP12	3/4"	27,0	16,0	32
250	BSPMHP16	1"	32,0	19,0	41
200	BSPMHP20	1" 1/4	34,0	20,0	50
160	BSPMHP24	1" 1/2	37,0	20,0	55
125	BSPMHP32	2"	41,0	24,5	70

TAPPO MASCHIO

Filetto Metrico Cilindrico

MALE PLUG

Thread Metric Parallel



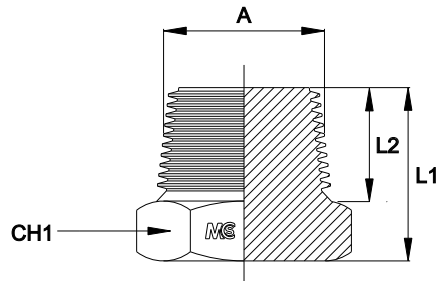
Bar W.P.	Codice Part Number	A	L1	L2	CH1
400	MMHP12	12x1,5	18,0	11,0	17
	MMHP14	14x1,5	18,0	11,0	19
	MMHP16	16x1,5	20,5	12,0	22
	MMHP18	18x1,5	22,0	14,0	24
350	MMHP20	20x1,5	24,0	14,0	27
	MMHP22	22x1,5	24,0	14,0	27
315	MMHP24	24x1,5	25,0	16,0	30
	MMHP26	26x1,5	26,0	16,0	32
250	MMHP28	28x1,5	26,0	16,0	34
	MMHP30	30x1,5	29,0	16,0	38

TAPPO MASCHIO

Filetto Gas Conico

MALE PLUG

Thread BSP Taper



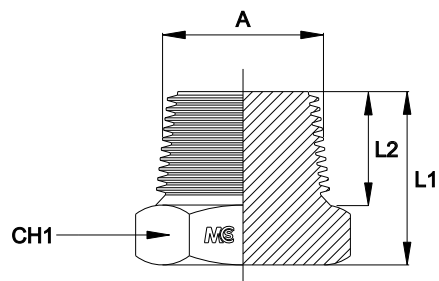
Bar W.P.	Codice Part Number	A	L1	L2	CH1
350	BSPTMHP02	1/8"	16,0	8,0	14
300	BSPTMHP04	1/4"	20,5	12,5	14
280	BSPTMHP06	3/8"	22,0	13,9	19
200	BSPTMHP08	1/2"	25,0	17,0	22
	BSPTMHP12	3/4"	26,5	17,5	27
120	BSPTMHP16	1"	32,0	22,0	36
105	BSPTMHP20	1"1/4	35,0	24,0	46
	BSPTMHP24	1"1/2	35,5	24,0	50
70	BSPTMHP32	2"	39,0	25,0	65

TAPPO MASCHIO

Filetto NPT

MALE PLUG

Thread NPT



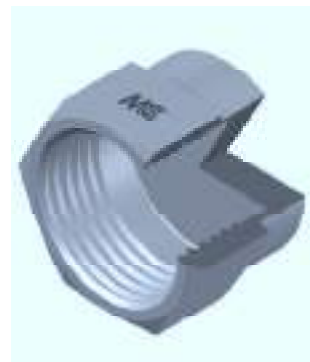
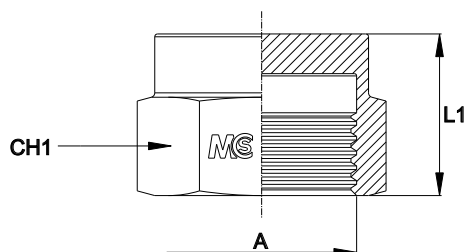
Bar W.P.	Codice Part Number	A	L1	L2	CH1
350	NPTMHP02	1/8"	17,0	10,0	14
	NPTMHP04	1/4"	21,0	14,0	14
250	NPTMHP06	3/8"	22,0	14,0	19
225	NPTMHP08	1/2"	27,0	19,0	22
200	NPTMHP12	3/4"	29,0	19,0	27
	NPTMHP16	1"	34,0	24,0	36
160	NPTMHP20	1" 1/4	36,0	25,0	46
	NPTMHP24	1" 1/2	36,0	25,0	50
100	NPTMHP32	2"	40,0	26,0	65

TAPPO FEMMINA FISSA

Filetto Gas Cilindrico

FIXED FEMALE PLUG

Thread BSP Parallel



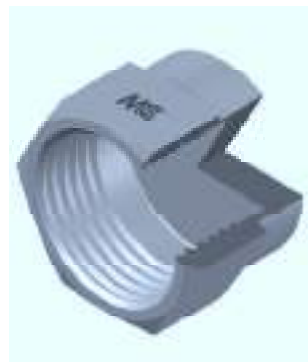
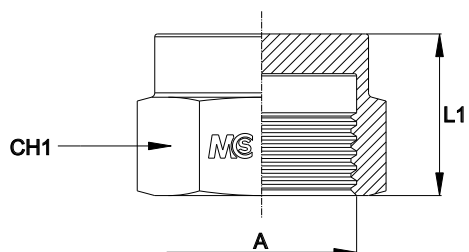
Bar W.P.	Codice Part Number	A	L1	CH1
400	BSPFHP04	1/4"	17,5	19
	BSPFHP06	3/8"	20,0	22
350	BSPFHP08	1/2"	23,0	27
	BSPFHP10	5/8"	24,0	30
315	BSPFHP12	3/4"	26,5	32
250	BSPFHP16	1"	28,5	38
200	BSPFHP20	1" 1/4	33,0	50
160	BSPFHP24	1" 1/2	33,0	55
125	BSPFHP32	2"	42,0	70

TAPPO FEMMINA FISSA

Filetto Metrico Cilindrico

FIXED FEMALE PLUG

Thread Metric Parallel



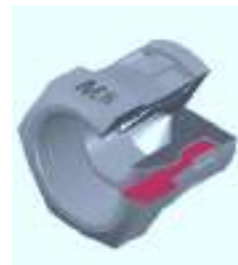
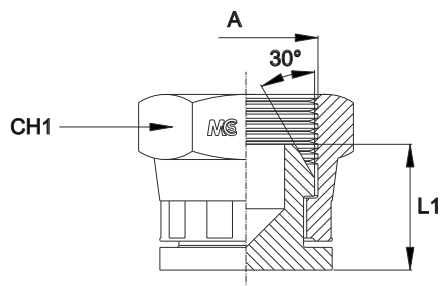
Bar W.P.	Codice Part Number	A	L1	CH1
400	MFHP12	12x1,5	17,0	17
	MFHP14	14x1,5	17,0	19
	MFHP16	16x1,5	21,0	22
	MFHP18	18x1,5	22,0	24
350	MFHP20	20x1,5	22,0	27
	MFHP22	22x1,5	22,0	27
315	MFHP24	24x1,5	24,0	30
	MFHP26	26x1,5	26,0	32
250	MFHP28	28x1,5	26,0	36

TAPPO FEMMINA GIREVOLE

Filetto Gas Cilindrico

SWIVEL FEMALE PLUG

Thread BSP Parallel



Bar W.P.	Codice Part Number	A	L1	CH1
400	BSPSFHP04	1/4"	13,5	19
	BSPSFHP06	3/8"	15,5	22
350	BSPSFHP08	1/2"	17,5	27
	BSPSFHP10	5/8"	17,5	30
315	BSPSFHP12	3/4"	20,0	32
250	BSPSFHP16	1"	21,8	38
160	BSPSFHP20	1" 1/4	21,0	50
	BSPSFHP24	1" 1/2	25,5	55

MCS

HYDRAULICS

Adattatori - Adaptors
DIN 2353 - Iso 8434-1



Collezione - Collection
2019

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ANELLO TAGLIENTE
CUTTING RINGS

Cod. CRL...-CRLS...-CRL...-CRS ..
 Cod. -CRL...Evo - CRS..Evo

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DADO
NUT

Cod. CNLL...-CNL...-CNS ..

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ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE L
 Filetto Gas Cilindrico SV.60°
MALE STUD COUPLING - L SERIES
 Bsp Parallel Thread 60° Cone

Cod. GE..LRG..B - GE..LRG..

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ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE S
 Filetto Gas Cilindrico SV.60°
MALE STUD COUPLING - S SERIES
 Bsp Parallel Thread 60° Cone

Cod. GE..SRG..B - GE..SRG..

Pag. 5.46



ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE L
 Filetto Metrico Cilindrico
MALE STUD COUPLING - L SERIES
 Metric Parallel Thread

Cod. GE..LM..B - GE..LM..

Pag. 5.47



ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE S
 Filetto Metrico Cilindrico
MALE STUD COUPLING - S SERIES
 Metric Parallel Thread

Cod. GE..SM..B - GE..SM..

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ADATTATORE MASCHIO DI
ESTREMITÀ CON GUARNIZIONE
PIANA - SERIE L
 Filetto Gas Cilindrico
MALE STUD COUPLING WITH
CAPTIVE SEAL - L SERIES
 BSP Parallel Thread
 Cod. GE..LRG..VB - GE..LRG..V

Pag. 5.49



ADATTATORE MASCHIO DI
ESTREMITÀ CON GUARNIZIONE
PIANA - SERIE S
 Filetto Gas Cilindrico
MALE STUD COUPLING WITH
CAPTIVE SEAL - S SERIES
 BSP Parallel Thread
 Cod. GE..SRG..VB - GE..SRG..V

Pag. 5.50



**ADATTATORE MASCHIO DI
ESTREMITÀ CON GUARNIZIONE
PIANA - SERIE L**
Filetto Metrico Cilindrico
**MALE STUD COUPLING WITH
CAPTIVE SEAL - L SERIES**
Metric Parallel Thread
Cod. GE..LM..VB - GE..LM..V

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**ADATTATORE MASCHIO DI
ESTREMITÀ CON GUARNIZIONE
PIANA - SERIE S**
Filetto Metrico Cilindrico
**MALE STUD COUPLING - WITH
CAPTIVE SEAL - S SERIES**
Metric Parallel Thread
Cod. GE..SM..VB - GE..SM..V

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**ADATTATORE FEMMINA DI
ESTREMITÀ - SERIE L/S**
Filetto Gas Cilindrico
FEMALE STUD COUPLING - L/S SERIES
BSP Parallel Thread

Cod. GAI..LRG..B - GAI..LRG..
Cod. GAI..SRG..B - GAI..SRG..

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**ADATTATORE FEMMINA DI
ESTREMITÀ - SERIE L/S**
Filetto Metrico Cilindrico
FEMALE STUD COUPLING - L/S SERIES
Metric Parallel Thread

Cod. GAI..LM..B - GAI..LM..
Cod. GAI..SM..B - GAI..SM..

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**ADATTATORE FEMMINA DI
ESTREMITÀ - SERIE L/S**
Filetto NPT
FEMALE STUD COUPLING - L/S SERIES
NPT Thread

Cod. GAI..NPTB - GAI..NPT

Pag. 5.55



**ADATTATORE MASCHIO DI
ESTREMITÀ CON O'RING - SERIE L**
Filetto UNF
**MALE STUD COUPLING
WITH O'RING - L SERIES**
UNF Thread

Cod. GE..L..UNFB - GE..L..UNF

Pag. 5.56



**ADATTATORE MASCHIO DI
ESTREMITÀ CON O'RING - SERIE S**
Filetto UNF
**MALE STUD COUPLING
WITH O'RING - S SERIES**
UNF Thread

Cod. GE..S..UNFB - GE..S..UNF

Pag. 5.57



**ADATTATORE DI ESTREMITÀ
PREMONTATO - SERIE L**
Filetto NPT
STUD STANDPIPE COUPLING - L SERIES
NPT Thread

Cod. EVGE..L..NPTB - EVGE..L..NPT

Pag. 5.58



**ADATTATORE DI ESTREMITÀ
PREMONTATO - SERIE S**
Filetto NPT
STUD STANDPIPE COUPLING - S SERIES
NPT Thread

Cod. EVGE..S..NPTB - EVGE..S..NPT

Pag. 5.59



**ADATTATORE DI ESTREMITÀ
PREMONTATO CON GUARNIZIONE
PIANA - SERIE L**
Filetto Gas Cilindrico
**STUD STANDPIPE COUPLING WITH
CAPTIVE SEAL - L SERIES**
BSP Parallel Thread
Cod. EVGE..LG..VB - EVGE..LG..V

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**ADATTATORE DI ESTREMITÀ
PREMONTATO CON GUARNIZIONE
PIANA - SERIE S**
Filetto Gas Cilindrico
**STUD STANDPIPE COUPLING WITH
CAPTIVE SEAL - S SERIES**
BSP Parallel Thread
Cod. EVGE..SG..VB - EVGE..SG..V

Pag. 5.61



**ADATTATORE DI ESTREMITÀ
PREMONTATO CON GUARNIZIONE
PIANA - SERIE L**
Filetto Metrico Cilindrico
**STUD STANDPIPE COUPLING WITH
CAPTIVE SEAL - L SERIES**
Metric Parallel Thread
Cod. EVGE..LM..VB - EVGE..LM..V

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**ADATTATORE DI ESTREMITÀ
PREMONTATO CON GUARNIZIONE
PIANA - SERIE S**
Filetto Metrico Cilindrico
**STUD STANDPIPE COUPLING WITH
CAPTIVE SEAL - S SERIES**
Metric Parallel Thread
Cod. EVGE..SM..VB - EVGE..SM..V

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**ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE L**
Filetto Gas Conico
MALE STUD COUPLING - L SERIES
BSP Taper Thread

Cod. GE..L..BSPTB - GE..L..BSPT

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**ADATTATORE MASCHIO DI
ESTREMITÀ - SERIE S**
Filetto Gas Conico
MALE STUD COUPLING - S SERIES
BSP Taper Thread

Cod. GE..S..BSPTB - GE..S..BSPT

Pag. 5.65



**ADATTATORE DI MASCHIO DI
ESTREMITÀ - SERIE L**
Filetto NPT
MALE STUD COUPLING - L SERIES
NPT Thread

Cod. GE..L..NPTB - GE..L..NPT

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**ADATTATORE DI MASCHIO DI
ESTREMITÀ - SERIE S**
Filetto NPT
MALE STUD COUPLING - S SERIES
NPT Thread

Cod. GE..S..NPTB - GE..S..NPT

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DIRITTO DI ESTREMITÀ
Filetto Metrico Conico
MALE STUD COUPLING
Metric Taper Thread

Cod. GE..LM..B - GE..SM..B -
GE..LM.. - GE..SM..

Pag. 5.68



**ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO - SERIE L**
Filetto Gas Conico
MALE STUD ELBOW - L SERIES
BSP Taper Thread

Cod. LE..L..BSPTB - LE..L..BSPT

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**ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO - SERIE S**
Filetto Gas Conico
MALE STUD ELBOW - S SERIES
BSP Taper Thread

Cod. LE..S..BSPTB - LE..S..BSPT

Pag. 5.70



**ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO - SERIE L**
Filetto NPT
MALE STUD ELBOW - L SERIES
NPT Thread

Cod. LE..L..NPTB - LE..L..NPT

Pag. 5.71



**ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO - SERIE S**
Filetto NPT
MALE STUD ELBOW - S SERIES
NPT Thread

Cod. LE..S..NPTB - LE..S..NPT

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**ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO**
Filetto Metrico Conico
MALE STUD ELBOW
Metric Taper Thread

Cod. LE..LM..B - LE..LM..

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**ADATTATORE MASCHIO DI
ESTREMITÀ**
Filetto Gas Cilindrico
MALE STUD ELBOW
BSP Parallel Thread

Cod. LE..LRG..B - LE..SRG..B - LE..LRG..
- LE..SRG..

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ADATTATORE MASCHIO DI ESTREMITÀ
Filetto Metrico Cilindrico
MALE STUD ELBOW
Metric Parallel Thread

Cod. LE..LM..B - LE..SM..B - LE..LM.. - LE..SM..

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ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE
Filetto Gas Conico
MALE STUD BRANCH TEE
BSP Taper Thread

Cod. TC..L..BSPTB - TC..S..BSPTB - TC..L..BSPT - TC..S..BSPT

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ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE
Filetto NPT
MALE STUD BRANCH TEE
NPT Thread

Cod. TC..L..NPTB - TC..S..NPTB - TC..LNPT - TC..S..NPT

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ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE
Filetto Metrico Cilindrico
MALE STUD BRANCH TEE
Metric Taper Thread

Cod. TC..LM..B - TC..SM..B - TC..LM.. - TC..SM..

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ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE
Filetto Gas Cilindrico
MALE STUD BRANCH TEE
BSP Parallel Thread

Cod. TC..LRG..B - TC..SRG..B - TC..LRG.. - TC..SRG..

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ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE
Filetto Metrico Cilindrico
MALE STUD BRANCH TEE
Metric Parallel Thread

Cod. TC..LM..B - TC..SM..B - TC..LM.. - TC..SM..

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ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE
Filetto Gas Conico
MALE STUD BARREL TEE
Bsp Taper Thread

Cod. TL..L..BSPTB - TL..S..BSPTB - TL..L..BSPT - TL..S..BSPT

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ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE
Filetto NPT
MALE STUD BARREL TEE
NPT Thread

Cod. TL..L..NPTB - TL..S..NPTB - TL..L..NPT - TL..S..NPT

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ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE
Filetto Metrico Conico
MALE STUD BARREL TEE
Metric Taper Thread

Cod. TL..LM..B - TL..SM..B - TL..LM.. - TL..SM..

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ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE
Filetto Gas Cilindrico
MALE STUD BARREL TEE
BSP Parallel Thread

Cod. TL..LRG..B - TL..SRG..B - TL..LRG.. - TL..SRG..

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ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE
Filetto Metrico Cilindrico
MALE STUD BARREL TEE
Metric Parallel Thread

Cod. TL..LM..B - TL..SM..B - TL..LM.. - TL..SM..

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ADATTATORE MASCHIO INTERMEDIO
STRAIGHT UNION COUPLING

Cod. GV..LB - GV..SB - GV..L - GV..S

Pag. 5.86



ADATTATORE INTERMEDIO
PASSAPARETE CON CONTRODADO
BULKHEAD STRAIGHT UNION
COUPLING WITH LOCKNUT

Cod. GSV..LB - GSV..SB - GSV..L - GSV..S

Pag. 5.87



ADATTATORE INTERMEDIO
PASSAPARETE A GOMITO CON CONT.
BULKHEAD ELBOW
COUPLING WITH LOCKNUT

Cod. WSV..LB - WSV..SB - WSV..L - WSV..S

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ADATTATORE MASCHIO INTERMEDIO
A GOMITO
MALE ELBOW UNION COUPLING

Cod. LV..LB - LV..SB - LV..L - LV..S

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ADATTATORE MASCHIO
INTERMEDIO A T
MALE TEE UNION COUPLING

Cod. TV..LB - TV..SB - TV..L - TV..S

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ADATTATORE MASCHIO
INTERMEDIO A CROCE
MALE CROSS STUD COUPLING

Cod. CRV..LB - CRV..SB - CRV..L - CR..S

Pag. 5.91



ADATTATORE MASCHIO
INTERMEDIO RIDOTTO - SERIE L
STRAIGHT REDUCING
MALE COUPLING - L SERIES

Cod. GRV..LB - GRV..L

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ADATTATORE MASCHIO
INTERMEDIO RIDOTTO - SERIE S
STRAIGHT REDUCING
MALE COUPLING - S SERIES

Cod. GRV..SB - GRV..S

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ADATTATORE A GOMITO DI
ESTREMITÀ A CODOLO
STUD STANDPIPE ELBOW

Cod. EVW..LB - EVW..SB -
EVW..L - EVW..S

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ADATTATORE INTERMEDIO
A T RIDOTTO - SERIE L
REDUCING TEE UNION
COUPLING - L SERIES

Cod. TRV..LB - TRV..L

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ADATTATORE INTERMEDIO
A T RIDOTTO - SERIE S
REDUCING TEE UNION
COUPLING - S SERIES

Cod. TRV..SB - TRV..S

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ADATTATORE DI ESTREMITÀ
A T LATERALE A CODOLO
STUD STANDPIPE BARREL TEE

Cod. TLW..LB - TLW..SB -
TLW..L - TLW..S

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ADATTATORE TERMINALE
PASSAPARETE CON CONTRODADO
E GUARNIZIONE
BULKHEAD STUD COUPLING WITH
LOCKNUT AND CAPTIVE SEAL

Cod. GSV..L.VB - GSV..S.VB -
GSV..L.V - GSV..S.V

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ADATTATORE DI ESTREMITÀ
A T CENTRALE A CODOLO
STUD STANDPIPE BRANCH TEE

Cod. TCVW..LB - TCVW..SB -
TCVW..L - TCVW..S

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ADATTATORE DI RIDUZIONE
A CODOLO - SERIE L
REDUCING STANDPIPE
COUPLING - L SERIES

Cod. EVGE..LB - EVGE..L

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ADATTATORE DI RIDUZIONE
A CODOLO - SERIE S
REDUCING STANDPIPE
COUPLING - S SERIES

Cod. EVGE..SB - EVGE..S

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ADATTATORE MASCHIO DI
ESTREMITÀ -A SALDARE
WELD ON STRAIGHT MALE
COUPLING (WELDING BOSS)

Cod. WB..LB - WB..SB - WB..L - WB..S

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PASSAPARETE A SALDARE
WELD ON BULKHEAD
STRAIGHT COUPLING

Cod. WBC..LB - WBC..SB -
WBC..L - WBC..S

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CODOLO A SALDARE CON O'RING
WELD ON NIPPLE WITH O'RING

Cod. OSM..

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ADATTATORE MASCHIO DI
ESTREMITÀ A GOMITO A SALDARE
WELD ON MALE STUD ELBOW

Cod. WA..LB - WA..SB - WA..L - WA..S

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TAPPO CON O'RING
PLUG WITH O'RING

Cod. TM..L - TM..S

Pag. 5.106



TAPPO MASCHIO ESAGONO
INCASSATO CON GUARNIZIONE PIANA
Filetto Gas Cilindrico
MALE PLUG INNER HEXAGON AND
CAPTIVE SEAL
BSP Parallel Thread

Cod. BSPMIP..

Pag. 5.107



TAPPO MASCHIO ESAGONO
INCASSATO CON GUARNIZIONE PIANA
Filetto Metrico Cilindrico
MALE PLUG INNER HEXAGON AND
CAPTIVE SEAL
Metrico Parallel Thread

Cod. MIP..

Pag. 5.107



TAPPO MASCHIO SV. 24°
MALE PLUG 24° CONE

Cod. MMHP..LB - MMHP..SB
MMHP..L - MMHP..S

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ADATTATORE FEMMINA INTERMEDIO
STRAIGHT FEMALE UNION COUPLING

Cod. SFUC..LB - SFUC..SB -
SFUC..L - SFUC..S

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CONTRODADO PER ADATTATORE INTERMEDIO PASSAPARETE
LOCKNUT FOR BULKHEAD STRAIGHT UNION COUPLING

Cod. GM..

Pag. 5.110



DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E GUARNIZIONE PIANA
 Filetto Gas Cilindrico
MALE STUD COUPLING WITH SWIVEL NUT AND CAPTIVE SEAL
 BSP Parallel Thread

Cod. EGE..LG..V - EGE..SG..V

Pag. 5.111



DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E GUARNIZIONE PIANA
 Filetto Metrico Cilindrico
MALE STUD COUPLING WITH SWIVEL NUT AND CAPTIVE SEAL
 Metric Parallel Thread

Cod. EGE..LM..V - EGE..SM..V

Pag. 5.112



DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E O'RING
 Filetto UNF/UN-2A
MALE STUD COUPLING WITH SWIVEL NUT AND O'RING
 Thread UNF/UN-2A

Cod. EGE..L..UNF - EGE..S..UNF

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DIRITTO DI ESTREMITÀ CON DADO GIREVOLE
 Filetto NPT
MALE STUD COUPLING WITH SWIVEL NUT
 NPT Thread

Cod. EGE..L..NPT - EGE..S..NPT

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DIRITTO INTERMEDIO CON DADO GIREVOLE
STRAIGHT COUPLING WITH SWIVEL NUT

Cod. GZ..L - GZ..S

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GOMITO ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD ELBOW

Cod. EW..LB - EW..SB - EW..L - EW..S

Pag. 5.116



T LATERALE ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD BARREL TEE

Cod. TLW..LB - TLW..SB - TLW..L - TLW..S

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T CENTRALE ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD BRANCH TEE

Cod. TCW..LB - TCW..SB - TCW..L - TCW..S

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RIDUZIONE CODOLO CON DADO GIREVOLE - SERIE S
REDUCING TUBE ADAPTER WITH SWIVEL NUT - S SERIES

Cod. RED..LB - RED..L

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RIDUZIONE A CODOLO CON DADO GIREVOLE - SERIE S
REDUCING TUBE ADAPTER WITH SWIVEL NUT - S SERIES

Cod. RED..SB - RED..S

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ADATTATORE A CODOLO CON DADO GIREVOLE - SERIE L/S
TUBE ADAPTER WITH SWIVEL NUT - L/S SERIES

Cod. EGE..LB - EGE..SB - EGE..L - EGE..S

Pag. 5.121



DIRITTO DI ESTREMITÀ CON DADO GIREVOLE
 Filetto Gas Conico
MALE STUD COUPLING WITH SWIVEL NUT
 BSP Taper Thread
 Cod. EGE..L..BSPT - EGE..S..BSPT

Pag. 5.122



GOMITO ORIENTABILE CON O'RING E RONDELLA SPECIALE
 Filetto Gas Cilindrico-Metrico Cilindrico
ADJUSTABLE MALE STUD ELBOW WITH O'RING AND SPECIAL WASHER
 BSP Parallel Thread-Metric Parallel Thread
 Cod. EW..SWB - EW..SW

Pag. 5.123



O'RING
O'RING
 Cod. GOR..

Pag. 5.124



GUARNIZIONE PIANA
CAPTIVE SEAL
 Cod. GTZ..V

Pag. 5.125



RONDELLA BONDED AUTOCENTRANTE
 AISI 316
SELF CENTERING BONDED
 AISI 316
 Cod. BSSC..

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INFORMAZIONE SUI PRODOTTI E DATI GENERALI

General Information

I raccordi ad anello tagliente M.C.S. Hydraulics, sono conformi alle normative ISO 8434-1 – DIN 2353.

Questi raccordi sono progettati per l'utilizzo su tubi metrici, e permettono di realizzare dei collegamenti efficaci ma smontabili, tra due diverse tubazioni.

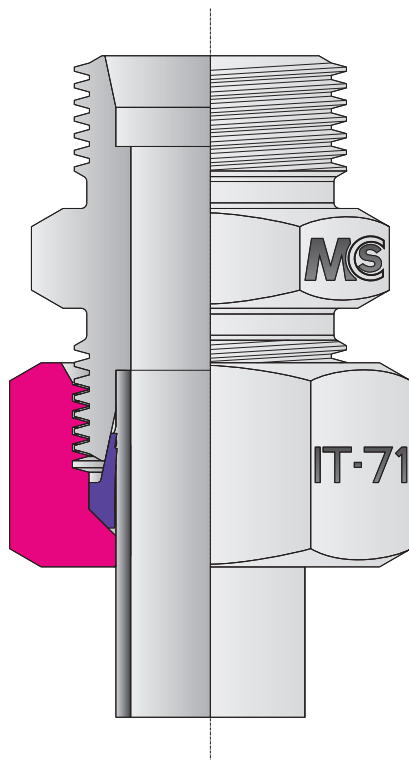
L'ermeticità del prodotto è data dalla ormai consolidata ogiva a doppio tagliente, infatti, durante il serraggio provocato dall'avvitamento del dado, l'anello si deforma tramite la svasatura a 24° del raccordo, creando sul tubo due profonde incisione. La prima crea uno stabile risvolto di materiale, garantendo l'ermeticità ed il bloccaggio dell'anello sul tubo; la seconda, contribuisce a distribuire uniformemente la forze sull'intero cono, evitando che le vibrazioni raggiungano la prima.

Compression fittings manufactured by M.C.S. are based on ISO8434-1 and DIN 2353 standards.

These fittings are designed for metric tube, they make it possible to obtain a sealed but dismountable joint between two rigid tubes.

As the nut is tightened, the cutting ring is pushed into the 24° cone of the coupling, cutting the tube with both cutting edges.

After assembly a visible collar of cut tube material completely fill the space in front of the first cutting edge guaranteeing a hermetic seal; thanks to the second cutting edge all forces are equally distributed, this prevents vibration and flexure stresses.



ACCIAI IMPIEGATI

Steel Used on all Series

Componenti <i>Components</i>	Materiale - Material		Normativa <i>Reference Norm.</i>
Anello - Ring	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Dado - Nut	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo da barra Straight Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo forgiato Forged Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088

TRATTAMENTO DI FINITURA

Cleaning Process

Processo di Lavaggio ad Ultrasuoni:

Tutti gli articoli prodotti dalla M.C.S. Hydraulics sono sottoposti ad un trattamento di lavaggio ed asciugatura ad ultrasuoni.

La M.C.S. Hydraulics utilizza un sistema di vasche di lavaggio ad ultrasuoni doppia frequenza con moduli di risciacquo ed asciugatura; le bolle di cavitazione generate dalle onde ultrasoniche, consentono la rimozione di impurità e residui, come polvere, olii, grassi, trucioli e bave di lavorazione che aderiscano alla superficie metallica, senza peraltro intaccare il materiale stesso.

La tecnologia del lavaggio con ultrasuoni è molto diffusa come sistema per la pulizia di gioielleria, nonché di dispositivi medici ed odontoiatrici e viene sempre più spesso utilizzata per il lavaggio industriale: al termine di tale processo il raccordo si presenta brillante, completamente pulito e sterilizzato e soprattutto si presta ad essere utilizzato per svariate applicazioni particolari.

Ultrasonic Cleaning:

Each item produced by M.C.S. Hydraulics is subjected to an ultrasonic cleaning treatment. M.C.S. employs a cleaning device that uses Ultrasonic dual frequency waves and an appropriate cleaning

solvent, to clean each and every product.

Cavitation bubbles induced by the Ultrasound waves, act on a number of contaminants (Such as dirt, dust, grease etc.) adhering to metal.

This action also penetrates blind holes, cracks, and recesses; the intention is to remove all traces of contamination from surface .

Ultrasonics are used for industrial cleaning, but also in many medical and dental techniques: at the end of this process, fittings are bright, completely cleaned, sterilized and ready to be used even for very particular applications.

TRATTAMENTO TERMICO

Heat treatment

Nella gamma di adattatori DIN 2353, il principio di funzionamento dell'anello di tenuta, si basa sull'adesione e sull'incisione dell'anello sul tubo, ma la durezza degli acciai inox austenitici (AISI 316) è contenuta, perciò questi materiali sono troppo teneri per poter incidere la condotta in modo efficiente; pertanto, l'anello subisce un trattamento di nitrurazione ionica che gli conferisce un'elevata tenacità, durezza superficiale e resistenza alla corrosione, facendogli perdere inoltre parte della loro amagnetività.

The functioning of the cutting ring for adapters DIN 2353 consists in sealing the ring on the tube, but because the hardness of austenitic stainless steel (AISI 316) is restrained, these materials are too stretchy to carve efficiently. So the ring is subjected to a ionic nitriding which gives it toughness, outer hardness and resistance to corrosion, this process at the same time eliminates part of its a-magnetivity

LUBRIFICAZIONE DEI COMPONENTI

Lubrication of the components

Per un corretto impiego dei nostri adattatori, è necessario eseguire una corretta lubrificazione su tutti i componenti da montare. Il lubrificante che vi consigliamo rappresenta l'ultima generazione di lubrificanti sintetici, esso è costituito da particelle ultrafini di lubrificanti solidi inorganici, il tutto in un composto sintetico che vi permetterà di impiegarlo con temperature e pressioni estremamente elevate, infatti, non solidificherà nell'impiego tra -34°C e 1204°C e garantirà una tenuta ottimale fino a 4730 kg/cm². Inoltre, è ecologico in quanto non contiene metalli pesanti velenosi che danneggerebbero il personale che vi entrerebbe in contatto. Il nostro ufficio tecnico sarà a vostra completa disposizione per qualsiasi informazione tecnica relativa al suddetto lubrificante.

It is necessary a correct lubrication of each component to use our adapters correctly. The lubricant we recommend belongs to the latest generation of synthetic lubricants; it is formed by a synthetic compound of very small particles of solid inorganic lubricants. It can be used at extremely high temperatures and pressures; in fact it does not solidify between -34°C and 1204°C and it guarantees an optimum seal until 4730 kg/cm². Besides, it is ecological because it does not contain noxious heavy metal which could be dangerous for people who come in contact with it. Our technical office will be at your disposal for further technical information.

TABELLA COMPATIBILITÀ FLUIDI

Fluids Compatibility table

Fluido	Acciaio Inox	NBR	VITON®	Fluido	Acciaio Inox	NBR	VITON®
Acetilene	O	N	N	Gas Naturale Non Trattato	O	N	N
Acetone	O	N	N	Gasolio	O	O	O
Acido Cloridrico	S	N	O	Glicerina	O	O	O
Acido Fosforico	N	N	S	Glicole	O	O	O
Acido Nitrico	S	N	S	Idrogeno	O	O	O
Acido Solforico	S	N	O	Iodio	O	S	O
Acqua	S	N	O	Kerosene	O	O	O
Acqua Distillata	O	O	O	Metano	O	O	O
Acqua Marina	S	O	O	Metanolo	O	O	O
Acqua Ossigenata	O	N	O	Nafta	O	O	O
Acquaragia	O	O	O	Neon	O	O	O
Ammoniaca Gassosa, Fredda	O	O	N	Olio	O	O	O
Ammoniaca Liquida	O	S	N	Olio da Riscaldamento	O	O	N
Anidride Carbonica	O	O	S	Olio dei Freni	O	N	O
Argo	O	O	O	Olio della Trasmissione	O	O	O
Aria	O	O	O	Olio Minerale	O	O	O
Aria compressa	O	O	O	Olio Minerale Naturale	O	S	O
ASTM-Oil, 1	O	O	O	Olio per Comandi Idraulici	O	O	O
ASTM-Oil, 2	O	O	O	Olio Vegetale	O	O	O
ASTM-Oil, 3	O	O	O	Ossido di Carbonio	O	O	N
Azoto	O	O	O	Ossigeno	O	N	O
Benzene	O	N	O	Ozono	O	N	O
Biossido di Zolfo	O	N	O	Pentano	O	O	O
Bisolfuro di Carbonio	O	N	O	Pentano Liquido	O	O	O
Butano	O	O	O	Propano	O	O	O
Cloro	O	N	O	Silicone	O	O	O
Elio	O	O	O	Stirene	O	S	O
Etano	O	O	N	Toluolo	O	N	S
Etere	O	O	N	Trielina	S	N	S
Gas Combustibile	O	O	S	Vapore	O	N	N
Gas Naturale	O	O	O	Xilolo	O	N	O

Legenda: O = Ottimo; S = Sufficiente; N = Non Raccomandato.

Legend : O = Excellent ; S = Sufficient ; N = Not Recommended

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VITON® is a DuPont Dow Elastomers Trade Mark

TUBI IN ACCIAIO INOSSIDABILE CONSIGLIATI

Recommended Stainless Steel Tubes

Si consiglia l'uso di tubi in acciaio inossidabile calibrati e lucidati, trafilati a freddo senza saldatura, in AISI 316 Ti secondo la norma DIN 17458 o ASTM A269, con durezza massima sul diametro esterno di 85HRB. Le pressioni indicate nella tabella a seguire sono state rilevate in condizioni di carico costante e temperatura compresa tra i -20°C e i 120°C

The use of seamless stainless steel Aisi 316Ti (EN 1.4571) cold drawn, brightened tubes, according to DIN 17458 or ASTM A269, with maximum hardness on outer diameter of 85HRB is recommended. Pressure shown in the following table has been noticed in conditions of constant load and temperature between -20°C and 120°C.

Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-I Statico bar	Peso Kg/m	Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-I Statico bar	Peso Kg/m		
4	±0,1	0,5	326	0,048	18	±0,08	1,5*	245	0,619		
		1	544	0,076			2	326	0,801		
6	±0,1	1	406	0,125			2,5	409	0,971		
		1,5	572	0,169			3	426	1,128		
8	±0,1	2	721	0,200			20	±0,08	2**	294	0,902
		1	347	0,225					2,5	368	1,095
		1,5	449	0,244					3	389	1,277
		2	572	0,301					3,5	444	1,446
		2,5	686	0,344					4	498	1,602
10	±0,1	1	294	0,225					22	±0,08	2**
		1,5	389	0,319	2,5	334					1,220
		2	498	0,401	3	401					1,427
		2,5	601	0,469	25	±0,08					2**
3	694	0,526	2,5	294					1,408		
12	±0,08	1*	245	0,275	28	±0,08	3	352	1,653		
		1,5	368	0,394			4	411	2,104		
		2	426	0,500			4,5	456	2,310		
		2,5	516	0,595			2**	210	1,301		
		3	601	0,676			30	±0,08	2,5	263	1,596
3,5	679	0,745	3	315	1,878						
14	±0,08	1,5	315	0,469	35	±0,15	2**	175	1,402		
		2	420	0,601			2,5	245	1,721		
		2,5	452	0,720			3	294	2,028		
		3	529	0,826			4	392	2,604		
		3,5	601	0,920			38	±0,15	2**	168	2,222
1,5	294	0,507	2,5	210	2,034						
15	±0,08	2	392	0,651	42	±0,2	3	252	2,403		
		3	498	0,902			4	336	3,104		
		1,5**	275	0,544			3**	232	2,628		
16	±0,08	2	368	0,702	42	±0,2	4	310	3,405		
		2,5	402	0,845			5	387	4,131		
		3	471	0,977			3**	210	2,929		
							4	280	3,806		

* Per tubi a norma DIN 2353 utilizzare la boccia di rinforzo adeguata.

** Utilizzare solo con raccordi a norma SAE J514.

*For tubes according to DIN 2353 it is necessary to use a support sleeve.

**You must use them only with fittings according to SAEJ514.

GUARNIZIONI IMPIEGATE Sealing Materials :

Le guarnizioni impiegate, possono essere sia in NBR ed hanno una temperatura di esercizio compresa tra i -35°C ed i 100°C e durezza 85±5 Shore, sia in VITON® se dovessero sostenere temperature di esercizio più elevate comprese tra i -25°C ed i 200°C e durezza 80±5 Shore. Tali prodotti devono essere stoccati secondo la norma DIN 7716 (Requisiti per l'immagazzinamento di prodotti in gomma e caucciù).

Seals used can be in NBR (Nitrile Rubber), so they have an operating temperature from -35°C to 100°C and hardness 85± 5 Shore, and in Viton® in case they are used for highest temperature from -25°C to 200°C and hardness 80±5 Shore. These products must be stored according to DIN 7716 (This is essential for the stocking of rubber products).

TEMPERATURE AMMESSE E RIDUZIONI DI PRESSIONE Pressure reductions and Temperature

Acciaio inossidabile da -60°C a 200°C secondo ISO 8434.

La riduzione della pressione di esercizio sui raccordi in acciaio inossidabile 1.4571 deve essere applicata in funzione della temperatura di esercizio riscontrata, secondo la NORMA ISO 8434. In caso di sistema con più componenti i parametri devono essere calcolati sul componente più debole.

Stainless steel from -60°C to 200°C according to ISO 8434.

The reduction of the operating pressure on stainless steel fittings 14571 must be applied according to the operating temperature, in accordance with ISO 8434. For systems consisting of more components the parameters must be calculated on the weakest component.

<i>Tipo di acciaio impiegato</i> Type of Steel used	<i>Temperatura di esercizio</i> Operating temperature	<i>Riduzione della pressione di esercizio</i> Oper. Press.Reduc.
1,4571	≥ 50°C	-4%
1,4571	≥100°C	-11%
1,4571	≥200°C	-20%

RESPONSABILITÀ

Liability

PRESCRIZIONI DA RISPETTARE

Warning

- *Rispettare tutte le indicazioni di montaggio contenuto in questo catalogo.*
 - *Utilizzare per le connessioni, tubi di qualità come da «tabella tubi consigliati»*
 - *Sui tubi a pareti sottili applicare boccole di rinforzo.*
 - *Utilizzare solo componenti M.C.S. per le connessioni e non alterare il prodotto originale M.C.S. .*
 - *Lubrificare sempre tutti i componenti come indicato nelle istruzioni di montaggio.*
 - *Rispettare la pressioni e le temperature indicate nel catalogo.*
 - *Controllare visivamente il corretto graffaggio dell'anello tagliente sul tubo.*
 - *Premontare l'anello tagliente con punzoni temprati o con macchine di premontaggio; non è consentito il montaggio in opera.*
 - *Il non utilizzo delle suddette prescrizioni, oltre ad alterare la sicurezza funzionale dei nostri prodotti, esclude tutti i diritti di garanzia.*
- *Observe assembly instructions contained in this catalogue;*
 - *Observe Tube Recommendations (See page 5: Recommended stainless steel tubes);*
 - *In case of assembly with thin walled tubes, apply support sleeves;*
 - *For complete safety, use only M.C.S. components; do not alter/modify M.C.S.'s products;*
 - *Components must be lubricated as seen in the Assembly Instructions section;*
 - *Observe pressure and temperatures as indicated;*
 - *Check the correct stapling of the cutting ring on the tube;*
 - *Preassemble the cutting ring using pre-assembly hardened tools or pre-assembly machines; assembly during the operation is not allowed;*
 - *There is no functional safety of our products and no warranty rights without observing the above described instructions.*

RESPONSABILITÀ PRODOTTO

Product Liability

I prodotti M.C.S. sono garantiti esenti da difetti di lavorazione e di materiale. Tale garanzia verrà applicata al prodotto effettivamente difettoso che presenti non conformità o mal funzionamenti non riscontrabili al momento dell'acquisto, purché lo stesso sia utilizzato esattamente come riportato nelle nostre istruzioni di montaggio e comunque entro e non oltre sei mesi dalla data di acquisto del materiale.

M.C.S.'s products are guaranteed without manufacturing or material fault. This warranty will be applied to the product effectively faulty, which presents a bad functioning not showed at the moment of the purchase and only if it has been used as recommended in our assembly instructions and within six months after the purchase date.

COLLAUDO Testing

I raccordi M.C.S. sono costruiti rispettando integralmente la norma ISO 8434-1/DIN2353 di riferimento. Le pressioni riportate nel presente catalogo sono quelle massime consentite collaudate con un fattore di sicurezza 4:1 sia per le connessioni tubo-tubo, che per i terminali cilindrici con guarnizione incassata. Il fattore di sicurezza scende a 2.5:1 sui terminali cilindrici con tenuta in metallo su metallo e sui terminali a filettatura conica. Inoltre tutta la gamma di adattatori DIN 2353 prodotta dalla M.C.S. Hydraulics è stata collaudata fino alla pressione di scoppio del tubo rigido. La M.C.S. Hydraulics S.r.l. dispone, per le prove interne, di un banco per prove in pressioni di tubi che consente di eseguire test di tenuta, scoppio ed a pressione pulsante fino a 4000 Bar; su richiesta è possibile effettuare il collaudo dei componenti ordinati ed ottenere il rilascio del certificato delle prove eseguite secondo la ISO 8434-5: è possibile infine richiedere che tali prove vengano eseguite alla presenza di ispettori di Enti Certificatori; tra i quali si citano (a titolo esemplificativo e non esaustivo): Rina, Lloyd's, Register, DNV etc.

M.C.S.'s Din compression couplings are completely manufactured in accordance with ISO 8434-1/DIN 2353 standards.

Pressure values shown in this catalogue are those maximum allowed and tested considering the security factor 4:1, it is intended for tube to tube connections and parallel stud couplings with captive seal. The security factor is 2.5:1 for metal to metal sealing parallel and taper parallel threaded stud couplings. Besides, all Din 2353 couplings manufactured by M.C.S. Hydraulics have been tested up to tube burst pressure.

A test bench is available to provide in-house static, burst and pulsing pressure tests up to 4000 Bar. On request it is possible to test the components and to issue certificates according to ISO 8434-5.

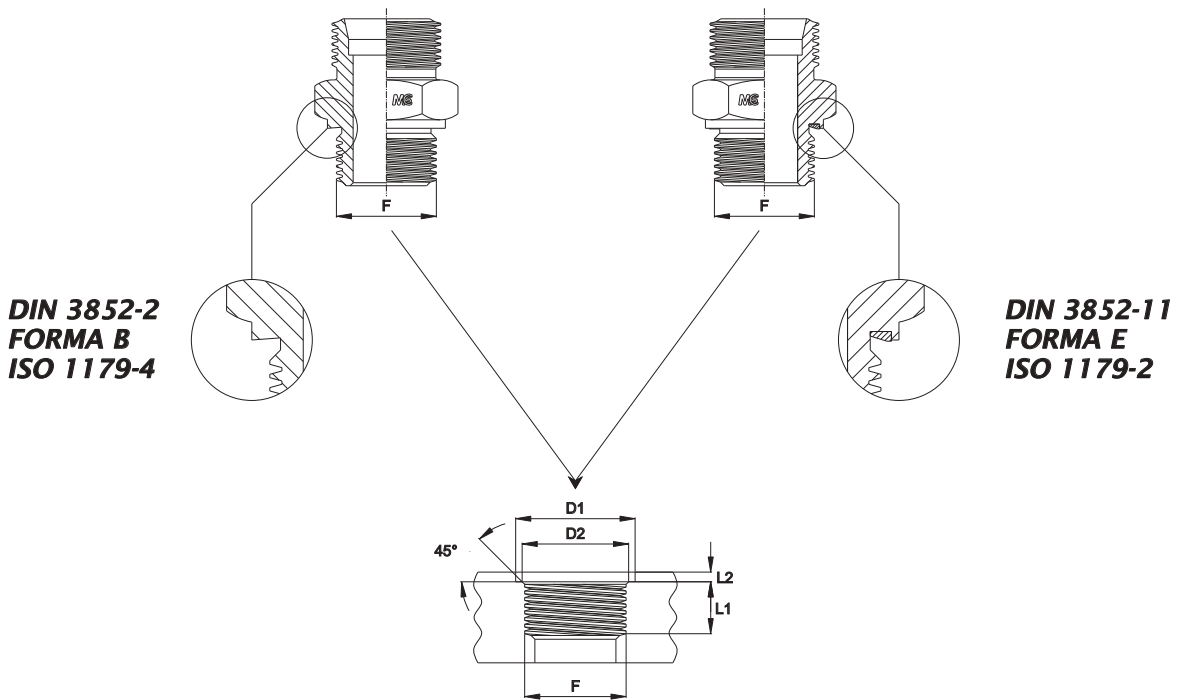
It is also possible to have these tests performed in the presence of qualified inspectors: Rina, Lloyd's Register, DNV for instance.



COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Din 2353 con Filetto Gas Cilindrico

Stud Ends DIN 2353 with BSP Thread

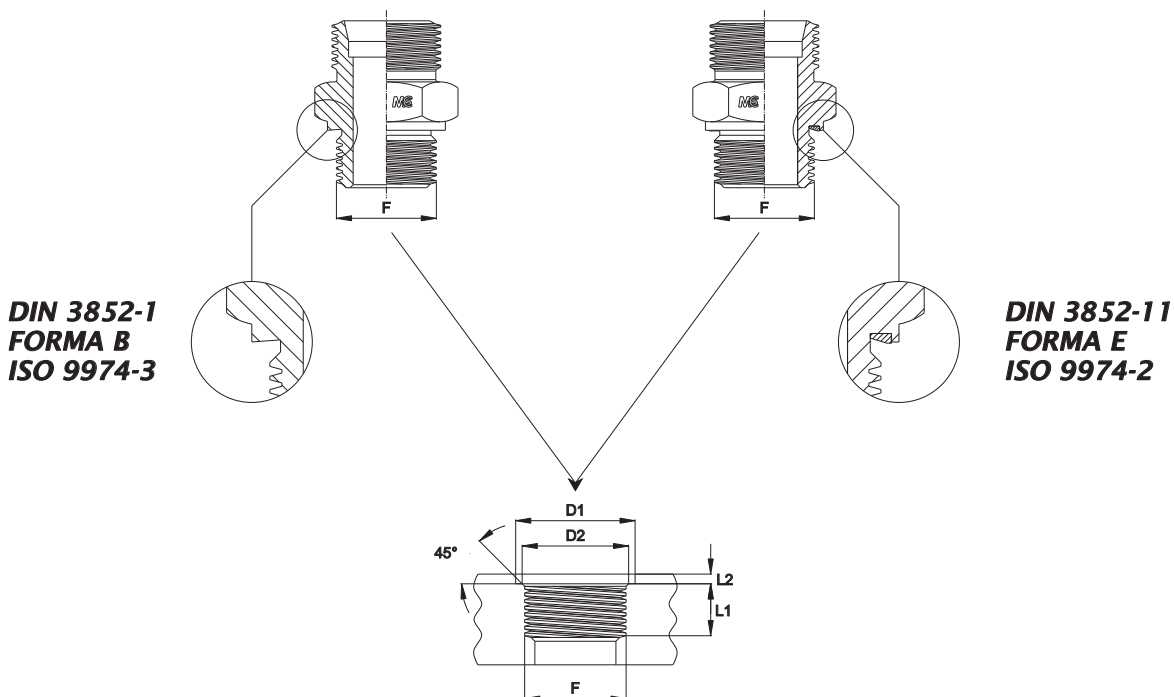


Filetto Gas Cilindrico - BSP Thread								
Serie	Tubo	F	D1 Min	D2	L1 Min	L2 Max	Coppia (NM)	Coppia (NM)
Series	Tube						Torque (NM)	Torque (NM)
							Type 1	Type 2
L	6	1/8"	15	9,8	8	1,0	20	20
	8	1/4"	20	13,2	12	1,5	45	45
	10	1/4"	20	13,2	12	1,5	45	45
	12	3/8"	23	16,7	12	2,0	70	70
	15	1/2"	28	21,0	14	2,5	130	85
	18	1/2"	28	21,0	14	2,5	130	85
	22	3/4"	33	26,5	16	2,5	170	170
	28	1"	41	33,3	18	2,5	330	330
	35	1"1/4	51	42,0	20	2,5	510	430
	42	1"1/2	56	47,9	22	2,5	600	510
S	6	1/4"	20	13,2	12	1,5	55	55
	8	1/4"	20	13,2	12	1,5	55	55
	10	3/8"	23	16,7	12	2,0	85	80
	12	3/8"	23	16,7	12	2,0	85	80
	14	1/2"	28	21,0	14	2,5	150	110
	16	1/2"	28	21,0	14	2,5	150	110
	20	3/4"	33	26,5	16	2,5	280	170
	25	1"	41	33,3	18	2,5	330	330
	30	1"1/4	51	42,0	20	2,5	510	430
	38	1"1/2	56	47,9	22	2,5	680	510

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Din 2353 con Filetto Metrico Cilindrico

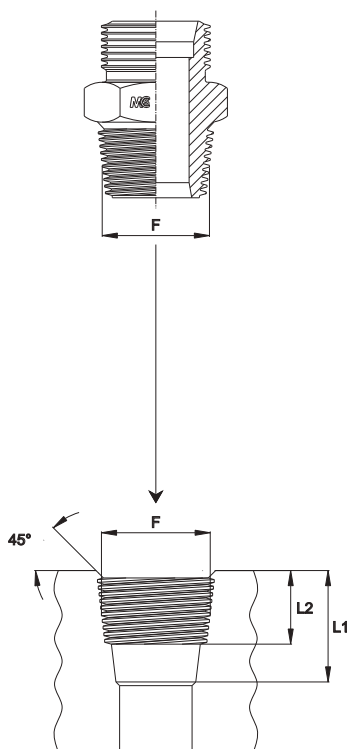
Stud Ends DIN 2353 with METRIC Thread



Filetto Metrico Cilindr. - Metric Thread								
Serie	Tubo	F	D1 Min	D2	L1 Min	L2 Max	Coppia (NM) Tipo 1	Coppia (NM) Tipo 2
Series	Tube						Torque (NM) Type 1	Torque (NM) Type 2
L	6	10x1,0	15	10,0	8	1,0	20	20
	8	12x1,5	18	12,0	12	1,5	30	30
	10	14x1,5	20	14,0	12	1,5	45	45
	12	16x1,5	23	16,0	12	1,5	60	55
	15	18x1,5	25	18,0	12	2,0	80	70
	18	22x1,5	28	22,0	14	2,5	130	120
	22	26x1,5	33	26,0	16	2,5	180	170
	22	27x2,0	33	27,0	16	2,5	-	-
	28	33x2,0	41	33,0	18	2,5	330	330
	35	42x2,0	51	42,0	20	2,5	470	430
42	48x2,0	56	48,0	22	2,5	600	510	
S	6	12x1,5	18	12,0	12	1,5	40	40
	8	14x1,5	20	14,0	12	1,5	55	55
	10	16x1,5	23	16,0	12	1,5	80	70
	12	18x1,5	25	18,0	12	2,0	105	85
	14	20x1,5	27	20,0	14	2,0	150	120
	16	22x1,5	28	22,0	14	2,5	170	130
	20	27x2,0	33	27,0	16	2,5	200	170
	25	33x2,0	41	33,0	18	2,5	390	330
	30	42x2,0	51	42,0	20	2,5	510	430
38	48x2,0	56	48,0	22	2,5	680	510	

Raccordi Din 2353 con Filetto Gas Conico Stud Ends DIN 2353 with BSPT Thread

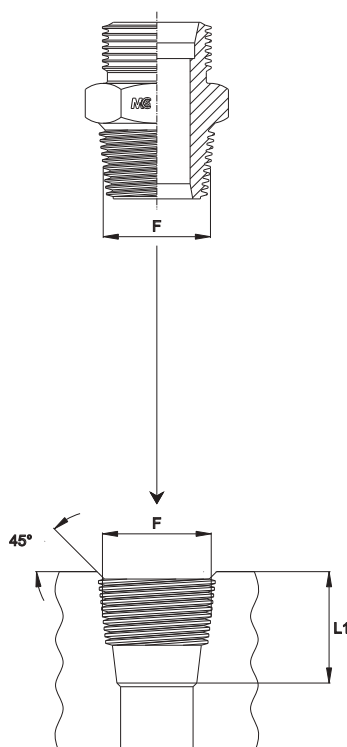
DIN 3852-2
FORMA C



Filetto Gas Conico-BSPT Thread				
Serie	Tubo	F	L1	L2
Series	Tube			
L	6	1/8"	9,5	5,5
	8	1/4"	13,5	8,5
	10	1/4"	13,5	8,5
	12	3/8"	13,5	8,5
	15	1/2"	16,5	10,5
	18	1/2"	16,5	10,5
	22	3/4"	19	13,0
	28	1"	-	-
	35	1"1/4	-	-
	42	1"1/2	-	-
S	6	1/4"	13,5	8,5
	8	1/4"	13,5	8,5
	10	3/8"	13,5	8,5
	12	3/8"	13,5	8,5
	14	1/2"	16,5	10,5
	16	1/2"	16,5	10,5
	20	3/4"	19	13,0
	25	1"	-	-
	30	1"1/4	-	-
	38	1"1/2	-	-

Raccordi Din 2353 con Filetto NPT Stud Ends DIN 2353 with NPT Thread

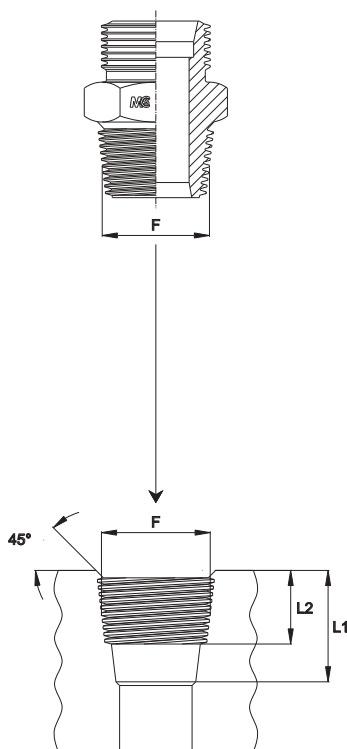
DIN 3852-2
FORMA C



Filetto NPT - NPT Thread			
Serie Series	Tubo Tube	F	L1
L	6	1/8"-27	11,6
	8	1/4"-18	16,4
	10	1/4"-18	16,4
	12	3/8"-18	17,4
	15	1/2"-14	22,6
	18	1/2"-14	22,6
	22	3/4"-14	23,1
	28	1"-11,5	27,8
	35	1"1/4-11,5	28,3
42	1"-1/211,5	28,3	
S	6	1/4"-18	16,4
	8	1/4"-18	16,4
	10	3/8"-18	17,4
	12	3/8"-18	17,4
	14	1/2"-14	22,6
	16	1/2"-14	22,6
	20	3/4"-14	23,1
	25	1"-11,5	27,8
	30	1"1/4-11,5	28,3
38	1"-1/211,5	28,3	

Raccordi Din 2353 con Filetto Metrico Conico Stud Ends DIN 2353 with Metric Taper Thread

DIN 3852-1
FORMA C



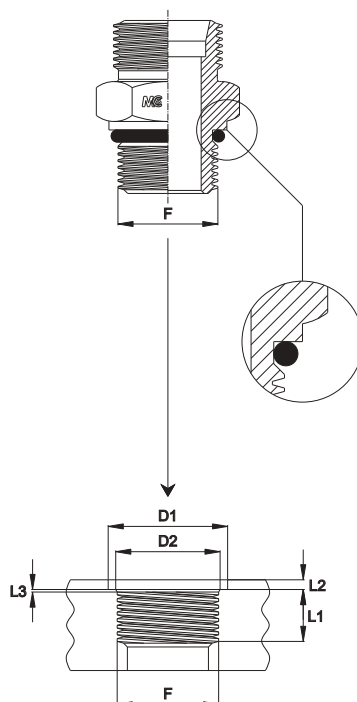
Filetto Metrico Conico - Metric Taper Thread				
Serie Series	Tubo Tube	F	L1	L2
L	6	10x1,0	10,0	5,5
	8	12x1,5	13,5	8,5
	10	14x1,5	13,5	8,5
	12	16x1,5	13,5	8,5
	15	18x1,5	13,5	8,5
	18	22x1,5	15,5	10,5
S	6	12x1,5	13,5	8,5
	8	14x1,5	13,5	8,5
	10	16x1,5	13,5	8,5
	12	18x1,5	13,5	8,5
	14	20x1,5	15,5	10,5
	16	22x1,5	15,5	10,5

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Din 2353 con Filetto UNF/UN-2A

Stud Ends DIN 2353 with UNF/UN-2A Thread

ISO 11926-2/3

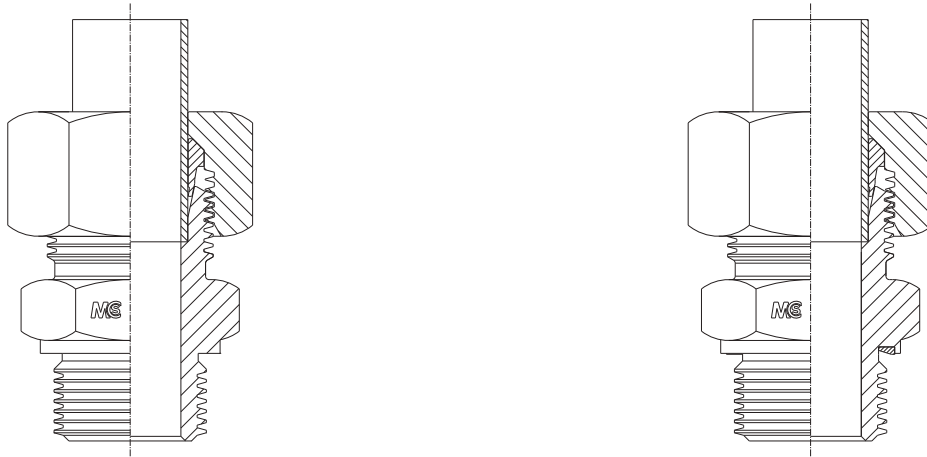


Filetto UNF/UN-2A - UNF/UN-2A Thread									
Serie	Tubo	F	D1 Min	D2	L1 Min	L2 Max	L3	Z'	Coppia (NM)
Series	Tube								Torque (NM)
L	6	7/16-20	21,0	12,45	11,5	1,6	2,4	12	20
	8	1/2-20	23,0	14,05	11,5	1,6	2,4	12	25
	10	1/2-20	23,0	14,05	11,5	1,6	2,4	12	25
	12	9/16-18	25,0	15,70	12,7	1,6	2,5	12	30
	15	3/4-16	30,0	20,65	14,3	2,4	2,5	15	45
	18	3/4-16	30,0	20,65	14,3	2,4	2,5	15	45
	18	7/8-14	34,0	24,00	16,7	2,4	2,5	15	55
	22	1"1/16-12	41,0	29,20	19,0	2,4	3,3	15	85
	28	1"5/16-12	49,0	35,55	19,0	3,2	3,3	15	130
	35	1"5/8-12	58,0	43,55	19,0	3,2	3,3	15	170
S	42	1"7/8-12	65,0	49,90	19,0	3,2	3,3	15	180
	6	1/2-20	23,0	14,05	11,5	1,6	2,4	12	25
	8	1/2-20	23,0	14,05	11,5	1,6	2,4	12	25
	10	9/16-18	25,0	15,70	12,7	1,6	2,5	12	35
	12	9/16-18	25,0	15,70	12,7	1,6	2,5	12	35
	14	3/4-16	30,0	20,65	14,3	2,4	2,5	15	60
	16	3/4-16	30,0	20,65	14,3	2,4	2,5	15	60
	16	7/8-14	34,0	24,00	16,7	2,4	2,5	15	85
	20	1"1/16-12	41,0	29,20	19,0	2,4	3,3	15	150
	25	1"5/16-12	49,0	35,55	19,0	3,2	3,3	15	230
30	1"5/8-12	58,0	43,55	19,0	3,2	3,3	15	250	
38	1"7/8-12	65,0	49,90	19,0	3,2	3,3	15	320	

COPPIE DI SERRAGGIO - Assembly Torques

Anello tagliente - Cono DIN 3861 per acciaio inox

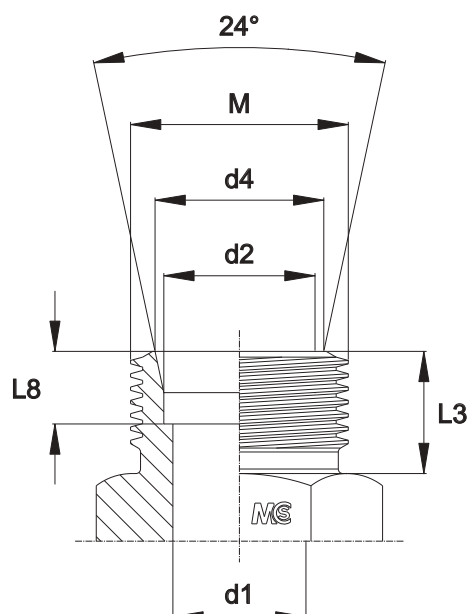
Cutting Ring - DIN 3861 cone for Stainless Steel



Serie	Tubo	Filetto Metrico	Manuale Inox (Nm)	Macchina Inox (Bar)
Series	Tube	Metric Thread	Manual Stainless (Nm)	Machine Stainless (Bar)
L	6	12x1,5	30	20
	8	14x1,5	55	30
	10	16x1,5	85	35
	12	18x1,5	120	35
	15	22x1,5	130	40
	18	26x1,5	220	60
	22	30x2,0	320	70
	28	36x2,0	500	80
	35	45x2,0	970	100
	42	52x2,0	1110	160
S	6	14x1,5	45	20
	8	16x1,5	55	30
	10	18x1,5	90	35
	12	20x1,5	105	35
	14	22x1,5	150	40
	16	24x1,5	180	55
	20	30x2,0	340	80
	25	36x2,0	530	105
	30	42x2,0	610	130
	38	52x2,0	850	160

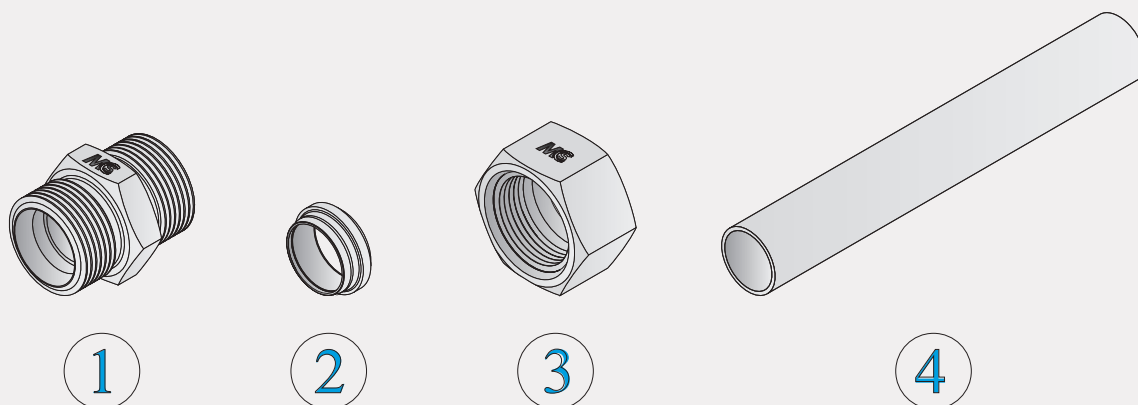
MISURE DEL CONO A NORMA DIN 3861 E DIAMETRO DEI FILETTI A NORMA DIN 3853

Definition Of Cone Size to DIN 3861 Standards
Thread Diameters to DIN 3853 Standards



Serie	Bar	Ø Tubo	Filetto Metrico	d1	d2	d4 ^{+0,1}	L3	L8 ^{+0,3}
Series		Ø Tube	Metric Thread					
LL	100	4	8x1,0	3,0	4,0	5,0	8,0	4,0
		6	10x1,0	4,5	6,0	7,5	8,0	5,5
		8	12x1,5	6,0	8,0	9,5	9,0	5,5
L	250	6	12x1,5	4,0	6,0	8,1	10,0	7,0
		8	14x1,5	6,0	8,0	10,1	10,0	7,0
		10	16x1,5	8,0	10,0	12,3	11,0	7,0
		12	18x1,5	10,0	12,0	14,3	11,0	7,0
		15	22x1,5	12,0	15,0	17,3	12,0	7,0
	160	18	26x1,5	15,0	18,0	20,3	12,0	7,5
		22	30x2,0	19,0	22,0	24,3	14,0	7,5
	100	28	36x2,0	24,0	28,0	30,3	14,0	7,5
		35	45x2,0	30,0	35,0	38,0	16,0	10,5
42		52x2,0	36,0	42,0	45,0	16,0	11,0	
S	630	6	14x1,5	4,0	6,0	8,1	12,0	7,0
		8	16x1,5	5,0	8,0	10,1	12,0	7,0
		10	18x1,5	7,0	10,0	12,3	12,0	7,5
		12	20x1,5	8,0	12,0	14,3	12,0	7,5
		14	22x1,5	10,0	14,0	16,3	14,0	8,0
	400	16	24x1,5	12,0	16,0	18,3	14,0	8,5
		20	30x2,0	16,0	20,0	22,9	16,0	10,5
		25	36x2,0	20,0	25,0	27,9	18,0	12,0
	250	30	42x2,0	25,0	30,0	33,0	20,0	13,5
38		52x2,0	32,0	38,0	41,0	22,0	16,0	

- ISTRUZIONI DI MONTAGGIO - - ASSEMBLY INSTRUCTIONS -



I raccordi a norma UNI EN ISO 8434-1 prodotti dalla M.C.S. Hydraulics sono costituiti dai seguenti componenti:

- 1)Corpo raccordo;
- 2)Anello tagliente;
- 3)Dado;
- 4)Tubo rigido.

Tali componenti assemblati a regola d'arte vanno a generare un unico corpo a tenuta stagna, la cui tenuta, è determinata dal serraggio tra il dado e il corpo raccordo che avanzando, fanno sì che, l'anello tagliente scivoli tra la superficie conica del dado e quella cilindrica del tubo, sin dentro all'imbocco conico a 24° del corpo raccordo, andando così, ad intagliare il tubo omogeneamente su tutta la superficie creando un graffaggio tale da garantire l'ermeticità e l'antisfilamento dell'anello dal tubo.

UNI EN ISO 8434-1 Compression fittings manufactured by M.C.S. Hydraulics, consist of:

- 1)Body
- 2)Cutting Ring
- 3)Compression Nut
- 4)Rigid Tube

These components, when assembled in line with proper practice and according to manufacturer's specifications, provide a sealed joint. As the nut is tightened, the cutting ring is pushed into the 24° cone of the coupling. As a result of this compression the cone inside the ring expands and the pipe is smoothly blocked by teeth guaranteeing a hermetic seal.

1 - Avvertenze

1 - Warning

Le seguenti istruzioni di montaggio espongono le tre distinte possibilità di montaggio:

- A) Montaggio diretto sul corpo del raccordo;
- B) Montaggio con punzone di pre-montaggio temprato;
- C) Montaggio con macchina di pre-montaggio.

Per montaggi in successione sconsigliamo il montaggio diretto sul corpo del raccordo. Si consiglia, quindi, l'uso di attrezzature di pre-montaggio.

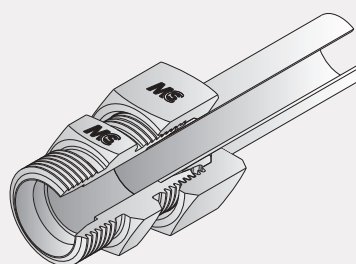
E' molto importante che vengano seguite rigorosamente le istruzioni di montaggio descritte di seguito poiché un uso improprio comporterebbe rischi sia per la sicurezza che per la tenuta di lieve o grave entità.

The following Assembly instructions describe three

Different procedures for Assembly:

- A) Manual assembly Direct in fitting;
- B) Assembly using pre-assembly hardened tool;
- C) Assembly using pre-assembly machine.

For repeated assembly, the use of pre-assembly work-shop machines is recommended instead of manual direct in fitting assembly. You are strongly advised to follow these strict assembly Instructions. An incorrect assembly may cause leaks as well as safety risks.



Si consiglia l'uso di tubi in acciaio inossidabile calibrati e lucidati, trafilati a freddo senza saldatura, in aisi 316 Ti secondo la norma DIN 17458 o ASTM A269, con durezza massima sul diametro esterno di 85HRB (vedi tabella acciaio da impiegare).

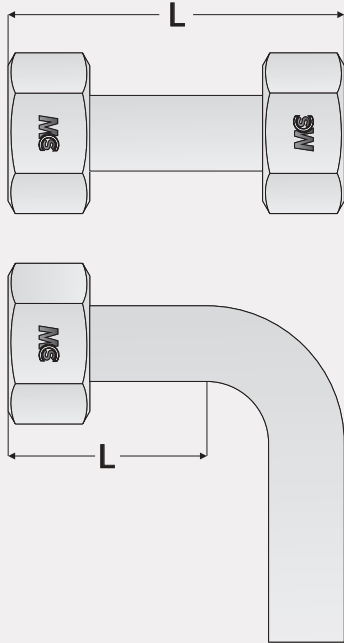
The use of seamless stainless steel Aisi 316Ti (EN 1.4571) cold drawn, brightened tubes, according to DIN 17458 or ASTM A269, with maximum hardness on outer diameter of 85HRB (see table) is recommended.



2 - Preparazione del tubo

2 - Tube preparation

2.1



Prima di cominciare l'installazione bisogna necessariamente determinare le eventuali lunghezze minime del tubo rigido le quali sono:

- Un tubo tra due raccordi necessita uno spazio minimo di 2.5/3 volte l'altezza del dado da utilizzare;
 - Mentre un tubo con una qualsiasi angolazione necessita di uno spazio minimo di 2 volte l'altezza del dado da utilizzare.
- In caso di pre-montaggio meccanico è indispensabile consultare le lunghezze minime riportate nel manuale d'uso della macchina.

Before starting the assembly procedure, it is necessary To determine the minimum tube lengths, according to the following rules: - Minimum length for straight tube ends = 2.5/3 times nut length;

- In case bending is required, the minimum length = 2 times nut length

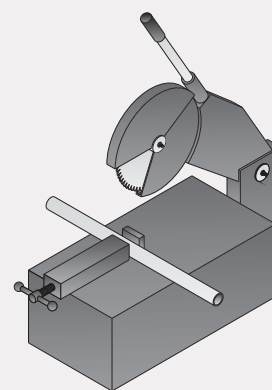
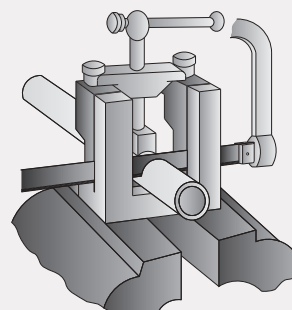
In case of pre-assembly by machine, It is essential that you follow the recommendations for minimum lengths Stated in the machine operating manual.

Tagliare il tubo con una angolazione di 90°, tale taglio risulterà più semplice con l'ausilio di un seghetto a mano e l'apposito attrezzo o di una sega automatica.

Tali attrezzature ci permetteranno di tagliare il tubo perfettamente a squadra, è inoltre, sconsigliato l'uso di TRONCATRICI e/o TAGLIATUBI poiché il loro utilizzo va a deformare la geometria cilindrica del tubo rendendolo ovale, provocando di conseguenza la totale riduzione di durata e tenuta del raccordo.

Cut the tube squarely using a manual hacksaw together with an appropriate tube-cutting tool or an automatic saw. The use of pipe-cutters or shearing machines is not recommended as they could alter the cylindrical geometry of the tubes causing leakage and reducing the life cycle time of a connection.

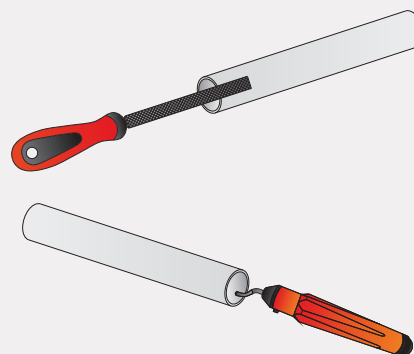
2.2



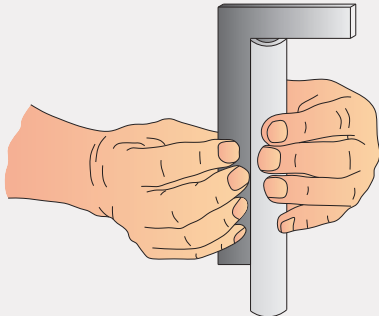
2.3

Sbavare l'estremità interna ed esterna del tubo e ripulire il foro del tubo da eventuali trucioli.

Remove internal and external burrs and clean the tube thoroughly.



2.4



Verificare tramite squadra di riscontro a 90° se il taglio effettuato è ad angolo retto. E' ammessa una tolleranza massima di $\pm 0.5^\circ$.

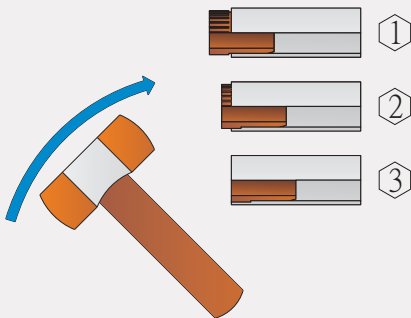
Check the correctness of the right angle cut (90°). Maximum tolerance is $\pm 0.5^\circ$ deviation.

I tubi tagliati o sbavati in modo errato riducono la durata e la tenuta del raccordo

Chips, dirt, internal or external burrs and incorrectly cut tubes prevent correct assembly and can cause leakages and/or a reduction of the life cycle time.



2.5



In caso di installazione con tubi dalle pareti sottili è necessario inserire nel foro una boccola di rinforzo procedendo come di seguito descritto:

- Inserire la boccola di rinforzo sino alla dentellatura;
- Martellare lievemente con martello di gomma sino ad avere una sede perfettamente piana.

In case of assembly with thin walled tubes it is necessary to apply support sleeves:

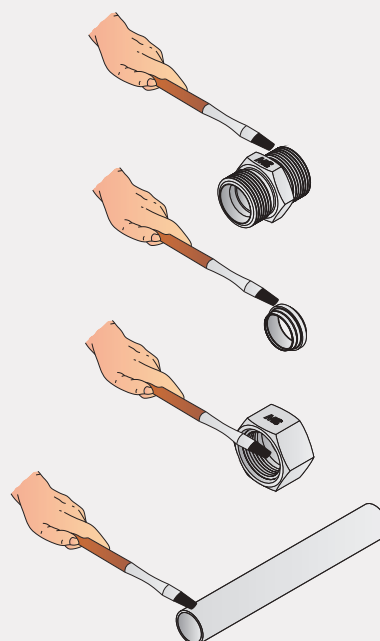
- Insert support sleeve into tube up to the tothing rim;
- Drive sleeve into tube-end using a rubber hammer.

3 - Preparazione al montaggio

3 - Material preparaton

Prima di assemblare bisogna necessariamente ingrassare i componenti (filettatura corpo raccordo, superficie esterna anello tagliente, filettatura dado, estremità del tubo) con il composto antigrippaggio sintetico, contattare il nostro ufficio tecnico per conoscere i prodotti consigliati

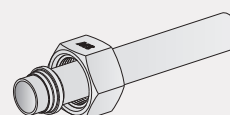
Before assembling, the components need to be lubricated with a Synthetic Anti-seize compound. For further information or advice on products to be used, kindly contact our Technical Department.



3.1

Controllare visivamente il corretto orientamento dell' anello tagliente.

Visually check that the cutting ring has been placed properly.



3.2

4 - Montaggio raccordo

4 - Assembly process

4.1

I raccordi posso essere assemblati in 3 semplici modi:

Three different methods are suitable to assemble DIN Compression fittings:

Modo A



Montaggio diretto sul corpo del raccordo.

*Manual assembly
Direct in fitting;*

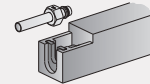
Modo B



Montaggio mezzo punzone di pre-montaggio

Assembly using pre-assembly hardened tool;

Modo C



Montaggio mezzo macchina di pre-montaggio

Assembly using pre-assembly machine

Si consiglia di utilizzare punzoni di pre-montaggio temprati per i diametri fino al S16, mentre, per diametri maggiori utilizzare macchine di pre-montaggio.



Si sconsiglia il montaggio diretto sul corpo del raccordo.

Hardened, pre-assembly tools recommended for diameters up to S16; for bigger dimensions it is advisable to use pre-assembly machines.

It is always preferable to avoid Manual Assembly.

Modo A

Montaggio diretto sul corpo del raccordo

Manual assembly direct in fitting

A.1

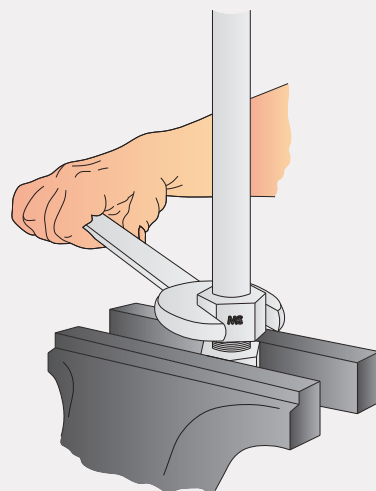
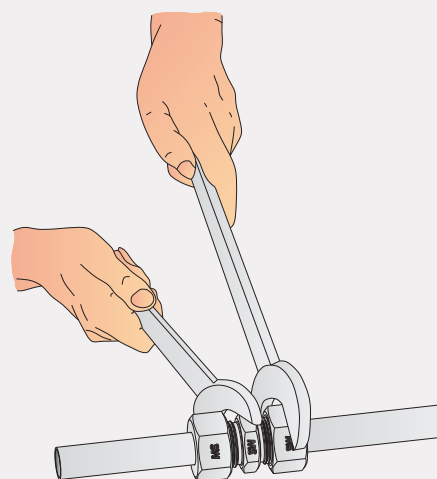
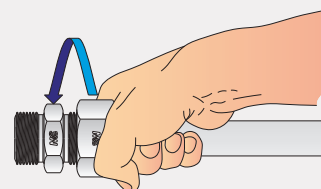
Ingrassare i componenti come nel punto 3.1. Inserire l'estremità del tubo spingendolo contro la battuta nel corpo del raccordo. Durante la procedura di pre-montaggio è necessario che il tubo venga mantenuto in battuta per evitare montaggi errati. Stringere sino in fondo manualmente senza l'ausilio di chiavi. Serrare con chiave il dado per circa 1 giro, così facendo l'anello tagliante aderirà al corpo raccordo ed inciderà il tubo.

Components must be lubricated (see section 3.1) Press tube end into fitting body. During this procedure, the tube must be held in a rabbet to prevent incorrect assembly. Screw on the nut until finger tight. Tighten nut for about 1 turn using a spanner. The cutting ring is pushed into the cone of the coupling and engraves the tube.

Attenzione, utilizzare il corpo del raccordo una sola volta per il primo montaggio. In caso di impieghi ripetuti può essere pregiudicato il funzionamento dello stesso.



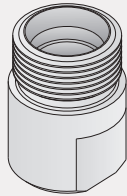
Warning, coupling body may be used only once.



Modo B

Montaggio mezzo punzone di pre-montaggio Assembly using pre-assembly hardened tool

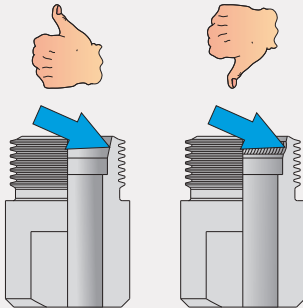
B.1



Pulire la faccia conica del punzone di pre-montaggio per il controllo visivo.

Clean cone surface of pre-assembly body for visual check.

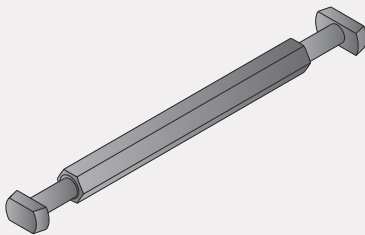
B.2



Controllare visivamente l'integrità della faccia conica essa non dovrà presentare alcun tipo di danneggiamento (crepe, incisioni, usura, ...) altrimenti dovrà essere sostituita.

Visually check sealing surface for wear, damages or cracks.

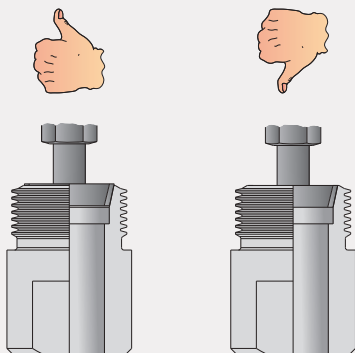
B.3



Per controllare la perfetta conicità del punzone va utilizzato uno speciale calibro di precisione.

The use of a special cone gauge is recommended to check the perfect taper of the tool.

B.4

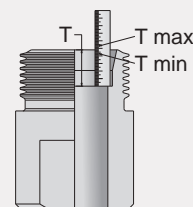


Controllare con il calibro di precisione eventuali deformazioni del cono.

Check for possible alterations in shape.

B.5

Controllare la profondità di inserimento del tubo poiché eventuali differenze di profondità potrebbero creare discostamenti tra le parti e quindi provocare delle perdite.



Check insertion depth of the tube: differences in insertion depths can result in leakages;

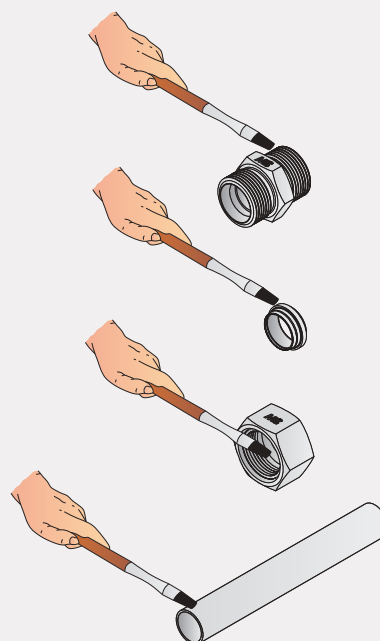
Serie Series	Tipo Type	T min	T max
L	6	6,95	7,05
	8	6,95	7,05
	10	6,95	7,05
	12	6,95	7,05
	15	6,95	7,05
	18	7,45	7,55
	22	7,45	7,55
	28	7,45	7,55
	35	10,45	10,55
42	10,95	11,05	

Serie Series	Tipo Type	T min	T max
S	6	6,95	7,05
	8	6,95	7,05
	10	7,45	7,55
	12	7,45	7,55
	14	7,95	8,05
	16	8,45	8,55
	20	10,45	10,55
	25	11,95	12,05
	30	13,45	13,55
38	15,95	16,05	

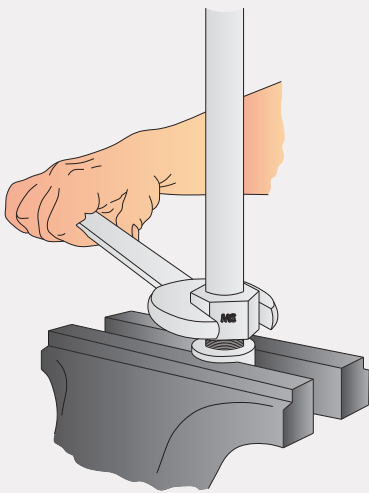
B.6

Prima di assemblare bisogna necessariamente ingrassare i componenti (filettatura corpo raccordo, superficie esterna anello tagliente, filettatura dado, estremità del tubo) con il composto antigrippaggio sintetico, contattare il nostro ufficio tecnico per conoscere i prodotti consigliati

Before assembling, components need to be lubricated with a synthetic anti-seize compound. For further information, kindly contact our Technical Department.



B.7



Stringere il punzone di pre-montaggio nella morsa, inserire e spingere il tubo verso il punzone, tenere costantemente premuto fino ad avvenuto montaggio eseguire minuziosamente tale procedura altrimenti si incorrerà in un errato montaggio. Avvitare manualmente il dado fino ad un sensibile aumento di forza. A questo punto stringere il dado per circa 1 giro, tale procedura se eseguita correttamente farà in modo che l'anello tagliente incida uniformemente la superficie del tubo. Controllare visivamente a montaggio avvenuto.

Press tube end into the assembly cone and hold it firmly until the assembly procedure has been completed. Screw the nut by hand until a perceptible rise in force, then tighten it again, using a spanner, for about 1 turn. This procedure, when performed correctly, provides a sealed joint as the cutting ring, pushes into the cone of the coupling and smoothly blocks the pipe. Visually check that the assembly has been performed correctly.

Modo C

Montaggio mezzo macchina di pre-montaggio

Assembly using pre-assembly machine

Posizionare il cono di montaggio e la piastra per la collimazione del centro della misura giusta.

Insert proper tools and plates

Ingrassare i componenti come al punto 3.1. Inserire prima il dado poi l'anello tagliente facendo attenzione a non invertire il senso dei componenti.

Clean and lubricate components (see section 3.1) insert the nut and then the cutting ring,

Introdurre il tubo corredato di dado e anello tagliente nell'apposita macchina di pre-montaggio e spingere con forza il tubo verso il cono di montaggio.

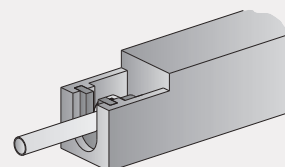
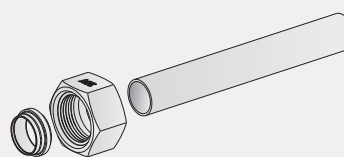
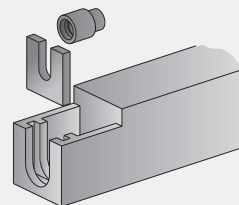
Place the tube with the nut and the cutting ring into the pre-assembly machine and press the tube end firmly into the assembly cone.

Avviare la procedura di pre-assemblaggio.
Press the START button.

Tabella della pressione indicativa da imprimere sull'anello tagliente rilevata sui nostri macchinari.

Adjustments made according to pressure chart available on the machine.

C.1



Pressione indicativa per anelli taglienti

Serie L		Serie S	
Ø	Bar	Ø	Bar
6	20	6	20
8	30	8	30
10	35	10	35
12	35	12	35
15	40	14	40
18	60	16	55
22	70	20	80
28	80	25	105
35	100	30	130
42	160	38	160

Indicative pressure for cutting rings

L Series		S Series	
Ø	Bar	Ø	Bar
6	20	6	20
8	30	8	30
10	35	10	35
12	35	12	35
15	40	14	40
18	60	16	55
22	70	20	80
28	80	25	105
35	100	30	130
42	160	38	160

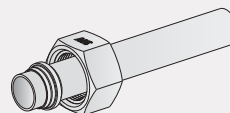
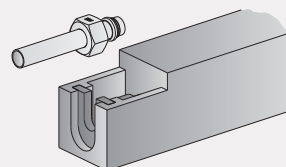
C.2

A procedura ultimata rimuovere il tubo per il controllo visivo.

Once the procedure is completed remove the tube for a visual check.

Controllare visivamente se il tubo pre-assemblato presenta un risvolto di materiale pari a circa il 70% del bordo dell'anello tagliente. L'anello tagliente potrebbe ruotare sul tubo.

Visually check to make sure that a visible collar covers the front of the cutting edge (approximately 70%). It doesn't matter if the ring rotates on the tube end.



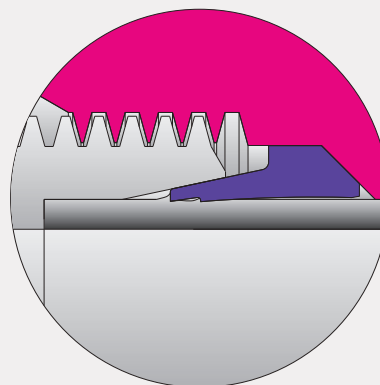
5 - Controllo

5 - Assembly check

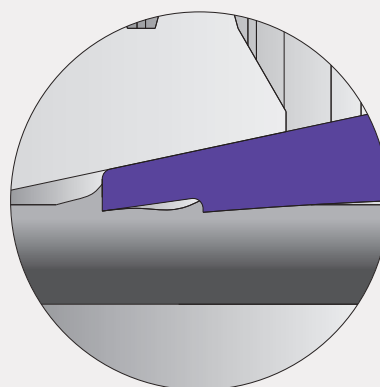
Allentare il dado e verificare se l'anello tagliente ha inciso in modo uniforme la superficie del tubo, il risvolto di materiale deve essere nell'ordine del 70%, se ciò non avviene serrare nuovamente il dado con più forza.

L'anello tagliente potrebbe ruotare sul tubo.

Loosen the nut and check to make sure that a visible collar covers the front of the cutting edge (approximately 70%). If it doesn't the nut must be tightened further. It doesn't matter if the ring rotates on the tube end.

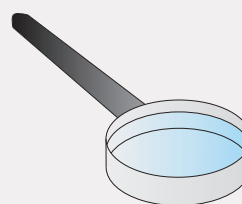


5.1



Il controllo visivo è essenziale per un corretto montaggio ed è consigliabile effettuarlo ad ogni passaggio.

Visual check is essential for a correct assembly and must be performed at every step.

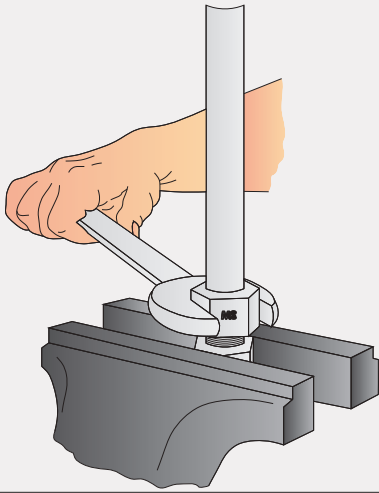
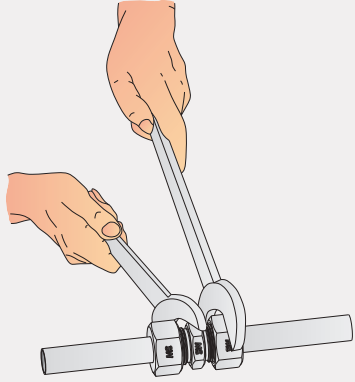


5.2

6 - Montaggio finale

6 - Final installation

6.1



L'estremità del tubo assemblata con il punzone di pre-montaggio temprato o con macchina di pre-montaggio, deve necessariamente essere inserita in un nuovo corpo raccordo, ed il dado serrato manualmente. Serrare il dado con una chiave senza prolunga, fino ad un sensibile aumento di forza, a questo punto stringere il dado per (vedi coppie di serraggio 8.1)

Place tube-end, pre-assembled using pre-assembly hardened tool or pre-assembly machine, onto a new coupling body, and then manually screw the nut. until a perceptible rise in force, then tighten it again, using a spanner, for (see assembly torques 8.1).

7 - Montaggi ripetuti

7 - Repeated assemblies

I montaggi del tubo possono essere ripetuti più volte.

Al nuovo montaggio finale è necessario stringere il dado fino alla percezione di un aumento sensibile della forza.

Quindi stringere per (vedi coppie di serraggio 8.1).

Repeated assemblies are allowed. In case of a re-assembly the nut must be tightened until a perceptible rise in force.

Then tighten it again, using a spanner, for (see assembly torques 8.1).

Attenzione!

Il risultato del montaggio, come il risvolto di materiale ecc. deve essere controllato (vedere sez.5 Controllo).

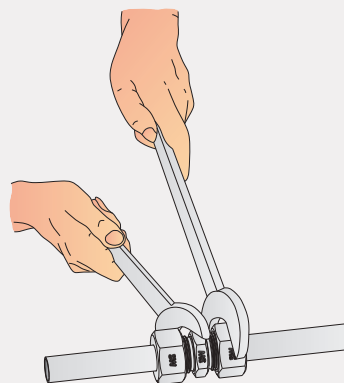


Warning!

When assembly is completed a control check must be performed (see section 5 Assembly check).



7.1



8 - Coppie di serraggio

8 - Assembly Torques

Le coppie di serraggio sono valori indicativi rilevate in base ai seguenti presupposti:

-Tubi senza saldatura trafilati a freddo secondo la norma DIN 17458, in materiale 1.4571 (Aisi 316Ti);

-Uso del Composto Antigripping Sintetico Chesterton 785.

Tightening torque values are for guidance only, Note:

-Threads must be lubricated with synthetic anti seizing compound (Chesterton 785 e.g.) before screwing in;

-The use of seamless stainless steel Aisi 316Ti (EN 1.4571) cold drawn, brightened tubes, according to DIN 17458 is highly recommended.

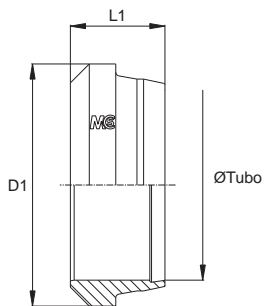


8.1

Serie Series	Tubo Ø Tube OD	Coppia di serraggio Tightening torque Nm +5%	Gradi Torque Angle
L	6x1,0	35	90°
L	8x1,5	45	90°
L	10x1,0	65	90°
L	10x1,5	65	90°
L	12x1,5	85	90°
L	12x2,0	90	90°
L	15x1,5	130	90°
L	15x2,0	130	90°
L	18x2,0	220	90°
L	18x2,5	230	90°
L	22x2,0	260	90°
L	22x2,5	290	90°
L	28x2,5	320	90°
L	28x3,0	320	90°
L	35x2,5	500	90°
L	35x3,0	520	90°
L	42x3,0	650	90°
L	42x4,0	670	90°

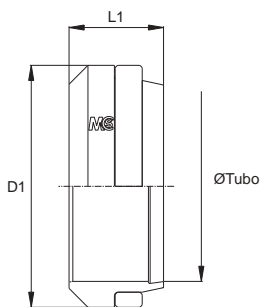
Serie Series	Tubo Ø Tube OD	Coppia di serraggio Tightening torque Nm +5%	Gradi Torque Angle
S	6x1,5	48	90°
S	6x2,0	55	90°
S	8x1,5	60	90°
S	8x2,0	65	90°
S	10x2,0	80	90°
S	10x2,5	90	90°
S	12x2,5	100	90°
S	14x2,0	155	90°
S	14x2,5	155	90°
S	16x2,0	175	90°
S	16x3,0	175	90°
S	20x2,5	350	90°
S	20x3,0	350	90°
S	25x3,0	400	90°
S	30x3,0	550	90°
S	30x4,0	650	90°
S	38x4,0	950	90°
S	38x5,0	975	90°

**ANELLO TAGLIENTE
CUTTING RING**



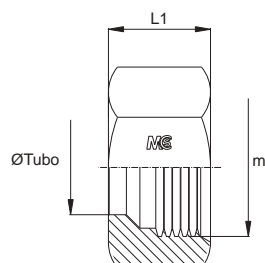
Serie Series	Bar W.P.	Codice Part Number	Ø Est. Tubo Tube O.D.	L1	D1	D2
LL	100	CRLLO4	4	6,0	6,0	-
		CRLLO6	6	7,0	8,0	-
		CRLLO8	8	7,0	10,0	-
L/S	900	CRLS06	6	9,5	10,0	10,0
		CRLS08	8	9,5	12,0	12,0
	800	CRLS10	10	10,0	14,0	14,0
		CRLS12	12	10,0	16,0	16,0
L	450	CRL15	15	10,0	19,0	20,0
		CRL18	18	10,0	23,0	23,0
	300	CRL22	22	10,5	27,0	27,0
		CRL28	28	11,0	33,0	33,0
		CRL35	35	13,0	41,0	41,0
		CRL42	42	13,0	48,0	48,0
S	700	CRS14	14	10,0	19,0	19,0
		CRS16	16	10,5	21,0	21,0
	420	CRS20	20	12,0	26,0	26,0
		CRS25	25	12,0	32,0	32,0
		CRS30	30	13,0	36,0	38,0
		CRS38	38	13,0	44,0	48,0

**ANELLO TAGLIENTE CON GUARN.PIANA IN FKM E TRATTAMENTO INNOVATIVO
CUTTING RING WITH FKM CAPTIVE SEAL AND SPECIAL TREATMENT**



Serie Series	Bar W.P.	Codice Part Number	Ø Est. Tubo Tube O.D.	L1	D1	D2
L	630	CRL06Evo	6	9,5	10,0	10,0
		CRL08Evo	8	9,5	12,0	12,0
		CRL10Evo	10	10,0	14,0	14,0
	450	CRL12Evo	12	10,0	16,0	16,0
		CRL15Evo	15	10,0	19,0	20,0
		CRL18Evo	18	10,0	23,0	23,0
		CRL22Evo	22	10,5	27,0	27,0
	300	CRL28Evo	28	11,0	33,0	33,0
		CRL35Evo	35	13,0	41,0	41,0
		CRL42Evo	42	13,0	48,0	48,0
S		900	CRS06Evo	6	9,5	10,0
	CRS08Evo		8	9,5	12,0	12,0
	800	CRS10Evo	10	10,0	14,0	14,0
		CRS12Evo	12	10,0	16,0	16,0
	700	CRS14Evo	14	10,0	19,0	19,0
		CRS16Evo	16	10,5	21,0	21,0
	420	CRS20Evo	20	12,0	26,0	26,0
		CRS25Evo	25	12,0	32,0	32,0
		CRS30Evo	30	13,0	36,0	38,0
		CRS38Evo	38	13,0	44,0	48,0

DADO NUT



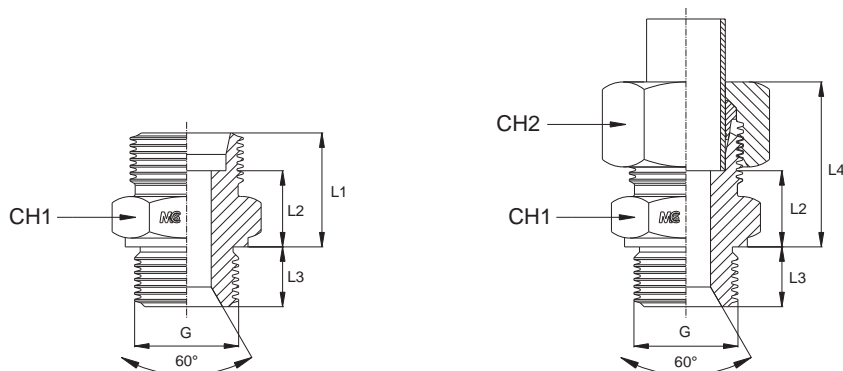
Serie Series	Bar W.P.	Codice Part Number	Ø Est. Tubo Tube O.D.	Filetto Thread	L1	CH1
LL	100	CNLL04	4	m 8x1,0	11,0	10
		CNLL06	6	m 10x1,0	11,5	12
		CNLL08	8	m 12x1,0	12,0	14
L	630	CNLO6	6	m 12x1,5	14,5	14
		CNLO8	8	m 14x1,5	14,5	17
		CNL10	10	m 16x1,5	15,5	19
	450	CNL12	12	m 18x1,5	15,5	22
		CNL15	15	m 22x1,5	17,0	27
		CNL18	8	m 26x1,5	18,0	32
	300	CNL22	22	m 30x2,0	20,0	36
		CNL28	28	m 36x2,0	21,0	41
		CNL35	35	m 45x2,0	24,0	50
CNL42		42	m 52x2,0	24,0	60	
S	900	CNS06	6	m 14x1,5	16,5	17
		CNS08	8	m 16x1,5	16,5	19
	800	CNS10	10	m 18x1,5	17,5	22
		CNS12	12	m 20x1,5	17,5	24
	700	CNS14	14	m 22x1,5	20,5	27
		CNS16	16	m 24x1,5	20,5	30
	650	CNS20	20	m 30x2,0	24,0	36
		CNS25	25	m 36x2,0	27,0	46
		CNS30	30	m 42x2,0	29,0	50
CNS38		38	m 52x2,0	32,5	60	
420						

ADATTATORE MASCHIO DI ESTREMITÀ - Serie L

Filetto Gas Cilindrico **Svasato 60°**

MALE STUD COUPLING - L Series

BSP Parallel Thread **60° Cone**



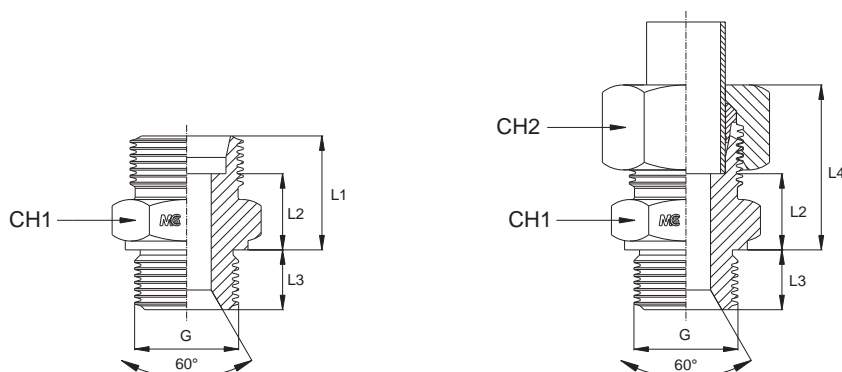
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
L	315	GE06LRG1/8B	GE06LRG1/8	6	1/8"	15,5	8,5	8,0	23,0	14	14
		GE06LRG1/4B	GE06LRG1/4	6	1/4"	17,0	10,0	12,0	24,5	19	14
		GE06LRG3/8B	GE06LRG3/8	6	3/8"	18,5	11,5	12,0	26,0	22	14
		GE06LRG1/2B	GE06LRG1/2	6	1/2"	19,0	12,0	14,0	29,0	27	14
		GE08LRG1/8B	GE08LRG1/8	8	1/8"	16,5	9,5	8,0	24,5	14	17
		GE08LRG1/4B	GE08LRG1/4	8	1/4"	17,0	10,0	12,0	25,0	19	17
		GE08LRG3/8B	GE08LRG3/8	8	3/8"	18,5	11,5	12,0	26,5	22	17
		GE08LRG1/2B	GE08LRG1/2	8	1/2"	19,0	12,0	14,0	27,0	27	17
		GE10LRG1/8B	GE10LRG1/8	10	1/8"	17,5	10,5	8,0	25,5	17	19
		GE10LRG1/4B	GE10LRG1/4	10	1/4"	18,0	11,0	12,0	26,0	19	19
		GE10LRG3/8B	GE10LRG3/8	10	3/8"	19,5	12,5	12,0	27,5	22	19
		GE10LRG1/2B	GE10LRG1/2	10	1/2"	20,0	13,0	14,0	28,0	27	19
		GE12LRG1/8B	GE12LRG1/8	12	1/8"	18,0	11,0	8,0	29,0	19	22
		GE12LRG1/4B	GE12LRG1/4	12	1/4"	19,0	12,0	12,0	26,5	19	22
		GE12LRG3/8B	GE12LRG3/8	12	3/8"	19,5	12,5	12,0	27,0	22	22
		GE12LRG1/2B	GE12LRG1/2	12	1/2"	20,0	13,0	14,0	27,5	27	22
		GE12LRG3/4B	GE12LRG3/4	12	3/4"	21,0	14,0	16,0	31,0	32	22
		GE15LRG1/4B	GE15LRG1/4	15	1/4"	20,0	13,0	12,0	32,0	24	27
	GE15LRG3/8B	GE15LRG3/8	15	3/8"	20,5	13,5	12,0	28,5	24	27	
	GE15LRG1/2B	GE15LRG1/2	15	1/2"	21,0	14,0	14,0	29,0	27	27	
	GE15LRG3/4B	GE15LRG3/4	15	3/4"	22,0	15,0	16,0	30,0	32	27	
	GE18LRG3/8B	GE18LRG3/8	18	3/8"	20,0	12,5	12,0	31,0	27	32	
	GE18LRG1/2B	GE18LRG1/2	18	1/2"	22,0	14,5	14,0	31,0	27	32	
	GE18LRG3/4B	GE18LRG3/4	18	3/4"	22,0	14,5	16,0	31,0	32	32	
	GE18LRG1B	GE18LRG1	18	1"	24,0	16,5	18,0	31,0	41	32	
	160	GE22LRG3/8B	GE22LRG3/8	22	3/8"	23,5	16,0	12,0	49,0	32	36
		GE22LRG1/2B	GE22LRG1/2	22	1/2"	24,0	16,5	14,0	33,0	32	36
		GE22LRG3/4B	GE22LRG3/4	22	3/4"	24,0	16,5	16,0	33,0	32	36
GE22LRG1B		GE22LRG1	22	1"	25,0	17,5	18,0	34,0	41	36	
GE22LRG11/4B		GE22LRG11/4	22	1,1/4"	26,0	18,5	20,0	39,0	50	36	
GE28LRG1/2B		GE28LRG1/2	28	1/2"	25,0	17,5	14,0	33,0	41	41	
GE28LRG3/4B		GE28LRG3/4	28	3/4"	25,0	17,5	16,0	34,0	41	41	
GE28LRG1B		GE28LRG1	28	1"	25,0	17,5	18,0	34,0	41	41	
GE28LRG11/4B		GE28LRG11/4	28	1,1/4"	26,0	18,5	20,0	39,0	50	41	
GE35LRG3/4B		GE35LRG3/4	35	3/4"	29,0	18,5	16,0	42,0	46	50	
GE35LRG1B		GE35LRG1	35	1"	28,0	17,5	18,0	39,0	46	50	
GE35LRG11/4B		GE35LRG11/4	35	1,1/4"	28,0	17,5	20,0	39,0	50	50	
GE35LRG11/2B		GE35LRG11/2	35	1,1/2"	30,0	19,5	22,0	44,0	55	50	
GE42LRG1B		GE42LRG1	42	1"	30,0	19,0	18,0	47,0	55	60	
GE42LRG11/4B	GE42LRG11/4	42	1,1/4"	30,0	19,0	20,0	42,0	55	60		
GE42LRG11/2B	GE42LRG11/2	42	1,1/2"	30,0	19,0	22,0	42,0	55	60		

ADATTATORE MASCHIO DI ESTREMITÀ - Serie S

Filetto Gas Cilindrico Svasato 60°

MALE STUD COUPLING - S Series

BSP Parallel Thread 60° Cone



Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
S	630	GE06SRG1/8B	GE06SRG1/8	6	1/8"	20,0	13,0	8,0	28,0	14	17
		GE06SRG1/4B	GE06SRG1/4	6	1/4"	20,0	13,0	12,0	28,0	19	17
		GE06SRG3/8B	GE06SRG3/8	6	3/8"	22,5	15,5	12,0	30,0	22	19
		GE06SRG1/2B	GE06SRG1/2	6	1/2"	24,0	17,0	14,0	34,0	27	19
		GE08SRG1/8B	GE08SRG1/8	8	1/8"	21,0	14,0	8,0	30,0	17	19
		GE08SRG1/4B	GE08SRG1/4	8	1/4"	22,0	15,0	12,0	30,0	19	19
		GE08SRG3/8B	GE08SRG3/8	8	3/8"	22,5	15,5	12,0	30,5	22	19
		GE08SRG1/2B	GE08SRG1/2	8	1/2"	22,0	15,0	14,0	34,0	27	19
		GE10SRG1/8B	GE10SRG1/8	10	1/8"	21,0	13,5	8,0	28,0	19	22
		GE10SRG1/4B	GE10SRG1/4	10	1/4"	22,0	14,5	12,0	30,5	19	22
		GE10SRG3/8B	GE10SRG3/8	10	3/8"	22,5	15,0	12,0	31,0	22	22
		GE10SRG1/2B	GE10SRG1/2	10	1/2"	25,0	17,5	14,0	33,5	27	22
		GE10SRG3/4B	GE10SRG3/4	10	3/4"	22,0	14,5	16,0	36,0	32	22
		GE12SRG1/4B	GE12SRG1/4	12	1/4"	24,0	16,5	12,0	32,5	22	24
	GE12SRG3/8B	GE12SRG3/8	12	3/8"	24,5	17,0	12,0	33,0	22	24	
	GE12SRG1/2B	GE12SRG1/2	12	1/2"	25,0	17,5	14,0	33,5	27	24	
	GE12SRG3/4B	GE12SRG3/4	12	3/4"	25,0	17,5	16,0	36,0	32	24	
	GE14SRG3/8B	GE14SRG3/8	14	3/8"	26,5	18,5	12,0	36,5	24	27	
	GE14SRG1/2B	GE14SRG1/2	14	1/2"	27,0	19,0	14,0	37,0	27	27	
	GE14SRG3/4B	GE14SRG3/4	14	3/4"	27,0	19,0	16,0	36,5	32	27	
	400	GE16SRG1/4B	GE16SRG1/4	16	1/4"	26,0	17,5	12,0	38,0	27	30
		GE16SRG3/8B	GE16SRG3/8	16	3/8"	26,5	18,0	12,0	36,5	27	30
		GE16SRG1/2B	GE16SRG1/2	16	1/2"	27,0	18,5	14,0	37,0	27	30
		GE16SRG3/4B	GE16SRG3/4	16	3/4"	29,0	20,5	16,0	39,0	32	30
		GE16SRG1B	GE16SRG1	16	1"	31,0	22,5	18,0	43,5	41	30
		GE20SRG3/8B	GE20SRG3/8	20	3/8"	28,5	18,0	12,0	40,5	32	36
		GE20SRG1/2B	GE20SRG1/2	20	1/2"	31,0	20,5	14,0	42,0	32	36
		GE20SRG3/4B	GE20SRG3/4	20	3/4"	31,0	20,5	16,0	42,0	32	36
GE20SRG1B		GE20SRG1	20	1"	33,0	22,5	18,0	44,0	41	36	
GE20SRG11/4B		GE20SRG11/4	20	1,1/4"	33,0	22,5	20,0	50,0	50	36	
GE25SRG1/2B		GE25SRG1/2	25	1/2"	35,0	23,0	14,0	47,0	41	46	
GE25SRG3/4B		GE25SRG3/4	25	3/4"	35,0	23,0	16,0	47,0	41	46	
GE25SRG1B		GE25SRG1	25	1"	35,0	23,0	18,0	47,0	41	46	
GE25SRG11/4B		GE25SRG11/4	25	1,1/4"	35,0	23,0	20,0	47,0	50	46	
315	GE30SRG3/4B	GE30SRG3/4	30	3/4"	39,0	25,5	16,0	50,0	46	50	
	GE30SRG1B	GE30SRG1	30	1"	37,0	23,5	18,0	50,0	46	50	
	GE30SRG11/4B	GE30SRG11/4	30	1,1/4"	37,0	23,5	20,0	50,0	50	50	
	GE30SRG11/2B	GE30SRG11/2	30	1,1/2"	37,0	23,5	22,0	50,0	55	50	
	GE38SRG11/2B	GE38SRG11/2	38	1,1/2"	42,0	26,0	22,0	57,0	55	60	
	GE38SRG1B	GE38SRG1	38	1"	42,0	26,0	18,0	42,0	46	50	
315	GE38SRG11/4B	GE38SRG11/4	38	1,1/4"	42,0	26,0	20,0	57,0	55	60	
	GE38SRG2B	GE38SRG2	38	2"	-	-	-	-	70	60	

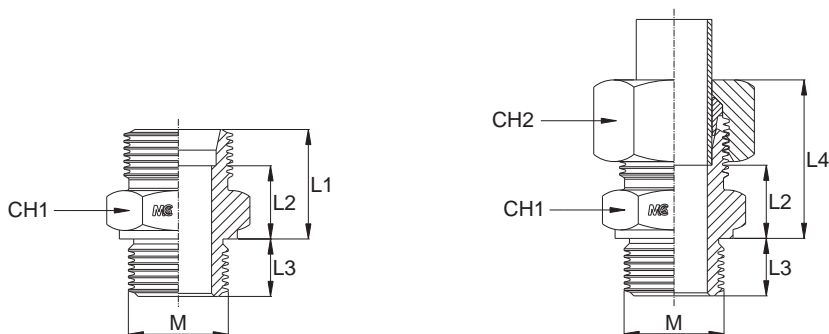


ADATTATORE MASCHIO DI ESTREMITÀ - Serie L

Filetto Metrico Cilindrico

MALE STUD COUPLING - L Series

Metric Parallel Thread



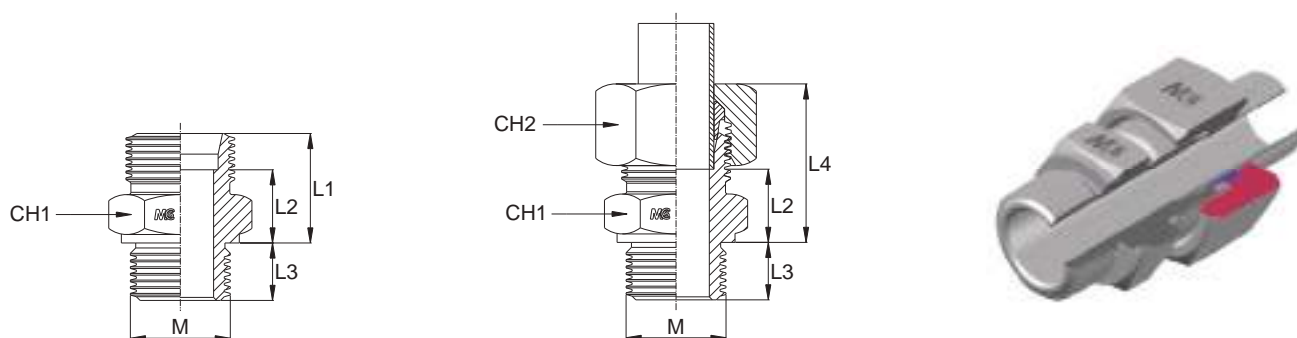
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
L	315	GE06LM101B	GE06LM101	6	10x1,0	15,5	8,5	8,0	23,0	14	14
		GE06LM1215B	GE06LM1215	6	12x1,5	17,0	10,0	12,0	25,0	17	14
		GE06LM1415B	GE06LM1415	6	14x1,5	17,0	10,0	12,0	27,0	19	14
		GE08LM101B	GE08LM101	8	10x1,0	16,5	8,5	8,0	24,5	14	17
		GE08LM1215B	GE08LM1215	8	12x1,5	17,0	10,0	12,0	25,0	17	17
		GE08LM1415B	GE08LM1415	8	14x1,5	17,0	10,0	12,0	27,0	19	17
		GE08LM1615B	GE08LM1615	8	16x1,5	18,5	11,5	12,0	27,5	22	17
		GE08LM1815B	GE08LM1815	8	18x1,5	18,5	11,5	12,0	26,5	24	17
		GE10LM101B	GE10LM101	10	10x1,0	18,0	11,0	8,0	26,0	17	19
		GE10LM1215B	GE10LM1215	10	12x1,5	18,5	11,5	12,0	28,5	17	19
		GE10LM1415B	GE10LM1415	10	14x1,5	18,0	11,0	12,0	26,0	19	19
		GE10LM1615B	GE10LM1615	10	16x1,5	19,5	12,5	12,0	27,5	22	19
		GE10LM1815B	GE10LM1815	10	18x1,5	19,5	12,5	12,0	27,5	24	19
		GE10LM2215B	GE10LM2215	10	22x1,5	21,0	14,0	14,0	29,0	27	19
		GE12LM1215B	GE12LM1215	12	12x1,5	20,0	13,0	12,0	28,0	19	22
		GE12LM1415B	GE12LM1415	12	14x1,5	19,5	12,5	12,0	27,0	19	22
		GE12LM1615B	GE12LM1615	12	16x1,5	19,5	12,5	12,0	27,0	22	22
		GE12LM1815B	GE12LM1815	12	18x1,5	19,5	12,5	12,0	27,0	24	22
		GE12LM2215B	GE12LM2215	12	22x1,5	21,0	14,0	14,0	28,5	27	22
		GE15LM1615B	GE15LM1615	15	16x1,5	20,0	13,0	12,0	28,0	24	27
GE15LM1815B	GE15LM1815	15	18x1,5	20,5	13,5	12,0	29,0	24	27		
GE15LM2215B	GE15LM2215	15	22x1,5	22,0	15,0	14,0	30,0	27	27		
GE18LM1815B	GE18LM1815	18	18x1,5	21,5	14,0	12,0	30,5	27	32		
GE18LM2215B	GE18LM2215	18	22x1,5	22,0	14,5	14,0	31,0	27	32		
GE18LM2615B	GE18LM2615	18	26x1,5	22,0	14,5	16,0	31,0	32	32		
160	GE22LM2215B	GE22LM2215	22	22x1,5	24,0	16,5	14,0	33,0	32	36	
	GE22LM2615B	GE22LM2615	22	26x1,5	24,0	16,5	16,0	33,0	32	36	
	GE28LM332B	GE28LM332	28	33x2,0	25,0	17,5	18,0	34,0	41	41	
	GE35LM422B	GE35LM422	35	42x2,0	28,0	17,5	20,0	39,0	50	50	
	GE42LM482B	GE42LM482	42	48x2,0	30,0	19,0	22,0	42,0	55	60	

ADATTATORE MASCHIO DI ESTREMITÀ - Serie S

Filetto Metrico Cilindrico

MALE STUD COUPLING - S Series

Metric Parallel Thread



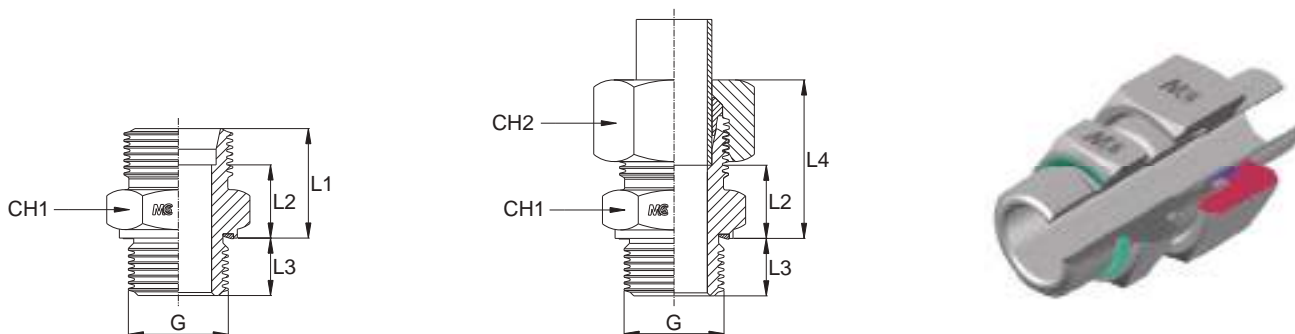
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
S	630	GE06SM1215B	GE06SM1215	6	12x1,5	20,0	13,0	12,0	28,0	17	17
		GE06SM1415B	GE06SM1415	6	14x1,5	20,0	13,0	12,0	30,0	17	17
		GE08SM1215B	GE08SM1215	8	12x1,5	22,0	15,0	12,0	32,0	17	19
		GE08SM1415B	GE08SM1415	8	14x1,5	22,0	15,0	12,0	30,0	19	19
		GE08SM1615B	GE08SM1615	8	16x1,5	-	-	12,0	-	22	19
		GE10SM1415B	GE10SM1415	10	14x1,5	-	-	12,0	-	19	22
		GE10SM1615B	GE10SM1615	10	16x1,5	22,5	15,0	12,0	31,0	22	22
		GE10SM1815B	GE10SM1815	10	18x1,5	25,0	17,5	12,0	-	24	22
		GE12SM1415B	GE12SM1415	12	14x1,5	23,5	16,0	12,0	33,0	22	24
		GE12SM1615B	GE12SM1615	12	16x1,5	24,5	17,0	12,0	35,5	22	24
		GE12SM1815B	GE12SM1815	12	18x1,5	24,5	17,0	12,0	33,0	24	24
		GE12SM2015B	GE12SM2015	12	20x1,5	-	-	14,0	-	27	24
		GE12SM2215B	GE12SM2215	12	22x1,5	25,0	17,5	14,0	33,5	27	24
	GE14SM2015B	GE14SM2015	14	20x1,5	27,0	19,0	14,0	37,0	27	27	
	GE14SM2215B	GE14SM2215	14	22x1,5	-	-	14,0	-	27	27	
	GE16SM1815B	GE16SM1815	16	18x1,5	26,5	18,0	12,0	36,5	27	30	
	GE16SM2215B	GE16SM2215	16	22x1,5	27,0	18,5	14,0	37,0	27	30	
	GE20SM2215B	GE20SM2215	20	22x1,5	31,0	20,5	14,0	42,0	32	36	
	GE20SM272B	GE20SM272	20	27x2,0	31,0	20,5	16,0	42,0	32	36	
	GE25SM272B	GE25SM272	25	27x2,0	35,0	23,0	16,0	47,0	41	46	
GE25SM332B	GE25SM332	25	33x2,0	35,0	23,0	18,0	47,0	41	46		
GE30SM332B	GE30SM332	30	33x2,0	37,0	23,5	18,0	50,0	46	50		
GE30SM422B	GE30SM422	30	42x2,0	37,0	23,5	20,0	50,0	50	50		
315	GE38SM482B	GE38SM482	38	48x2,0	42,0	26,0	22,0	57,0	55	60	

ADATTATORE MASCHIO DI ESTREMITÀ CON GUARNIZIONE PIANA - Serie L

Filetto Gas Cilindrico

MALE STUD COUPLING WITH CAPTIVE SEAL - L Series

BSP Parallel Thread



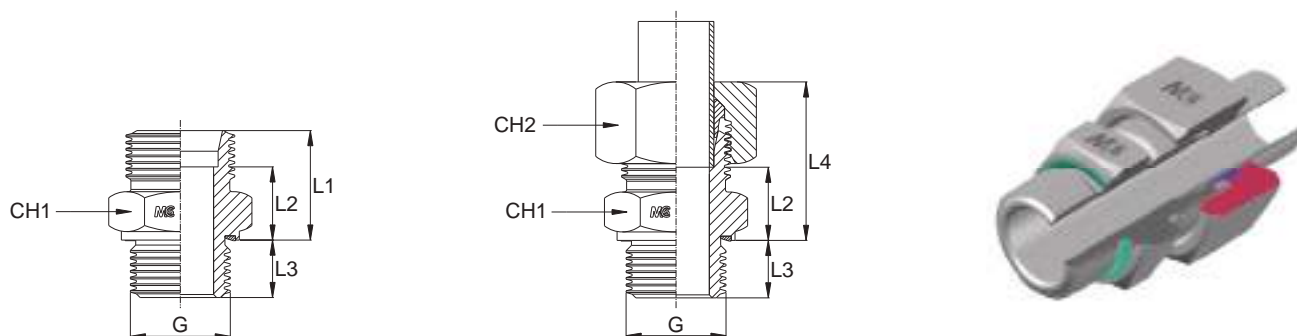
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
L	630	GE06LRG1/8VB	GE06LRG1/8V	6	1/8"	15,5	8,5	8,0	23,0	14	14
		GE06LRG1/4VB	GE06LRG1/4V	6	1/4"	17,0	10,0	12,0	24,5	19	14
	450	GE06LRG3/8VB	GE06LRG3/8V	6	3/8"	18,5	11,5	12,0	26,0	22	14
		GE06LRG1/2VB	GE06LRG1/2V	6	1/2"	19,0	12,0	14,0	29,0	27	14
	630	GE08LRG1/8VB	GE08LRG1/8V	8	1/8"	16,5	9,5	8,0	24,5	14	17
		GE08LRG1/4VB	GE08LRG1/4V	8	1/4"	17,0	10,0	12,0	25,0	19	17
	450	GE08LRG3/8VB	GE08LRG3/8V	8	3/8"	18,5	11,5	12,0	26,5	22	17
		GE08LRG1/2VB	GE08LRG1/2V	8	1/2"	19,0	12,0	14,0	27,0	27	17
	630	GE10LRG1/8VB	GE10LRG1/8V	10	1/8"	17,5	10,5	8,0	25,5	17	19
		GE10LRG1/4VB	GE10LRG1/4V	10	1/4"	18,0	11,0	12,0	26,0	19	19
	450	GE10LRG3/8VB	GE10LRG3/8V	10	3/8"	19,5	12,5	12,0	27,5	22	19
		GE10LRG1/2VB	GE10LRG1/2V	10	1/2"	20,0	13,0	14,0	28,0	27	19
	300	GE10LRG3/4VB	GE10LRG3/4V	10	3/4"	21,0	14,0	16,0	28,0	32	19
	450	GE12LRG1/8VB	GE12LRG1/8V	12	1/8"	18,0	11,0	8,0	29,0	19	22
		GE12LRG1/4VB	GE12LRG1/4V	12	1/4"	19,0	12,0	12,0	26,5	19	22
		GE12LRG3/8VB	GE12LRG3/8V	12	3/8"	19,5	12,5	12,0	27,0	22	22
		GE12LRG1/2VB	GE12LRG1/2V	12	1/2"	20,0	13,0	14,0	27,5	27	22
	300	GE12LRG3/4VB	GE12LRG3/4V	12	3/4"	21,0	14,0	16,0	31,0	32	22
	450	GE15LRG1/4VB	GE15LRG1/4V	15	1/4"	20,0	13,0	12,0	32,0	24	27
		GE15LRG1/2VB	GE15LRG1/2V	15	1/2"	21,0	14,0	14,0	29,0	27	27
		GE15LRG3/8VB	GE15LRG3/8V	15	3/8"	20,5	13,5	12,0	28,5	24	27
	300	GE15LRG3/4VB	GE15LRG3/4V	15	3/4"	22,0	15,0	16,0	30,0	32	27
	450	GE15LRG1VB	GE15LRG1V	15	1"	-	-	18,0	-	41	27
		GE18LRG3/8VB	GE18LRG3/8V	18	3/8"	20,0	12,5	12,0	33,0	27	32
	300	GE18LRG1/2VB	GE18LRG1/2V	18	1/2"	22,0	14,5	14,0	31,0	27	32
		GE18LRG3/4VB	GE18LRG3/4V	18	3/4"	22,0	14,5	16,0	31,0	32	32
	300	GE18LRG1VB	GE18LRG1V	18	1"	24,0	16,5	18,0	34,0	41	32
		GE22LRG3/8VB	GE22LRG3/8V	22	3/8"	23,5	16,0	12,0	49,0	32	36
		GE22LRG1/2VB	GE22LRG1/2V	22	1/2"	24,0	16,5	14,0	33,0	32	36
		GE22LRG3/4VB	GE22LRG3/4V	22	3/4"	24,0	16,5	16,0	33,0	32	36
GE22LRG1VB		GE22LRG1V	22	1"	25,0	17,5	18,0	34,0	41	36	
GE22LRG11/4VB		GE22LRG11/4V	22	1,1/4"	25,0	17,5	20,0	34,0	50	36	
GE28LRG1/2VB		GE28LRG1/2V	28	1/2"	25,0	17,5	14,0	33,0	41	41	
GE28LRG3/4VB		GE28LRG3/4V	28	3/4"	25,0	17,5	16,0	34,0	41	41	
GE28LRG1VB		GE28LRG1V	28	1"	25,0	17,5	18,0	34,0	41	41	
GE28LRG11/4VB		GE28LRG11/4V	28	1,1/4"	26,0	18,5	20,0	35,0	50	41	
GE35LRG3/4VB		GE35LRG3/4V	35	3/4"	29,0	18,5	16,0	38,0	46	50	
GE35LRG1VB		GE35LRG1V	35	1"	28,0	17,5	18,0	39,0	46	50	
GE35LRG11/4VB		GE35LRG11/4V	35	1,1/4"	28,0	17,5	20,0	39,0	50	50	
GE35LRG11/2VB		GE35LRG11/2V	35	1,1/2"	30,0	19,5	22,0	44,0	55	50	
GE42LRG1VB		GE42LRG1V	42	1"	30,0	19,0	18,0	47,0	55	60	
GE42LRG11/4VB		GE42LRG11/4V	42	1,1/4"	30,0	19,0	20,0	42,0	55	60	
GE42LRG11/2VB	GE42LRG11/2V	42	1,1/2"	30,0	19,0	22,0	42,0	55	60		
GE42LRG2VB	GE42LRG2V	42	2"	-	-	-	-	70	60		

ADATTATORE MASCHIO DI ESTREMITÀ CON GUARNIZIONE PIANA - Serie S

Filetto Gas Cilindrico

MALE STUD COUPLING WITH CAPTIVE SEAL - S Series

BSP Parallel Thread



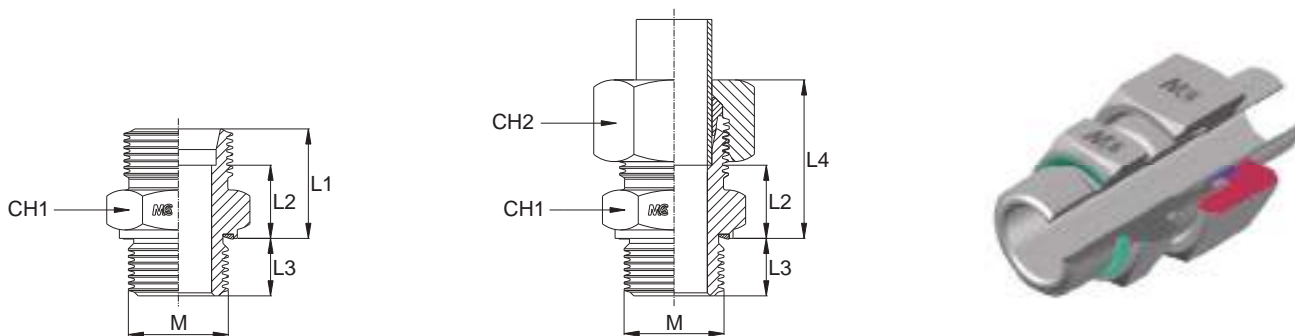
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
S	900	GE06SRG1/8VB	GE06SRG1/8V	6	1/8"	20,0	13,0	8,0	28,0	14	17
		GE06SRG1/4VB	GE06SRG1/4V	6	1/4"	20,0	13,0	12,0	28,0	19	17
		GE06SRG3/8VB	GE06SRG3/8V	6	3/8"	22,5	15,5	12,0	30,0	22	19
	630	GE06SRG1/2VB	GE06SRG1/2V	6	1/2"	24,0	17,0	14,0	34,0	27	19
		GE08SRG1/8VB	GE08SRG1/8V	8	1/8"	21,0	14,0	8,0	30,0	17	19
		GE08SRG1/4VB	GE08SRG1/4V	8	1/4"	22,0	15,0	12,0	30,0	19	19
		GE08SRG3/8VB	GE08SRG3/8V	8	3/8"	22,5	15,5	12,0	30,5	22	19
		GE10SRG1/8VB	GE10SRG1/8V	10	1/8"	21,0	13,5	8,0	30,5	19	22
		GE10SRG1/4VB	GE10SRG1/4V	10	1/4"	22,0	14,5	12,0	30,5	19	22
		GE10SRG3/8VB	GE10SRG3/8V	10	3/8"	22,5	15,0	12,0	31,0	22	22
		GE10SRG1/2VB	GE10SRG1/2V	10	1/2"	25,0	17,5	14,0	33,5	27	22
		GE10SRG3/4VB	GE10SRG3/4V	10	3/4"	25,0	17,5	16,0	36,0	32	22
		GE12SRG1/4VB	GE12SRG1/4V	12	1/4"	24,0	16,5	12,0	32,5	22	24
		GE12SRG3/8VB	GE12SRG3/8V	12	3/8"	24,5	17,0	12,0	33,0	22	24
		GE12SRG1/2VB	GE12SRG1/2V	12	1/2"	25,0	17,5	14,0	33,5	27	24
	400	GE14SRG3/8VB	GE14SRG3/8V	14	3/8"	26,5	18,5	12,0	36,5	24	27
		GE14SRG1/2VB	GE14SRG1/2V	14	1/2"	27,0	19,0	14,0	37,0	27	27
		GE14SRG3/4VB	GE14SRG3/4V	14	3/4"	27,0	19,0	16,0	39,0	32	27
		GE16SRG1/4VB	GE16SRG1/4V	16	1/4"	26,0	17,5	12,0	38,0	27	30
		GE16SRG3/8VB	GE16SRG3/8V	16	3/8"	26,5	18,0	12,0	36,5	27	30
		GE16SRG1/2VB	GE16SRG1/2V	16	1/2"	27,0	18,5	14,0	37,0	27	30
		GE16SRG3/4VB	GE16SRG3/4V	16	3/4"	29,0	20,5	16,0	39,0	32	30
		GE16SRG1VB	GE16SRG1V	16	1"	31,0	22,5	18,0	43,5	41	30
		GE20SRG3/8VB	GE20SRG3/8V	20	3/8"	28,5	18,0	12,0	-	32	36
		GE20SRG1/2VB	GE20SRG1/2V	20	1/2"	31,0	20,5	14,0	42,0	32	36
		GE20SRG3/4VB	GE20SRG3/4V	20	3/4"	31,0	20,5	16,0	42,0	32	36
		GE20SRG1VB	GE20SRG1V	20	1"	33,0	22,5	18,0	44,0	41	36
		GE20SRG11/4VB	GE20SRG11/4V	20	1,1/4"	33,0	22,5	20,0	44,0	50	36
		GE25SRG1/2VB	GE25SRG1/2V	25	1/2"	35,0	23,0	14,0	47,0	41	46
		GE25SRG3/4VB	GE25SRG3/4V	25	3/4"	35,0	23,0	16,0	47,0	41	46
	GE25SRG1VB	GE25SRG1V	25	1"	35,0	23,0	18,0	47,0	41	46	
	GE25SRG11/4VB	GE25SRG11/4V	25	1,1/4"	35,0	23,0	20,0	47,0	50	46	
315	GE30SRG3/4VB	GE30SRG3/4V	30	3/4"	39,0	25,5	16,0	-	46	50	
	GE30SRG1VB	GE30SRG1V	30	1"	37,0	23,5	18,0	50,0	46	50	
	GE30SRG11/4VB	GE30SRG11/4V	30	1,1/4"	37,0	23,5	20,0	50,0	50	50	
	GE30SRG11/2VB	GE30SRG11/2V	30	1,1/2"	37,0	23,5	22,0	53,0	55	50	
	GE38SRG1VB	GE38SRG1V	38	1"	42,0	26,0	18,0	42,0	46	50	
	GE38SRG11/4VB	GE38SRG11/4V	38	1,1/4"	42,0	26,0	20,0	57,0	55	60	
250	GE38SRG11/2VB	GE38SRG11/2V	38	1,1/2"	42,0	26,0	22,0	57,0	55	60	
	GE38SRG2VB	GE38SRG2V	38	2"	-	-	-	-	70	60	

ADATTATORE MASCHIO DI ESTREMITÀ CON GUARNIZIONE PIANA - Serie L

Filetto Metrico Cilindrico

MALE STUD COUPLING WITH CAPTIVE SEAL - L Series

Metric Parallel Thread



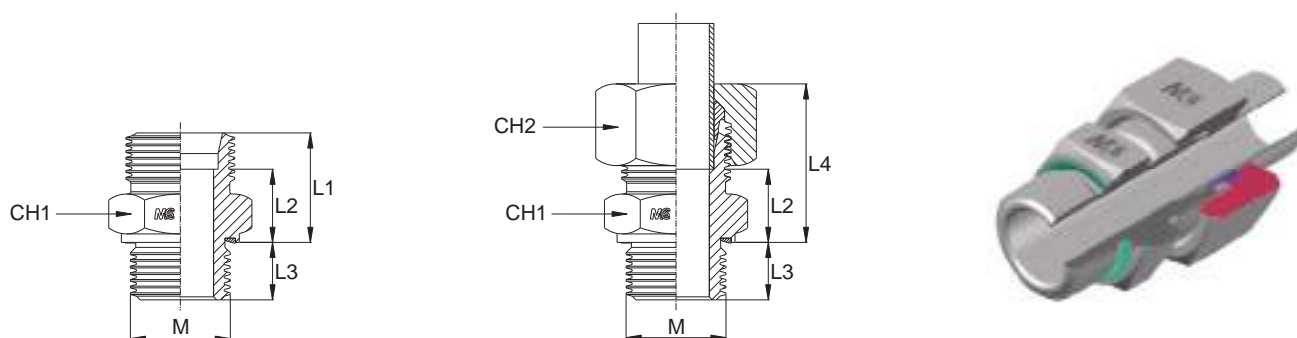
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
L	315	GE06LM101VB	GE06LM101V	6	10x1,0	15,5	8,5	8,0	23,0	14	14
		GE06LM1215VB	GE06LM1215V	6	12x1,5	17,0	10,0	12,0	-	17	14
		GE06LM1415VB	GE06LM1415V	6	14x1,5	17,0	10,0	12,0	27,0	19	14
		GE08LM101VB	GE08LM101V	8	10x1,0	16,5	8,5	8,0	24,5	14	17
		GE08LM1215VB	GE08LM1215V	8	12x1,5	17,0	10,0	12,0	25,0	17	17
		GE08LM1415VB	GE08LM1415V	8	14x1,5	17,0	10,0	12,0	27,0	19	17
		GE08LM1615VB	GE08LM1615V	8	16x1,5	18,5	11,5	12,0	27,5	22	17
		GE08LM1815VB	GE08LM1815V	8	18x1,5	18,5	11,5	12,0	26,5	24	17
		GE10LM101VB	GE10LM101V	10	10x1,0	18,0	11,0	8,0	-	17	19
		GE10LM1215VB	GE10LM1215V	10	12x1,5	18,5	11,5	12,0	28,5	17	19
		GE10LM1415VB	GE10LM1415V	10	14x1,5	18,0	11,0	12,0	26,0	19	19
		GE10LM1615VB	GE10LM1615V	10	16x1,5	19,5	12,5	12,0	27,5	22	19
		GE10LM1815VB	GE10LM1815V	10	18x1,5	19,5	12,5	12,0	27,5	24	19
		GE10LM2215VB	GE10LM2215V	10	22x1,5	21,0	14,0	14,0	29,0	27	19
		GE12LM1215VB	GE12LM1215V	12	12x1,5	20,0	13,0	12,0	28,0	19	22
		GE12LM1415VB	GE12LM1415V	12	14x1,5	19,5	12,5	12,0	27,0	19	22
		GE12LM1615VB	GE12LM1615V	12	16x1,5	19,5	12,5	12,0	27,0	22	22
		GE12LM1815VB	GE12LM1815V	12	18x1,5	19,5	12,5	12,0	27,0	24	22
		GE12LM2215VB	GE12LM2215V	12	22x1,5	21,0	14,0	14,0	28,5	27	22
		GE15LM1615VB	GE15LM1615V	15	16x1,5	20,0	13,0	12,0	28,0	24	27
GE15LM1815VB	GE15LM1815V	15	18x1,5	20,5	13,5	12,0	29,0	24	27		
GE15LM2215VB	GE15LM2215V	15	22x1,5	22,0	15,0	14,0	30,0	27	27		
GE18LM1815VB	GE18LM1815V	18	18x1,5	21,5	14,0	12,0	30,5	27	32		
GE18LM2215VB	GE18LM2215V	18	22x1,5	22,0	14,5	14,0	31,0	27	32		
GE18LM2615VB	GE18LM2615V	18	26x1,5	22,0	14,5	16,0	-	32	32		
160	GE22LM2215VB	GE22LM2215V	22	22x1,5	24,0	16,5	14,0	33,0	32	36	
	GE22LM2615VB	GE22LM2615V	22	26x1,5	24,0	16,5	16,0	33,0	32	36	
	GE28LM332VB	GE28LM332V	28	33x2,0	25,0	17,5	18,0	34,0	41	41	
	GE35LM422VB	GE35LM422V	35	42x2,0	28,0	17,5	20,0	39,0	50	50	
	GE42LM482VB	GE42LM482V	42	48x2,0	30,0	19,0	22,0	42,0	55	60	

ADATTATORE MASCHIO DI ESTREMITÀ CON GUARNIZIONE PIANA - Serie S

Filetto Metrico Cilindrico

MALE STUD COUPLING WITH CAPTIVE SEAL - S Series

Metric Parallel Thread



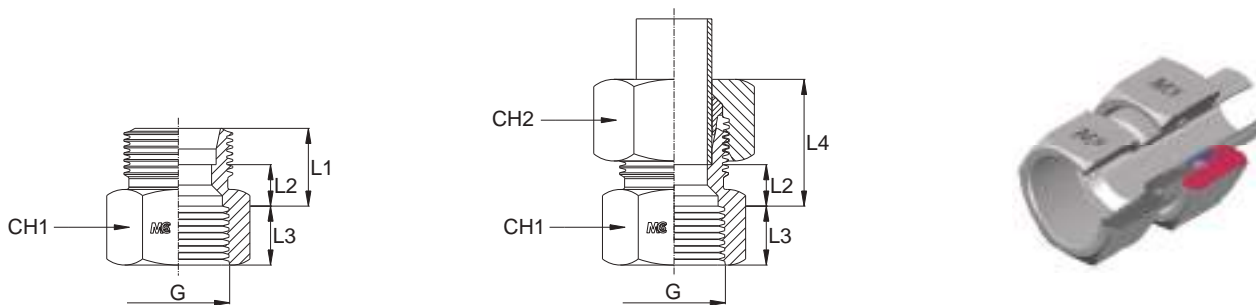
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
S	630	GE06SM1215VB	GE06SM1215V	6	12x1,5	20,0	13,0	12,0	28,0	17	17
		GE06SM1415VB	GE06SM1415V	6	14x1,5	-	-	12,0	-	19	17
		GE08SM1215VB	GE08SM1215V	8	12x1,5	22,0	15,0	12,0	32,0	17	19
		GE08SM1415VB	GE08SM1415V	8	14x1,5	22,0	15,0	12,0	30,0	19	19
		GE08SM1615VB	GE08SM1615V	8	16x1,5	-	-	12,0	-	22	19
		GE10SM1415VB	GE10SM1415V	10	14x1,5	-	-	12,0	-	19	22
		GE10SM1615VB	GE10SM1615V	10	16x1,5	22,5	15,0	12,0	31,0	22	22
		GE10SM1815VB	GE10SM1815V	10	18x1,5	25,0	17,5	12,0	-	24	22
		GE12SM1415VB	GE12SM1415V	12	14x1,5	23,5	16,0	12,0	33,0	22	24
		GE12SM1615VB	GE12SM1615V	12	16x1,5	24,5	17,0	12,0	35,5	22	24
		GE12SM1815VB	GE12SM1815V	12	18x1,5	24,5	17,0	12,0	33,0	24	24
		GE12SM2015VB	GE12SM2015V	12	20x1,5	25,0	17,5	14,0	36,0	27	24
	GE12SM2215VB	GE12SM2215V	12	22x1,5	25,0	17,5	14,0	33,5	27	24	
	GE14SM2015VB	GE14SM2015V	14	20x1,5	27,0	19,0	14,0	37,0	27	27	
	GE14SM2215VB	GE14SM2215V	14	22x1,5	26,5	18,5	14,0	39,0	27	27	
	GE16SM1815VB	GE16SM1815V	16	18x1,5	26,5	18,0	12,0	36,5	27	30	
	GE16SM2215VB	GE16SM2215V	16	22x1,5	27,0	18,5	14,0	37,0	27	30	
	GE20SM2215VB	GE20SM2215V	20	22x1,5	31,0	20,5	14,0	42,0	32	36	
	GE20SM272VB	GE20SM272V	20	27x2,0	31,0	20,5	16,0	42,0	32	36	
	GE25SM272VB	GE25SM272V	25	27x2,0	35,0	23,0	16,0	47,0	41	46	
GE25SM332VB	GE25SM332V	25	33x2,0	35,0	23,0	18,0	47,0	41	46		
GE30SM332VB	GE30SM332V	30	33x2,0	37,0	23,5	18,0	50,0	46	50		
GE30SM422VB	GE30SM422V	30	42x2,0	37,0	23,5	20,0	50,0	50	50		
315	GE38SM482VB	GE38SM482V	38	48x2,0	42,0	26,0	22,0	57,0	55	60	

ADATTATORE FEMMINA DI ESTREMITÀ - Serie L

Filetto Gas Cilindrico

FEMALE STUD COUPLING - L Series

BSP Parallel Thread



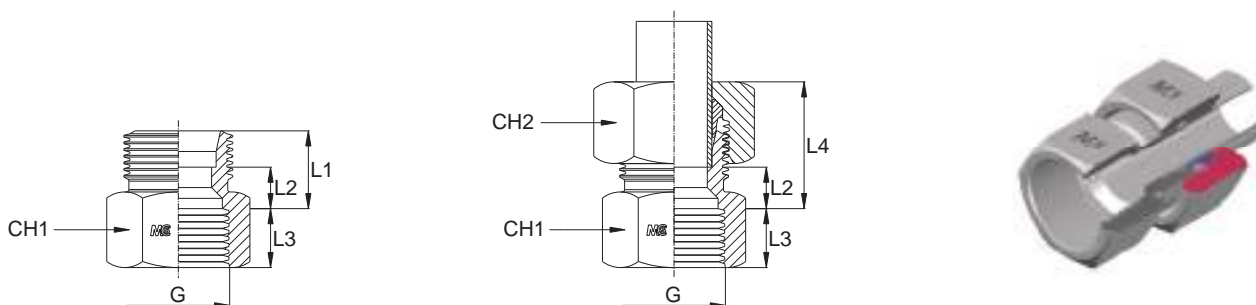
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
L	315	GAI06LRG1/8B	GAI06LRG1/8	6	1/8"	16,0	9,0	10,0	23,5	14	14
		GAI08LRG1/4B	GAI08LRG1/4	8	1/4"	17,0	10,0	14,0	25,0	19	17
		GAI10LRG1/4B	GAI10LRG1/4	10	1/4"	18,0	11,0	14,0	26,0	19	19
		GAI12LRG3/8B	GAI12LRG3/8	12	3/8"	19,0	12,0	14,0	26,5	24	22
		GAI15LRG1/2B	GAI15LRG1/2	15	1/2"	21,0	14,0	17,0	29,0	27	27
	GAI18LRG1/2B	GAI18LRG1/2	18	1/2"	21,0	13,5	17,0	30,0	27	32	
	GAI22LRG3/4B	GAI22LRG3/4	22	3/4"	24,0	16,5	19,0	33,0	36	36	
	GAI28LRG1B	GAI28LRG1	28	1"	23,5	16,0	21,5	32,5	41	41	
160	GAI35LRG1 1/4B	GAI35LRG1 1/4	35	1,1/4"	28,5	18,0	23,5	39,5	55	50	
	GAI42LRG1 1/2B	GAI42LRG1 1/2	42	1,1/2"	28,5	17,5	25,5	40,5	60	60	

ADATTATORE FEMMINA DI ESTREMITÀ - Serie S

Filetto Gas Cilindrico

FEMALE STUD COUPLING - S Series

BSP Parallel Thread



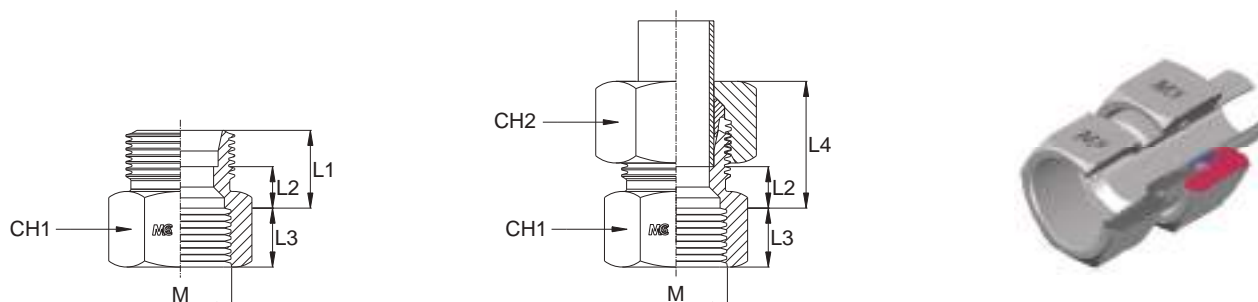
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
S	630	GAI06SRG1/4B	GAI06SRG1/4	6	1/4"	19,0	12,0	14,0	27,0	19	17
		GAI08SRG1/4B	GAI08SRG1/4	8	1/4"	19,0	12,0	14,0	27,0	19	19
		GAI10SRG3/8B	GAI10SRG3/8	10	3/8"	20,0	12,5	14,0	28,5	24	22
		GAI12SRG3/8B	GAI12SRG3/8	12	3/8"	20,0	12,5	14,0	28,5	24	24
		GAI14SRG1/2B	GAI14SRG1/2	14	1/2"	23,0	15,0	17,0	33,0	30	27
	400	GAI16SRG1/2B	GAI16SRG1/2	16	1/2"	23,0	14,5	17,0	33,0	30	30
		GAI20SRG3/4B	GAI20SRG3/4	20	3/4"	26,0	15,5	19,0	37,0	36	36
		GAI25SRG1B	GAI25SRG1	25	1"	27,5	15,5	21,5	39,5	41	46
		GAI30SRG1 1/4B	GAI30SRG1 1/4	30	1,1/4"	32,5	19,0	23,5	45,5	55	50
	315	GAI38SRG1 1/2B	GAI38SRG1 1/2	38	1,1/2"	34,5	18,5	25,5	49,5	60	60

ADATTATORE FEMMINA DI ESTREMITÀ - Serie L

Filetto Metrico Cilindrico

FEMALE STUD COUPLING - L Series

Metric Parallel Thread



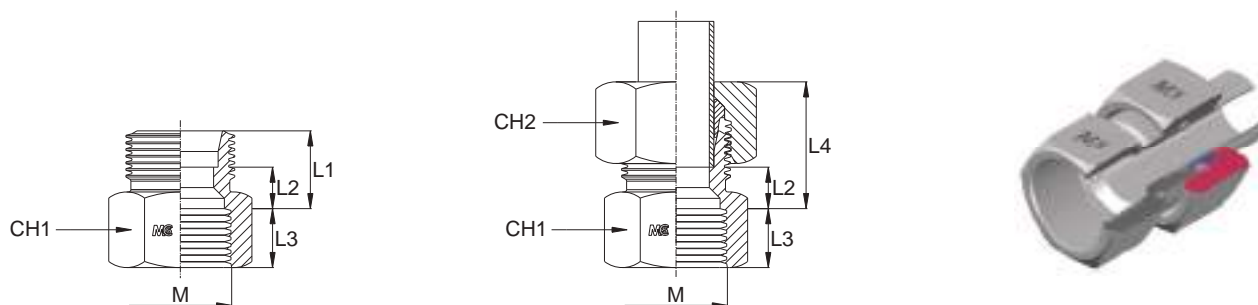
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
L	315	GAI06LM101B	GAI06LM101	6	10x1,0	16,0	9,0	10,0	23,5	14	14
		GAI08LM1215B	GAI08LM1215	8	12x1,5	16,5	9,5	14,5	24,5	17	17
		GAI10LM1415B	GAI10LM1415	10	14x1,5	17,5	10,5	14,5	25,5	19	19
		GAI12LM1615B	GAI12LM1615	12	16x1,5	18,5	11,5	14,5	26,0	22	22
		GAI15LM1815B	GAI15LM1815	15	18x1,5	23,5	16,5	14,5	31,5	24	27
	GAI18LM2215B	GAI18LM2215	18	22x1,5	21,5	14,0	16,5	30,5	30	32	
	GAI22LM2615B	GAI22LM2615	22	26x1,5	23,5	16,0	18,5	32,5	32	36	
	GAI28LM332B	GAI28LM332	28	33x2,0	24,0	16,5	21,0	33,0	41	41	
	GAI35LM422B	GAI35LM422	35	42x2,0	28,0	17,5	23,0	39,0	55	50	
	GAI42LM482B	GAI42LM482	42	48x2,0	29,0	18,0	25,0	41,0	60	60	

ADATTATORE FEMMINA DI ESTREMITÀ - Serie S

Filetto Metrico Cilindrico

FEMALE STUD COUPLING - S Series

Metric Parallel Thread



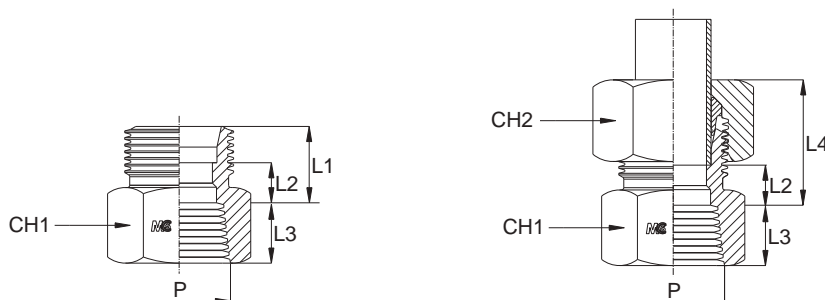
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
S	630	GAI06SM1215B	GAI06SM1215	6	12x1,5	18,5	11,5	14,5	26,5	17	17
		GAI08SM1415B	GAI08SM1415	8	14x1,5	18,5	11,5	14,5	26,5	19	19
		GAI10SM1615B	GAI10SM1615	10	16x1,5	19,5	12,0	14,5	28,0	22	22
		GAI12SM1815B	GAI12SM1815	12	18x1,5	19,5	12,0	14,5	28,0	24	24
		GAI14SM2015B	GAI14SM2015	14	20x1,5	23,5	15,5	16,5	33,5	27	27
	GAI16SM2215B	GAI16SM2215	16	22x1,5	23,5	15,0	16,5	33,5	30	30	
	GAI20SM272B	GAI20SM272	20	27x2,0	26,0	15,5	19,0	37,0	36	36	
	GAI25SM332B	GAI25SM332	25	33x2,0	28,0	16,0	21,0	40,0	41	46	
	GAI30SM422B	GAI30SM422	30	42x2,0	33,0	19,5	23,0	46,0	55	50	
	GAI38SM482B	GAI38SM482	38	48x2,0	35,0	19,0	25,0	50,0	60	60	

ADATTATORE FEMMINA DI ESTREMITÀ - Serie L

Filetto NPT

FEMALE STUD COUPLING - L Series

NPT Thread



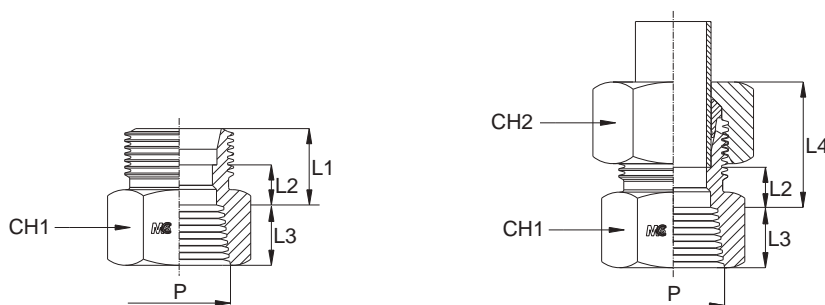
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	CH1	CH2
L	315	GAI06L1/8NPTB	GAI06L1/8NPT	6	1/8"	16,0	9,0	10,0	23,5	14	14
		GAI08L1/4NPTB	GAI08L1/4NPT	8	1/4"	17,0	10,0	14,2	25,0	19	17
		GAI10L1/4NPTB	GAI10L1/4NPT	10	1/4"	18,0	11,0	14,2	26,0	19	19
		GAI12L3/8NPTB	GAI12L3/8NPT	12	3/8"	19,0	12,0	14,2	26,5	24	22
		GAI15L1/2NPTB	GAI15L1/2NPT	15	1/2"	21,0	14,0	17,5	29,0	27	27
	GAI18L1/2NPTB	GAI18L1/2NPT	18	1/2"	21,0	13,5	17,5	30,0	27	32	
	GAI22L3/4NPTB	GAI22L3/4NPT	22	3/4"	24,0	16,5	22,0	33,0	36	36	
	GAI28L1NPTB	GAI28L1NPT	28	1"	23,5	16,0	23,0	32,5	41	41	
160	GAI35L11/4NPTB	GAI35L11/4NPT	35	1,1/4"	28,5	18,0	23,0	39,5	55	50	
	GAI42L11/2NPTB	GAI42L11/2NPT	42	1,1/2"	28,5	17,5	23,0	40,5	60	60	

ADATTATORE FEMMINA DI ESTREMITÀ - Serie S

Filetto NPT

FEMALE STUD COUPLING - S Series

NPT Thread



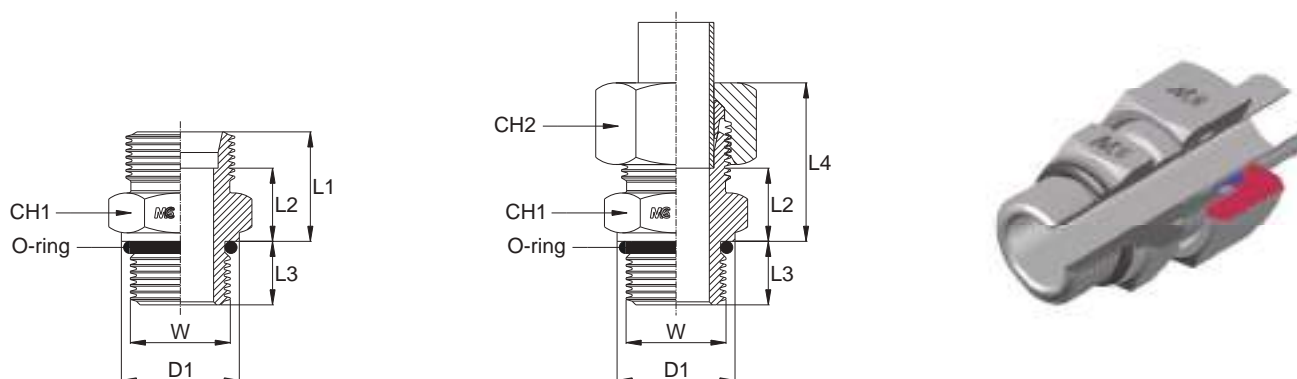
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	CH1	CH2
S	630	GAI06S1/4NPTB	GAI06S1/4NPT	6	1/4"	19,0	12,0	14,2	27,0	19	17
		GAI08S1/4NPTB	GAI08S1/4NPT	8	1/4"	19,0	12,0	14,2	27,0	19	19
		GAI10S3/8NPTB	GAI10S3/8NPT	10	3/8"	20,0	12,5	14,2	28,5	24	22
		GAI12S3/8NPTB	GAI12S3/8NPT	12	3/8"	20,0	12,5	14,2	28,5	24	24
		GAI14S1/2NPTB	GAI14S1/2NPT	14	1/2"	23,0	15,0	17,5	33,0	30	27
	400	GAI16S1/2NPTB	GAI16S1/2NPT	16	1/2"	23,0	14,5	17,5	33,0	30	30
		GAI20S3/4NPTB	GAI20S3/4NPT	20	3/4"	26,0	15,5	22,0	37,0	36	36
		GAI25S1NPTB	GAI25S1NPT	25	1"	27,5	15,5	23,0	39,5	41	46
		GAI30S11/4NPTB	GAI30S11/4NPT	30	1,1/4"	32,5	19,0	23,0	45,5	55	50
	315	GAI38S11/2NPTB	GAI38S11/2NPT	38	1,1/2"	34,5	18,5	23,0	49,5	60	60

ADATTATORE MASCHIO DI ESTREMITÀ CON O'RING - Serie L

Filetto UNF

MALE STUD COUPLING WITH O'RING - L Series

UNF Thread



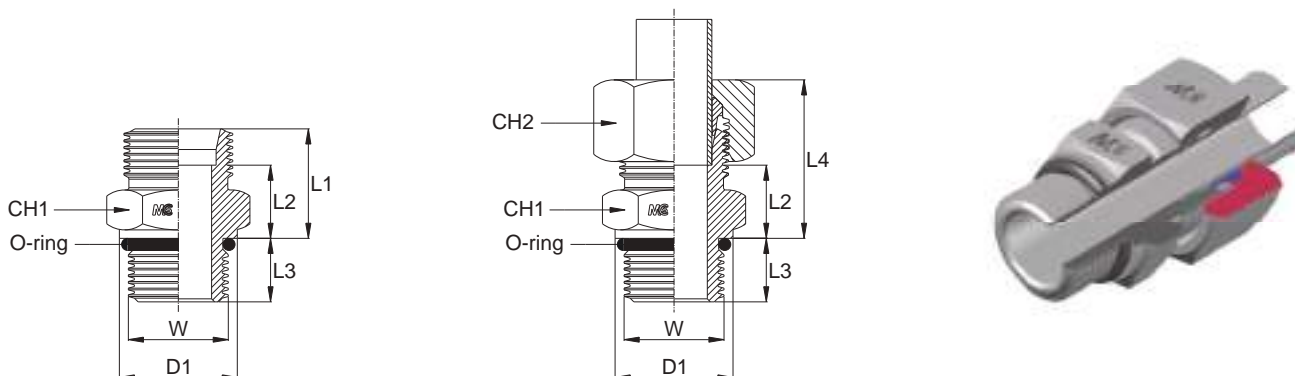
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	W	D1	L1	L2	L3	L4	CH1	CH2	O'Ring	
L	315	GE06L7/16UNFB	GE06L7/16UNF	6	7/16"-20	13,8	16,9	9,9	9,1	24,5	14	14	8,92x1,83	
		GE06L1/2UNFB	GE06L1/2UNF	6	1/2"-20	16,8	-	-	9,2	-	-	17	14	10,52x1,83
		GE06L9/16UNFB	GE06L9/16UNF	6	9/16"-18	18,8	-	-	10,0	-	-	19	14	11,90x1,98
		GE08L7/16UNFB	GE08L7/16UNF	8	7/16"-20	13,8	16,9	9,9	9,1	25,0	14	17	8,92x1,83	
		GE08L1/2UNFB	GE08L1/2UNF	8	1/2"-20	16,8	16,9	9,9	9,1	25,0	17	17	10,52x1,83	
		GE08L9/16UNFB	GE08L9/16UNF	8	9/16"-18	18,8	17,0	10,0	10,0	25,0	19	17	11,90x1,98	
		GE10L7/16UNFB	GE10L7/16UNF	10	7/16"-20	13,8	17,9	10,9	9,1	26,0	17	19	8,92x1,83	
		GE10L1/2UNFB	GE10L1/2UNF	10	1/2"-20	16,8	17,9	10,9	9,1	26,0	17	19	10,52x1,83	
		GE10L9/16UNFB	GE10L9/16UNF	10	9/16"-18	18,8	18,0	11,0	10,0	26,0	19	19	11,90x1,98	
		GE10L3/4UNFB	GE10L3/4UNF	10	3/4"-16	21,8	20,0	13,0	11,2	30,5	24	19	16,36x2,20	
		GE12L9/16UNFB	GE12L9/16UNF	12	9/16"-18	18,8	18,0	11,0	10,0	25,5	19	22	11,90x1,98	
		GE12L3/4UNFB	GE12L3/4UNF	12	3/4"-16	21,8	19,9	12,9	11,1	27,5	22	22	16,36x2,20	
	GE12L7/8UNFB	GE12L7/8UNF	12	7/8"-14	26,8	21,3	14,3	12,7	29,0	27	22	19,18x2,46		
	GE15L9/16UNFB	GE15L9/16UNF	15	9/16"-18	18,8	21,0	14,0	10,0	29,0	24	27	11,90x1,98		
	GE15L3/4UNFB	GE15L3/4UNF	15	3/4"-16	21,8	20,9	13,9	11,1	29,0	24	27	16,36x2,20		
	GE15L7/8UNFB	GE15L7/8UNF	15	7/8"-14	26,8	21,0	14,0	12,7	29,0	27	27	19,18x2,46		
	GE18L3/4UNFB	GE18L3/4UNF	18	3/4"-16	21,8	21,9	14,4	11,1	31,0	27	32	16,36x2,20		
	GE18L7/8UNFB	GE18L7/8UNF	18	7/8"-14	26,8	22,3	14,8	12,7	31,5	27	32	19,18x2,46		
	GE18L11/16UNFB	GE18L11/16UNF	18	1,1/16"-12	31,8	22,0	14,5	15,0	31,0	32	32	23,47x2,95		
	GE22L7/8UNFB	GE22L7/8UNF	22	7/8"-14	26,8	24,3	16,8	12,7	33,5	32	36	19,18x2,46		
GE22L11/16UNFB	GE22L11/16UNF	22	1,1/16"-12	31,8	23,9	16,4	15,1	33,0	32	36	23,47x2,95			
GE22L15/16UNFB	GE22L15/16UNF	22	1,5/16"-12	40,8	24,9	17,4	15,1	34,0	41	36	29,74x2,95			
GE28L7/8UNFB	GE28L7/8UNF	28	7/8"-14	26,8	25,0	17,5	12,7	34,0	41	41	19,18x2,46			
GE28L11/16UNFB	GE28L11/16UNF	28	1,1/16"-12	31,8	24,9	17,4	15,1	34,0	41	41	23,47x2,95			
GE28L15/16UNFB	GE28L15/16UNF	28	1,5/16"-12	40,8	24,9	17,4	15,1	34,0	41	41	29,74x2,95			
GE28L15/8UNFB	GE28L15/8UNF	28	1,5/8"-12	49,8	25,0	17,5	15,0	34,0	50	41	37,46x3,00			
GE35L11/16UNFB	GE35L11/16UNF	35	1,1/16"-12	31,8	28,0	17,5	15,0	39,0	46	50	23,47x2,95			
GE35L15/16UNFB	GE35L15/16UNF	35	1,5/16"-12	40,8	27,9	17,4	15,1	39,0	46	50	29,74x2,95			
GE35L15/8UNFB	GE35L15/8UNF	35	1,5/8"-12	49,8	27,9	17,4	15,1	39,0	50	50	37,46x3,00			
GE42L15/8UNFB	GE42L15/8UNF	42	1,5/8"-12	49,8	29,9	18,9	15,1	42,0	55	60	37,46x3,00			
GE42L17/8UNFB	GE42L17/8UNF	42	1,7/8"-12	54,8	29,9	18,9	15,1	42,0	55	60	43,69x3,00			

ADATTATORE MASCHIO DI ESTREMITÀ CON O'RING - Serie S

Filetto UNF

MALE STUD COUPLING WITH O'RING - S Series

UNF Thread



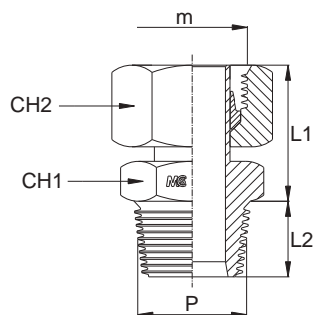
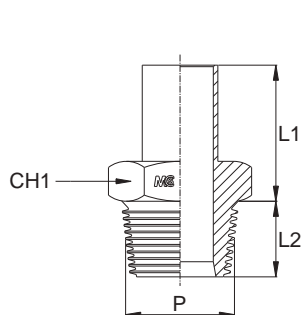
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	W	D1	L1	L2	L3	L4	CH1	CH2	O'Ring	
S	630	GE06S7/16UNFB	GE06S7/16UNF	6	7/16"-20	13,8	20,0	13,0	9,2	28,0	17	17	8,92x1,83	
		GE06S1/2UNFB	GE06S1/2UNF	6	1/2"-20	16,8	21,9	14,9	9,1	30,0	17	17	10,52x1,83	
		GE06S9/16UNFB	GE06S9/16UNF	6	9/16"-18	18,8	-	-	10,0	-	-	19	17	11,90x1,98
		GE08S7/16UNFB	GE08S7/16UNF	8	7/16"-20	13,8	21,9	14,9	9,1	30,0	17	19	8,92x1,83	
		GE08S1/2UNFB	GE08S1/2UNF	8	1/2"-20	16,8	21,9	14,9	9,1	30,0	17	19	10,52x1,83	
		GE08S9/16UNFB	GE08S9/16UNF	8	9/16"-18	18,8	-	-	10,0	-	-	19	19	11,90x1,98
		GE10S9/16UNFB	GE10S9/16UNF	10	9/16"-18	18,8	22,0	14,5	10,0	30,5	19	22	11,90x1,98	
		GE10S3/4UNFB	GE10S3/4UNF	10	3/4"-16	21,8	22,5	15,0	11,2	31,0	24	22	16,36x2,20	
		GE12S9/16UNFB	GE12S9/16UNF	12	9/16"-18	18,8	22,0	14,5	10,0	30,5	22	24	11,90x1,98	
		GE12S3/4UNFB	GE12S3/4UNF	12	3/4"-16	21,8	24,9	17,4	11,1	33,5	22	24	16,36x2,20	
	GE12S7/8UNFB	GE12S7/8UNF	12	7/8"-14	26,8	22,3	14,8	12,7	32,5	27	24	19,18x2,46		
	GE14S9/16UNFB	GE14S9/16UNF	14	9/16"-18	18,8	27,0	19,0	10,0	37,0	24	27	11,90x1,98		
	GE14S3/4UNFB	GE14S3/4UNF	14	3/4"-16	21,8	23,9	15,9	11,1	34,0	24	27	16,36x2,20		
	GE16S3/4UNFB	GE16S3/4UNF	16	3/4"-16	21,8	23,9	15,4	11,1	34,0	27	30	16,36x2,20		
	GE16S7/8UNFB	GE16S7/8UNF	16	7/8"-14	26,8	27,3	18,8	12,7	37,5	27	30	19,18x2,46		
	GE16S11/16UNFB	GE16S11/16UNF	16	1,1/16"-12	31,8	27,0	18,5	15,0	37,0	32	30	23,47x2,95		
	GE20S3/4UNFB	GE20S3/4UNF	20	3/4"-16	21,8	30,9	20,4	11,1	42,0	32	36	16,36x2,20		
	GE20S7/8UNFB	GE20S7/8UNF	20	7/8"-14	26,8	31,3	20,8	12,7	42,5	32	36	19,18x2,46		
	GE20S11/16UNFB	GE20S11/16UNF	20	1,1/16"-12	31,8	30,9	20,4	15,1	42,0	32	36	23,47x2,95		
	GE20S15/16UNFB	GE20S15/16UNF	20	1,5/16"-12	40,8	33,0	22,5	15,0	-	41	36	29,74x2,95		
GE25S11/16UNFB	GE25S11/16UNF	25	1,1/16"-12	31,8	34,9	22,9	15,1	47,0	36	46	23,47x2,95			
GE25S15/16UNFB	GE25S15/16UNF	25	1,5/16"-12	40,8	34,9	22,9	15,1	47,0	41	46	29,74x2,95			
GE30S11/16UNFB	GE30S11/16UNF	30	1,1/16"-12	31,8	39,5	23,5	15,0	50,0	46	50	23,47x2,95			
GE30S15/16UNFB	GE30S15/16UNF	30	1,5/16"-12	40,8	36,9	23,4	15,1	50,0	46	50	29,74x2,95			
GE30S15/8UNFB	GE30S15/8UNF	30	1,5/8"-12	49,8	36,9	23,4	15,1	50,0	50	50	37,46x3,00			
315	GE38S15/8UNFB	GE38S15/8UNF	38	1,5/8"-12	49,8	41,9	25,9	15,1	57,0	55	60	37,46x3,00		
GE38S17/8UNFB	GE38S17/8UNF	38	1,7/8"-12	54,8	41,9	25,9	15,1	57,0	55	60	43,69x3,00			

ADATTATORE DI ESTREMITÀ A CODOLO - Serie L

Filetto NPT

STUD STANDPIPE COUPLING - L Series

NPT Thread



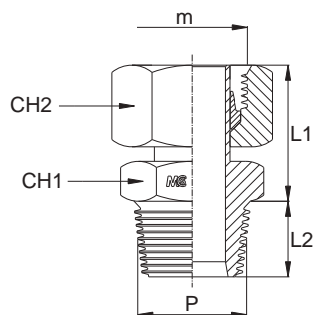
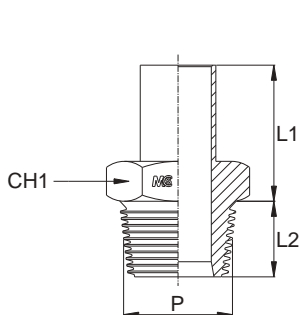
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	P	L1	L2	CH1	CH2
L	315	EVGE06L1/8NPTB	EVGE06L1/8NPT	6	12x1,5	1/8"	25,0	10,0	14	14
		EVGE06L1/4NPTB	EVGE06L1/4NPT	6	12x1,5	1/4"	25,0	15,0	14	14
		EVGE08L1/4NPTB	EVGE08L1/4NPT	8	14x1,5	1/4"	27,5	15,0	14	17
		EVGE10L1/4NPTB	EVGE10L1/4NPT	10	16x1,5	1/4"	25,5	15,0	14	19
		EVGE12L1/4NPTB	EVGE12L1/4NPT	12	18x1,5	1/4"	27,0	15,0	14	22
		EVGE12L3/8NPTB	EVGE12L3/8NPT	12	18x1,5	3/8"	31,5	15,0	19	22
		EVGE12L1/2NPTB	EVGE12L1/2NPT	12	18x1,5	1/2"	30,0	20,0	22	22
		EVGE15L3/8NPTB	EVGE15L3/8NPT	15	22x1,5	3/8"	-	15,3	19	27
		EVGE15L1/2NPTB	EVGE15L1/2NPT	15	22x1,5	1/2"	29,0	19,5	22	27
	EVGE18L1/2NPTB	EVGE18L1/2NPT	18	26x1,5	1/2"	28,5	19,5	22	32	
	EVGE22L3/4NPTB	EVGE22L3/4NPT	22	30x2,0	3/4"	29,5	20,0	27	36	
	EVGE28L1NPTB	EVGE28L1NPT	28	36x2,0	1"	32,0	25,0	36	41	
	EVGE35L11/4NPTB	EVGE35L11/4NPT	35	45x2,0	1,1/4"	39,5	25,5	46	50	
	EVGE42L11/2NPTB	EVGE42L11/2NPT	42	52x2,0	1,1/2"	43,5	26,0	50	60	

ADATTATORE DI ESTREMITÀ A CODOLO - Serie S

Filetto NPT

STUD STANDPIPE COUPLING - S Series

NPT Thread



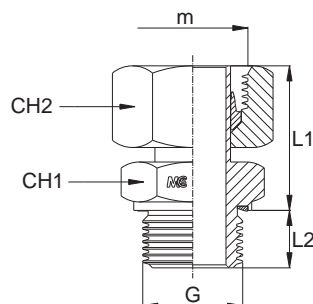
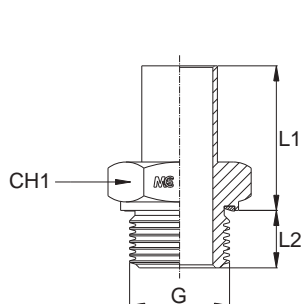
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	P	L1	L2	CH1	CH2
S	630	EVGE06S1/4NPTB	EVGE06S1/4NPT	6	14x1,5	1/4"	25,0	15,0	14	17
		EVGE08S1/4NPTB	EVGE08S1/4NPT	8	16x1,5	1/4"	27,5	15,0	14	19
		EVGE10S1/4NPTB	EVGE10S1/4NPT	10	18x1,5	1/4"	24,5	15,0	14	22
		EVGE10S3/8NPTB	EVGE10S3/8NPT	10	18x1,5	3/8"	29,5	15,0	19	22
		EVGE12S1/4NPTB	EVGE12S1/4NPT	12	20x1,5	1/4"	27,0	15,0	14	24
		EVGE12S3/8NPTB	EVGE12S3/8NPT	12	20x1,5	3/8"	31,5	15,0	19	24
		EVGE12S1/2NPTB	EVGE12S1/2NPT	12	20x1,5	1/2"	30,0	20,0	22	24
	400	EVGE14S1/2NPTB	EVGE14S1/2NPT	14	22x1,5	1/2"	33,5	19,5	22	27
		EVGE16S1/2NPTB	EVGE16S1/2NPT	16	24x1,5	1/2"	34,0	19,5	22	30
		EVGE20S3/4NPTB	EVGE20S3/4NPT	20	30x2,0	3/4"	40,0	20,0	27	36
		EVGE25S1NPTB	EVGE25S1NPT	25	36x2,0	1"	45,0	25,0	36	46
		EVGE30S11/4NPTB	EVGE30S11/4NPT	30	42x2,0	1,1/4"	48,0	25,5	46	50
	315	EVGE38S11/2NPTB	EVGE38S11/2NPT	38	52x2,0	1,1/2"	57,0	26,0	50	60

ADATTATORE DI ESTREMITÀ A CODOLO CON GUARNIZIONE PIANA - Serie L

Filetto Gas Cilindrico

STUD STANDPIPE COUPLING WITH CAPTIVE SEAL - L Series

BSP Parallel Thread



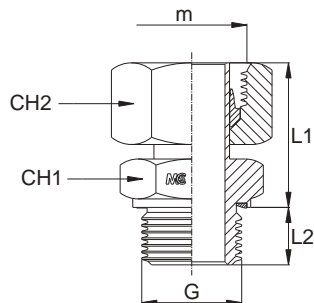
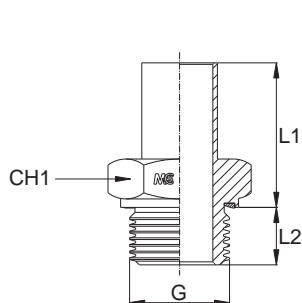
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	CH1	CH2
L	315	EVGE06LG1/8VB	EVGE06LG1/8V	6	12x1,5	1/8"	24,5	8,0	14	14
		EVGE06LG1/4VB	EVGE06LG1/4V	6	12x1,5	1/4"	27,5	12,0	19	14
		EVGE08LG1/4VB	EVGE08LG1/4V	8	14x1,5	1/4"	29,5	12,0	19	17
		EVGE08LG3/8VB	EVGE08LG3/8V	8	14x1,5	3/8"	30,5	12,0	22	17
		EVGE10LG1/4VB	EVGE10LG1/4V	10	16x1,5	1/4"	27,5	12,0	19	19
		EVGE10LG3/8VB	EVGE10LG3/8V	10	16x1,5	3/8"	32,0	12,0	22	19
		EVGE10LG1/2VB	EVGE10LG1/2V	10	16x1,5	1/2"	33,0	14,0	27	19
		EVGE12LG1/4VB	EVGE12LG1/4V	12	18x1,5	1/4"	30,0	12,0	19	22
		EVGE12LG3/8VB	EVGE12LG3/8V	12	18x1,5	3/8"	34,0	12,0	22	22
		EVGE12LG1/2VB	EVGE12LG1/2V	12	18x1,5	1/2"	34,5	14,0	27	22
		EVGE15LG3/8VB	EVGE15LG3/8V	15	22x1,5	3/8"	33,5	12,0	22	27
		EVGE15LG1/2VB	EVGE15LG1/2V	15	22x1,5	1/2"	32,0	14,0	27	27
	EVGE18LG3/8VB	EVGE18LG3/8V	18	26x1,5	3/8"	32,0	12,0	22	32	
	EVGE18LG1/2VB	EVGE18LG1/2V	18	26x1,5	1/2"	31,5	14,0	27	32	
	EVGE18LG3/4VB	EVGE18LG3/4V	18	26x1,5	3/4"	36,0	16,0	32	32	
	EVGE22LG3/8VB	EVGE22LG3/8V	22	30x2,0	3/8"	34,0	12,0	24	36	
	EVGE22LG1/2VB	EVGE22LG1/2V	22	30x2,0	1/2"	36,5	14,0	27	36	
	EVGE22LG3/4VB	EVGE22LG3/4V	22	30x2,0	3/4"	32,5	16,0	32	36	
EVGE22LG1VB	EVGE22LG1V	22	30x2,0	1"	34,5	18,0	41	36		
EVGE28LG3/4VB	EVGE28LG3/4V	28	36x2,0	3/4"	36,5	16,0	32	41		
EVGE28LG1VB	EVGE28LG1V	28	36x2,0	1"	35,0	18,0	41	41		
EVGE35LG11/4VB	EVGE35LG11/4V	35	45x2,0	1,1/4"	42,5	20,0	50	50		
EVGE42LG11/2VB	EVGE42LG11/2V	42	52x2,0	1,1/2"	46,5	22,0	55	60		

ADATTATORE DI ESTREMITÀ A CODOLO CON GUARNIZIONE PIANA - Serie S

Filetto Gas Cilindrico

STUD STANDPIPE COUPLING WITH CAPTIVE SEAL - S Series

BSP Parallel Thread



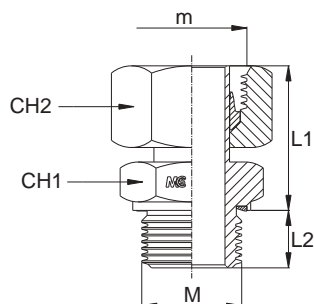
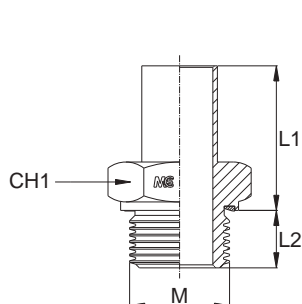
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	CH1	CH2
S	630	EVGE06SG1/8VB	EVGE06SG1/8V	6	14x1,5	1/8"	24,5	8,0	14	17
		EVGE06SG1/4VB	EVGE06SG1/4V	6	14x1,5	1/4"	27,0	12,0	19	17
		EVGE08SG1/4VB	EVGE08SG1/4V	8	16x1,5	1/4"	29,5	12,0	19	19
		EVGE08SG3/8VB	EVGE08SG3/8V	8	16x1,5	3/8"	30,5	12,0	22	19
		EVGE10SG1/4VB	EVGE10SG1/4V	10	18x1,5	1/4"	27,5	12,0	19	22
		EVGE10SG3/8VB	EVGE10SG3/8V	10	18x1,5	3/8"	32,0	12,0	22	22
		EVGE10SG1/2VB	EVGE10SG1/2V	10	18x1,5	1/2"	32,5	14,0	27	22
		EVGE12SG1/4VB	EVGE12SG1/4V	12	20x1,5	1/4"	30,0	12,0	19	24
		EVGE12SG3/8VB	EVGE12SG3/8V	12	20x1,5	3/8"	34,0	12,0	22	24
		EVGE12SG1/2VB	EVGE12SG1/2V	12	20x1,5	1/2"	34,5	14,0	27	24
	EVGE14SG1/2VB	EVGE14SG1/2V	14	22x1,5	1/2"	36,5	14,0	27	27	
	400	EVGE16SG3/8VB	EVGE16SG3/8V	16	24x1,5	3/8"	36,5	12,0	22	30
		EVGE16SG1/2VB	EVGE16SG1/2V	16	24x1,5	1/2"	37,0	14,0	27	30
		EVGE16SG3/4VB	EVGE16SG3/4V	16	24x1,5	3/4"	48,5	16,0	32	30
		EVGE20SG3/4VB	EVGE20SG3/4V	20	30x2,0	3/4"	43,0	16,0	32	36
		EVGE20SG1/2VB	EVGE20SG1/2V	20	30x2,0	1/2"	42,5	14,0	27	36
		EVGE25SG3/4VB	EVGE25SG3/4V	25	36x2,0	3/4"	47,0	16,0	32	46
		EVGE25SG1VB	EVGE25SG1V	25	36x2,0	1"	48,0	18,0	41	46
		EVGE30SG11/4VB	EVGE30SG11/4V	30	42x2,0	1,1/4"	51,0	20,0	50	50
	315	EVGE38SG11/2VB	EVGE38SG11/2V	38	52x2,0	1,1/2"	60,0	22,0	55	60

ADATTATORE DI ESTREMITÀ A CODOLO CON GUARNIZIONE PIANA - Serie L

Filetto Metrico Cilindrico

STUD STANDPIPE COUPLING WITH CAPTIVE SEAL - L Series

Metric Parallel Thread



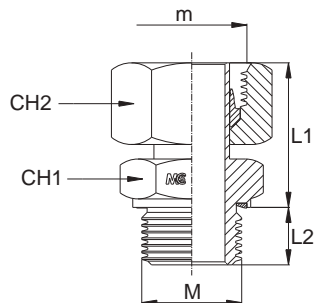
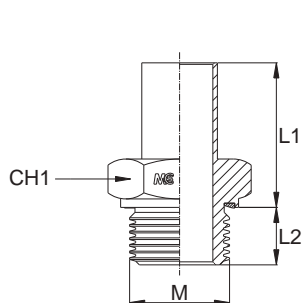
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	M	L1	L2	CH1	CH2
L	315	EVGE06LM101VB	EVGE06LM101V	6	12x1,5	10x1,0	24,5	8,0	14	14
		EVGE08LM1215VB	EVGE08LM1215V	8	14x1,5	12x1,5	26,5	12,0	17	17
		EVGE10LM1415VB	EVGE10LM1415V	10	16x1,5	14x1,5	27,5	12,0	19	19
		EVGE12LM1615VB	EVGE12LM1615V	12	18x1,5	16x1,5	30,5	12,0	22	22
		EVGE15LM1815VB	EVGE15LM1815V	15	22x1,5	18x1,5	31,5	12,0	24	27
		EVGE18LM2215VB	EVGE18LM2215V	18	26x1,5	22x1,5	31,5	14,0	27	32
	160	EVGE22LM2615VB	EVGE22LM2615V	22	30x2,0	26x1,5	32,5	16,0	32	36
		EVGE28LM332VB	EVGE28LM332V	28	36x2,0	33x2,0	35,0	18,0	41	41
		EVGE35LM422VB	EVGE35LM422V	35	45x2,0	42x2,0	42,5	20,0	50	50
		EVGE42LM482VB	EVGE42LM482V	42	52x2,0	48x2,0	46,5	22,0	55	60

ADATTATORE DI ESTREMITÀ A CODOLO CON GUARNIZIONE PIANA - Serie S

Filetto Metrico Cilindrico

STUD STANDPIPE COUPLING WITH CAPTIVE SEAL - S Series

Metric Parallel Thread



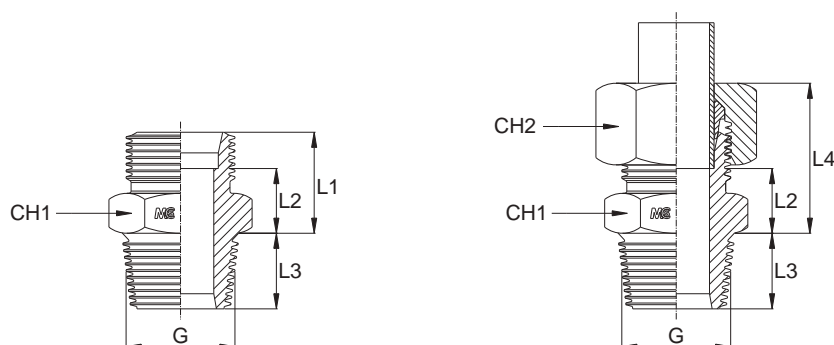
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	M	L1	L2	CH1	CH2
S	630	EVGE06SM1215VB	EVGE06SM1215V	6	14x1,5	12x1,5	27,0	12,0	17	17
		EVGE08SM1415VB	EVGE08SM1415V	8	16x1,5	14x1,5	29,5	12,0	19	19
		EVGE10SM1615VB	EVGE10SM1615V	10	18x1,5	16x1,5	32,0	12,0	22	22
		EVGE12SM1815VB	EVGE12SM1815V	12	20x1,5	18x1,5	34,0	12,0	24	24
		EVGE14SM2015VB	EVGE14SM2015V	14	22x1,5	20x1,5	36,5	14,0	27	27
	400	EVGE16SM2215VB	EVGE16SM2215V	16	24x1,5	22x1,5	37,0	14,0	27	30
		EVGE20SM272VB	EVGE20SM272V	20	30x2,0	27x2,0	43,0	16,0	32	36
		EVGE25SM332VB	EVGE25SM332V	25	36x2,0	33x2,0	48,0	18,0	41	46
		EVGE30SM422VB	EVGE30SM422V	30	42x2,0	42x2,0	51,0	20,0	50	50
	315	EVGE38SM482VB	EVGE38SM482V	38	52x2,0	48x2,0	60,0	22,0	55	60

ADATTATORE MASCHIO DI ESTREMITÀ - Serie L

Filetto Gas Conico

MALE STUD COUPLING - L Series

BSP Taper Thread



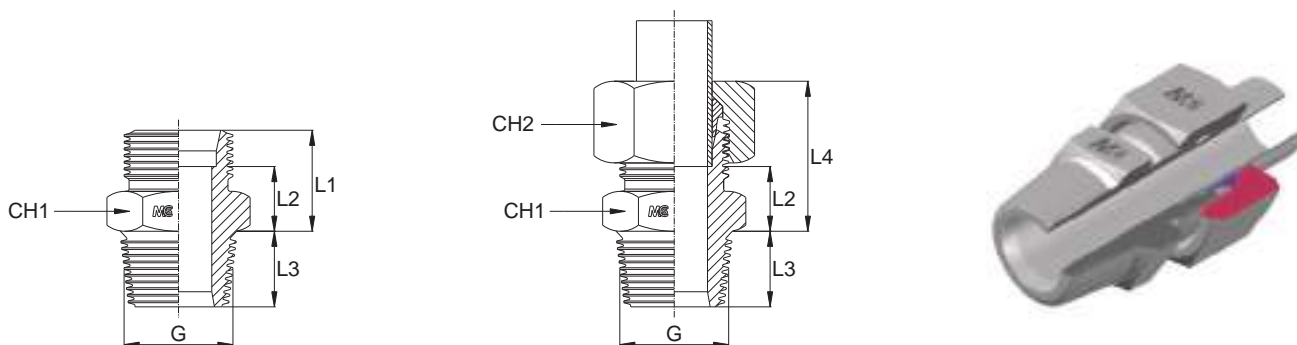
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
L	315	GE06L1/8BSPTB	GE06L1/8BSPT	6	1/8"	14,0	7,0	8,0	22,0	14	14
		GE06L1/4BSPTB	GE06L1/4BSPT	6	1/4"	15,0	8,0	12,0	22,5	14	14
		GE06L3/8BSPTB	GE06L3/8BSPT	6	3/8"	16,0	9,0	12,0	24,0	17	14
		GE06L1/2BSPTB	GE06L1/2BSPT	6	1/2"	16,0	9,0	14,0	26,0	22	14
		GE08L1/8BSPTB	GE08L1/8BSPT	8	1/8"	15,0	8,0	8,0	22,0	14	17
		GE08L1/4BSPTB	GE08L1/4BSPT	8	1/4"	15,0	8,0	12,0	23,0	17	17
		GE08L3/8BSPTB	GE08L3/8BSPT	8	3/8"	16,0	9,0	12,0	25,0	19	17
		GE08L1/2BSPTB	GE08L1/2BSPT	8	1/2"	16,0	9,0	14,0	25,0	22	17
		GE10L1/8BSPTB	GE10L1/8BSPT	10	1/8"	16,0	9,0	8,0	24,0	17	19
		GE10L1/4BSPTB	GE10L1/4BSPT	10	1/4"	16,0	9,0	12,0	24,0	17	19
		GE10L3/8BSPTB	GE10L3/8BSPT	10	3/8"	17,0	10,0	12,0	25,0	19	19
		GE10L1/2BSPTB	GE10L1/2BSPT	10	1/2"	17,0	10,0	14,0	25,0	22	19
		GE12L1/8BSPTB	GE12L1/8BSPT	12	1/8"	-	-	8,0	24,0	19	22
		GE12L1/4BSPTB	GE12L1/4BSPT	12	1/4"	17,0	10,0	12,0	24,5	19	22
		GE12L3/8BSPTB	GE12L3/8BSPT	12	3/8"	17,0	10,0	12,0	24,5	19	22
		GE12L1/2BSPTB	GE12L1/2BSPT	12	1/2"	17,0	10,0	14,0	24,5	22	22
	GE12L3/4BSPTB	GE12L3/4BSPT	12	3/4"	-	-	16,0	26,0	27	22	
	GE15L1/4BSPTB	GE15L1/4BSPT	15	1/4"	-	-	12,0	25,0	24	27	
	GE15L3/8BSPTB	GE15L3/8BSPT	15	3/8"	18,0	11,0	12,0	26,0	24	27	
	GE15L1/2BSPTB	GE15L1/2BSPT	15	1/2"	18,0	11,0	14,0	26,0	24	27	
	GE15L3/4BSPTB	GE15L3/4BSPT	15	3/4"	-	-	16,0	-	27	27	
	GE18L3/8BSPTB	GE18L3/8BSPT	18	3/8"	19,0	11,5	12,0	30,0	27	32	
	GE18L1/2BSPTB	GE18L1/2BSPT	18	1/2"	19,0	11,5	14,0	28,0	27	32	
	GE18L3/4BSPTB	GE18L3/4BSPT	18	3/4"	19,0	11,5	16,0	28,0	32	32	
	160	GE22L3/8BSPTB	GE22L3/8BSPT	22	3/8"	21,0	13,5	12,0	34,0	32	36
		GE22L1/2BSPTB	GE22L1/2BSPT	22	1/2"	19,0	11,5	14,0	32,0	32	36
		GE22L3/4BSPTB	GE22L3/4BSPT	22	3/4"	21,0	13,5	16,0	30,0	32	36
		GE22L1BSPTB	GE22L1BSPT	22	1"	21,0	13,5	18,0	32,0	36	36
GE28L1/2BSPTB		GE28L1/2BSPT	28	1/2"	-	-	14,0	-	41	41	
GE28L3/4BSPTB		GE28L3/4BSPT	28	3/4"	22,0	14,5	16,0	33,0	41	41	
GE28L1BSPTB		GE28L1BSPT	28	1"	22,0	14,5	18,0	31,0	41	41	
GE28L11/4BSPTB		GE28L11/4BSPT	28	1,1/4"	18,0	10,5	20,0	29,0	46	41	
GE35L1BSPTB		GE35L1BSPT	35	1"	20,0	9,5	18,0	33,0	46	50	
GE35L11/4BSPTB		GE35L11/4BSPT	35	1,1/4"	25,0	14,5	20,0	36,0	46	50	
GE35L11/2BSPTB		GE35L11/2BSPT	35	1,1/2"	-	-	22,0	-	50	50	
GE42L11/4BSPTB		GE42L11/4BSPT	42	1,1/4"	22,0	11,0	20,0	35,0	55	60	
GE42L11/2BSPTB	GE42L11/2BSPT	42	1,1/2"	27,0	16,0	22,0	39,0	55	60		

ADATTATORE MASCHIO DI ESTREMITÀ - Serie S

Filetto Gas Conico

MALE STUD COUPLING - S Series

BSP Taper Thread



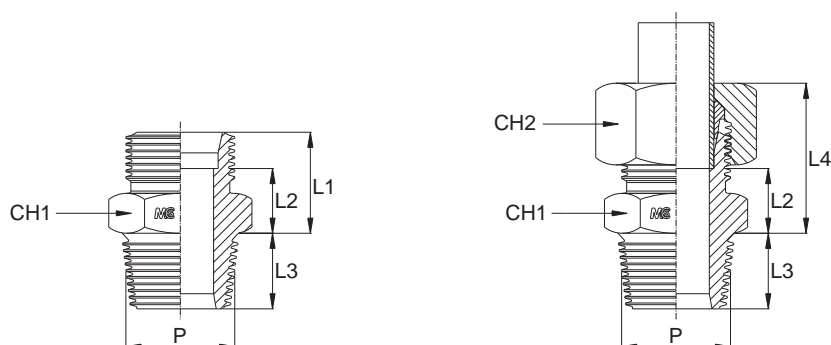
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	CH1	CH2
S	630	GE06S1/8BSPTB	GE06S1/8BSPT	6	1/8"	-	-	8,0	-	17	17
		GE06S1/4BSPTB	GE06S1/4BSPT	6	1/4"	18,0	11,0	12,0	26,0	17	17
		GE06S3/8BSPTB	GE06S3/8BSPT	6	3/8"	-	-	12,0	-	17	17
		GE08S1/8BSPTB	GE08S1/8BSPT	8	1/8"	-	-	8,0	-	17	19
		GE08S1/4BSPTB	GE08S1/4BSPT	8	1/4"	20,0	13,0	12,0	28,0	17	19
		GE08S3/8BSPTB	GE08S3/8BSPT	8	3/8"	20,0	13,0	12,0	28,0	19	19
		GE10S1/4BSPTB	GE10S1/4BSPT	10	1/4"	20,5	13,0	12,0	29,0	19	22
		GE10S3/8BSPTB	GE10S3/8BSPT	10	3/8"	20,0	12,5	12,0	28,5	19	22
		GE10S1/2BSPTB	GE10S1/2BSPT	10	1/2"	-	-	14,0	-	22	22
		GE12S1/4BSPTB	GE12S1/4BSPT	12	1/4"	22,0	14,5	12,0	31,0	22	24
	GE12S3/8BSPTB	GE12S3/8BSPT	12	3/8"	22,0	14,5	12,0	30,5	22	24	
	GE12S1/2BSPTB	GE12S1/2BSPT	12	1/2"	22,0	14,5	14,0	30,5	22	24	
	GE14S3/8BSPTB	GE14S3/8BSPT	14	3/8"	24,0	16,0	12,0	34,0	24	27	
	GE14S1/2BSPTB	GE14S1/2BSPT	14	1/2"	24,0	16,0	14,0	34,0	24	27	
	GE16S3/8BSPTB	GE16S3/8BSPT	16	3/8"	24,0	15,5	12,0	34,0	27	30	
	GE16S1/2BSPTB	GE16S1/2BSPT	16	1/2"	24,0	15,5	14,0	34,0	27	30	
	GE16S3/4BSPTB	GE16S3/4BSPT	16	3/4"	-	-	16,0	-	27	30	
	GE20S1/2BSPTB	GE20S1/2BSPT	20	1/2"	28,0	17,5	14,0	39,0	32	36	
	GE20S3/4BSPTB	GE20S3/4BSPT	20	3/4"	28,0	17,5	16,0	39,0	32	36	
	GE20S1BSPTB	GE20S1BSPT	20	1"	-	-	18,0	-	36	36	
GE25S3/4BSPTB	GE25S3/4BSPT	25	3/4"	32,0	20,0	16,0	44,0	41	46		
GE25S1BSPTB	GE25S1BSPT	25	1"	32,0	20,0	18,0	44,0	41	46		
GE30S1BSPTB	GE30S1BSPT	30	1"	34,0	20,5	18,0	47,0	46	50		
GE30S11/4BSPTB	GE30S11/4BSPT	30	1,1/4"	34,0	20,5	20,0	47,0	46	50		
315	GE38S11/2BSPTB	GE38S11/2BSPT	38	1,1/2"	39,0	23,0	22,0	54,0	55	60	

ADATTATORE MASCHIO DI ESTREMITÀ - Serie L

Filetto NPT

MALE STUD COUPLING - L Series

NPT Thread



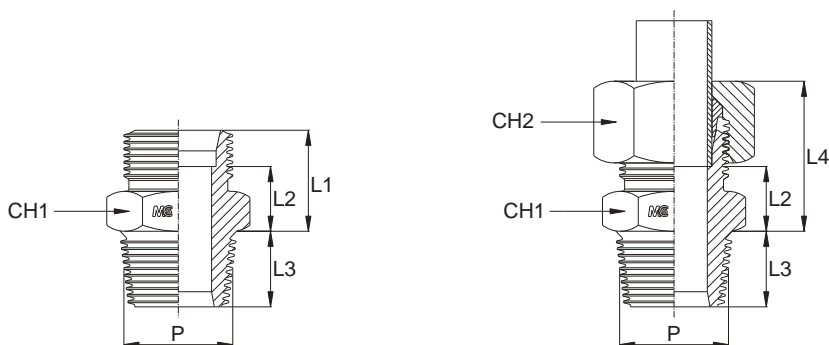
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	CH1	CH2
L	315	GE06L1/8NPTB	GE06L1/8NPT	6	1/8"	14,0	7,0	10,0	22,0	14	14
		GE06L1/4NPTB	GE06L1/4NPT	6	1/4"	15,0	8,0	15,0	22,5	14	14
		GE06L3/8NPTB	GE06L3/8NPT	6	3/8"	14,7	7,7	15,3	22,7	19	14
		GE06L1/2NPTB	GE06L1/2NPT	6	1/2"	16,0	9,0	20,0	24,0	22	14
		GE08L1/8NPTB	GE08L1/8NPT	8	1/8"	15,0	8,0	10,0	23,0	17	17
		GE08L1/4NPTB	GE08L1/4NPT	8	1/4"	15,0	8,0	15,0	23,0	17	17
		GE08L3/8NPTB	GE08L3/8NPT	8	3/8"	16,0	9,0	15,0	24,0	19	17
		GE08L1/2NPTB	GE08L1/2NPT	8	1/2"	16,5	9,5	19,5	24,5	22	17
		GE10L1/4NPTB	GE10L1/4NPT	10	1/4"	16,0	9,0	15,0	24,0	17	19
		GE10L3/8NPTB	GE10L3/8NPT	10	3/8"	17,0	10,0	15,0	25,0	19	19
		GE10L1/2NPTB	GE10L1/2NPT	10	1/2"	17,5	10,5	19,5	25,5	22	19
		GE10L3/4NPTB	GE10L3/4NPT	10	3/4"	18,0	11,0	20,0	26,0	27	19
		GE10L1/8NPTB	GE10L1/8NPT	10	1/8"	16,0	9,0	10,0	24,0	17	19
		GE12L1/8NPTB	GE12L1/8NPT	12	1/8"	16,0	9,0	10,0	24,0	19	22
		GE12L1/4NPTB	GE12L1/4NPT	12	1/4"	17,0	10,0	15,0	24,5	19	22
		GE12L3/8NPTB	GE12L3/8NPT	12	3/8"	17,0	10,0	15,0	24,5	19	22
		GE12L1/2NPTB	GE12L1/2NPT	12	1/2"	17,5	10,5	19,5	25,0	22	22
		GE12L3/4NPTB	GE12L3/4NPT	12	3/4"	18,0	11,0	20,0	28,0	27	22
		GE15L1/4NPTB	GE15L1/4NPT	15	1/4"	18,0	11,0	15,0	30,0	24	27
		GE15L3/8NPTB	GE15L3/8NPT	15	3/8"	18,0	11,0	15,0	26,0	24	27
	GE15L1/2NPTB	GE15L1/2NPT	15	1/2"	18,5	11,5	19,5	26,5	24	27	
	GE15L3/4NPTB	GE15L3/4NPT	15	3/4"	19,0	12,0	20,0	27,0	27	27	
	GE18L3/8NPTB	GE18L3/8NPT	18	3/8"	18,7	11,2	15,3	27,7	27	32	
	GE18L1/2NPTB	GE18L1/2NPT	18	1/2"	19,5	12,0	19,5	28,5	27	32	
	GE18L3/4NPTB	GE18L3/4NPT	18	3/4"	19,0	11,5	20,0	28,0	32	32	
	GE18L1NPTB	GE18L1NPT	18	1"	20,0	12,5	25,0	29,0	36	32	
	160	GE22L3/8NPTB	GE22L3/8NPT	22	3/8"	20,7	13,2	15,3	29,7	32	36
		GE22L1/2NPTB	GE22L1/2NPT	22	1/2"	21,0	13,5	20,0	30,0	32	36
GE22L3/4NPTB		GE22L3/4NPT	22	3/4"	21,0	13,5	20,0	30,0	32	36	
GE22L1NPTB		GE22L1NPT	22	1"	22,0	14,5	25,0	31,0	36	36	
GE22L11/4NPTB		GE22L11/4NPT	22	1,1/4"	28,5	21,0	25,5	42,5	46	36	
GE28L1/2NPTB		GE28L1/2NPT	28	1/2"	22,5	15,0	20,0	36,0	41	41	
GE28L3/4NPTB		GE28L3/4NPT	28	3/4"	22,0	14,5	20,0	31,0	41	41	
GE28L1NPTB		GE28L1NPT	28	1"	22,0	14,5	25,0	31,0	41	41	
GE28L11/4NPTB		GE28L11/4NPT	28	1,1/4"	23,0	15,5	25,5	22,5	46	41	
GE35L3/4NPTB		GE35L3/4NPT	35	3/4"	-	-	20,0	-	46	50	
GE35L1NPTB		GE35L1NPT	35	1"	25,0	14,5	25,0	36,0	46	50	
GE35L11/4NPTB		GE35L11/4NPT	35	1,1/4"	25,5	15,0	25,5	36,5	46	50	
GE35L11/2NPTB	GE35L11/2NPT	35	1,1/2"	27,0	16,5	26,0	43,0	55	50		
GE42L1NPTB	GE42L1NPT	42	1"	26,5	15,5	25,0	42,0	55	60		
GE42L11/4NPTB	GE42L11/4NPT	42	1,1/4"	27,5	16,5	25,5	39,5	55	60		
GE42L11/2NPTB	GE42L11/2NPT	42	1,1/2"	27,0	16,0	26,0	39,0	55	60		

ADATTATORE MASCHIO DI ESTREMITÀ - Serie S

Filetto NPT

MALE STUD COUPLING - S Series

NPT Thread



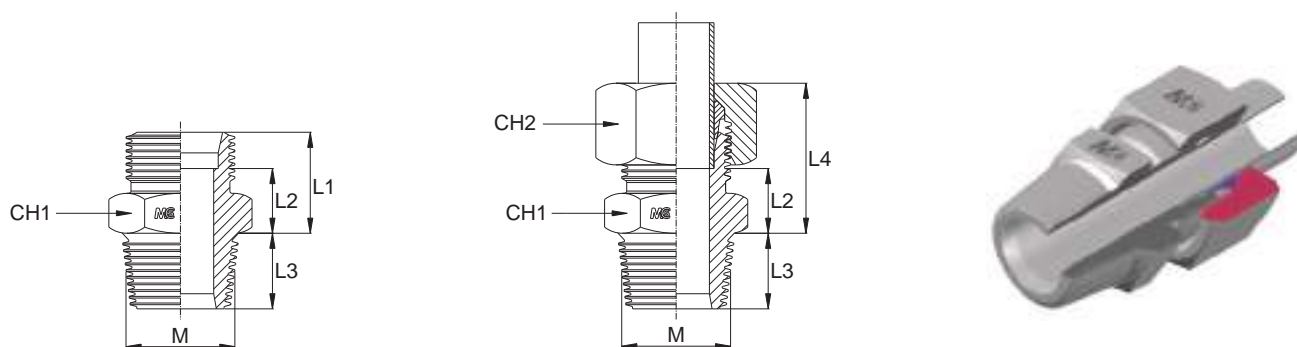
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	CH1	CH2
S	630	GE06S1/8NPTB	GE06S1/8NPT	6	1/8"	18,0	11,0	10,0	26,0	14	17
		GE06S1/4NPTB	GE06S1/4NPT	6	1/4"	18,0	11,0	15,0	26,0	17	17
		GE06S3/8NPTB	GE06S3/8NPT	6	3/8"	17,7	10,7	15,3	25,7	19	17
		GE06S1/2NPTB	GE06S1/2NPT	6	1/2"	22,0	15,0	20,0	30,0	22	17
		GE08S1/8NPTB	GE08S1/8NPT	8	1/8"	20,0	13,0	10,0	-	17	19
		GE08S1/4NPTB	GE08S1/4NPT	8	1/4"	20,0	13,0	15,0	28,0	17	19
		GE08S3/8NPTB	GE08S3/8NPT	8	3/8"	19,7	12,7	15,3	27,7	19	19
		GE08S1/2NPTB	GE08S1/2NPT	8	1/2"	22,0	15,0	20,0	30,0	22	19
		GE10S1/8NPTB	GE10S1/8NPT	10	1/8"	-	-	10,0	-	19	22
		GE10S1/4NPTB	GE10S1/4NPT	10	1/4"	20,0	12,5	15,0	29,0	19	22
		GE10S3/8NPTB	GE10S3/8NPT	10	3/8"	20,0	12,5	15,0	28,5	19	22
		GE10S1/2NPTB	GE10S1/2NPT	10	1/2"	22,0	14,5	20,0	31,0	22	22
		GE10S3/4NPTB	GE10S3/4NPT	10	3/4"	24,0	16,5	20,0	33,0	27	22
		GE12S1/4NPTB	GE12S1/4NPT	12	1/4"	22,0	14,5	15,0	31,0	22	24
		GE12S3/8NPTB	GE12S3/8NPT	12	3/8"	22,0	14,5	15,0	30,5	22	24
	GE12S1/2NPTB	GE12S1/2NPT	12	1/2"	22,5	15,0	19,5	31,0	22	24	
	GE12S3/4NPTB	GE12S3/4NPT	12	3/4"	24,0	16,5	20,0	33,0	27	24	
	GE14S3/8NPTB	GE14S3/8NPT	14	3/8"	24,0	16,0	15,0	34,0	24	27	
	GE14S1/2NPTB	GE14S1/2NPT	14	1/2"	24,5	16,5	19,5	34,5	24	27	
	GE14S3/4NPTB	GE14S3/4NPT	14	3/4"	26,0	18,0	20,0	36,0	27	27	
	400	GE16S3/8NPTB	GE16S3/8NPT	16	3/8"	24,0	15,5	15,0	34,0	27	30
		GE16S1/2NPTB	GE16S1/2NPT	16	1/2"	24,5	16,0	19,5	34,5	27	30
		GE16S3/4NPTB	GE16S3/4NPT	16	3/4"	26,0	17,5	20,0	36,0	30	30
		GE16S1NPTB	GE16S1NPT	16	1"	28,0	19,5	25,0	38,0	36	30
		GE20S3/8NPTB	GE20S3/8NPT	20	3/8"	27,7	17,2	15,3	-	32	36
		GE20S1/2NPTB	GE20S1/2NPT	20	1/2"	28,5	18,0	19,5	39,5	32	36
		GE20S3/4NPTB	GE20S3/4NPT	20	3/4"	28,0	17,5	20,0	39,0	32	36
		GE20S1NPTB	GE20S1NPT	20	1"	28,0	17,5	25,0	39,0	36	36
		GE20S11/4NPTB	GE20S11/4NPT	20	1,1/4"	-	-	25,5	-	46	36
		GE25S1/2NPTB	GE25S1/2NPT	25	1/2"	-	-	20,0	-	41	46
GE25S3/4NPTB		GE25S3/4NPT	25	3/4"	32,0	20,0	20,0	44,0	41	46	
GE25S1NPTB		GE25S1NPT	25	1"	32,0	20,0	25,0	44,0	41	46	
GE25S11/4NPTB		GE25S11/4NPT	25	1,1/4"	32,5	20,5	25,5	44,5	46	46	
GE30S3/4NPTB		GE30S3/4NPT	30	3/4"	34,0	20,5	20,0	47,0	46	50	
GE30S1NPTB		GE30S1NPT	30	1"	34,0	20,5	25,0	47,0	46	50	
GE30S11/4NPTB	GE30S11/4NPT	30	1,1/4"	34,5	21,0	25,5	47,5	46	50		
GE30S11/2NPTB	GE30S11/2NPT	30	1,1/2"	34,0	20,5	26,0	47,0	55	50		
315	GE38S1NPTB	GE38S1NPT	38	1"	39,0	23,0	25,0	54,0	55	60	
	GE38S11/4NPTB	GE38S11/4NPT	38	1,1/4"	39,5	23,5	25,5	54,5	55	60	
	GE38S11/2NPTB	GE38S11/2NPT	38	1,1/2"	39,0	23,0	26,0	54,0	55	60	

DIRITTO DI ESTREMITÀ

Filetto Metrico Conico

MALE STUD COUPLING

Metric Taper Thread



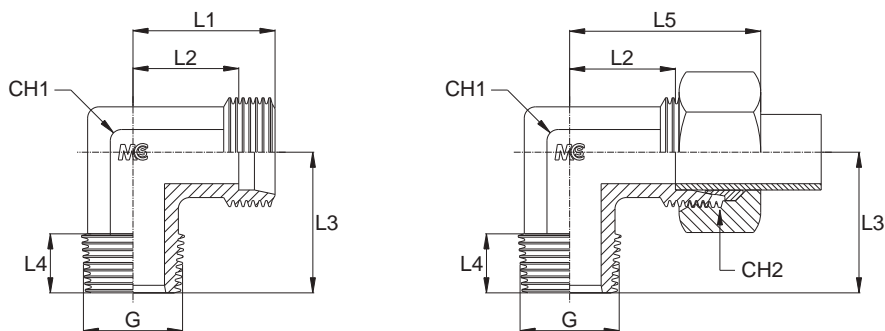
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	CH1	CH2
L	315	GE06LM101KB	GE06LM101K	6	10x1,0	14,0	7,0	8,0	22,0	14	14
		GE08LM1215KB	GE08LM1215K	8	12x1,5	15,0	8,0	12,0	23,0	17	17
		GE10LM1415KB	GE10LM1415K	10	14x1,5	16,0	9,0	12,0	24,0	17	19
		GE12LM1615KB	GE12LM1615K	12	16x1,5	17,0	10,0	12,0	24,5	19	22
		GE15LM1815KB	GE15LM1815K	15	18x1,5	18,0	11,0	12,0	26,0	24	27
		GE18LM2215KB	GE18LM2215K	18	22x1,5	19,0	11,5	14,0	28,0	27	32
S	630	GE06SM1215KB	GE06SM1215K	6	12x1,5	18,0	11,0	12,0	26,0	17	17
		GE08SM1415KB	GE08SM1415K	8	14x1,5	20,0	13,0	12,0	28,0	17	19
		GE10SM1615KB	GE10SM1615K	10	16x1,5	20,0	12,5	12,0	28,5	19	22
		GE12SM1815KB	GE12SM1815K	12	18x1,5	22,0	14,5	12,0	30,5	22	24
		GE14SM2015KB	GE14SM2015K	14	20x1,5	24,0	16,0	14,0	34,0	24	27
	400	GE16SM2215KB	GE16SM2215K	16	22x1,5	24,0	15,5	14,0	34,0	27	30

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO - Serie L

Filetto Gas Conico

MALE STUD ELBOW - L Series

BSP Taper Thread



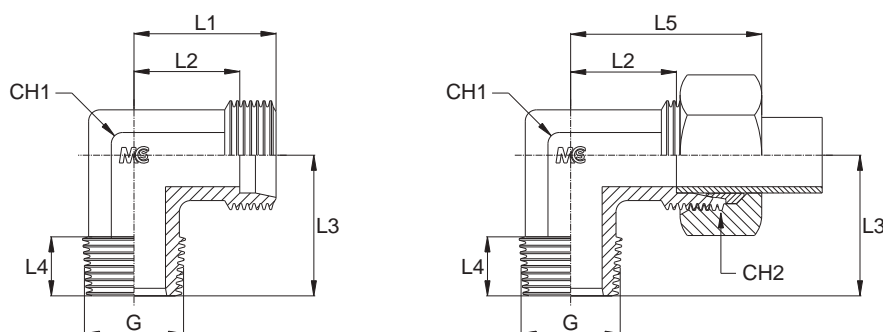
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	315	LE06L1/8BSPTB	LE06L1/8BSPT	6	1/8"	19,0	12,0	20,0	8,0	27,0	12	14
		LE06L1/4BSPTB	LE06L1/4BSPT	6	1/4"	21,0	14,0	26,0	12,0	29,0	12	14
		LE06L3/8BSPTB	LE06L3/8BSPT	6	3/8"	22,0	15,0	27,0	12,0	30,0	14	14
		LE06L1/2BSPTB	LE06L1/2BSPT	6	1/2"	22,5	15,5	30,0	14,0	30,5	17	14
		LE08L1/8BSPTB	LE08L1/8BSPT	8	1/8"	21,0	14,0	22,0	8,0	29,0	12	17
		LE08L1/4BSPTB	LE08L1/4BSPT	8	1/4"	21,0	14,0	26,0	12,0	29,0	12	17
		LE08L3/8BSPTB	LE08L3/8BSPT	8	3/8"	23,0	16,0	28,0	12,0	31,0	17	17
		LE08L1/2BSPTB	LE08L1/2BSPT	8	1/2"	26,0	19,0	34,0	14,0	34,0	19	17
		LE10L1/8BSPTB	LE10L1/8BSPT	10	1/8"	22,0	15,0	22,0	8,0	30,0	14	19
		LE10L1/4BSPTB	LE10L1/4BSPT	10	1/4"	22,0	15,0	27,0	12,0	30,0	14	19
		LE10L3/8BSPTB	LE10L3/8BSPT	10	3/8"	24,0	17,0	28,0	12,0	32,0	17	19
		LE10L1/2BSPTB	LE10L1/2BSPT	10	1/2"	27,0	20,0	34,0	14,0	35,0	19	19
		LE12L1/8BSPTB	LE12L1/8BSPT	12	1/8"	24,5	17,5	27,0	8,0	32,0	17	22
		LE12L1/4BSPTB	LE12L1/4BSPT	12	1/4"	24,0	17,0	28,0	12,0	32,0	17	22
		LE12L3/8BSPTB	LE12L3/8BSPT	12	3/8"	24,0	17,0	28,0	12,0	32,0	17	22
		LE12L1/2BSPTB	LE12L1/2BSPT	12	1/2"	27,0	20,0	34,0	14,0	34,0	19	22
		LE15L1/4BSPTB	LE15L1/4BSPT	15	1/4"	28,0	21,0	32,0	12,0	36,0	19	27
		LE15L3/8BSPTB	LE15L3/8BSPT	15	3/8"	28,0	21,0	30,0	12,0	36,0	19	27
		LE15L1/2BSPTB	LE15L1/2BSPT	15	1/2"	28,0	21,0	34,0	14,0	36,0	19	27
		LE15L3/4BSPTB	LE15L3/4BSPT	15	3/4"	-	-	-	16,0	-	27	27
		LE18L3/8BSPTB	LE18L3/8BSPT	18	3/8"	31,0	23,5	-	12,0	40,0	24	32
		LE18L1/2BSPTB	LE18L1/2BSPT	18	1/2"	31,0	23,5	36,0	14,0	40,0	24	32
LE18L3/4BSPTB	LE18L3/4BSPT	18	3/4"	34,0	26,5	42,0	16,0	43,0	27	32		
L	160	LE22L1/2BSPTB	LE22L1/2BSPT	22	1/2"	35,0	27,5	41,0	14,0	44,0	27	36
		LE22L3/4BSPTB	LE22L3/4BSPT	22	3/4"	35,0	27,5	42,0	16,0	44,0	27	36
		LE28L1BSPTB	LE28L1BSPT	28	1"	38,0	30,5	48,0	18,0	47,0	36	41
		LE35L11/4BSPTB	LE35L11/4BSPT	35	1,1/4"	45,0	34,5	54,0	20,0	56,0	41	50
		LE42L11/2BSPTB	LE42L11/2BSPT	42	1,1/2"	51,0	40,0	61,0	22,0	63,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO - Serie S

Filetto Gas Conico

MALE STUD ELBOW - S Series

BSP Taper Thread



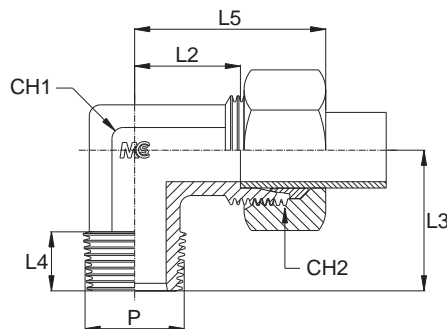
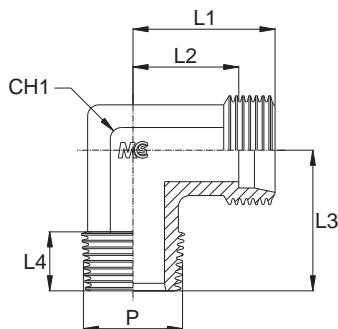
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
S	630	LE06S1/8BSPTB	LE06S1/8BSPT	6	1/8"	22,0	15,0	25,0	8,0	29,5	12	17
		LE06S1/4BSPTB	LE06S1/4BSPT	6	1/4"	23,0	16,0	26,0	12,0	31,0	12	17
		LE06S3/8BSPTB	LE06S3/8BSPT	6	3/8"	23,5	16,5	26,0	12,0	31,0	14	17
		LE06S1/2BSPTB	LE06S1/2BSPT	6	1/2"	26,0	19,0	33,0	14,0	34,0	17	17
		LE08S1/8BSPTB	LE08S1/8BSPT	8	1/8"	-	-	-	8,0	-	14	19
		LE08S1/4BSPTB	LE08S1/4BSPT	8	1/4"	24,0	17,0	27,0	12,0	32,0	14	19
		LE08S3/8BSPTB	LE08S3/8BSPT	8	3/8"	25,0	18,0	28,0	12,0	33,0	14	19
		LE08S1/2BSPTB	LE08S1/2BSPT	8	1/2"	30,0	23,0	33,0	14,0	38,0	17	19
		LE10S1/8BSPTB	LE10S1/8BSPT	10	1/8"	-	-	-	8,0	-	17	22
		LE10S1/4BSPTB	LE10S1/4BSPT	10	1/4"	25,0	17,5	28,0	12,0	34,0	17	22
	LE10S3/8BSPTB	LE10S3/8BSPT	10	3/8"	25,0	17,5	28,0	12,0	34,0	17	22	
	LE10S1/2BSPTB	LE10S1/2BSPT	10	1/2"	30,0	22,5	34,0	14,0	39,0	19	22	
	LE12S1/4BSPTB	LE12S1/4BSPT	12	1/4"	29,0	21,5	27,0	12,0	38,0	17	24	
	LE12S3/8BSPTB	LE12S3/8BSPT	12	3/8"	29,0	21,5	28,0	12,0	38,0	17	24	
	LE12S1/2BSPTB	LE12S1/2BSPT	12	1/2"	28,0	20,5	32,0	14,0	37,0	19	24	
	LE14S3/8BSPTB	LE14S3/8BSPT	14	3/8"	30,0	22,0	30,0	12,0	40,0	19	27	
	LE14S1/2BSPTB	LE14S1/2BSPT	14	1/2"	30,0	22,0	32,0	14,0	40,0	19	27	
	400	LE16S3/8BSPTB	LE16S3/8BSPT	16	3/8"	33,0	24,5	37,0	12,0	43,0	24	30
		LE16S1/2BSPTB	LE16S1/2BSPT	16	1/2"	33,0	24,5	32,0	14,0	43,0	24	30
		LE16S3/4BSPTB	LE16S3/4BSPT	16	3/4"	33,0	24,5	41,0	16,0	43,0	27	30
LE20S1/2BSPTB		LE20S1/2BSPT	20	1/2"	37,0	26,5	36,0	14,0	48,0	27	36	
LE20S3/4BSPTB		LE20S3/4BSPT	20	3/4"	37,0	26,5	42,0	16,0	48,0	27	36	
LE25S3/4BSPTB		LE25S3/4BSPT	25	3/4"	42,0	30,0	42,0	16,0	54,0	36	46	
LE25S1BSPTB		LE25S1BSPT	25	1"	42,0	30,0	48,0	18,0	54,0	36	46	
LE30S1BSPTB		LE30S1BSPT	30	1"	49,0	35,5	48,0	18,0	62,0	41	50	
315	LE30S11/4BSPTB	LE30S11/4BSPT	30	1,1/4"	49,0	35,5	54,0	20,0	62,0	41	50	
	LE38S11/2BSPTB	LE38S11/2BSPT	38	1,1/2"	57,0	41,0	61,0	22,0	72,0	50	60	

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO - Serie L

Filetto NPT

MALE STUD ELBOW - L Series

NPT Thread



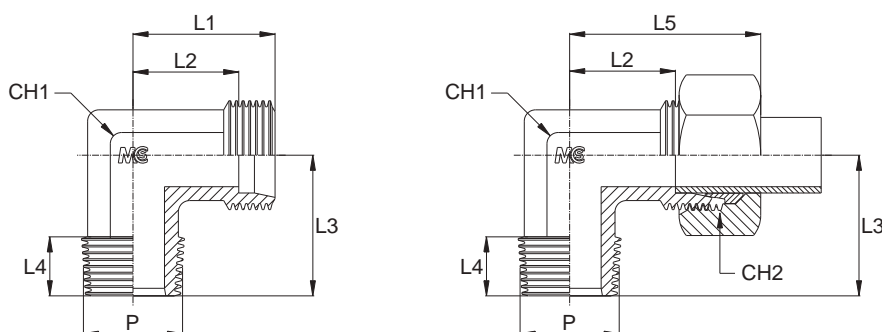
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	p	L1	L2	L3	L4	L5	CH1	CH2
L	315	LE06L1/8NPTB	LE06L1/8NPT	6	1/8"	19,0	12,0	20,0	10,0	27,0	12	14
		LE06L1/4NPTB	LE06L1/4NPT	6	1/4"	21,0	14,0	26,0	15,0	29,0	12	14
		LE06L3/8NPTB	LE06L3/8NPT	6	3/8"	25,0	18,0	28,0	15,3	33,0	14	-
		LE06L1/2NPTB	LE06L1/2NPT	6	1/2"	22,5	15,5	30,0	20,0	30,5	17	14
		LE08L1/8NPTB	LE08L1/8NPT	8	1/8"	21,0	14,0	24,0	10,0	29,0	12	17
		LE08L1/4NPTB	LE08L1/4NPT	8	1/4"	21,0	14,0	26,0	15,0	29,0	12	17
		LE08L3/8NPTB	LE08L3/8NPT	8	3/8"	23,0	16,0	28,0	15,0	31,0	17	17
		LE08L1/2NPTB	LE08L1/2NPT	8	1/2"	26,0	19,0	34,0	19,5	34,0	19	17
		LE10L1/8NPTB	LE10L1/8NPT	10	1/8"	22,0	15,0	24,0	10,0	30,0	14	19
		LE10L1/4NPTB	LE10L1/4NPT	10	1/4"	22,0	15,0	27,0	15,0	30,0	14	19
		LE10L3/8NPTB	LE10L3/8NPT	10	3/8"	24,0	17,0	28,0	15,0	32,0	17	19
		LE10L1/2NPTB	LE10L1/2NPT	10	1/2"	27,0	20,0	34,0	19,5	35,0	19	19
		LE12L1/4NPTB	LE12L1/4NPT	12	1/4"	24,0	17,0	28,0	15,0	32,0	17	22
		LE12L3/8NPTB	LE12L3/8NPT	12	3/8"	24,0	17,0	28,0	15,0	32,0	17	22
		LE12L1/2NPTB	LE12L1/2NPT	12	1/2"	27,0	20,0	34,0	19,5	35,0	19	22
		LE15L3/8NPTB	LE15L3/8NPT	15	3/8"	28,0	21,0	33,0	15,0	36,0	19	27
	LE15L1/2NPTB	LE15L1/2NPT	15	1/2"	28,0	21,0	34,0	19,5	36,0	19	27	
	LE15L3/4NPTB	LE15L3/4NPT	15	3/4"	28,0	21,0	42,0	20,0	36,0	24	27	
	LE18L3/8NPTB	LE18L3/8NPT	18	3/8"	31,0	23,5	36,0	15,3	40,0	24	32	
	LE18L1/2NPTB	LE18L1/2NPT	18	1/2"	31,0	23,5	36,0	19,5	40,0	24	32	
LE18L3/4NPTB	LE18L3/4NPT	18	3/4"	34,0	26,5	42,0	20,0	43,0	27	32		
160	LE22L1/2NPTB	LE22L1/2NPT	22	1/2"	35,0	27,5	42,0	20,0	44,0	27	36	
	LE22L3/4NPTB	LE22L3/4NPT	22	3/4"	35,0	27,5	42,0	20,0	44,0	27	36	
	LE28L3/4NPTB	LE28L3/4NPT	28	3/4"	38,0	30,5	48,0	20,0	47,0	36	41	
	LE 28L1NPTB	LE 28L1NPT	28	1"	38,0	30,5	48,0	25,0	47,0	36	41	
	LE35L11/4NPTB	LE35L11/4NPT	35	1,1/4"	45,0	34,5	57,0	25,5	56,0	41	50	
LE42L11/2NPTB	LE42L11/2NPT	42	1,1/2"	51,0	40,0	61,0	26,0	63,0	50	60		

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO - Serie S

Filetto NPT

MALE STUD ELBOW - S Series

NPT Thread



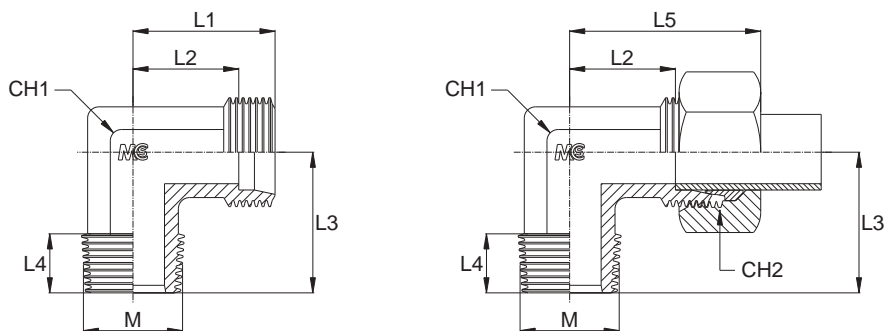
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	p	L1	L2	L3	L4	L5	CH1	CH2
S	630	LE06S1/4NPTB	LE06S1/4NPT	6	1/4"	23,0	16,0	26,0	15,0	31,0	12	17
		LE06S3/8NPTB	LE06S3/8NPT	6	3/8"	24,5	17,5	27,0	15,3	32,0	14	17
		LE06S1/2NPTB	LE06S1/2NPT	6	1/2"	28,0	21,0	34,0	20,0	36,0	17	17
		LE08S1/4NPTB	LE08S1/4NPT	8	1/4"	24,0	17,0	27,0	15,0	32,0	14	19
		LE08S3/8NPTB	LE08S3/8NPT	8	3/8"	25,0	18,0	28,0	15,3	33,0	14	19
		LE08S1/2NPTB	LE08S1/2NPT	8	1/2"	30,0	23,0	34,0	20,0	38,0	17	19
		LE10S1/4NPTB	LE10S1/4NPT	10	1/4"	25,0	17,5	28,0	15,0	34,0	17	22
		LE10S3/8NPTB	LE10S3/8NPT	10	3/8"	25,0	17,5	28,0	15,0	34,0	17	22
		LE10S1/2NPTB	LE10S1/2NPT	10	1/2"	30,0	22,5	32,0	20,0	39,0	19	22
		LE12S1/4NPTB	LE12S1/4NPT	12	1/4"	29,0	21,5	29,0	15,0	38,0	17	24
		LE12S3/8NPTB	LE12S3/8NPT	12	3/8"	29,0	21,5	28,0	15,0	38,0	17	24
		LE12S1/2NPTB	LE12S1/2NPT	12	1/2"	28,0	20,5	34,0	19,5	37,0	19	24
	LE14S3/8NPTB	LE14S3/8NPT	14	3/8"	30,0	22,0	33,0	15,0	40,0	19	27	
	LE14S1/2NPTB	LE14S1/2NPT	14	1/2"	30,0	22,0	34,0	19,5	40,0	19	27	
	LE16S3/8NPTB	LE16S3/8NPT	16	3/8"	33,0	24,5	37,0	15,0	43,0	24	30	
	LE16S1/2NPTB	LE16S1/2NPT	16	1/2"	33,0	24,5	36,0	19,5	43,0	24	30	
	LE16S3/4NPTB	LE16S3/4NPT	16	3/4"	33,0	24,5	41,0	20,0	43,0	27	30	
	LE20S1/2NPTB	LE20S1/2NPT	20	1/2"	37,0	26,5	42,0	19,5	48,0	27	36	
	LE20S3/4NPTB	LE20S3/4NPT	20	3/4"	37,0	26,5	42,0	20,0	48,0	27	36	
	LE25S3/4NPTB	LE25S3/4NPT	25	3/4"	42,0	30,0	46,0	20,0	54,0	36	46	
LE25S1NPTB	LE25S1NPT	25	1"	42,0	30,0	48,0	25,0	54,0	36	46		
LE30S1NPTB	LE30S1NPT	30	1"	49,0	35,5	55,0	25,0	62,0	41	50		
LE30S11/4NPTB	LE30S11/4NPT	30	1,1/4"	49,0	35,5	57,0	25,5	62,0	41	50		
315	LE38S11/2NPTB	LE38S11/2NPT	38	1,1/2"	57,0	41,0	61,0	26,0	72,0	50	60	

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO

Filetto Metrico Conico

MALE STUD ELBOW

Metric Taper Thread



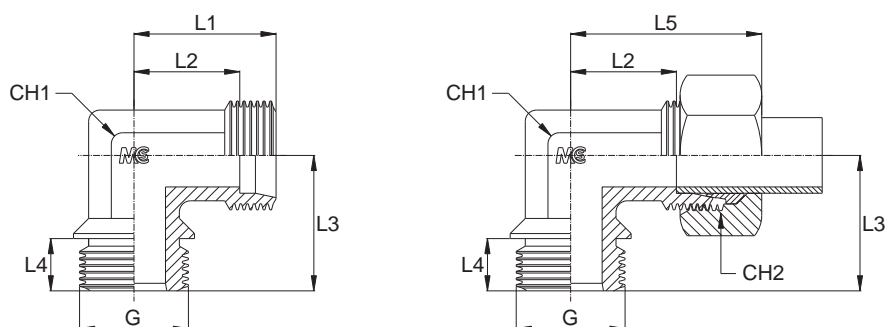
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	315	LE06LM101B	LE06LM101	6	10x1,0	19,0	12,0	20,0	8,0	27,0	12	14
		LE08LM1215B	LE08LM1215	8	12x1,5	21,0	14,0	26,0	12,0	29,0	12	17
		LE10LM1215B	LE10LM1215	10	12x1,5	22,0	15,0	27,0	12,0	30,0	14	19
		LE10LM1415B	LE10LM1415	10	14x1,5	22,0	15,0	27,0	12,0	30,0	14	19
		LE12LM1615B	LE12LM1615	12	16x1,5	24,0	17,0	28,0	12,0	32,0	17	22
		LE15LM1815B	LE15LM1815	15	18x1,5	28,0	21,0	32,0	12,0	36,0	19	27
S	630	LE18LM2215B	LE18LM2215	18	22x1,5	31,0	23,5	36,0	14,0	40,0	24	32
		LE06SM1215B	LE06SM1215	6	12x1,5	23,0	16,0	26,0	12,0	31,0	12	17
		LE08SM1415B	LE08SM1415	8	14x1,5	24,0	17,0	27,0	12,0	32,0	14	19
		LE10SM1615B	LE10SM1615	10	16x1,5	25,0	17,5	28,0	12,0	34,0	17	22
		LE12SM1815B	LE12SM1815	12	18x1,5	29,0	21,5	28,0	12,0	38,0	17	24
		LE14SM2015B	LE14SM2015	14	20x1,5	30,0	22,0	32,0	14,0	40,0	19	27
	400	LE16SM2215B	LE16SM2215	16	22x1,5	33,0	24,5	32,0	14,0	43,0	24	30

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO

Filetto Gas Cilindrico

MALE STUD ELBOW

BSP Parallel Thread



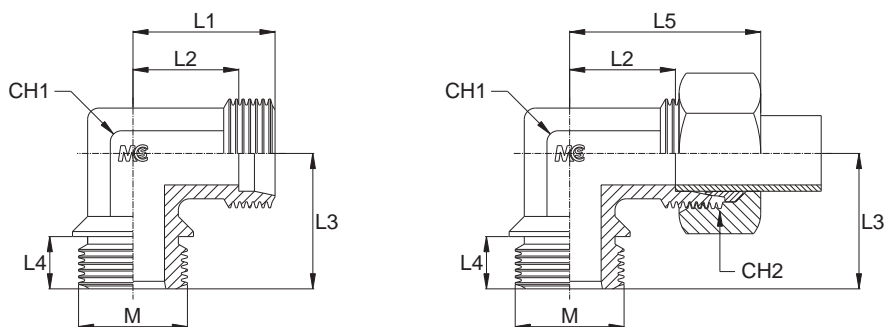
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	160	LE22LRG3/4B	LE22LRG3/4	22	3/4"	35,0	27,5	43,5	15,0	44,0	27	36
		LE28LRG1B	LE28LRG1	28	1"	38,0	30,5	49,0	17,0	47,0	36	41
		LE35LRG11/4B	LE35LRG11/4	35	1,1/4"	45,0	34,5	57,0	19,0	56,0	41	50
		LE42LRG11/2B	LE42LRG11/2	42	1,1/2"	51,0	40,0	64,0	20,0	63,0	50	60
S	400	LE20SRG3/4B	LE20SRG3/4	20	3/4"	37,0	26,5	43,5	15,0	48,0	27	36
		LE25SRG1B	LE25SRG1	25	1"	42,0	30,0	49,0	17,0	54,0	36	46
		LE30SRG11/4B	LE30SRG11/4	30	1,1/4"	49,0	35,5	57,0	19,0	62,0	41	50
		LE38SRG11/2B	LE38SRG11/2	38	1,1/2"	57,0	41,0	64,0	20,0	72,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO

Filetto Metrico Cilindrico

MALE STUD ELBOW

Metric Parallel Thread



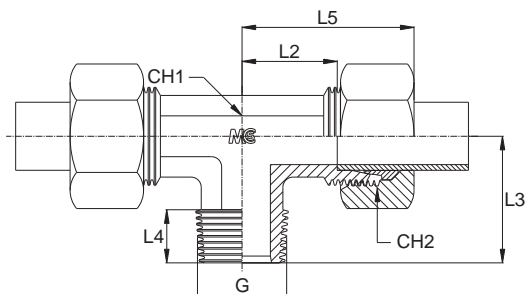
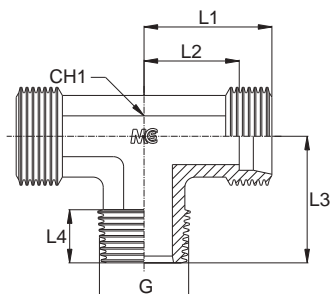
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	160	LE22LM2615B	LE22LM2615	22	26x1,5	35,0	27,5	43,5	15,0	44,0	27	36
		LE28LM332B	LE28LM332	28	33x2,0	38,0	30,5	49,0	17,0	47,0	36	41
		LE35LM422B	LE35LM422	35	42x2,0	45,0	34,5	57,0	19,0	56,0	41	50
		LE42LM482B	LE42LM482	42	48x2,0	51,0	40,0	64,0	20,0	63,0	50	60
S	400	LE20SM272B	LE20SM272	20	27x2,0	37,0	26,5	43,5	15,0	48,0	27	36
		LE25SM332B	LE25SM332	25	33x2,0	42,0	30,0	49,0	17,0	54,0	36	46
		LE30SM422B	LE30SM422	30	42x2,0	49,0	35,5	57,0	19,0	62,0	41	50
	315	LE38SM482B	LE38SM482	38	48x2,0	57,0	41,0	64,0	20,0	72,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE

Filetto Gas Conico

MALE STUD BRANCH TEE

BSP Taper Thread



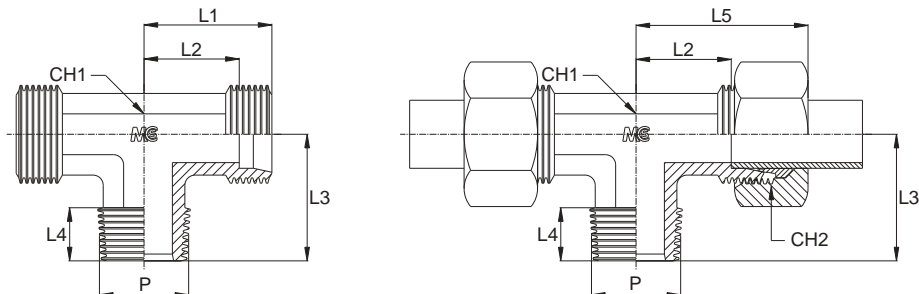
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	315	TC06L1/8BSPTB	TC06L1/8BSPT	6	1/8"	19,0	12,0	20,0	8,0	27,0	12	14
		TC08L1/4BSPTB	TC08L1/4BSPT	8	1/4"	21,0	14,0	26,0	12,0	29,0	12	17
		TC10L1/4BSPTB	TC10L1/4BSPT	10	1/4"	22,0	15,0	27,0	12,0	30,0	14	19
		TC12L3/8BSPTB	TC12L3/8BSPT	12	3/8"	24,0	17,0	28,0	12,0	32,0	17	22
	TC15L1/2BSPTB	TC15L1/2BSPT	15	1/2"	28,0	21,0	34,0	14,0	36,0	19	27	
	TC18L1/2BSPTB	TC18L1/2BSPT	18	1/2"	31,0	23,5	36,0	14,0	40,0	24	32	
	160	TC22L3/4BSPTB	TC22L3/4BSPT	22	3/4"	35,0	27,5	42,0	16,0	44,0	27	36
		TC28L1BSPTB	TC28L1BSPT	28	1"	38,0	30,5	48,0	18,0	47,0	36	41
TC35L11/4BSPTB		TC35L11/4BSPT	35	1,1/4"	45,0	34,5	54,0	20,0	56,0	41	50	
TC42L11/2BSPTB		TC42L11/2BSPT	42	1,1/2"	51,0	40,0	61,0	22,0	63,0	50	60	
S	630	TC06S1/4BSPTB	TC06S1/4BSPT	6	1/4"	23,0	16,0	26,0	12,0	31,0	12	17
		TC08S1/4BSPTB	TC08S1/4BSPT	8	1/4"	24,0	17,0	27,0	12,0	32,0	14	19
		TC10S3/8BSPTB	TC10S3/8BSPT	10	3/8"	25,0	17,5	28,0	12,0	34,0	17	22
		TC12S3/8BSPTB	TC12S3/8BSPT	12	3/8"	29,0	21,5	28,0	12,0	38,0	17	24
	TC14S1/2BSPTB	TC14S1/2BSPT	14	1/2"	30,0	22,0	32,0	14,0	40,0	19	27	
	400	TC16S1/2BSPTB	TC16S1/2BSPT	16	1/2"	33,0	24,5	32,0	14,0	43,0	24	30
		TC20S3/4BSPTB	TC20S3/4BSPT	20	3/4"	37,0	26,5	42,0	16,0	48,0	27	36
		TC25S1BSPTB	TC25S1BSPT	25	1"	42,0	30,0	48,0	18,0	54,0	36	46
		TC30S11/4BSPTB	TC30S11/4BSPT	30	1,1/4"	49,0	35,5	54,0	20,0	62,0	41	50
		315	TC38S11/2BSPTB	TC38S11/2BSPT	38	1,1/2"	57,0	41,0	61,0	22,0	72,0	50

ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE

Filetto NPT

MALE STUD BRANCH TEE

NPT Thread



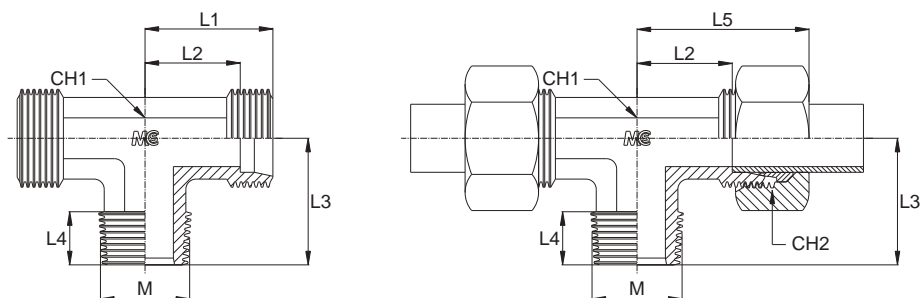
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	L5	CH1	CH2
L	315	TC06L1/8NPTB	TC06L1/8NPT	6	1/8"	19,0	12,0	20,0	10,0	27,0	12	14
		TC08L1/4NPTB	TC08L1/4NPT	8	1/4"	21,0	14,0	26,0	15,0	29,0	12	17
		TC10L1/4NPTB	TC10L1/4NPT	10	1/4"	22,0	15,0	27,0	15,0	30,0	14	19
		TC12L3/8NPTB	TC12L3/8NPT	12	3/8"	24,0	17,0	28,0	15,0	32,0	17	22
		TC15L1/2NPTB	TC15L1/2NPT	15	1/2"	28,0	21,0	34,0	19,5	36,0	19	27
	TC18L1/2NPTB	TC18L1/2NPT	18	1/2"	31,0	23,5	36,0	19,5	40,0	24	32	
	160	TC22L3/4NPTB	TC22L3/4NPT	22	3/4"	35,0	27,5	42,0	20,0	44,0	27	36
		TC28L1NPTB	TC28L1NPT	28	1"	38,0	30,5	48,0	25,0	47,0	36	41
		TC35L11/4NPTB	TC35L11/4NPT	35	1,1/4"	45,0	34,5	57,0	25,5	56,0	41	50
		TC42L11/2NPTB	TC42L11/2NPT	42	1,1/2"	51,0	40,0	61,0	26,0	63,0	50	60
S		630	TC06S1/4NPTB	TC06S1/4NPT	6	1/4"	23,0	16,0	26,0	15,0	31,0	12
	TC08S1/4NPTB		TC08S1/4NPT	8	1/4"	24,0	17,0	27,0	15,0	32,0	14	19
	TC10S3/8NPTB		TC10S3/8NPT	10	3/8"	25,0	17,5	28,0	15,0	34,0	17	22
	TC12S3/8NPTB		TC12S3/8NPT	12	3/8"	29,0	21,5	28,0	15,0	38,0	17	24
	TC14S1/2NPTB		TC14S1/2NPT	14	1/2"	30,0	22,0	34,0	19,5	40,0	19	27
	400	TC16S1/2NPTB	TC16S1/2NPT	16	1/2"	33,0	24,5	36,0	19,5	43,0	24	30
		TC20S3/4NPTB	TC20S3/4NPT	20	3/4"	37,0	26,5	42,0	20,0	48,0	27	36
		TC25S1NPTB	TC25S1NPT	25	1"	42,0	30,0	48,0	25,0	54,0	36	46
		TC30S11/4NPTB	TC30S11/4NPT	30	1,1/4"	49,0	35,5	57,0	25,5	62,0	41	50
		315	TC38S11/2NPTB	TC38S11/2NPT	38	1,1/2"	57,0	41,0	61,0	26,0	72,0	50

ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE

Filetto Metrico Conico

MALE STUD BRANCH TEE

Metric Taper Thread



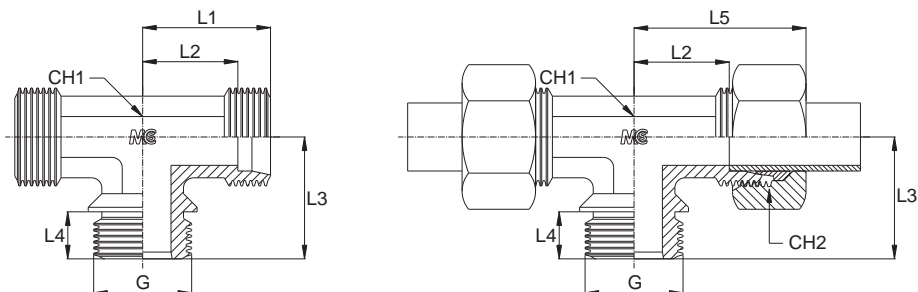
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	315	TC06LM101B	TC06LM101	6	10x1,0	19,0	12,0	20,0	8,0	27,0	12	14
		TC08LM1215B	TC08LM1215	8	12x1,5	21,0	14,0	26,0	12,0	29,0	12	17
		TC10LM1415B	TC10LM1415	10	14x1,5	22,0	15,0	27,0	12,0	30,0	14	19
		TC12LM1615B	TC12LM1615	12	16x1,5	24,0	17,0	28,0	12,0	32,0	17	22
		TC15LM1815B	TC15LM1815	15	18x1,5	28,0	21,0	32,0	12,0	36,0	19	27
		TC18LM2215B	TC18LM2215	18	22x1,5	31,0	23,5	36,0	14,0	40,0	24	32
S	630	TC06SM1215B	TC06SM1215	6	12x1,5	23,0	16,0	26,0	12,0	31,0	12	17
		TC08SM1415B	TC08SM1415	8	14x1,5	24,0	17,0	27,0	12,0	32,0	14	19
		TC10SM1615B	TC10SM1615	10	16x1,5	25,0	17,5	28,0	12,0	34,0	17	22
		TC12SM1815B	TC12SM1815	12	18x1,5	29,0	21,5	28,0	12,0	38,0	17	24
		TC14SM2015B	TC14SM2015	14	20x1,5	30,0	22,0	32,0	14,0	40,0	19	27
	400	TC16SM2215B	TC16SM2215	16	22x1,5	33,0	24,5	32,0	14,0	43,0	24	30

ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE

Filetto Gas Cilindrico

MALE STUD BRANCH TEE

BSP Parallel Thread



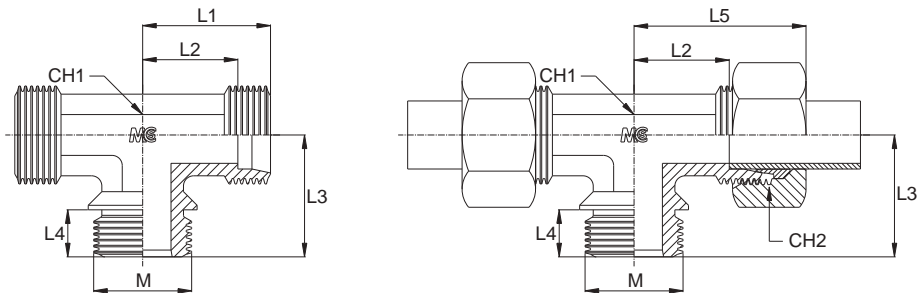
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	160	TC22LRG3/4B	TC22LRG3/4	22	3/4"	35,0	27,5	43,5	15,0	44,0	27	36
		TC28LRG1B	TC28LRG1	28	1"	38,0	30,5	49,0	17,0	47,0	36	41
		TC35LRG11/4B	TC35LRG11/4	35	1,1/4"	45,0	34,5	57,0	19,0	56,0	41	50
		TC42LRG11/2B	TC42LRG11/2	42	1,1/2"	51,0	40,0	64,0	20,0	63,0	50	60
S	400	TC20SRG3/4B	TC20SRG3/4	20	3/4"	37,0	26,5	43,5	15,0	48,0	27	36
		TC25SRG1B	TC25SRG1	25	1"	42,0	30,0	49,0	17,0	54,0	36	46
		TC30SRG11/4B	TC30SRG11/4	30	1,1/4"	49,0	35,5	57,0	19,0	62,0	41	50
		TC38SRG11/2B	TC38SRG11/2	38	1,1/2"	57,0	41,0	64,0	20,0	72,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A T CENTRALE

Filetto Metrico Cilindrico

MALE STUD BRANCH TEE

Metric Parallel Thread



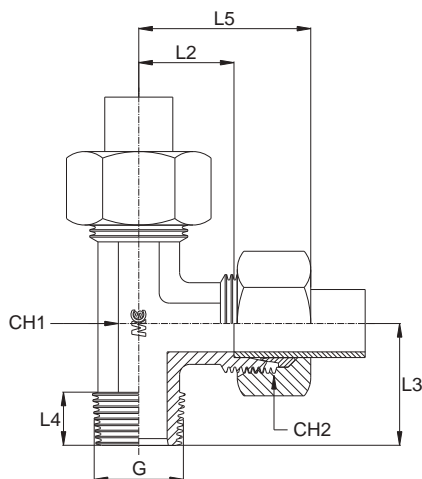
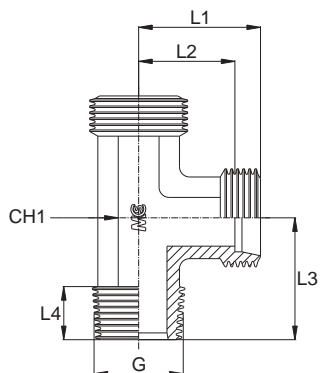
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	160	TC22LM2615B	TC22LM2615	22	26x1,5	35,0	27,5	43,5	15,0	44,0	27	36
		TC28LM332B	TC28LM332	28	33x2,0	38,0	30,5	49,0	17,0	47,0	36	41
		TC35LM422B	TC35LM422	35	42x2,0	45,0	34,5	57,0	19,0	56,0	41	50
		TC42LM482B	TC42LM482	42	48x2,0	51,0	40,0	64,0	20,0	63,0	50	60
S	400	TC20SM272B	TC20SM272	20	27x2,0	37,0	26,5	43,5	15,0	48,0	27	36
		TC25SM332B	TC25SM332	25	33x2,0	42,0	30,0	49,0	17,0	54,0	36	46
		TC30SM422B	TC30SM422	30	42x2,0	49,0	35,5	57,0	19,0	62,0	41	50
	315	TC38SM482B	TC38SM482	38	48x2,0	57,0	41,0	64,0	20,0	72,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE

Filetto Gas Conico

MALE STUD BARREL TEE

BSP Taper Thread



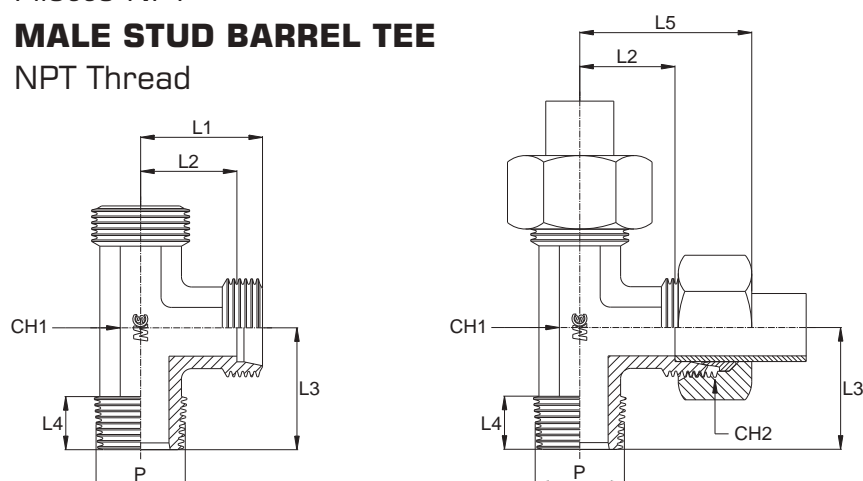
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	315	TL06L1/8BSPTB	TL06L1/8BSPT	6	1/8"	19,0	12,0	20,0	8,0	27,0	12	14
		TL08L1/4BSPTB	TL08L1/4BSPT	8	1/4"	21,0	14,0	26,0	12,0	29,0	12	17
		TL10L1/4BSPTB	TL10L1/4BSPT	10	1/4"	22,0	15,0	27,0	12,0	30,0	14	19
		TL12L3/8BSPTB	TL12L3/8BSPT	12	3/8"	24,0	17,0	28,0	12,0	32,0	17	22
		TL15L1/2BSPTB	TL15L1/2BSPT	15	1/2"	28,0	21,0	34,0	14,0	36,0	19	27
		TL18L1/2BSPTB	TL18L1/2BSPT	18	1/2"	31,0	23,5	36,0	14,0	40,0	24	32
	160	TL22L3/4BSPTB	TL22L3/4BSPT	22	3/4"	35,0	27,5	42,0	16,0	44,0	27	36
		TL28L1BSPTB	TL28L1BSPT	28	1"	38,0	30,5	48,0	18,0	47,0	36	41
		TL35L11/4BSPTB	TL35L11/4BSPT	35	1,1/4"	45,0	34,5	54,0	20,0	56,0	41	50
		TL42L11/2BSPTB	TL42L11/2BSPT	42	1,1/2"	51,0	40,0	61,0	22,0	63,0	50	60
S	630	TL06S1/4BSPTB	TL06S1/4BSPT	6	1/4"	23,0	16,0	26,0	12,0	31,0	12	17
		TL08S1/4BSPTB	TL08S1/4BSPT	8	1/4"	24,0	17,0	27,0	12,0	32,0	14	19
		TL10S3/8BSPTB	TL10S3/8BSPT	10	3/8"	25,0	17,5	28,0	12,0	34,0	17	22
		TL12S3/8BSPTB	TL12S3/8BSPT	12	3/8"	29,0	21,5	28,0	12,0	38,0	17	24
		TL14S1/2BSPTB	TL14S1/2BSPT	14	1/2"	30,0	22,0	32,0	14,0	40,0	19	27
	400	TL16S1/2BSPTB	TL16S1/2BSPT	16	1/2"	33,0	24,5	32,0	14,0	43,0	24	30
		TL20S3/4BSPTB	TL20S3/4BSPT	20	3/4"	37,0	26,5	42,0	16,0	48,0	27	36
		TL25S1BSPTB	TL25S1BSPT	25	1"	42,0	30,0	48,0	18,0	54,0	36	46
		TL30S11/4BSPTB	TL30S11/4BSPT	30	1,1/4"	49,0	35,5	54,0	20,0	62,0	41	50
		TL38S11/2BSPTB	TL38S11/2BSPT	38	1,1/2"	57,0	41,0	61,0	22,0	72,0	50	60

ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE

Filetto NPT

MALE STUD BARREL TEE

NPT Thread



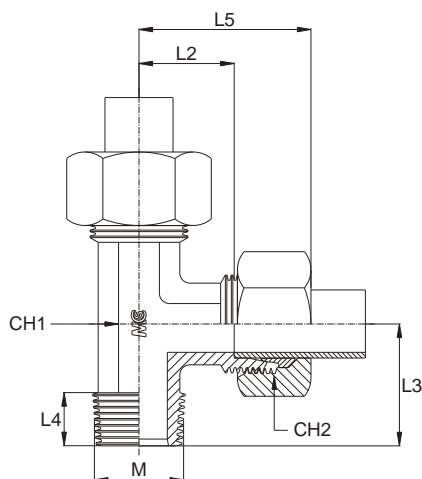
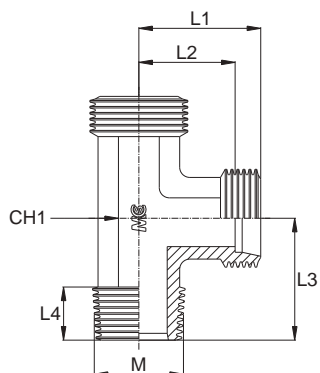
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	P	L1	L2	L3	L4	L5	CH1	CH2
L	315	TL06L1/8NPTB	TL06L1/8NPT	6	1/8"	19,0	12,0	20,0	10,0	27,0	12	14
		TL08L1/4NPTB	TL08L1/4NPT	8	1/4"	21,0	14,0	26,0	15,0	29,0	12	17
		TL10L1/4NPTB	TL10L1/4NPT	10	1/4"	22,0	15,0	27,0	15,0	30,0	14	19
		TL12L3/8NPTB	TL12L3/8NPT	12	3/8"	24,0	17,0	28,0	15,0	32,0	17	22
		TL15L1/2NPTB	TL15L1/2NPT	15	1/2"	28,0	21,0	34,0	19,5	36,0	19	27
	TL18L1/2NPTB	TL18L1/2NPT	18	1/2"	31,0	23,5	36,0	19,5	40,0	24	32	
	160	TL22L3/4NPTB	TL22L3/4NPT	22	3/4"	35,0	27,5	42,0	20,0	44,0	27	36
		TL28L1NPTB	TL28L1NPT	28	1"	38,0	30,5	48,0	25,0	47,0	36	41
TL35L11/4NPTB		TL35L11/4NPT	35	1,1/4"	45,0	34,5	57,0	25,5	56,0	41	50	
		TL42L11/2NPTB	TL42L11/2NPT	42	1,1/2"	51,0	40,0	61,0	26,0	63,0	50	60
S	630	TL06S1/4NPTB	TL06S1/4NPT	6	1/4"	23,0	16,0	26,0	15,0	31,0	12	17
		TL08S1/4NPTB	TL08S1/4NPT	8	1/4"	24,0	17,0	27,0	15,0	32,0	14	19
		TL10S3/8NPTB	TL10S3/8NPT	10	3/8"	25,0	17,5	28,0	15,0	34,0	17	22
		TL12S3/8NPTB	TL12S3/8NPT	12	3/8"	29,0	21,5	28,0	15,0	38,0	17	24
		TL14S1/2NPTB	TL14S1/2NPT	14	1/2"	30,0	22,0	34,0	19,5	40,0	19	27
	400	TL16S1/2NPTB	TL16S1/2NPT	16	1/2"	33,0	24,5	36,0	19,5	43,0	24	30
		TL20S3/4NPTB	TL20S3/4NPT	20	3/4"	37,0	26,5	42,0	20,0	48,0	27	36
		TL25S1NPTB	TL25S1NPT	25	1"	42,0	30,0	48,0	25,0	54,0	36	46
		TL30S11/4NPTB	TL30S11/4NPT	30	1,1/4"	49,0	35,5	57,0	25,5	62,0	41	50
		315	TL38S11/2NPTB	TL38S11/2NPT	38	1,1/2"	57,0	41,0	61,0	26,0	72,0	50

ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE

Filetto Metrico Conico

MALE STUD BARREL TEE

Metric Taper Thread



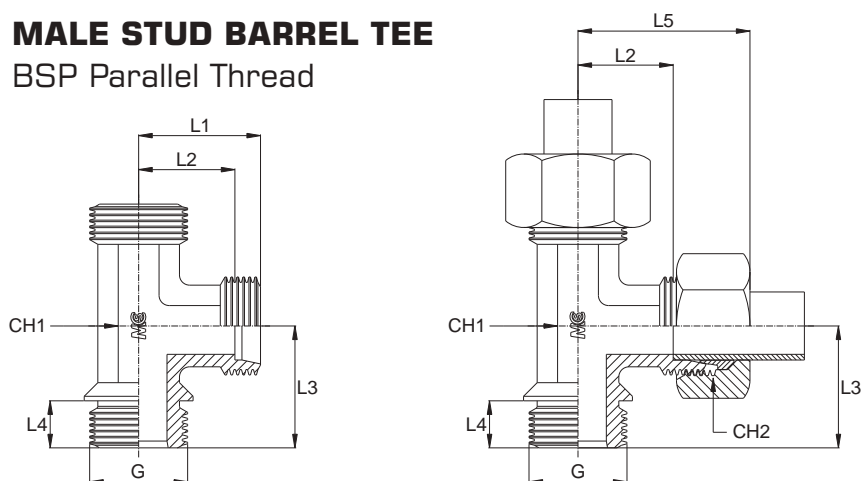
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	315	TL06LM101B	TL06LM101	6	10x1,0	19,0	12,0	20,0	8,0	27,0	12	14
		TL08LM1215B	TL08LM1215	8	12x1,5	21,0	14,0	26,0	12,0	29,0	12	17
		TL10LM1415B	TL10LM1415	10	14x1,5	22,0	15,0	27,0	12,0	30,0	14	19
		TL12LM1615B	TL12LM1615	12	16x1,5	24,0	17,0	28,0	12,0	32,0	17	22
		TL15LM1815B	TL15LM1815	15	18x1,5	28,0	21,0	32,0	12,0	36,0	19	27
		TL18LM2215B	TL18LM2215	18	22x1,5	31,0	23,5	36,0	14,0	40,0	24	32
S	630	TL06SM1215B	TL06SM1215	6	12x1,5	23,0	16,0	26,0	12,0	31,0	12	17
		TL08SM1415B	TL08SM1415	8	14x1,5	24,0	17,0	27,0	12,0	32,0	14	19
		TL10SM1615B	TL10SM1615	10	16x1,5	25,0	17,5	28,0	12,0	34,0	17	22
		TL12SM1815B	TL12SM1815	12	18x1,5	29,0	21,5	28,0	12,0	38,0	17	24
			TL14SM2015B	TL14SM2015	14	20x1,5	30,0	22,0	32,0	14,0	40,0	19
	400	TL16SM2215B	TL16SM2215	16	22x1,5	33,0	24,5	32,0	14,0	43,0	24	30

ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE

Filetto Gas Cilindrico

MALE STUD BARREL TEE

BSP Parallel Thread



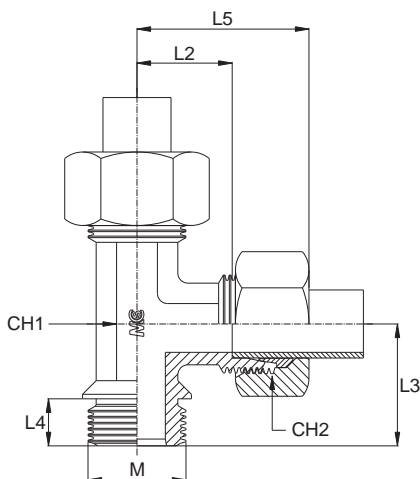
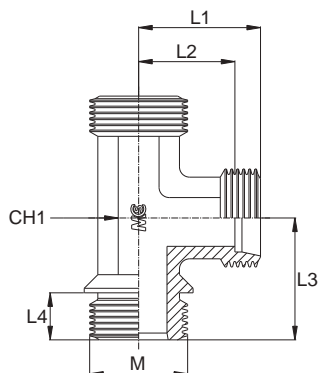
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	G	L1	L2	L3	L4	L5	CH1	CH2
L	160	TL22LRG3/4B	TL22LRG3/4	22	3/4"	35,0	27,5	43,5	15,0	44,0	27	36
		TL28LRG1B	TL28LRG1	28	1"	38,0	30,5	49,0	17,0	47,0	36	41
		TL35LRG11/4B	TL35LRG11/4	35	1,1/4"	45,0	34,5	57,0	19,0	56,0	41	50
		TL42LRG11/2B	TL42LRG11/2	42	1,1/2"	51,0	40,0	64,0	20,0	63,0	50	60
S	400	TL20SRG3/4B	TL20SRG3/4	20	3/4"	37,0	26,5	43,5	15,0	48,0	27	36
		TL25SRG1B	TL25SRG1	25	1"	42,0	30,0	49,0	17,0	54,0	36	46
		TL30SRG11/4B	TL30SRG11/4	30	1,1/4"	49,0	35,5	57,0	19,0	62,0	41	50
		315	TL38SRG11/2B	TL38SRG11/2	38	1,1/2"	57,0	41,0	64,0	20,0	72,0	50

ADATTATORE MASCHIO DI ESTREMITÀ A T LATERALE

Filetto Metrico Cilindrico

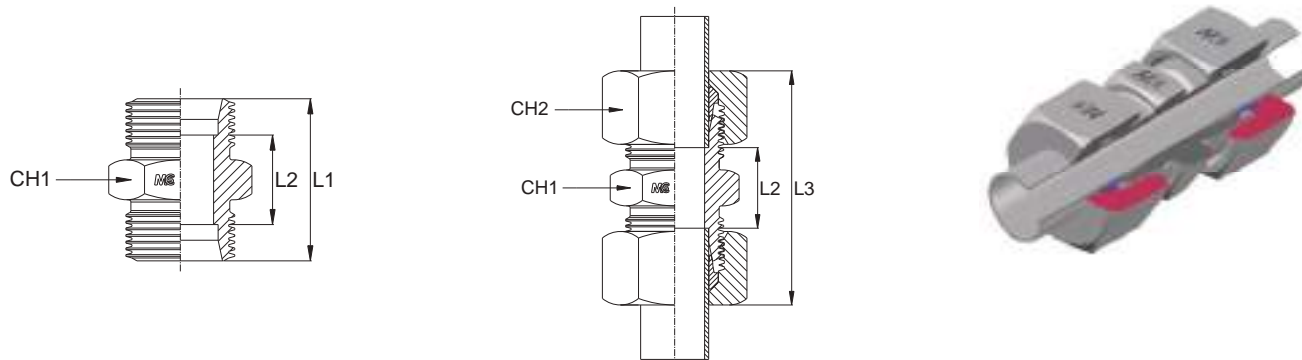
MALE STUD BARREL TEE

Metric Parallel Thread



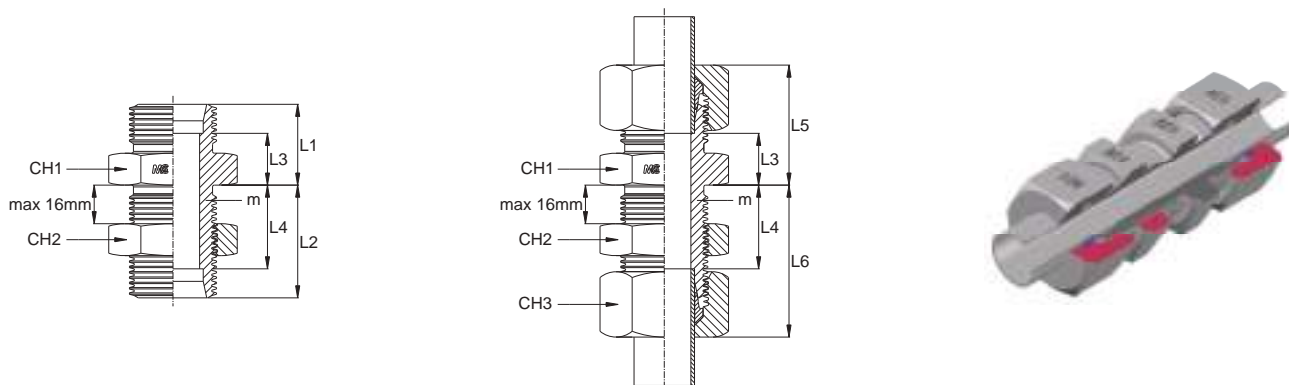
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	M	L1	L2	L3	L4	L5	CH1	CH2
L	160	TL22LM2615B	TL22LM2615	22	26x1,5	35,0	27,5	43,5	15,0	44,0	27	36
		TL28LM332B	TL28LM332	28	33x2,0	38,0	30,5	49,0	17,0	47,0	36	41
		TL35LM422B	TL35LM422	35	42x2,0	45,0	34,5	57,0	19,0	56,0	41	50
		TL42LM482B	TL42LM482	42	48x2,0	51,0	40,0	64,0	20,0	63,0	50	60
S	400	TL20SM272B	TL20SM272	20	27x2,0	37,0	26,5	43,5	15,0	48,0	27	36
		TL25SM332B	TL25SM332	25	33x2,0	42,0	30,0	49,0	17,0	54,0	36	46
		TL30SM422B	TL30SM422	30	42x2,0	49,0	35,5	57,0	19,0	62,0	41	50
		TL38SM482B	TL38SM482	38	48x2,0	57,0	41,0	64,0	20,0	72,0	50	60

ADATTATORE MASCHIO INTERMEDIO STRAIGHT UNION COUPLING



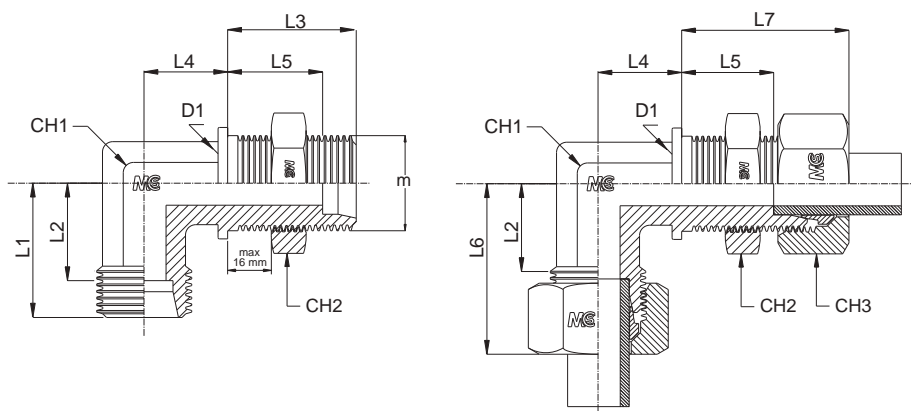
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	CH1	CH2
L	630	GV06LB	GV06L	6	24,0	10,0	39,0	14	14
		GV08LB	GV08L	8	25,0	11,0	40,0	14	17
		GV10LB	GV10L	10	27,0	13,0	42,0	17	19
	450	GV12LB	GV12L	12	28,0	14,0	43,0	19	22
		GV15LB	GV15L	15	30,0	16,0	46,0	24	27
		GV18LB	GV18L	18	31,0	16,0	48,0	27	32
	300	GV22LB	GV22L	22	35,0	20,0	52,0	32	36
		GV28LB	GV28L	28	36,0	21,0	54,0	41	41
		GV35LB	GV35L	35	41,0	20,0	63,0	46	50
GV42LB		GV42L	42	43,0	21,0	66,0	55	60	
S	900	GV06SB	GV06S	6	30,0	16,0	45,0	14	17
		GV08SB	GV08S	8	32,0	18,0	47,0	17	19
	800	GV10SB	GV10S	10	32,0	17,0	49,0	19	22
	700	GV12SB	GV12S	12	34,0	19,0	51,0	22	24
		GV14SB	GV14S	14	38,0	22,0	57,0	24	27
	650	GV16SB	GV16S	16	38,0	21,0	57,0	27	30
		GV20SB	GV20S	20	44,0	23,0	66,0	32	36
	420	GV25SB	GV25S	25	50,0	26,0	74,0	41	46
		GV30SB	GV30S	30	54,0	27,0	80,0	46	50
GV38SB		GV38S	38	61,0	29,0	90,0	55	60	

ADATTATORE INTERMEDIO PASSAPARETE CON CONTRODADO BULKHEAD STRAIGHT UNION COUPLING WITH LOCKNUT



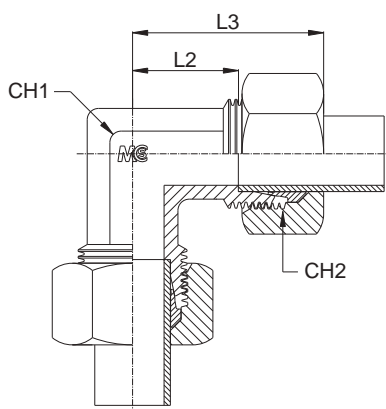
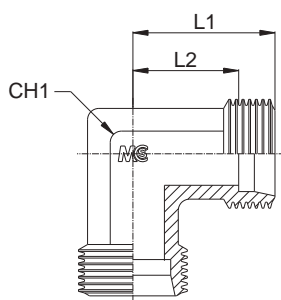
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	L3	L4	L5	L6	CH1	CH2	CH3
L	630	GSV06LB	GSV06L	6	12x1,5	14,0	34,0	7,0	27,0	22,0	42,0	17	17	14
		GSV08LB	GSV08L	8	14x1,5	15,0	34,0	8,0	27,0	23,0	42,0	19	19	17
		GSV10LB	GSV10L	10	16x1,5	17,0	35,0	10,0	28,0	25,0	43,0	22	22	19
	450	GSV12LB	GSV12L	12	18x1,5	17,0	36,0	10,0	29,0	25,0	44,0	24	24	22
		GSV15LB	GSV15L	15	22x1,5	19,0	38,0	12,0	31,0	27,0	46,0	27	30	27
		GSV18LB	GSV18L	18	26x1,5	21,0	40,0	13,5	32,5	30,0	49,0	32	36	32
	300	GSV22LB	GSV22L	22	30x2,0	24,0	42,0	16,5	34,5	33,0	51,0	36	41	36
		GSV28LB	GSV28L	28	36x2,0	26,0	43,0	18,5	35,5	35,0	52,0	41	46	41
		GSV35LB	GSV35L	35	45x2,0	29,0	47,0	18,5	36,5	40,0	58,0	50	55	50
GSV42LB		GSV42L	42	52x2,0	30,0	47,0	19,0	36,0	42,0	59,0	60	65	60	
S	900	GSV06SB	GSV06S	6	14x1,5	19,0	36,0	12,0	29,0	27,0	44,0	19	19	17
		GSV08SB	GSV08S	8	16x1,5	20,0	36,0	13,0	29,0	28,0	44,0	22	22	19
	800	GSV10SB	GSV10S	10	18x1,5	22,0	37,0	14,5	29,5	31,0	46,0	24	24	22
		GSV12SB	GSV12S	12	20x1,5	22,0	38,0	14,5	30,5	31,0	47,0	27	27	24
	700	GSV14SB	GSV14S	14	22x1,5	25,0	40,0	17,0	32,0	35,0	50,0	30	30	27
		GSV16SB	GSV16S	16	24x1,5	25,0	40,0	16,5	31,5	35,0	50,0	32	32	30
	650	GSV20SB	GSV20S	20	30x2,0	28,0	44,0	17,5	33,5	39,0	55,0	41	41	36
		GSV25SB	GSV25S	25	36x2,0	32,0	47,0	20,0	35,0	44,0	59,0	46	46	46
		GSV30SB	GSV30S	30	42x2,0	35,0	51,0	21,5	37,5	48,0	64,0	50	50	50
GSV38SB		GSV38S	38	52x2,0	38,0	53,0	22,0	37,0	53,0	68,0	65	65	60	
420		GSV38SB	GSV38S	38	52x2,0	38,0	53,0	22,0	37,0	53,0	68,0	65	65	60

ADATTATORE INTERMEDIO PASSAPARETE A GOMITO CON CONTRODADO BULKHEAD ELBOW COUPLING WITH LOCKNUT



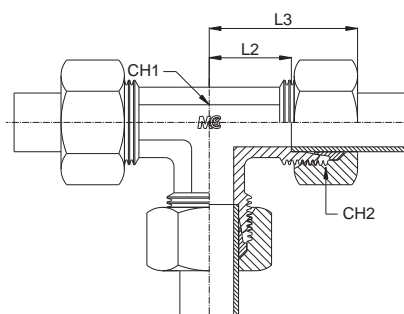
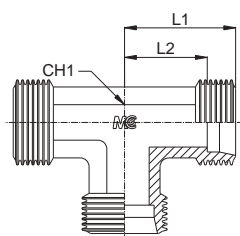
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	D1	m	L1	L2	L3	L4	L5	L6	L7	CH1	CH2	CH3
L	315	WSV06LB	WSV06L	6	17	12x1,5	19,0	12,0	34,0	14,0	27,0	19,0	42	12	17	14
		WSV08LB	WSV08L	8	19	14x1,5	21,0	14,0	34,0	17,0	27,0	21,0	42	12	19	17
		WSV10LB	WSV10L	10	22	16x1,5	22,0	15,0	35,0	18,0	28,0	22,0	43	14	22	19
		WSV12LB	WSV12L	12	24	18x1,5	24,0	17,0	36,0	20,0	29,0	24,0	44	17	24	22
		WSV15LB	WSV15L	15	27	22x1,5	28,0	21,0	38,0	23,0	31,0	28,0	46	19	30	27
		WSV18LB	WSV18L	18	32	26x1,5	31,0	23,5	40,0	24,0	32,5	31,0	49	24	36	32
	160	WSV22LB	WSV22L	22	36	30x2,0	35,0	27,5	42,0	30,0	34,5	35,0	51	27	41	36
		WSV28LB	WSV28L	28	42	36x2,0	38,0	30,5	43,0	34,0	35,5	38,0	52	36	46	41
		WSV35LB	WSV35L	35	50	45x2,0	45,0	34,5	47,0	39,0	36,5	45,0	58	41	55	50
		WSV42LB	WSV42L	42	60	52x2,0	51,0	40,0	47,0	43,0	36,0	51,0	59	50	65	60
S	630	WSV06SB	WSV06S	6	19	14x1,5	23,0	16,0	36,0	17,0	29,0	23,0	44	12	19	17
		WSV08SB	WSV08S	8	22	16x1,5	24,0	17,0	36,0	18,0	29,0	24,0	44	14	22	19
		WSV10SB	WSV10S	10	24	18x1,5	25,0	17,5	37,0	20,0	29,5	25,0	46	17	24	22
		WSV12SB	WSV12S	12	27	20x1,5	29,0	21,5	38,0	21,0	30,5	29,0	47	17	27	24
		WSV14SB	WSV14S	14	27	22x1,5	30,0	22,0	40,0	23,0	32,0	30,0	50	19	30	27
	400	WSV16SB	WSV16S	16	30	24x1,5	33,0	24,5	40,0	24,0	31,5	33,0	50	24	32	30
		WSV20SB	WSV20S	20	36	30x2,0	37,0	26,5	44,0	30,0	33,5	37,0	55	27	41	36
		WSV25SB	WSV25S	25	42	36x2,0	42,0	30,0	47,0	34,0	35,0	42,0	59	36	46	46
		WSV30SB	WSV30S	30	50	42x2,0	49,0	35,5	51,0	39,0	37,5	49,0	64	41	50	50
		WSV38SB	WSV38S	38	60	52x2,0	57,0	41,0	53,0	43,0	37,0	57,0	68	50	65	60
315	WSV38SB	WSV38S	38	60	52x2,0	57,0	41,0	53,0	43,0	37,0	57,0	68	50	65	60	

ADATTATORE MASCHIO INTERMEDIO A GOMITO MALE ELBOW UNION COUPLING



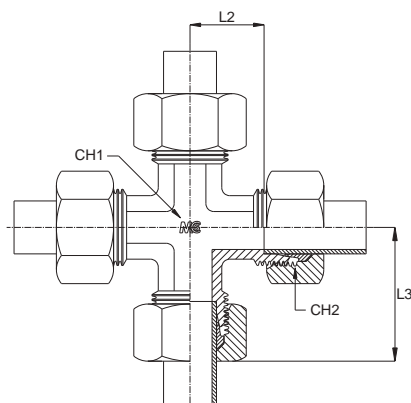
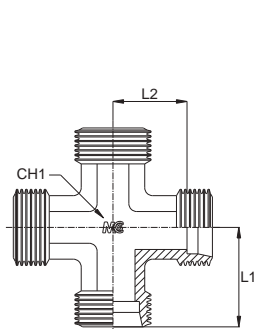
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	CH1	CH2
L	630	LV06LB	LV06L	6	19,0	12,0	27,0	12	14
		LV08LB	LV08L	8	21,0	14,0	29,0	12	17
		LV10LB	LV10L	10	22,0	15,0	30,0	14	19
	450	LV12LB	LV12L	12	24,0	17,0	32,0	17	22
		LV15LB	LV15L	15	28,0	21,0	36,0	19	27
		LV18LB	LV18L	18	31,0	23,5	40,0	24	32
	300	LV22LB	LV22L	22	35,0	27,5	44,0	27	36
		LV28LB	LV28L	28	38,0	30,5	47,0	36	41
		LV35LB	LV35L	35	45,0	34,5	56,0	41	50
		LV42LB	LV42L	42	51,0	40,0	63,0	50	60
S	900	LV06SB	LV06S	6	23,0	16,0	31,0	12	17
		LV08SB	LV08S	8	24,0	17,0	32,0	14	19
	800	LV10SB	LV10S	10	25,0	17,5	34,0	17	22
	700	LV12SB	LV12S	12	29,0	21,5	38,0	17	24
		LV14SB	LV14S	14	30,0	22,0	40,0	19	27
	650	LV16SB	LV16S	16	33,0	24,5	43,0	24	30
		LV20SB	LV20S	20	37,0	26,5	48,0	27	36
	420	LV25SB	LV25S	25	42,0	30,0	54,0	36	46
		LV30SB	LV30S	30	49,0	35,5	62,0	41	50
LV38SB		LV38S	38	57,0	41,0	72,0	50	60	

ADATTATORE MASCHIO INTERMEDIO A T MALE TEE UNION COUPLING



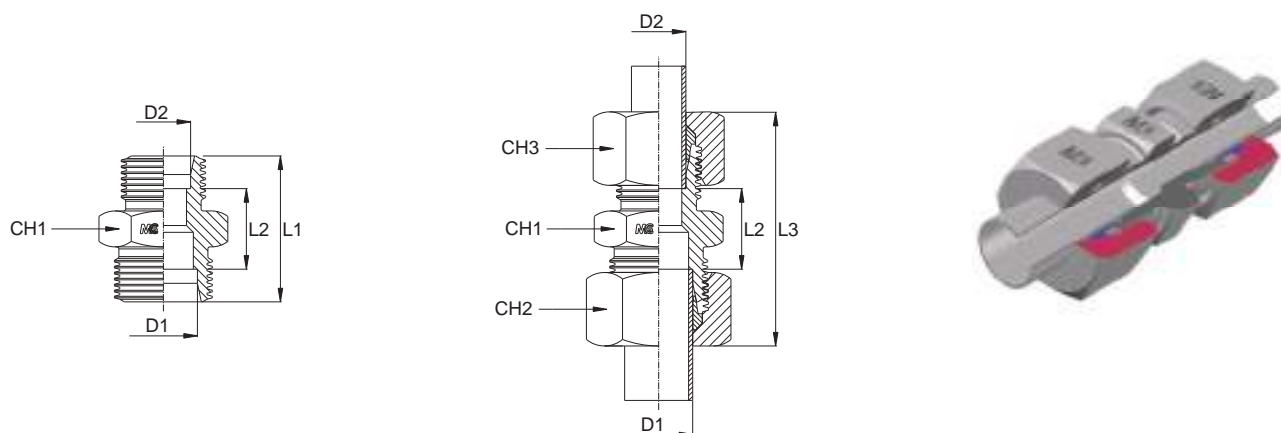
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	CH1	CH2
L	630	TV06LB	TV06L	6	19,0	12,0	27,0	12	14
		TV08LB	TV08L	8	21,0	14,0	29,0	12	17
		TV10LB	TV10L	10	22,0	15,0	30,0	14	19
		TV12LB	TV12L	12	24,0	17,0	32,0	17	22
	450	TV15LB	TV15L	15	28,0	21,0	36,0	19	27
		TV18LB	TV18L	18	31,0	23,5	40,0	24	32
		TV22LB	TV22L	22	35,0	27,5	44,0	27	36
	300	TV28LB	TV28L	28	38,0	30,5	47,0	36	41
		TV35LB	TV35L	35	45,0	34,5	56,0	41	50
TV42LB		TV42L	42	51,0	40,0	63,0	50	60	
S	900	TV06SB	TV06S	6	23,0	16,0	31,0	12	17
		TV08SB	TV08S	8	24,0	17,0	32,0	14	19
	800	TV10SB	TV10S	10	25,0	17,5	34,0	17	22
	700	TV12SB	TV12S	12	29,0	21,5	38,0	17	24
		TV14SB	TV14S	14	30,0	22,0	40,0	19	27
	650	TV16SB	TV16S	16	33,0	24,5	43,0	24	30
		TV20SB	TV20S	20	37,0	26,5	48,0	27	36
	420	TV25SB	TV25S	25	42,0	30,0	54,0	36	46
		TV30SB	TV30S	30	49,0	35,5	62,0	41	50
TV38SB		TV38S	38	57,0	41,0	72,0	50	60	

ADATTATORE MASCHIO INTERMEDIO A CROCE MALE CROSS UNION COUPLING



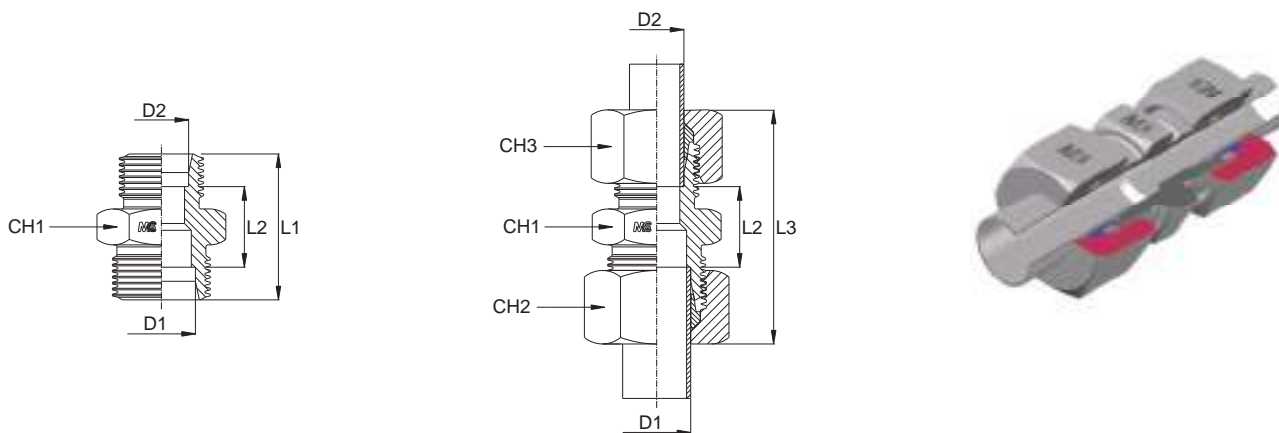
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	CH1	CH2
L	315	CRV06LB	CRV06L	6	19,0	12,0	27,0	12	14
		CRV08LB	CRV08L	8	21,0	14,0	29,0	12	17
		CRV10LB	CRV10L	10	22,0	15,0	30,0	14	19
		CRV12LB	CRV12L	12	24,0	17,0	32,0	17	22
		CRV15LB	CRV15L	15	28,0	21,0	36,0	19	27
		CRV18LB	CRV18L	18	31,0	23,5	40,0	24	32
	160	CRV22LB	CRV22L	22	35,0	27,5	44,0	27	36
		CRV28LB	CRV28L	28	38,0	30,5	47,0	36	41
		CRV35LB	CRV35L	35	45,0	34,5	56,0	41	50
		CRV42LB	CRV42L	42	51,0	40,0	63,0	50	60
S	630	CRV06SB	CRV06S	6	23,0	16,0	31,0	12	17
		CRV08SB	CRV08S	8	24,0	17,0	32,0	14	19
		CRV10SB	CRV10S	10	25,0	17,5	34,0	17	22
		CRV12SB	CRV12S	12	29,0	21,5	38,0	17	24
		CRV14SB	CRV14S	14	30,0	22,0	40,0	19	27
	400	CRV16SB	CRV16S	16	33,0	24,5	43,0	24	30
		CRV20SB	CRV20S	20	37,0	26,5	48,0	27	36
		CRV25SB	CRV25S	25	42,0	30,0	54,0	36	46
		CRV30SB	CRV30S	30	49,0	35,5	62,0	41	50
	315	CRV38SB	CRV38S	38	57,0	41,0	72,0	50	60

ADATTATORE MASCHIO INTERMEDIO RIDOTTO - Serie L STRAIGHT REDUCING MALE COUPLING - L Series



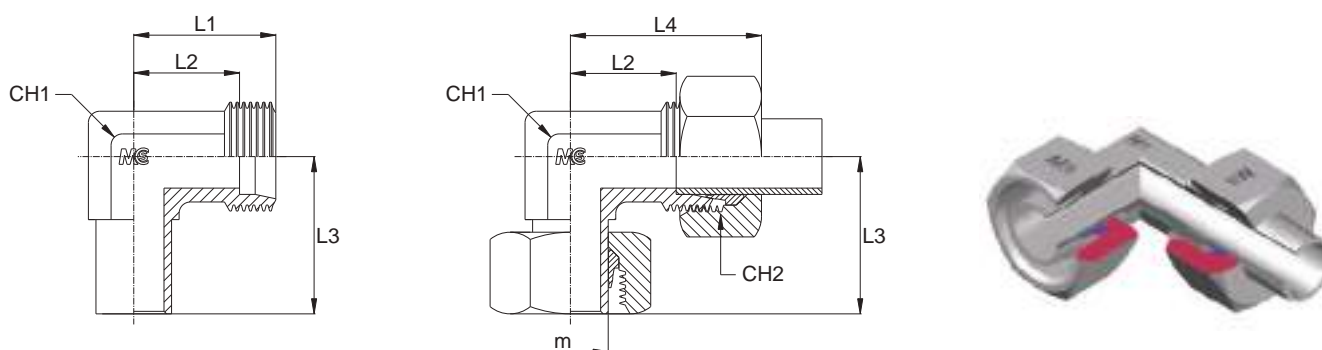
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.		L1	L2	L3	CH1	CH2	CH3
				D1	D2						
L	630	GRV0806LB	GRV0806L	8	6	25,0	11,0	40,5	14	17	14
		GRV1006LB	GRV1006L	10	6	26,0	12,0	41,5	17	19	14
		GRV1008LB	GRV1008L	10	8	26,0	12,0	42,0	17	19	17
	450	GRV1206LB	GRV1206L	12	6	27,0	13,0	42,0	19	22	14
		GRV1208LB	GRV1208L	12	8	27,0	13,0	42,5	19	22	17
		GRV1210LB	GRV1210L	12	10	28,0	14,0	43,5	19	22	19
		GRV1506LB	GRV1506L	15	6	28,0	14,0	50,5	24	14	27
		GRV1508LB	GRV1508L	15	8	28,0	14,0	50,5	24	17	27
		GRV1510LB	GRV1510L	15	10	29,0	15,0	45,0	24	27	19
		GRV1512LB	GRV1512L	15	12	29,0	15,0	44,5	24	27	22
		GRV1808LB	GRV1808L	18	8	29,0	14,5	52,0	27	27	32
		GRV1810LB	GRV1810L	18	10	30,0	15,5	47,0	27	32	19
		GRV1812LB	GRV1812L	18	12	30,0	15,5	46,5	27	32	22
	GRV1815LB	GRV1815L	18	15	31,0	16,5	48,0	27	32	27	
	300	GRV2208LB	GRV2208L	22	8	32,0	17,5	56,5	32	17	36
		GRV2210LB	GRV2210L	22	10	32,0	17,5	57,0	32	19	36
		GRV2212LB	GRV2212L	22	12	32,0	17,5	48,5	32	36	22
		GRV2215LB	GRV2215L	22	15	33,0	18,5	50,0	32	36	27
		GRV2218LB	GRV2218L	22	18	33,0	18,0	51,0	32	36	32
		GRV2810LB	GRV2810L	28	10	35,0	20,5	60,0	41	19	41
		GRV2812LB	GRV2812L	28	12	33,5	19,0	60,0	41	22	41
		GRV2815LB	GRV2815L	28	15	33,5	19,0	62,5	41	27	41
		GRV2818LB	GRV2818L	28	18	34,0	19,0	52,0	41	41	32
		GRV2822LB	GRV2822L	28	22	36,0	21,0	54,0	41	41	36
		GRV3515LB	GRV3515L	35	15	-	-	-	46	27	50
		GRV3518LB	GRV3518L	35	18	37,0	19,0	66,5	46	32	50
		GRV3522LB	GRV3522L	35	22	39,0	21,0	59,0	46	50	36
		GRV3528LB	GRV3528L	35	28	39,0	21,0	59,0	46	50	41
		GRV4215LB	GRV4215L	42	15	-	-	-	55	27	60
		GRV4218LB	GRV4218L	42	18	-	-	-	55	32	60
GRV4222LB		GRV4222L	42	22	41,0	22,5	70,5	55	36	60	
GRV4228LB	GRV4228L	42	28	41,0	22,5	71,0	55	41	60		
GRV4235LB	GRV4235L	42	35	43,0	21,5	75,0	55	50	60		

ADATTATORE MASCHIO INTERMEDIO RIDOTTO - Serie S STRAIGHT REDUCING MALE COUPLING - S Series



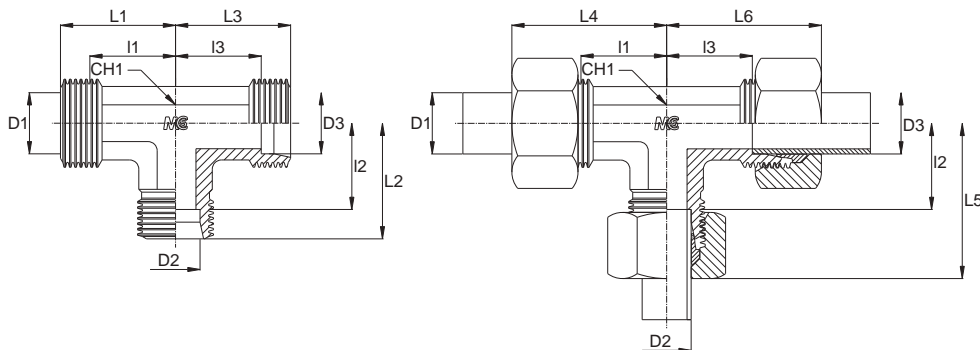
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.		L1	L2	L3	CH1	CH2	CH3
				D1	D2						
S	800	GRV0806SB	GRV0806S	8	6	32,0	18,0	48,0	17	19	17
		GRV1006SB	GRV1006S	10	6	32,0	17,5	48,5	19	22	17
		GRV1008SB	GRV1008S	10	8	32,0	17,5	48,5	19	22	19
	700	GRV1206SB	GRV1206S	12	6	34,0	19,5	50,5	22	24	17
		GRV1208SB	GRV1208S	12	8	34,0	19,5	50,5	22	24	19
		GRV1210SB	GRV1210S	12	10	34,0	19,0	51,0	22	24	22
		GRV1406SB	GRV1406S	14	6	-	-	-	24	17	27
		GRV1408SB	GRV1408S	14	8	-	-	-	24	19	27
		GRV1410SB	GRV1410S	14	10	36,0	20,5	54,5	24	27	22
		GRV1412SB	GRV1412S	14	12	36,0	20,5	54,5	24	27	24
	650	GRV1606SB	GRV1606S	16	6	35,5	20,0	59,5	27	17	30
		GRV1608SB	GRV1608S	16	8	35,5	20,0	59,5	27	19	30
		GRV1610SB	GRV1610S	16	10	36,0	20,0	60,5	27	22	30
		GRV1612SB	GRV1612S	16	12	36,0	20,0	54,5	27	30	24
	420	GRV1614SB	GRV1614S	16	14	38,0	21,5	58,0	27	30	27
		GRV2006SB	GRV2006S	20	6	41,0	23,5	64,5	32	17	36
		GRV2008SB	GRV2008S	20	8	38,5	21,0	64,5	32	19	36
		GRV2010SB	GRV2010S	20	10	40,0	22,0	59,5	32	36	22
		GRV2012SB	GRV2012S	20	12	40,0	22,0	59,5	32	36	24
		GRV2014SB	GRV2014S	20	14	41,5	23,0	68,5	32	27	36
		GRV2016SB	GRV2016S	20	16	42,0	23,0	63,0	32	36	30
		GRV2506SB	GRV2506S	25	6	-	-	-	41	17	46
		GRV2508SB	GRV2508S	25	8	45,5	26,5	71,5	41	19	46
		GRV2510SB	GRV2510S	25	10	47,0	27,5	72,5	41	22	46
		GRV2512SB	GRV2512S	25	12	43,5	24,0	72,5	41	24	46
		GRV2514SB	GRV2514S	25	14	46,5	26,5	74,5	41	27	46
		GRV2516SB	GRV2516S	25	16	46,0	25,5	68,0	41	46	30
		GRV2520SB	GRV2520S	25	20	48,0	25,5	71,0	41	46	36
		GRV3010SB	GRV3010S	30	10	-	-	-	46	22	50
		GRV3012SB	GRV3012S	30	12	48,0	27,0	74,5	46	24	50
		GRV3014SB	GRV3014S	30	14	-	-	-	46	27	50
	GRV3016SB	GRV3016S	30	16	48,0	26,0	78,5	46	30	50	
	GRV3020SB	GRV3020S	30	20	50,0	26,0	74,0	46	50	36	
	GRV3025SB	GRV3025S	30	25	52,0	26,5	77,0	46	50	46	
	GRV3810SB	GRV3810S	38	10	-	-	-	55	22	60	
	GRV3812SB	GRV3812S	38	12	-	-	-	55	24	60	
	GRV3814SB	GRV3814S	38	14	-	-	-	55	27	60	
	GRV3816SB	GRV3816S	38	16	50,5	26,0	85,0	55	30	60	
	GRV3820SB	GRV3820S	38	20	54,5	28,0	88,0	55	36	60	
	GRV3825SB	GRV3825S	38	25	57,0	29,0	94,0	55	46	60	
GRV3830SB	GRV3830S	38	30	59,0	29,5	87,0	55	60	50		

ADATTATORE A GOMITO DI ESTREMITÀ A CODOLO STUD STANDPIPE ELBOW



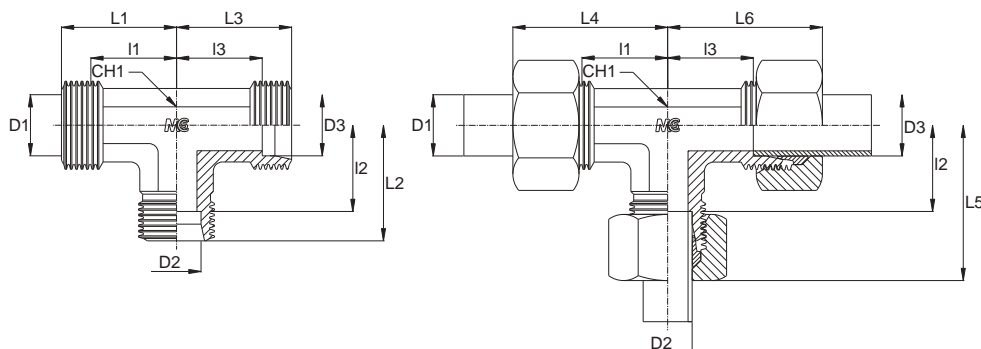
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	L4	CH1	CH2
L	315	EVW06LB	EVW06L	6	19,0	12,0	26,0	27,0	12	14
		EVW08LB	EVW08L	8	21,0	14,0	27,5	29,0	12	17
		EVW10LB	EVW10L	10	22,0	15,0	29,0	30,0	14	19
		EVW12LB	EVW12L	12	24,0	17,0	29,5	32,0	17	22
		EVW15LB	EVW15L	15	28,0	21,0	32,5	36,0	19	27
		EVW18LB	EVW18L	18	31,0	23,5	35,5	40,0	24	32
	160	EVW22LB	EVW22L	22	35,0	27,5	38,5	44,0	27	36
		EVW28LB	EVW28L	28	38,0	30,5	41,5	47,0	36	41
		EVW35LB	EVW35L	35	45,0	34,5	51,0	56,0	41	50
		EVW42LB	EVW42L	42	51,0	40,0	56,0	63,0	50	60
S	630	EVW06SB	EVW06S	6	23,0	16,0	27,0	31,0	12	17
		EVW08SB	EVW08S	8	24,0	17,0	27,5	32,0	14	19
		EVW10SB	EVW10S	10	25,0	17,5	30,0	34,0	17	22
		EVW12SB	EVW12S	12	29,0	21,5	31,0	38,0	17	24
		EVW14SB	EVW14S	14	30,0	22,0	35,0	40,0	19	27
	400	EVW16SB	EVW16S	16	33,0	24,5	36,5	43,0	24	30
		EVW20SB	EVW20S	20	37,0	26,5	44,0	48,0	27	36
		EVW25SB	EVW25S	25	42,0	30,0	50,0	54,0	36	46
		EVW30SB	EVW30S	30	49,0	35,5	55,0	62,0	41	50
		EVW38SB	EVW38S	38	57,0	41,0	63,0	72,0	50	60
	315									

ADATTATORE INTERMEDIO A T RIDOTTO - Serie L REDUCING TEE UNION COUPLING - L Series



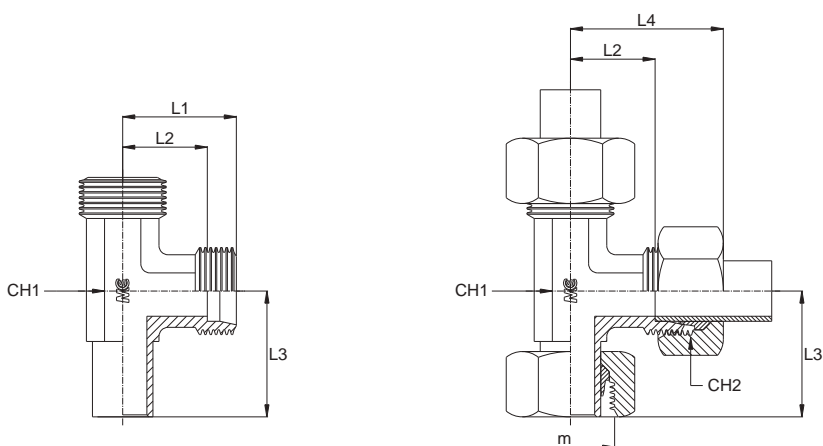
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.			L1	L2	L3	L4	L5	L6	I1	I2	I3	CH1
				D1	D2	D3										
L	630	TRV060806LB	TRV060806L	6	8	6	21,0	21,0	21,0	29,0	29,0	29,0	14,0	14,0	14,0	12
		TRV080608LB	TRV080608L	8	6	8	21,0	21,0	21,0	29,0	29,0	29,0	14,0	14,0	14,0	12
		TRV061006LB	TRV061006L	6	10	6	21,0	22,0	21,0	29,0	30,0	29,0	14,0	15,0	14,0	14
		TRV081008LB	TRV081008L	8	10	8	21,0	22,0	21,0	29,0	30,0	29,0	14,0	15,0	14,0	14
		TRV100610LB	TRV100610L	10	6	10	22,0	21,0	22,0	30,0	29,0	30,0	15,0	14,0	15,0	14
		TRV100810LB	TRV100810L	10	8	10	22,0	21,0	22,0	30,0	29,0	30,0	15,0	14,0	15,0	14
	TRV101006LB	TRV101006L	10	10	6	22,0	22,0	21,0	30,0	30,0	29,0	15,0	15,0	14,0	14	
	450	TRV081208LB	TRV081208L	8	12	8	23,0	24,0	23,0	31,0	32,0	31,0	16,0	17,0	16,0	17
		TRV120612LB	TRV120612L	12	6	12	24,0	23,0	24,0	32,0	31,0	32,0	17,0	16,0	17,0	17
		TRV120808LB	TRV120808L	12	8	8	24,0	23,0	23,0	32,0	31,0	31,0	17,0	16,0	16,0	17
		TRV120812LB	TRV120812L	12	8	12	24,0	23,0	24,0	32,0	31,0	32,0	17,0	16,0	17,0	17
		TRV121010LB	TRV121010L	12	10	10	24,0	24,0	24,0	32,0	32,0	32,0	17,0	17,0	17,0	17
		TRV121012LB	TRV121012L	12	10	12	24,0	24,0	24,0	32,0	32,0	32,0	17,0	17,0	17,0	17
		TRV121210LB	TRV121210L	12	12	10	24,0	24,0	24,0	32,0	32,0	32,0	17,0	17,0	17,0	17
		TRV101510LB	TRV101510L	10	15	10	27,0	28,0	27,0	35,0	36,0	35,0	20,0	21,0	20,0	19
		TRV121512LB	TRV121512L	12	15	12	27,0	28,0	27,0	35,0	36,0	35,0	20,0	21,0	20,0	19
		TRV150615LB	TRV150615L	15	6	15	28,0	25,0	28,0	36,0	33,0	36,0	21,0	18,0	21,0	19
		TRV151015LB	TRV151015L	15	10	15	28,0	27,0	28,0	36,0	35,0	36,0	21,0	20,0	21,0	19
		TRV151212LB	TRV151212L	15	12	12	28,0	27,0	27,0	36,0	35,0	35,0	21,0	20,0	20,0	19
		TRV151215LB	TRV151215L	15	12	15	28,0	27,0	28,0	36,0	35,0	36,0	21,0	20,0	21,0	19
		TRV151512LB	TRV151512L	15	15	12	28,0	28,0	27,0	36,0	36,0	35,0	21,0	21,0	20,0	19
	TRV121812LB	TRV121812L	12	18	12	30,0	31,0	30,0	38,0	40,0	38,0	23,0	23,5	23,0	24	
	TRV181010LB	TRV181010L	18	10	10	31,0	30,0	30,0	40,0	38,0	38,0	23,5	23,0	23,0	24	
	TRV181018LB	TRV181018L	18	10	18	31,0	30,0	31,0	40,0	38,0	40,0	23,5	23,0	23,5	24	
	TRV181218LB	TRV181218L	18	12	18	31,0	30,0	31,0	40,0	38,0	40,0	23,5	23,0	23,5	24	
	TRV181518LB	TRV181518L	18	15	18	31,0	31,0	31,0	40,0	39,0	40,0	23,5	24,0	23,5	24	
	TRV181810LB	TRV181810L	18	18	10	31,0	31,0	30,0	40,0	40,0	38,0	23,5	23,5	23,0	24	
	300	TRV221022LB	TRV221022L	22	10	22	35,0	33,0	35,0	44,0	41,0	44,0	27,5	26,0	27,5	27
		TRV221222LB	TRV221222L	22	12	22	35,0	33,0	35,0	44,0	41,0	44,0	27,5	26,0	27,5	27
		TRV221515LB	TRV221515L	22	15	15	35,0	34,0	34,0	44,0	42,0	42,0	27,5	27,0	27,0	27
		TRV221522LB	TRV221522L	22	15	22	35,0	34,0	35,0	44,0	42,0	44,0	27,5	27,0	27,5	27
		TRV221818LB	TRV221818L	22	18	18	35,0	34,0	34,0	44,0	43,0	43,0	27,5	26,5	26,5	27
		TRV221822LB	TRV221822L	22	18	22	35,0	34,0	35,0	44,0	43,0	44,0	27,5	26,5	27,5	27
		TRV222218LB	TRV222218L	22	22	18	35,0	35,0	34,0	44,0	44,0	43,0	27,5	27,5	26,5	27
		TRV281028LB	TRV281028L	28	10	28	38,0	36,0	38,0	47,0	44,0	47,0	30,5	29,0	30,5	36
		TRV281228LB	TRV281228L	28	12	28	38,0	36,0	38,0	47,0	44,0	47,0	30,5	29,0	30,5	36
TRV281528LB		TRV281528L	28	15	28	38,0	37,0	38,0	47,0	45,0	47,0	30,5	30,0	30,5	36	
TRV281828LB		TRV281828L	28	18	28	38,0	37,0	38,0	47,0	46,0	47,0	30,5	29,5	30,5	36	
TRV282222LB		TRV282222L	28	22	22	38,0	38,0	38,0	47,0	47,0	47,0	30,5	30,5	30,5	36	
TRV282228LB	TRV282228L	28	22	28	38,0	38,0	38,0	47,0	47,0	47,0	30,5	30,5	30,5	36		

ADATTATORE INTERMEDIO A T RIDOTTO - Serie S REDUCING TEE UNION COUPLING - S Series



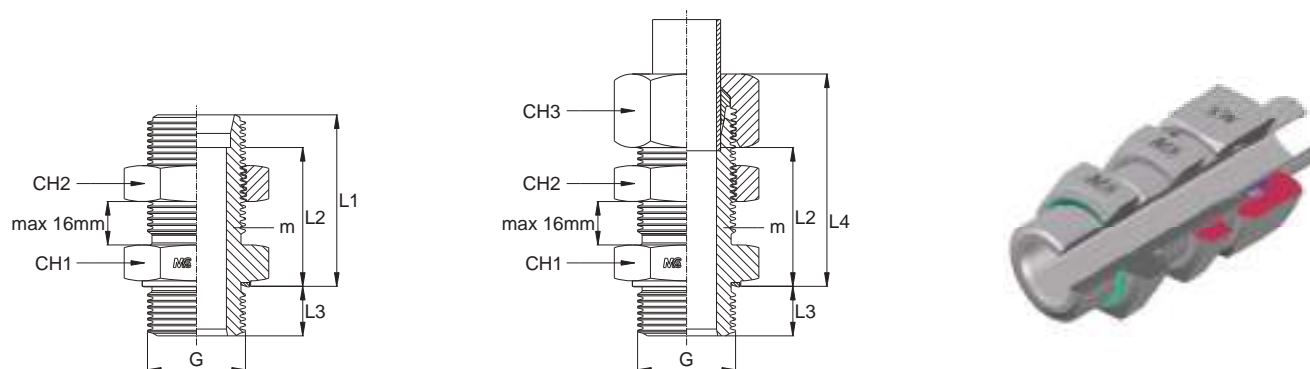
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.			L1	L2	L3	L4	L5	L6	l1	l2	l3	CH1
				D1	D2	D3										
S	800	TRV100610SB	TRV100610S	10	6	10	25,0	25,0	25,0	34,0	33,0	34,0	17,5	18,0	17,5	17
		TRV120808SB	TRV120808S	12	8	8	29,0	25,0	25,0	38,0	33,0	33,0	21,5	18,0	18,0	19
		TRV120812SB	TRV120812S	12	8	12	29,0	25,0	29,0	38,0	33,0	38,0	21,5	18,0	21,5	19
		TRV121012SB	TRV121012S	12	10	12	29,0	25,0	29,0	38,0	34,0	38,0	21,5	17,5	21,5	19
	650	TRV121612SB	TRV121612S	12	16	12	31,0	33,0	31,0	40,0	43,0	40,0	23,5	24,5	23,5	24
		TRV160616SB	TRV160616S	16	6	16	33,0	31,0	33,0	43,0	39,0	43,0	24,5	24,0	24,5	24
		TRV160816SB	TRV160816S	16	8	16	33,0	31,0	33,0	43,0	39,0	43,0	24,5	24,0	24,5	24
		TRV161016SB	TRV161016S	16	10	16	33,0	31,0	33,0	43,0	40,0	43,0	24,5	23,5	24,5	24
		TRV161216SB	TRV161216S	16	12	16	33,0	31,0	33,0	43,0	40,0	43,0	24,5	23,5	24,5	24
		TRV162016SB	TRV162016S	16	20	16	36,0	37,0	36,0	46,0	48,0	46,0	27,5	26,5	27,5	27
	420	TRV201020SB	TRV201020S	20	10	20	37,0	34,0	37,0	48,0	43,0	48,0	26,5	26,5	26,5	27
		TRV201220SB	TRV201220S	20	12	20	37,0	34,0	37,0	48,0	43,0	48,0	26,5	26,5	26,5	27
		TRV201620SB	TRV201620S	20	16	20	37,0	36,0	37,0	48,0	46,0	48,0	26,5	27,5	26,5	27
		TRV202520SB	TRV202520S	20	25	20	40,0	42,0	40,0	51,0	54,0	51,0	29,5	30,0	29,5	36
		TRV251625SB	TRV251625S	25	16	25	42,0	39,0	42,0	54,0	49,0	54,0	30,0	30,5	30,0	36
		TRV252025SB	TRV252025S	25	20	25	42,0	40,0	42,0	54,0	51,0	54,0	30,0	29,5	30,0	36
		TRV253025SB	TRV253025S	25	30	25	47,0	49,0	47,0	59,0	62,0	59,0	35,0	35,5	35,0	41

ADATTATORE DI ESTREMITÀ A T LATERALE A CODOLO STUD STANDPIPE BARREL TEE



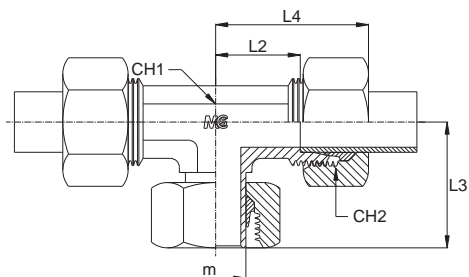
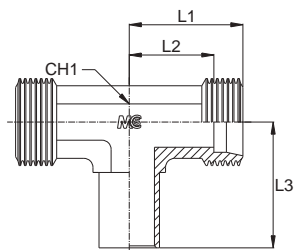
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	L4	CH1	CH2
L	315	TLVW06LB	TLVW06L	6	19,0	12,0	26,0	27,0	12	14
		TLVW08LB	TLVW08L	8	21,0	14,0	27,5	29,0	12	17
		TLVW10LB	TLVW10L	10	22,0	15,0	29,0	30,0	14	19
		TLVW12LB	TLVW12L	12	24,0	17,0	29,5	32,0	17	22
		TLVW15LB	TLVW15L	15	28,0	21,0	32,5	36,0	19	27
		TLVW18LB	TLVW18L	18	31,0	23,5	35,5	40,0	24	32
	160	TLVW22LB	TLVW22L	22	35,0	27,5	38,5	44,0	27	36
		TLVW28LB	TLVW28L	28	38,0	30,5	41,5	47,0	36	41
		TLVW35LB	TLVW35L	35	45,0	34,5	51,0	56,0	41	50
		TLVW42LB	TLVW42L	42	51,0	40,0	56,0	63,0	50	60
S	630	TLVW06SB	TLVW06S	6	23,0	16,0	27,0	31,0	12	17
		TLVW08SB	TLVW08S	8	24,0	17,0	27,5	32,0	14	19
		TLVW10SB	TLVW10S	10	25,0	17,5	30,0	34,0	17	22
		TLVW12SB	TLVW12S	12	29,0	21,5	30,5	38,0	17	24
		TLVW14SB	TLVW14S	14	30,0	22,0	34,5	40,0	19	27
	400	TLVW16SB	TLVW16S	16	33,0	24,5	36,5	43,0	24	30
		TLVW20SB	TLVW20S	20	37,0	26,5	44,0	48,0	27	36
		TLVW25SB	TLVW25S	25	42,0	30,0	50,0	54,0	36	46
		TLVW30SB	TLVW30S	30	49,0	35,5	55,0	62,0	41	50
	315	TLVW38SB	TLVW38S	38	57,0	41,0	63,0	72,0	50	60

ADATTATORE TERMINALE PASSAPARETE CON CONTRODADO CON GUARNIZIONE BULCKHEAD STUD COUPLING WITH LOCKNUT AND CAPTIVE SEAL



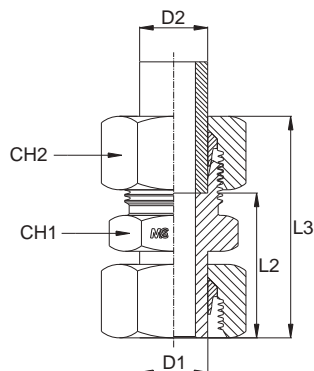
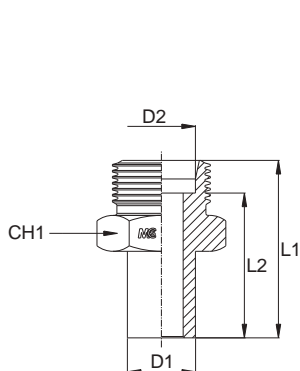
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	L3	L4	CH1	CH2	CH3
L	315	GSV06LG1/8VB	GSV06LG1/8V	6	12x1,5	1/8"	39,5	32,5	8,0	47,5	17	17	14
		GSV08LG1/4VB	GSV08LG1/4V	8	14x1,5	1/4"	41,0	34,0	12,0	49,0	19	19	17
		GSV10LG1/4VB	GSV10LG1/4V	10	16x1,5	1/4"	43,0	36,0	12,0	51,0	22	22	19
		GSV12LG3/8VB	GSV12LG3/8V	12	18x1,5	3/8"	44,5	37,5	12,0	52,5	24	24	22
		GSV15LG1/2VB	GSV15LG1/2V	15	22x1,5	1/2"	48,0	41,0	14,0	56,0	27	30	27
		GSV18LG1/2VB	GSV18LG1/2V	18	26x1,5	1/2"	52,0	44,5	14,0	61,0	32	36	32
	160	GSV22LG3/4VB	GSV22LG3/4V	22	30x2,0	3/4"	55,0	47,5	16,0	64,0	36	41	36
		GSV28LG1VB	GSV28LG1V	28	36x2,0	1"	58,0	50,5	18,0	67,0	41	46	41
		GSV35LG11/4VB	GSV35LG11/4V	35	45x2,0	1,1/4"	63,0	52,5	20,0	74,0	50	55	50
		GSV42LG11/2VB	GSV42LG11/2V	42	52x2,0	1,1/2"	64,0	53,0	22,0	76,0	60	65	60
S	630	GSV06SG1/4VB	GSV06SG1/4V	6	14x1,5	1/4"	45,0	38,0	12,0	53,0	19	19	17
		GSV08SG1/4VB	GSV08SG1/4V	8	16x1,5	1/4"	46,0	39,0	12,0	54,0	22	22	19
		GSV10SG3/8VB	GSV10SG3/8V	10	18x1,5	3/8"	49,0	41,5	12,0	58,0	24	24	22
		GSV12SG3/8VB	GSV12SG3/8V	12	20x1,5	3/8"	50,0	42,5	12,0	59,0	27	27	24
		GSV14SG1/2VB	GSV14SG1/2V	14	22x1,5	1/2"	54,0	46,0	14,0	64,0	30	30	27
	400	GSV16SG1/2VB	GSV16SG1/2V	16	24x1,5	1/2"	54,0	45,5	14,0	64,0	32	32	30
		GSV20SG3/4VB	GSV20SG3/4V	20	30x2,0	3/4"	59,0	48,5	16,0	72,0	41	41	36
		GSV25SG1VB	GSV25SG1V	25	36x2,0	1"	64,0	52,0	18,0	76,0	46	46	46
		GSV30SG11/4VB	GSV30SG11/4V	30	42x2,0	1,1/4"	69,0	55,5	20,0	82,0	50	50	50
		315	GSV38SG11/2VB	GSV38SG11/2V	38	52x2,0	1,1/2"	72,0	56,0	22,0	87,0	60	65

ADATTATORE DI ESTREMITÀ A T CENTRALE A CODOLO STUD STANDPIPE BRANCH TEE



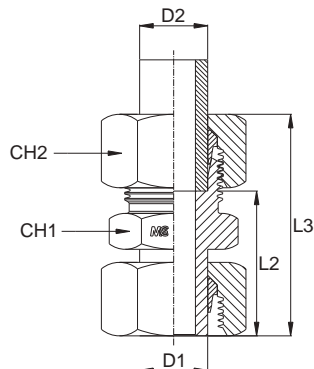
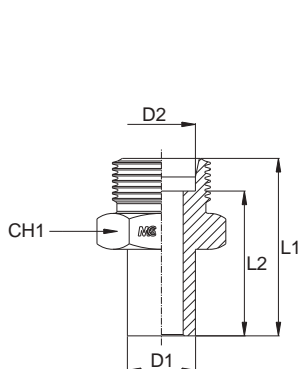
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	L3	L4	CH1	CH2
L	315	TCVW06LB	TCVW06L	6	12x1,5	19,0	12,0	26,0	27,0	12	14
		TCVW08LB	TCVW08L	8	14x1,5	21,0	14,0	27,5	29,0	12	17
		TCVW10LB	TCVW10L	10	16x1,5	22,0	15,0	29,0	30,0	14	19
		TCVW12LB	TCVW12L	12	18x1,5	24,0	17,0	29,5	32,0	17	22
		TCVW15LB	TCVW15L	15	22x1,5	28,0	21,0	32,5	36,0	19	27
		TCVW18LB	TCVW18L	18	26x1,5	31,0	23,5	35,5	40,0	24	32
	160	TCVW22LB	TCVW22L	22	30x2,0	35,0	27,5	38,5	44,0	27	36
		TCVW28LB	TCVW28L	28	36x2,0	38,0	30,5	41,5	47,0	36	41
		TCVW35LB	TCVW35L	35	45x2,0	45,0	34,5	51,0	56,0	41	50
		TCVW42LB	TCVW42L	42	52x2,0	51,0	40,0	56,0	63,0	50	60
S	630	TCVW06SB	TCVW06S	6	14x1,5	23,0	16,0	27,0	31,0	12	17
		TCVW08SB	TCVW08S	8	16x1,5	24,0	17,0	27,5	32,0	14	19
		TCVW10SB	TCVW10S	10	18x1,5	25,0	17,5	30,0	34,0	17	22
		TCVW12SB	TCVW12S	12	20x1,5	29,0	21,5	31,0	38,0	17	24
		TCVW14SB	TCVW14S	14	22x1,5	30,0	22,0	35,0	40,0	19	27
	400	TCVW16SB	TCVW16S	16	24x1,5	33,0	24,5	36,5	43,0	24	30
		TCVW20SB	TCVW20S	20	30x2,0	37,0	26,5	44,5	48,0	27	36
		TCVW25SB	TCVW25S	25	36x2,0	42,0	30,0	50,0	54,0	36	46
		TCVW30SB	TCVW30S	30	42x2,0	49,0	35,5	55,0	62,0	41	50
		315	TCVW38SB	TCVW38S	38	52x2,0	57,0	41,0	63,0	72,0	50

ADATTATORE DI RIDUZIONE A CODOLO - Serie L
REDUCING STANDPIPE COUPLING - L Series



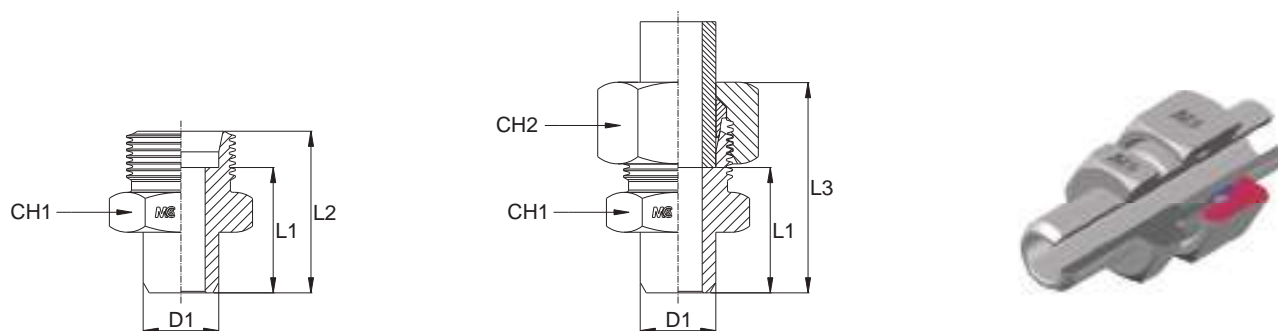
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	D1	D2	L1	L2	L3	CH1	CH2
L	315	EVGE0806LB	EVGE0806L	8	6	32,5	25,5	40,0	14	14
		EVGE1006LB	EVGE1006L	10	6	33,0	26,0	40,5	14	14
		EVGE1206LB	EVGE1206L	12	6	34,0	27,0	41,5	14	14
		EVGE1506LB	EVGE1506L	15	6	34,0	27,0	41,5	17	14
		EVGE1806LB	EVGE1806L	18	6	36,5	29,5	44,0	19	14
		EVGE1008LB	EVGE1008L	10	8	34,0	27,0	42,0	14	17
		EVGE1208LB	EVGE1208L	12	8	34,0	27,0	42,0	14	17
		EVGE1508LB	EVGE1508L	15	8	34,0	27,0	42,0	17	17
		EVGE1808LB	EVGE1808L	18	8	36,5	29,5	44,5	19	17
		EVGE1210LB	EVGE1210L	12	10	35,0	28,0	43,0	17	19
		EVGE1510LB	EVGE1510L	15	10	35,0	28,0	43,0	17	19
		EVGE1810LB	EVGE1810L	18	10	37,5	30,5	45,5	19	19
		EVGE1512LB	EVGE1512L	15	12	36,0	29,0	43,5	19	22
		EVGE1812LB	EVGE1812L	18	12	37,5	30,5	45,0	19	22
		EVGE1815LB	EVGE1815L	18	15	38,5	31,5	46,5	24	27
	160	EVGE2206LB	EVGE2206L	22	6	37,5	30,5	45,0	24	14
		EVGE2806LB	EVGE2806L	28	6	39,0	32,0	46,5	30	14
		EVGE3506LB	EVGE3506L	35	6	45,5	38,5	53,0	36	14
		EVGE4206LB	EVGE4206L	42	6	46,5	39,5	54,0	46	14
		EVGE2208LB	EVGE2208L	22	8	37,5	30,5	45,5	24	17
		EVGE2808LB	EVGE2808L	28	8	39,0	32,0	47,0	30	17
		EVGE3508LB	EVGE3508L	35	8	45,5	38,5	53,5	36	17
		EVGE4208LB	EVGE4208L	42	8	46,5	39,5	54,5	46	17
		EVGE2210LB	EVGE2210L	22	10	38,5	31,5	46,5	24	19
		EVGE2810LB	EVGE2810L	28	10	40,0	33,0	48,0	30	19
		EVGE3510LB	EVGE3510L	35	10	46,5	39,5	54,5	36	19
		EVGE4210LB	EVGE4210L	42	10	47,5	40,5	55,5	46	19
		EVGE2212LB	EVGE2212L	22	12	38,5	31,5	46,0	24	22
		EVGE2812LB	EVGE2812L	28	12	40,0	33,0	47,5	30	22
		EVGE3512LB	EVGE3512L	35	12	46,5	39,5	54,0	36	22
		EVGE4212LB	EVGE4212L	42	12	47,5	40,5	55,0	46	22
		EVGE2215LB	EVGE2215L	22	15	39,5	32,5	47,5	24	27
		EVGE2815LB	EVGE2815L	28	15	41,0	34,0	49,0	30	27
		EVGE3515LB	EVGE3515L	35	15	47,5	40,5	55,5	36	27
		EVGE4215LB	EVGE4215L	42	15	48,5	41,5	56,5	46	27
		EVGE2218LB	EVGE2218L	22	18	40,0	32,5	49,0	27	32
		EVGE2818LB	EVGE2818L	28	18	41,0	33,5	50,0	30	32
		EVGE3518LB	EVGE3518L	35	18	47,5	40,0	56,5	36	32
		EVGE4218LB	EVGE4218L	42	18	48,5	41,0	57,5	46	32
		EVGE2822LB	EVGE2822L	28	22	43,0	35,5	52,0	32	36
		EVGE3522LB	EVGE3522L	35	22	49,5	42,0	58,5	36	36
		EVGE4222LB	EVGE4222L	42	22	50,5	43,0	59,5	46	36
EVGE3528LB	EVGE3528L	35	28	49,5	42,0	58,5	41	41		
EVGE4228LB	EVGE4228L	42	28	50,5	43,0	59,5	46	41		
EVGE4235LB	EVGE4235L	42	35	52,5	42,0	63,5	46	50		

ADATTATORE DI RIDUZIONE A CODOLO - Serie S
REDUCING STANDPIPE COUPLING - S Series



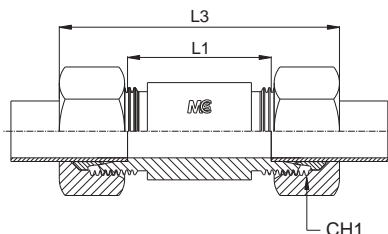
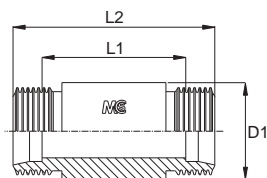
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	D1	D2	L1	L2	L3	CH1	CH2
S	630	EVGE0806SB	EVGE0806S	8	6	36,0	29,0	44,0	14	17
		EVGE1006SB	EVGE1006S	10	6	38,5	31,5	46,5	14	17
		EVGE1206SB	EVGE1206S	12	6	38,0	31,0	46,0	14	17
		EVGE1406SB	EVGE1406S	14	6	42,0	35,0	50,0	17	17
		EVGE1008SB	EVGE1008S	10	8	40,5	33,5	48,5	17	19
		EVGE1208SB	EVGE1208S	12	8	40,0	33,0	48,0	17	19
		EVGE1408SB	EVGE1408S	14	8	42,0	35,0	50,0	17	19
		EVGE1210SB	EVGE1210S	12	10	40,0	32,5	48,5	19	22
		EVGE1410SB	EVGE1410S	14	10	42,0	34,5	50,5	19	22
	EVGE1412SB	EVGE1412S	14	12	44,0	36,5	52,5	22	24	
	400	EVGE1606SB	EVGE1606S	16	6	43,0	36,0	51,0	17	17
		EVGE2006SB	EVGE2006S	20	6	48,5	41,5	56,5	22	17
		EVGE2506SB	EVGE2506S	25	6	51,0	44,0	59,0	27	17
		EVGE3006SB	EVGE3006S	30	6	55,5	48,5	63,5	32	17
		EVGE1608SB	EVGE1608S	16	8	43,0	36,0	51,0	17	19
		EVGE2008SB	EVGE2008S	20	8	48,5	41,0	56,5	22	19
		EVGE2508SB	EVGE2508S	25	8	51,0	44,0	59,0	27	19
		EVGE3008SB	EVGE3008S	30	8	55,5	48,5	63,5	32	19
		EVGE1610SB	EVGE1610S	16	10	43,0	35,5	51,5	19	22
		EVGE2010SB	EVGE2010S	20	10	48,5	41,0	57,0	22	22
		EVGE2510SB	EVGE2510S	25	10	51,0	43,5	59,5	27	22
		EVGE1612SB	EVGE1612S	16	12	45,0	37,5	53,5	22	24
		EVGE2012SB	EVGE2012S	20	12	48,5	41,0	57,0	22	24
		EVGE2512SB	EVGE2512S	25	12	51,0	43,5	59,5	27	24
		EVGE3012SB	EVGE3012S	30	12	55,5	48,0	64,0	32	24
		EVGE1614SB	EVGE1614S	16	14	47,0	39,0	57,0	24	27
		EVGE2014SB	EVGE2014S	20	14	50,5	42,5	60,5	24	27
		EVGE2514SB	EVGE2514S	25	14	53,0	45,0	63,0	27	27
		EVGE2016SB	EVGE2016S	20	16	50,5	42,0	60,5	27	30
		EVGE2516SB	EVGE2516S	25	16	53,0	44,5	63,0	27	30
		EVGE3016SB	EVGE3016S	30	16	57,5	49,0	67,5	32	30
	EVGE2520SB	EVGE2520S	25	20	57,0	46,5	68,0	32	36	
	EVGE3020SB	EVGE3020S	30	20	59,5	49,0	70,5	32	36	
	EVGE3820SB	EVGE3820S	38	20	65,5	55,0	76,5	41	36	
	EVGE3025SB	EVGE3025S	30	25	63,5	51,5	75,5	41	46	
	315	EVGE3806SB	EVGE3806S	38	6	61,5	54,0	69,5	41	17
		EVGE3808SB	EVGE3808S	38	8	61,5	54,5	69,5	41	19
		EVGE3812SB	EVGE3812S	38	12	61,5	54,0	70,0	41	24
		EVGE3816SB	EVGE3816S	38	16	63,5	55,0	73,5	41	30
		EVGE3825SB	EVGE3825S	38	25	67,5	55,5	79,5	41	46
EVGE3830SB	EVGE3830S	38	30	69,5	56,0	82,5	46	50		
250	EVGE3010SB	EVGE3010S	30	10	55,5	48,0	64,0	32	22	
	EVGE3810SB	EVGE3810S	38	10	61,5	54,0	70,0	41	22	
	EVGE3014SB	EVGE3014S	30	14	57,5	49,5	67,5	32	27	
	EVGE3814SB	EVGE3814S	38	14	63,5	55,5	73,5	41	27	

ADATTATORE MASCHIO DI ESTREMITÀ A SALDARE WELD ON STRAIGHT MALE COUPLING (WELDING BOSS)



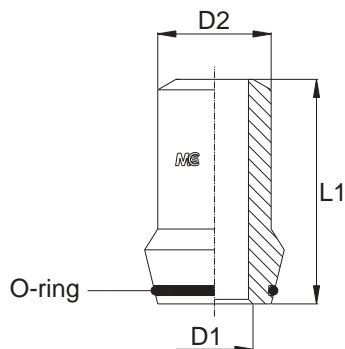
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	D1	L1	L2	L3	CH1	CH2
L	630	WB06LB	WB06L	6	10,0	14,0	21,0	29,0	14	14
		WB08LB	WB08L	8	12,0	16,0	23,0	31,0	14	17
		WB10LB	WB10L	10	14,0	18,0	25,0	33,0	17	19
	450	WB12LB	WB12L	12	16,0	18,0	25,0	33,0	19	22
		WB15LB	WB15L	15	19,0	22,0	29,0	37,0	22	27
		WB18LB	WB18L	18	22,0	23,5	31,0	40,0	27	32
	300	WB22LB	WB22L	22	27,0	28,5	36,0	45,0	32	36
		WB28LB	WB28L	28	32,0	30,5	38,0	47,0	41	41
WB35LB		WB35L	35	40,0	32,5	43,0	54,0	46	50	
		WB42LB	WB42L	42	46,0	35,0	46,0	58,0	55	60
S	900	WB06SB	WB06S	6	11,0	19,0	26,0	34,0	14	17
		WB08SB	WB08S	8	13,0	21,0	28,0	36,0	17	19
	800	WB10SB	WB10S	10	15,0	22,5	30,0	39,0	19	22
		WB12SB	WB12S	12	17,0	24,5	32,0	41,0	22	24
	700	WB14SB	WB14S	14	19,0	27,0	35,0	45,0	24	27
		WB16SB	WB16S	16	21,0	26,5	35,0	45,0	27	30
	650	WB20SB	WB20S	20	26,0	29,5	40,0	51,0	32	36
		WB25SB	WB25S	25	31,0	32,0	44,0	56,0	41	46
WB30SB		WB30S	30	36,0	35,5	49,0	62,0	46	50	
WB38SB		WB38S	38	44,0	38,0	54,0	69,0	55	60	

PASSAPARETE A SALDARE WELD ON BULKHEAD STRAIGHT COUPLING



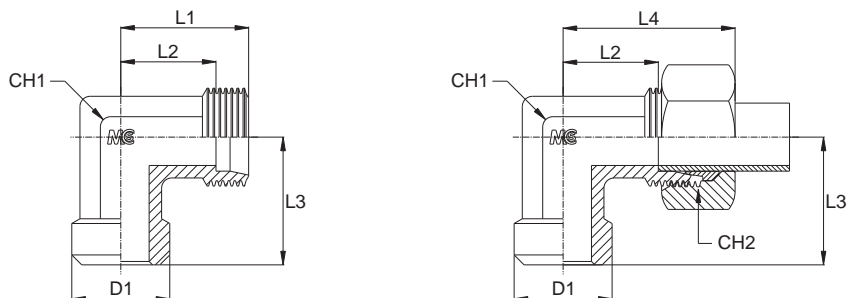
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	D1	L1	L2	L3	CH1
L	630	WBC06LB	WBC06L	6	18,0	56,0	70,0	85,0	14
		WBC08LB	WBC08L	8	20,0	56,0	70,0	85,0	17
		WBC10LB	WBC10L	10	22,0	58,0	72,0	87,0	19
	450	WBC12LB	WBC12L	12	25,0	58,0	72,0	87,0	22
		WBC15LB	WBC15L	15	28,0	70,0	84,0	100,0	27
		WBC18LB	WBC18L	18	32,0	69,0	84,0	101,0	32
	300	WBC22LB	WBC22L	22	36,0	73,0	88,0	105,0	36
		WBC28LB	WBC28L	28	40,0	73,0	88,0	106,0	41
WBC35LB		WBC35L	35	50,0	71,0	92,0	114,0	50	
		WBC42LB	WBC42L	42	60,0	70,0	92,0	115,0	60
S	900	WBC06SB	WBC06S	6	20,0	60,0	74,0	89,0	17
		WBC08SB	WBC08S	8	22,0	60,0	74,0	89,0	19
	800	WBC10SB	WBC10S	10	25,0	59,0	74,0	91,0	22
		WBC12SB	WBC12S	12	28,0	59,0	74,0	91,0	24
	700	WBC14SB	WBC14S	14	30,0	72,0	88,0	107,0	27
		WBC16SB	WBC16S	16	35,0	71,0	88,0	107,0	30
	650	WBC20SB	WBC20S	20	38,0	71,0	92,0	114,0	36
		WBC25SB	WBC25S	25	45,0	72,0	96,0	120,0	46
		WBC30SB	WBC30S	30	50,0	73,0	100,0	126,0	50
		WBC38SB	WBC38S	38	60,0	72,0	104,0	133,0	60

CODOLO A SALDARE CON O'RING WELD ON NIPPLE WITH O'RING



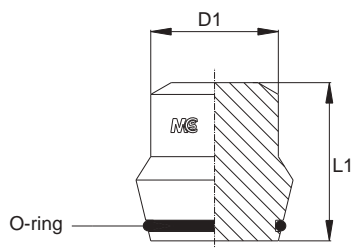
Serie Series	Bar W.P.	Codice Part Number	Spessore Thickness	Ø Est. Tube Tube O.D.	D1	D2	L1
L/S	630	OSM6175	6x1,75	6	2,5	6,0	31,0
		OSM82	8x2,00	8	4,0	8,0	31,0
		OSM1225	12x2,50	12	7,0	12,0	32,5
	400	OSM102	10x2,00	10	6,0	10,0	32,5
		OSM122	12x2,00	12	8,0	12,0	32,5
	315	OSM1015	10x1,50	10	7,0	10,0	32,5
OSM1215		12x1,50	12	9,0	12,0	32,5	
L	315	OSM1525	15x2,50	15	10,0	15,0	34,0
		OSM1825	18x2,50	18	13,0	18,0	35,5
	160	OSM2225	22x2,50	22	17,0	22,0	38,5
		OSM2825	28x2,50	28	23,0	28,0	41,5
		OSM353	35x3,00	35	29,0	35,0	47,5
		OSM423	42x3,00	42	36,0	42,0	47,5
S	400	OSM143	14x3,00	14	8,0	14,0	38,5
		OSM163	16x3,00	16	10,0	16,0	39,0
		OSM204	20x4,00	20	12,0	20,0	45,0
		OSM255	25x5,00	25	15,0	25,0	49,5
	315	OSM1625	16x2,50	16	11,0	16,0	39,0
		OSM203	20x3,00	20	14,0	20,0	45,0
		OSM254	25x4,00	25	17,0	25,0	49,5
		OSM305	30x5,00	30	20,0	30,0	52,0
		OSM306	30x6,00	30	18,0	30,0	52,0
		OSM386	38x6,00	38	26,0	38,0	56,5
	250	OSM388	38x8,00	38	22,0	38,0	56,5
		OSM162	16x2,00	16	12,0	16,0	39,0
		OSM2025	20x2,50	20	15,0	20,0	45,0
		OSM253	25x3,00	25	19,0	25,0	49,5
	160	OSM304	30x4,00	30	22,0	30,0	52,0
		OSM385	38x5,00	38	28,0	38,0	56,5
		OSM303	30x3,00	30	24,0	30,0	52,0
		OSM383	38x3,00	38	32,0	38,0	56,5

ADATTATORE MASCHIO DI ESTREMITÀ A GOMITO A SALDARE WELD ON MALE STUD ELBOW



Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	D1	L1	L2	L3	L4	CH1	CH2
L	630	WA06LB	WA06L	6	10,0	19,0	12,0	19,0	27,0	12	14
		WA08LB	WA08L	8	12,0	21,0	14,0	21,0	29,0	12	17
		WA10LB	WA10L	10	14,0	22,0	15,0	22,0	30,0	14	19
	450	WA12LB	WA12L	12	16,0	24,0	17,0	24,0	32,0	17	22
		WA15LB	WA15L	15	19,0	28,0	21,0	28,0	36,0	19	27
		WA18LB	WA18L	18	22,0	31,0	23,5	31,0	40,0	24	32
	300	WA22LB	WA22L	22	27,0	35,0	27,5	35,0	44,0	27	36
		WA28LB	WA28L	28	32,0	38,0	30,5	38,0	47,0	36	41
		WA35LB	WA35L	35	40,0	45,0	34,5	45,0	56,0	41	50
		WA42LB	WA42L	42	46,0	51,0	40,0	51,0	63,0	50	60
S	900	WA06SB	WA06S	6	11,0	23,0	16,0	23,0	31,0	12	17
		WA08SB	WA08S	8	13,0	24,0	17,0	24,0	32,0	14	19
	800	WA10SB	WA10S	10	15,0	25,0	17,5	25,0	34,0	17	22
		WA12SB	WA12S	12	17,0	29,0	21,5	29,0	38,0	17	24
	700	WA14SB	WA14S	14	19,0	30,0	22,0	30,0	40,0	19	27
		WA16SB	WA16S	16	21,0	33,0	24,5	33,0	43,0	24	30
	650	WA20SB	WA20S	20	26,0	37,0	26,5	37,0	48,0	27	36
		WA25SB	WA25S	25	31,0	42,0	30,0	42,0	54,0	36	46
		WA30SB	WA30S	30	36,0	49,0	35,5	49,0	62,0	41	50
		WA38SB	WA38S	38	44,0	57,0	41,0	57,0	72,0	50	60

TAPPO CON O'RING PLUG WITH O'RING



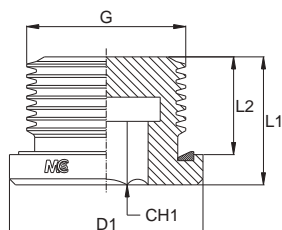
Serie Series	Bar W.P.	Codice Part Number	Ø Est. Tubo Tube O.D.	D1	L1
L	630	TM06L	6	6,0	17,0
		TM08L	8	8,0	17,0
		TM10L	10	10,0	20,0
	450	TM12L	12	12,0	21,0
		TM15L	15	15,0	21,0
		TM18L	18	18,0	23,0
	300	TM22L	22	22,0	23,0
		TM28L	28	28,0	25,0
		TM35L	35	35,0	29,0
		TM42L	42	42,0	30,0
S	900	TM06S	6	6,0	17,0
		TM08S	8	8,0	17,0
	800	TM10S	10	10,0	20,0
	700	TM12S	12	12,0	21,0
		TM14S	14	14,0	23,0
	650	TM16S	16	16,0	24,0
		TM20S	20	20,0	28,0
	420	TM25S	25	25,0	31,0
		TM30S	30	30,0	34,0
TM38S		38	38,0	38,0	

TAPPO MASCHIO ESAGONO INCASSATO CON GUARNIZIONE PIANA

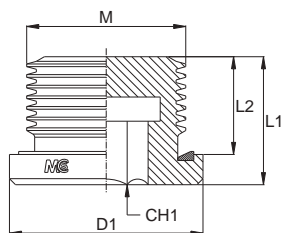
Filetto Gas Cilindrico - Metrico Cilindrico

MALE PLUG INNER HEXAGON AND CAPTIVE SEAL

Thread BSP Parallel - Thread Metric Parallel

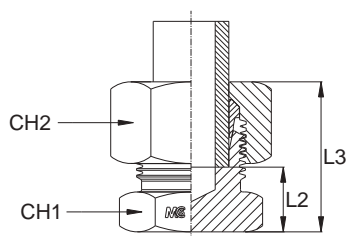
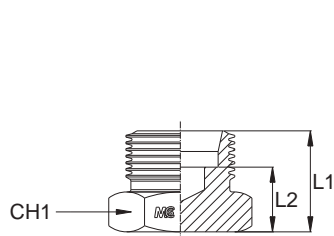


Serie Series	Bar W.P.	Codice Part Number	G	D1	L1	L2	CH1
S	400	BSPMIP02	1/8"	14,0	12,0	8,0	5
		BSPMIP04	1/4"	19,0	17,0	12,0	6
		BSPMIP06	3/8"	22,0	17,0	12,0	8
		BSPMIP08	1/2"	27,0	19,0	14,0	10
		BSPMIP12	3/4"	32,0	21,0	16,0	12
		BSPMIP16	1"	40,0	22,5	16,0	17
	250	BSPMIP20	1,1/4"	50,0	22,5	16,0	22
		BSPMIP24	1,1/2"	55,0	22,5	16,0	24



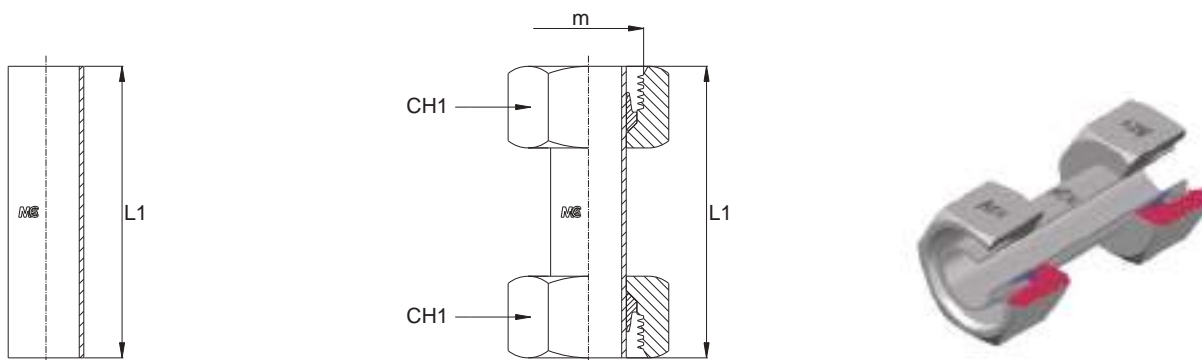
Serie Series	Bar W.P.	Codice Part Number	M	D1	L1	L2	CH1
S	400	MIP101	10x1,0	14,0	12,0	8,0	5
		MIP1215	12x1,5	17,0	17,0	12,0	6
		MIP1415	14x1,5	19,0	17,0	12,0	6
		MIP1615	16x1,5	22,0	17,0	12,0	8
		MIP1815	18x1,5	24,0	17,0	12,0	8
		MIP2015	20x1,5	26,0	19,0	14,0	10
		MIP2215	22x1,5	27,0	19,0	14,0	10
		MIP2615	26x1,5	32,0	21,0	16,0	12
		MIP272	27x2,0	32,0	21,0	16,0	12
		MIP332	33x2,0	40,0	22,5	16,0	17
	250	MIP422	42x2,0	50,0	22,5	16,0	22
		MIP482	48x2,0	55,0	22,5	16,0	24

**TAPPO MASCHIO SV. 24°
MALE PLUG 24° CONE**



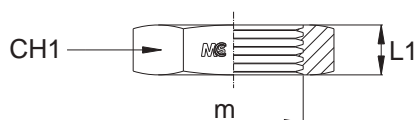
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	L1	L2	L3	CH1	CH2
L	630	MMHP06LB	MMHP06L	6	14,0	7,0	21,5	14	14
		MMHP08LB	MMHP08L	8	15,0	8,0	23,0	14	17
		MMHP10LB	MMHP10L	10	16,0	9,0	24,0	17	19
		MMHP12LB	MMHP12L	12	17,0	10,0	24,5	19	22
	450	MMHP15LB	MMHP15L	15	18,0	11,0	26,0	24	27
		MMHP18LB	MMHP18L	18	19,0	11,5	28,0	27	32
		MMHP22LB	MMHP22L	22	21,0	13,5	30,0	32	36
	300	MMHP28LB	MMHP28L	28	22,0	14,5	31,0	41	41
		MMHP35LB	MMHP35L	35	25,0	14,5	36,0	46	50
		MMHP42LB	MMHP42L	42	27,0	16,0	39,0	55	60
S	900	MMHP06SB	MMHP06S	6	18,0	11,0	26,0	14	17
		MMHP08SB	MMHP08S	8	20,0	13,0	28,0	17	19
	800	MMHP10SB	MMHP10S	10	20,0	12,5	28,5	19	22
	700	MMHP12SB	MMHP12S	12	22,0	14,5	30,5	22	24
		MMHP14SB	MMHP14S	14	24,0	16,0	34,0	24	27
	650	MMHP16SB	MMHP16S	16	24,0	15,5	34,0	27	30
	420	MMHP20SB	MMHP20S	20	28,0	17,5	39,0	32	36
		MMHP25SB	MMHP25S	25	32,0	20,0	44,0	41	46
		MMHP30SB	MMHP30S	30	34,0	20,5	47,0	46	50
		MMHP38SB	MMHP38S	38	39,0	23,0	54,0	55	60

ADATTATORE FEMMINA INTERMEDIO STRAIGHT FEMALE UNION COUPLING



Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	CH1
L	315	SFUC06LB	SFUC06L	6	12x1,5	40,0	14
		SFUC08LB	SFUC08L	8	14x1,5	40,0	17
		SFUC10LB	SFUC10L	10	16x1,5	42,0	19
		SFUC12LB	SFUC12L	12	18x1,5	42,0	22
		SFUC15LB	SFUC15L	15	22x1,5	42,0	27
	SFUC18LB	SFUC18L	18	26x1,5	45,0	32	
	160	SFUC22LB	SFUC22L	22	30x2,0	48,0	36
		SFUC28LB	SFUC28L	28	36x2,0	50,0	41
		SFUC35LB	SFUC35L	35	45x2,0	61,0	50
SFUC42LB		SFUC42L	42	52x2,0	61,0	60	
S	630	SFUC06SB	SFUC06S	6	14x1,5	40,0	17
		SFUC08SB	SFUC08S	8	12x1,5	40,0	19
		SFUC10SB	SFUC10S	10	18x1,5	45,0	22
		SFUC12SB	SFUC12S	12	20x1,5	45,0	24
		SFUC14SB	SFUC14S	14	22x1,5	48,0	27
	400	SFUC16SB	SFUC16S	16	24x1,5	50,0	30
		SFUC20SB	SFUC20S	20	30x2,0	58,0	36
		SFUC25SB	SFUC25S	25	36x2,0	63,0	46
		SFUC30SB	SFUC30S	30	42x2,0	70,0	50
		SFUC38SB	SFUC38S	38	52x2,0	78,0	60

CONTRODADO PER ADATTATORE INTERMEDIO PASSAPARETE LOCKNUT FOR BULKHEAD STRAIGHT UNION COUPLING



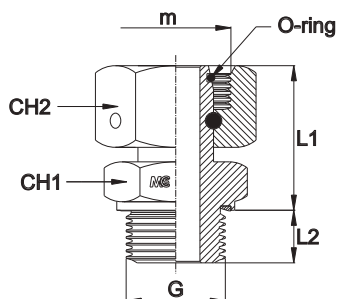
Serie Series	Bar W.P.	Codice Part Number	m	Ø Est. Tubo Tube O.D.	L1	CH1
L/S	-	GM1215	12x1,5	6L	6,0	17
		GM1415	14x1,5	8L-6S	6,0	19
		GM1615	16x1,5	10L-8S	6,0	22
		GM1815	18x1,5	12L-10S	6,0	24
		GM2015	20x1,5	12S	6,0	27
		GM2215	22x1,5	15L-14S	7,0	30
		GM2415	24x1,5	16S	7,0	32
		GM2615	26x1,5	18L	8,0	36
		GM302	30x2,0	22L-20S	8,0	41
		GM362	36x2,0	28L-25S	9,0	46
		GM422	42x2,0	30S	9,0	50
		GM452	45x2,0	35L	9,0	55
		GM522	52x2,0	42L-38S	10,0	65

DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E GUARNIZIONE PIANA

Filetto Gas Cilindrico

MALE STUD COUPLING WITH SWIVEL NUT AND CAPTIVE SEAL

BSP Parallel Thread



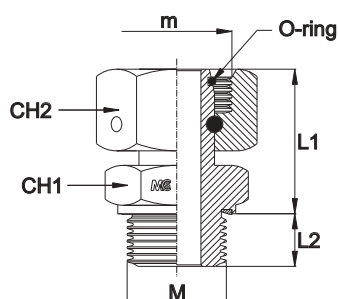
Serie Series	Bar W.P.	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	CH1	CH2
L	630	EGE06LG1/8V	6	12x1,5	1/8"	24,0	8,0	14	14
		EGE08LG1/4V	8	14x1,5	1/4"	27,0	12,0	19	17
		EGE10LG1/4V	10	16x1,5	1/4"	25,5	12,0	19	19
	450	EGE12LG3/8V	12	18x1,5	3/8"	32,0	12,0	22	22
		EGE15LG1/2V	15	22x1,5	1/2"	30,0	14,0	27	27
		EGE18LG1/2V	18	26x1,5	1/2"	29,0	14,0	27	32
	300	EGE22LG3/4V	22	30x2,0	3/4"	35,5	16,0	32	36
		EGE28LG1V	28	36x2,0	1"	32,5	18,0	41	41
		EGE35LG1 1/4V	35	45x2,0	1,1/4"	38,1	20,0	50	50
EGE42LG1 1/2V		42	52x2,0	1,1/2"	41,6	22,0	55	60	
S	900	EGE06SG1/4V	6	14x1,5	1/4"	24,5	12,0	19	17
		EGE08SG1/4V	8	16x1,5	1/4"	27,0	12,0	19	19
	700	EGE10SG3/8V	10	18x1,5	3/8"	29,5	12,0	22	22
		EGE12SG3/8V	12	20x1,5	3/8"	31,5	12,0	22	24
		EGE14SG1/2V	14	22x1,5	1/2"	33,5	14,0	27	27
	420	EGE16SG1/2V	16	24x1,5	1/2"	33,5	14,0	27	30
		EGE20SG3/4V	20	30x2,0	3/4"	39,0	16,0	32	36
		EGE25SG1V	25	36x2,0	1"	42,5	18,0	41	46
		EGE30SG1 1/4V	30	42x2,0	1,1/4"	44,1	20,0	50	50
		EGE38SG1 1/2V	38	52x2,0	1,1/2"	50,5	22,0	55	60

DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E GUARNIZIONE PIANA

Filetto Metrico Cilindrico

MALE STUD COUPLING WITH SWIVEL NUT AND CAPTIVE SEAL

Metric Parallel Thread



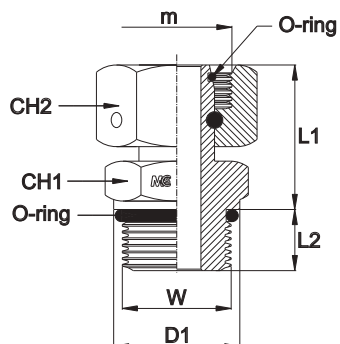
Serie Series	Bar W.P.	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	M	L1	L2	CH1	CH2	
L	315	EGE06LM101V	6	12x1,5	10x1,0	24,0	8,0	14	14	
		EGE08LM1215V	8	14x1,5	12x1,5	24,5	12,0	17	17	
		EGE10LM1415V	10	16x1,5	14x1,5	25,5	12,0	19	19	
		EGE12LM1615V	12	18x1,5	16x1,5	28,5	12,0	22	22	
		EGE15LM1815V	15	22x1,5	18x1,5	29,5	12,0	24	27	
		EGE18LM2215V	18	26x1,5	22x1,5	29,5	14,0	27	32	
	160	EGE22LM2615V	22	30x2,0	26x1,5	35,5	16,0	32	36	
		EGE28LM332V	28	36x2,0	33x2,0	32,5	18,0	41	41	
		EGE35LM422V	35	45x2,0	42x2,0	38,5	20,0	50	50	
		EGE42LM482V	42	52x2,0	48x2,0	41,6	22,0	55	60	
S	630	EGE06SM1215V	6	14x1,5	12x1,5	24,5	12,0	17	17	
		EGE08SM1415V	8	16x1,5	14x1,5	27,0	12,0	19	19	
		EGE10SM1615V	10	18x1,5	16x1,5	29,5	12,0	22	22	
		EGE12SM1815V	12	20x1,5	18x1,5	31,5	12,0	24	24	
		EGE14SM2015V	14	22x1,5	20x1,5	33,5	14,0	27	27	
	400	EGE16SM2215V	16	24x1,5	22x1,5	33,5	14,0	27	30	
		EGE20SM272V	20	30x2,0	27x2,0	39,0	16,0	32	36	
		EGE25SM332V	25	36x2,0	33x2,0	42,5	18,0	41	46	
		EGE30SM422V	30	42x2,0	42x2,0	44,5	20,0	50	50	
		315	EGE38SM482V	38	52x2,0	48x2,0	50,5	22,0	55	60

DIRITTO DI ESTREMITÀ CON DADO GIREVOLE E O-RING

Filetto UNF/UN-2A

MALE STUD COUPLING WITH SWIVEL NUT AND O-RING

Thread UNF/UN-2A



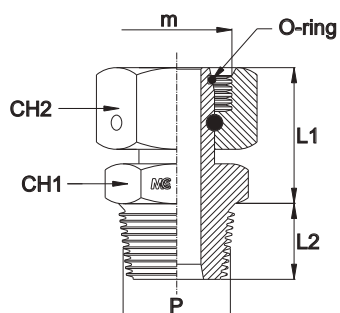
Serie Series	Bar W.P.	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	W	D1	L1	L2	CH1	CH2
L	315	EGE06L7/16UNF	6	12x1,5	7/16"-20	13,8	23,4	9,1	14	14
		EGE08L7/16UNF	8	14x1,5	7/16"-20	13,8	30,0	9,1	14	17
		EGE10L9/16UNF	10	16x1,5	9/16"-18	18,8	27,5	10,0	17	19
		EGE12L3/4UNF	12	18x1,5	3/4"-16	21,8	32,9	11,1	22	22
		EGE15L7/8UNF	15	22x1,5	7/8"-14	26,8	31,2	12,7	27	27
		EGE18L7/8UNF	18	26x1,5	7/8"-14	26,8	30,2	12,7	27	32
	160	EGE22L11/16UNF	22	30x2,0	1,1/16"-12	31,8	35,5	15,1	32	36
		EGE28L15/16UNF	28	36x2,0	1,5/16"-12	40,8	35,3	15,1	41	41
S	630	EGE06S7/16UNF	6	14x1,5	7/16"-20	13,8	27,5	9,1	14	17
		EGE08S9/16UNF	8	16x1,5	9/16"-18	18,8	29,0	10,0	17	19
		EGE10S9/16UNF	10	18x1,5	9/16"-18	18,8	31,5	10,0	17	22
		EGE12S3/4UNF	12	20x1,5	3/4"-16	21,8	32,3	11,1	22	24
	400	EGE14S7/8UNF	14	22x1,5	7/8"-14	26,8	34,8	12,7	27	27
		EGE16S7/8UNF	16	24x1,5	7/8"-14	26,8	34,8	12,7	27	30
		EGE20S11/16UNF	20	30x2,0	1,1/16"-12	31,8	39,8	15,1	32	36
		EGE25S15/16UNF	25	36x2,0	1,5/16"-12	40,8	45,3	15,1	41	46
		EGE30S15/8UNF	30	42x2,0	1,5/8"-12	49,8	49,0	15,1	50	50
		EGE38S17/8UNF	38	52x2,0	1,7/8"-12	54,8	57,4	15,1	55	60

DIRITTO DI ESTREMITÀ CON DADO GIREVOLE

Filetto NPT

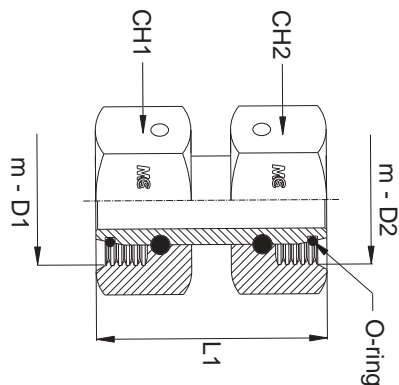
MALE STUD COUPLING WITH SWIVEL NUT

Thread NPT



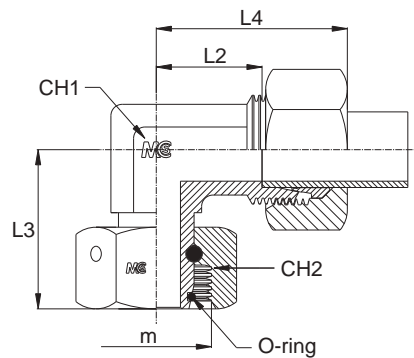
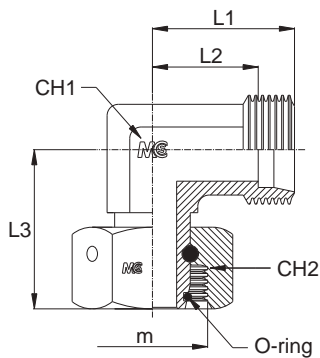
Serie Series	Bar W.P.	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	CH1	CH2
L	315	EGE06L1/8NPT	6	12x1,5	1/8"	23,0	10,0	14	14
		EGE08L1/4NPT	8	14x1,5	1/4"	25,0	15,0	14	17
		EGE10L1/4NPT	10	16x1,5	1/4"	23,5	15,0	14	19
		EGE12L3/8NPT	12	18x1,5	3/8"	29,5	15,0	19	22
		EGE15L1/2NPT	15	22x1,5	1/2"	27,0	19,5	22	27
		EGE18L1/2NPT	18	26x1,5	1/2"	26,0	19,5	24	30
	160	EGE22L3/4NPT	22	30x2,0	3/4"	32,5	20,0	27	36
		EGE28L1NPT	28	36x2,0	1"	29,5	25,0	36	41
		EGE35L11/4NPT	35	45x2,0	1,1/4"	35,2	25,5	46	50
		EGE42L11/2NPT	42	52x2,0	1,1/2"	38,6	26,0	50	60
S	630	EGE06S1/4NPT	6	14x1,5	1/4"	23,0	15,0	14	17
		EGE08S1/4NPT	8	16x1,5	1/4"	25,0	15,0	14	19
		EGE10S3/8NPT	10	18x1,5	3/8"	27,0	15,0	19	22
		EGE12S3/8NPT	12	20x1,5	3/8"	29,0	15,0	19	24
		EGE14S1/2NPT	14	22x1,5	1/2"	30,5	19,5	22	27
	400	EGE16S1/2NPT	16	24x1,5	1/2"	30,5	19,5	22	30
		EGE20S3/4NPT	20	30x2,0	3/4"	36,0	20,0	27	36
		EGE25S1NPT	25	36x2,0	1"	39,5	25,0	36	46
		EGE30S11/4NPT	30	42x2,0	1,1/4"	41,2	25,5	46	50
		EGE38S11/2NPT	38	52x2,0	1,1/2"	47,5	26,0	50	60

DIRITTO INTERMEDIO CON DADO GIREVOLE
STRAIGHT COUPLING WITH SWIVEL NUT



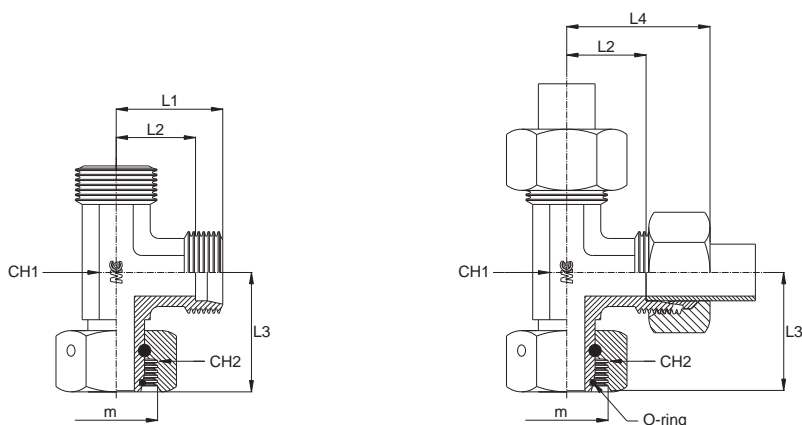
Serie Series	Bar W.P.	Cod. Completo Part N°Complete	Tube O.D.		m D1	m D2	L1	CH1	CH2
			D1	D2					
L	630	GZ06L	6	6	12x1,5	12x1,5	35	14	14
		GZ08L	8	8	14x1,5	14x1,5	38	17	17
		GZ10L	10	10	16x1,5	16x1,5	38	19	19
	450	GZ12L	12	12	18x1,5	18x1,5	39	22	22
		GZ15L	15	15	22x1,5	22x1,5	45	27	27
		GZ18L	18	18	26x1,5	26x1,5	43	32	32
	300	GZ22L	22	22	30x2	30x2	53	36	36
		GZ28L	28	28	36x2	36x2	47	41	41
		GZ35L	35	35	45x2	45x2	54	50	50
		GZ42L	42	42	52x2	52x2	54	60	60
S	900	GZ06S	6	6	14x1,5	14x1,5	37	17	17
		GZ08S	8	8	16x1,5	16x1,5	37	19	19
	800	GZ10S	10	10	18x1,5	18x1,5	39	22	22
		GZ12S	12	12	20x1,5	20x1,5	41	24	24
	700	GZ14S	14	14	22x1,5	22x1,5	42	27	27
		GZ16S	16	16	24x1,5	24x1,5	45	30	30
	420	GZ20S	20	20	30x2	30x2	53	36	36
		GZ25S	25	25	36x2	36x2	59	46	46
		GZ30S	30	30	42x2	42x2	61	50	50
		GZ38S	38	38	52x2	52x2	69	60	60
L	630	GZ0806L	8	6	14x1,5	12x1,5	38	17	14
		GZ1006L	10	6	16x1,5	12x1,5	38	19	14
	450	GZ1206L	12	6	18x1,5	12x1,5	39	22	14
		GZ1008L	10	8	16x1,5	14x1,5	38	19	17
	450	GZ1208L	12	8	18x1,5	14x1,5	39	22	17
		GZ1508L	15	8	22x1,5	14x1,5	42	27	17
		GZ1210L	12	10	18x1,5	16x1,5	39	22	19
		GZ1510L	15	10	22x1,5	16x1,5	42	27	19
		GZ1810L	18	10	26x1,5	16x1,5	41	32	19
		GZ1512L	15	12	22x1,5	18x1,5	42	27	22
	300	GZ1812L	18	12	26x1,5	18x1,5	41	32	22
		GZ2212L	22	12	30x2	18x1,5	46	36	22
	450	GZ1815L	18	15	26x1,5	22x1,5	44	32	27
		GZ2215L	22	15	30x2	22x1,5	49	36	27
	300	GZ2815L	28	15	36x2	22x1,5	46	41	27
		GZ2218L	22	18	30x2	26x1,5	48	36	32
		GZ2818L	28	18	36x2	26x1,5	45	41	32
		GZ3518L	35	18	45x2	26x1,5	48,5	50	32
		GZ2822L	28	22	36x2	30x2	50	41	36
		GZ3522L	35	22	45x2	30x2	53,5	50	36
GZ4222L		42	22	52x2	30x2	53,5	60	36	
GZ3528L		35	28	45x2	36x2	50,5	50	41	
GZ4228L		42	28	52x2	36x2	50,5	60	41	
GZ4235L		42	35	52x2	45x2	54	60	50	

GOMITO ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD ELBOW



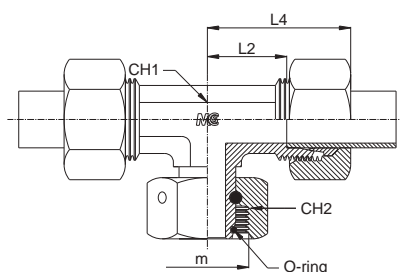
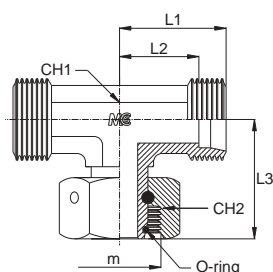
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	L3	L4	CH1	CH2
L	630	EW06LB	EW06L	6	12x1,5	19,0	12,0	24,5	27,0	12	14
		EW08LB	EW08L	8	14x1,5	21,0	14,0	26,0	29,0	12	17
		EW10LB	EW10L	10	16x1,5	22,0	15,0	28,0	30,0	14	19
	450	EW12LB	EW12L	12	18x1,5	24,0	17,0	28,5	32,0	17	22
		EW15LB	EW15L	15	22x1,5	28,0	21,0	34,0	36,0	19	27
		EW18LB	EW18L	18	26x1,5	31,0	23,5	36,0	40,0	27	32
	300	EW22LB	EW22L	22	30x2,0	35,0	27,5	40,5	44,0	27	36
		EW28LB	EW28L	28	36x2,0	38,0	30,5	41,5	47,0	36	41
		EW35LB	EW35L	35	45x2,0	45,0	34,5	51,0	56,0	41	50
EW42LB		EW42L	42	52x2,0	51,0	40,0	52,0	63,0	50	60	
S	900	EW06SB	EW06S	6	14x1,5	23,0	16,0	25,0	31,0	12	17
		EW08SB	EW08S	8	16x1,5	24,0	17,0	27,5	32,0	14	19
	800	EW10SB	EW10S	10	18x1,5	25,0	17,5	28,5	34,0	17	22
		EW12SB	EW12S	12	20x1,5	29,0	21,5	29,5	38,0	17	24
	700	EW14SB	EW14S	14	22x1,5	30,0	22,0	34,0	40,0	19	27
		EW16SB	EW16S	16	24x1,5	33,0	24,5	35,0	43,0	24	30
	650	EW20SB	EW20S	20	30x2,0	37,0	26,5	41,0	48,0	27	36
		EW25SB	EW25S	25	36x2,0	42,0	30,0	47,5	54,0	36	46
		EW30SB	EW30S	30	42x2,0	49,0	35,5	54,5	62,0	41	50
EW38SB		EW38S	38	52x2,0	57,0	41,0	54,0	72,0	50	60	

**“T” LATERALE ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD BARREL TEE**



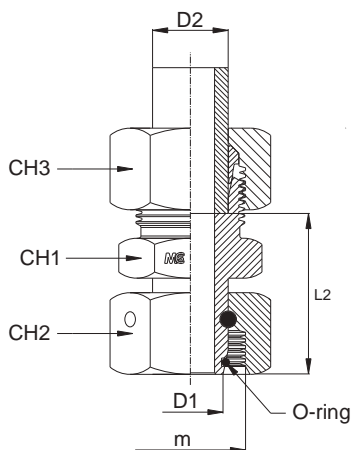
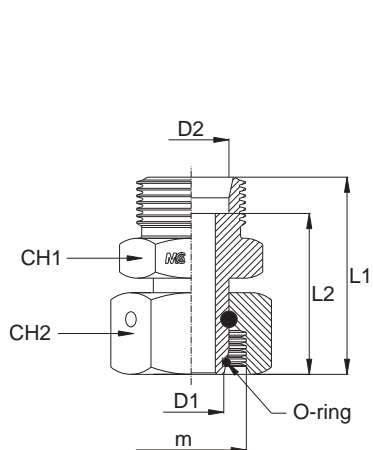
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	L3	L4	CH1	CH2
L	630	TLW06LB	TLW06L	6	12x1,5	19,0	12,0	24,5	27,0	12	14
		TLW08LB	TLW08L	8	14x1,5	21,0	14,0	26,0	29,0	12	17
		TLW10LB	TLW10L	10	16x1,5	22,0	15,0	28,0	30,0	14	19
	450	TLW12LB	TLW12L	12	18x1,5	24,0	17,0	28,5	32,0	17	22
		TLW15LB	TLW15L	15	22x1,5	28,0	21,0	34,0	36,0	19	27
		TLW18LB	TLW18L	18	26x1,5	31,0	23,5	36,0	40,0	27	32
	300	TLW22LB	TLW22L	22	30x2,0	35,0	27,5	40,5	44,0	27	36
		TLW28LB	TLW28L	28	36x2,0	38,0	30,5	41,5	47,0	36	41
		TLW35LB	TLW35L	35	45x2,0	45,0	34,5	51,0	56,0	41	50
TLW42LB		TLW42L	42	52x2,0	51,0	40,0	52,0	63,0	50	60	
S	900	TLW06SB	TLW06S	6	14x1,5	23,0	16,0	25,0	31,0	12	17
		TLW08SB	TLW08S	8	16x1,5	24,0	17,0	27,5	32,0	14	19
	800	TLW10SB	TLW10S	10	18x1,5	25,0	17,5	28,5	34,0	17	22
		TLW12SB	TLW12S	12	20x1,5	29,0	21,5	29,5	38,0	17	24
	700	TLW14SB	TLW14S	14	22x1,5	30,0	22,0	34,0	40,0	19	27
		TLW16SB	TLW16S	16	24x1,5	33,0	24,5	35,0	43,0	24	30
	650	TLW20SB	TLW20S	20	30x2,0	37,0	26,5	41,0	48,0	27	36
		TLW25SB	TLW25S	25	36x2,0	42,0	30,0	47,5	54,0	36	46
		TLW30SB	TLW30S	30	42x2,0	49,0	35,5	54,5	62,0	41	50
TLW38SB		TLW38S	38	52x2,0	57,0	41,0	54,0	72,0	50	60	
420		TLW30SB	TLW30S	30	42x2,0	49,0	35,5	54,5	62,0	41	50

**“T” CENTRALE ORIENTABILE CON DADO GIREVOLE
ADJUSTABLE MALE STUD BRANCH TEE**



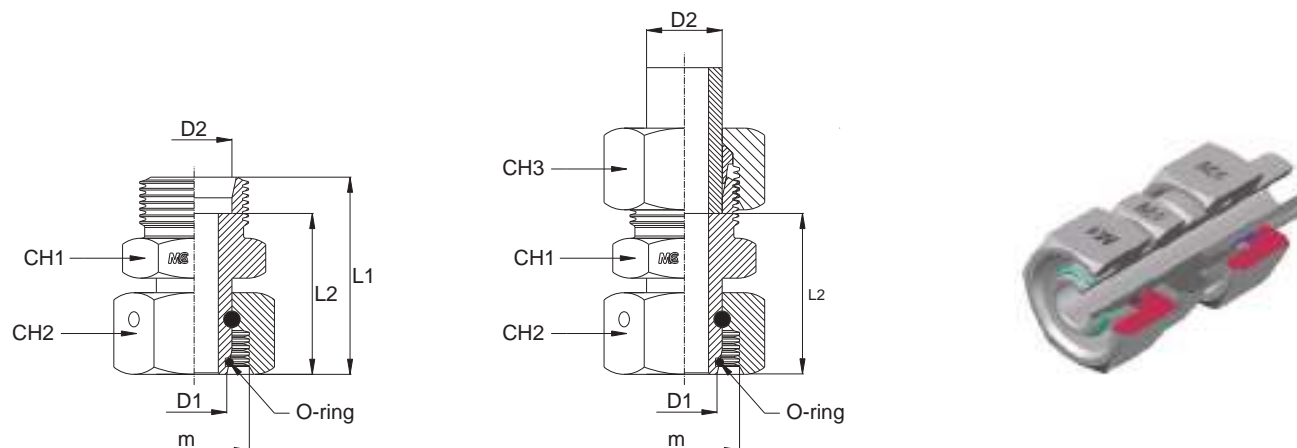
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	L3	L4	CH1	CH2
L	630	TCW06LB	TCW06L	6	12x1,5	19,0	12,0	24,5	27,0	12	14
		TCW08LB	TCW08L	8	14x1,5	21,0	14,0	26,0	29,0	12	17
		TCW10LB	TCW10L	10	16x1,5	22,0	15,0	28,0	30,0	14	19
	450	TCW12LB	TCW12L	12	18x1,5	24,0	17,0	28,5	32,0	17	22
		TCW15LB	TCW15L	15	22x1,5	28,0	21,0	34,0	36,0	19	27
		TCW18LB	TCW18L	18	26x1,5	31,0	23,5	36,0	40,0	27	32
		TCW22LB	TCW22L	22	30x2,0	35,0	27,5	40,5	44,0	27	36
	300	TCW28LB	TCW28L	28	36x2,0	38,0	30,5	41,5	47,0	36	41
		TCW35LB	TCW35L	35	45x2,0	45,0	34,5	51,0	56,0	41	50
		TCW42LB	TCW42L	42	52x2,0	51,0	40,0	52,0	63,0	50	60
S	900	TCW06SB	TCW06S	6	14x1,5	23,0	16,0	25,0	31,0	12	17
		TCW08SB	TCW08S	8	16x1,5	24,0	17,0	27,5	32,0	14	19
	800	TCW10SB	TCW10S	10	18x1,5	25,0	17,5	28,5	34,0	17	22
		TCW12SB	TCW12S	12	20x1,5	29,0	21,5	29,5	38,0	17	24
	700	TCW14SB	TCW14S	14	22x1,5	30,0	22,0	34,0	40,0	19	27
		TCW16SB	TCW16S	16	24x1,5	33,0	24,5	35,0	43,0	24	30
	650	TCW20SB	TCW20S	20	30x2,0	37,0	26,5	41,0	48,0	27	36
		TCW25SB	TCW25S	25	36x2,0	42,0	30,0	47,5	54,0	36	46
		TCW30SB	TCW30S	30	42x2,0	49,0	35,5	54,5	62,0	41	50
		TCW38SB	TCW38S	38	52x2,0	57,0	41,0	54,0	72,0	50	60
420											

RIDUZIONE A CODOLO CON DADO GIREVOLE - Serie L
REDUCING TUBE ADAPTER WITH SWIVEL NUT - L Series



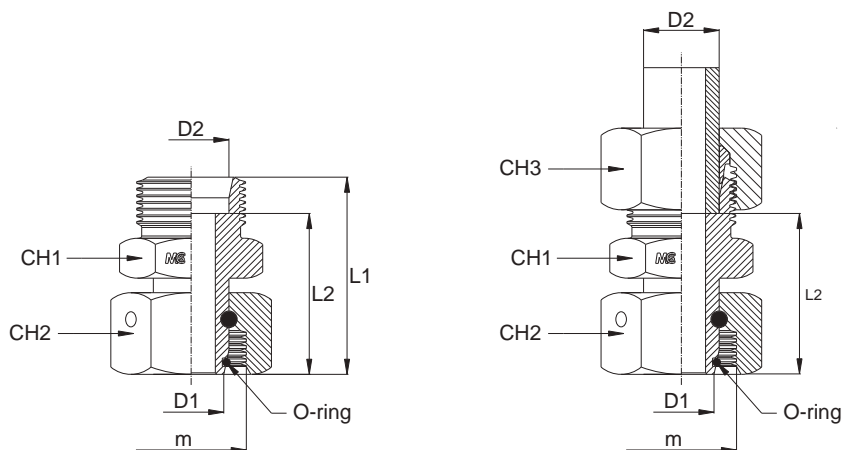
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	D1	D2	m	L1	L2	CH1	CH2	CH3	
L	630	RED0806LB	RED0806L	8	6	14x1,5	33,5	26,5	14	17	14	
		RED1006LB	RED1006L	10	6	16x1,5	33,5	26,5	14	19	14	
		RED1206LB	RED1206L	12	6	18x1,5	34,0	27,0	17	22	14	
	450	RED1506LB	RED1506L	15	6	22x1,5	37,0	30,0	19	27	14	
		RED1806LB	RED1806L	18	6	26x1,5	37,0	30,0	24	32	14	
		RED1008LB	RED1008L	10	8	16x1,5	33,5	26,5	14	19	17	
	630	RED1208LB	RED1208L	12	8	18x1,5	33,5	26,5	17	22	17	
		RED1508LB	RED1508L	15	8	22x1,5	37,0	30,0	19	27	17	
		RED1808LB	RED1808L	18	8	26x1,5	37,0	30,0	24	32	17	
		450	RED1210LB	RED1210L	12	10	18x1,5	35,0	28,0	17	22	19
			RED1510LB	RED1510L	15	10	22x1,5	38,0	31,0	19	27	19
			RED1810LB	RED1810L	18	10	26x1,5	38,0	31,0	24	32	19
			RED1512LB	RED1512L	15	12	22x1,5	38,0	31,0	19	27	22
			RED1812LB	RED1812L	18	12	26x1,5	38,0	31,0	24	32	22
			RED1815LB	RED1815L	18	15	26x1,5	39,0	32,0	24	32	27
	300	RED2206LB	RED2206L	22	6	30x2,0	42,0	35,0	27	36	14	
		RED2806LB	RED2806L	28	6	36x2,0	40,0	33,0	32	41	14	
		RED3506LB	RED3506L	35	6	45x2,0	44,5	37,5	41	50	14	
		RED4206LB	RED4206L	42	6	52x2,0	46,5	39,5	50	60	14	
		RED2208LB	RED2208L	22	8	30x2,0	42,0	35,0	27	36	17	
		RED2808LB	RED2808L	28	8	36x2,0	40,0	33,0	32	41	17	
		RED3508LB	RED3508L	35	8	45x2,0	44,5	37,5	41	50	17	
		RED4208LB	RED4208L	42	8	52x2,0	46,5	39,5	50	60	17	
		RED2210LB	RED2210L	22	10	30x2,0	43,0	36,0	27	36	19	
		RED2810LB	RED2810L	28	10	36x2,0	41,0	34,0	32	41	19	
		RED3510LB	RED3510L	35	10	45x2,0	45,5	38,5	41	50	19	
		RED4210LB	RED4210L	42	10	52x2,0	47,5	40,5	50	60	19	
		RED2212LB	RED2212L	22	12	30x2,0	43,0	36,0	27	36	22	
		RED2812LB	RED2812L	28	12	36x2,0	41,0	34,0	32	41	22	
		RED3512LB	RED3512L	35	12	45x2,0	45,5	38,5	41	50	22	
		RED4212LB	RED4212L	42	12	52x2,0	47,5	40,5	50	60	22	
		RED2215LB	RED2215L	22	15	30x2,0	44,0	37,0	27	36	27	
		RED2815LB	RED2815L	28	15	36x2,0	42,0	35,0	32	41	27	
		RED3515LB	RED3515L	35	15	45x2,0	46,5	39,5	41	50	27	
		RED4215LB	RED4215L	42	15	52x2,0	48,5	41,5	50	60	27	
		RED2218LB	RED2218L	22	18	30x2,0	44,0	36,5	27	36	32	
		RED2818LB	RED2818L	28	18	36x2,0	42,0	34,5	32	41	32	
		RED3518LB	RED3518L	35	18	45x2,0	46,5	39,0	41	50	32	
		RED4218LB	RED4218L	42	18	52x2,0	48,5	41,0	50	60	32	
		RED2822LB	RED2822L	28	22	36x2,0	44,0	36,5	32	41	36	
		RED3522LB	RED3522L	35	22	45x2,0	48,5	41,0	41	50	36	
		RED4222LB	RED4222L	42	22	52x2,0	50,5	43,0	50	60	36	
RED3528LB		RED3528L	35	28	45x2,0	48,5	41,0	41	50	41		
RED4228LB		RED4228L	42	28	52x2,0	50,5	43,0	50	60	41		
RED4235LB		RED4235L	42	35	52x2,0	52,5	42,0	50	60	50		

RIDUZIONE A CODOLO CON DADO GIREVOLE - Serie S
REDUCING TUBE ADAPTER WITH SWIVEL NUT - S Series



Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	D1	D2	m	L1	L2	CH1	CH2	CH3
S	800	RED0806SB	RED0806S	8	6	16x1,5	35,0	28,0	14	19	17
		RED1006SB	RED1006S	10	6	18x1,5	36,0	29,0	17	22	17
	700	RED1206SB	RED1206S	12	6	20x1,5	37,0	30,0	17	24	17
		RED1406SB	RED1406S	14	6	22x1,5	39,5	32,5	19	27	17
		RED1008SB	RED1008S	10	8	18x1,5	38,0	31,0	17	22	19
		RED1208SB	RED1208S	12	8	20x1,5	39,0	32,0	17	24	19
		RED1408SB	RED1408S	14	8	22x1,5	39,5	32,5	19	27	19
		RED1210SB	RED1210S	12	10	20x1,5	39,0	31,5	19	24	22
		RED1410SB	RED1410S	14	10	22x1,5	39,5	32,0	19	27	22
		RED1412SB	RED1412S	14	12	22x1,5	41,5	34,0	22	27	24
	650	RED1606SB	RED1606S	16	6	24x1,5	41,0	34,0	22	30	17
	420	RED2006SB	RED2006S	20	6	30x2,0	45,0	38,0	27	36	17
		RED2506SB	RED2506S	25	6	36x2,0	48,0	41,0	32	46	17
		RED3006SB	RED3006S	30	6	42x2,0	50,0	43,0	41	50	17
	650	RED1608SB	RED1608S	16	8	24x1,5	41,0	34,0	22	30	19
	420	RED2008SB	RED2008S	20	8	30x2,0	45,0	38,0	27	36	19
		RED2508SB	RED2508S	25	8	36x2,0	48,0	41,0	32	46	19
		RED3008SB	RED3008S	30	8	42x2,0	50,0	43,0	41	50	19
	650	RED1610SB	RED1610S	16	10	24x1,5	41,0	33,5	22	30	22
	420	RED2010SB	RED2010S	20	10	30x2,0	45,0	37,5	27	36	22
		RED2510SB	RED2510S	25	10	36x2,0	48,0	40,5	32	46	22
	650	RED1612SB	RED1612S	16	12	24x1,5	43,0	35,5	22	30	24
	420	RED2012SB	RED2012S	20	12	30x2,0	47,0	39,5	27	36	24
		RED2512SB	RED2512S	25	12	36x2,0	50,0	42,5	32	46	24
		RED3012SB	RED3012S	30	12	42x2,0	51,0	43,5	41	50	24
	650	RED1614SB	RED1614S	16	14	24x1,5	45,0	37,0	24	30	27
	420	RED2014SB	RED2014S	20	14	30x2,0	49,0	41,0	27	36	27
		RED2514SB	RED2514S	25	14	36x2,0	52,0	44,0	32	46	27
		RED2016SB	RED2016S	20	16	30x2,0	49,0	40,5	27	36	30
		RED2516SB	RED2516S	25	16	36x2,0	52,0	43,5	32	46	30
		RED3016SB	RED3016S	30	16	42x2,0	53,0	44,5	41	50	30
		RED2520SB	RED2520S	25	20	36x2,0	56,0	45,5	32	46	36
		RED3020SB	RED3020S	30	20	42x2,0	57,0	46,5	41	50	36
		RED3820SB	RED3820S	38	20	52x2,0	66,0	55,5	50	60	36
		RED3025SB	RED3025S	30	25	42x2,0	61,0	49,0	41	50	46
		RED3806SB	RED3806S	38	6	52x2,0	55,0	48,0	50	60	17
		RED3808SB	RED3808S	38	8	52x2,0	55,0	48,0	50	60	19
		RED3812SB	RED3812S	38	12	52x2,0	55,0	47,5	50	60	24
		RED3816SB	RED3816S	38	16	52x2,0	57,0	48,5	50	60	30
		RED3825SB	RED3825S	38	25	52x2,0	65,0	53,0	50	60	46
RED3830SB		RED3830S	38	30	52x2,0	67,0	53,5	50	60	50	
RED3010SB		RED3010S	30	10	42x2,0	51,0	43,5	41	50	22	
RED3810SB	RED3810S	38	10	52x2,0	55,0	47,5	50	60	22		
RED3014SB	RED3014S	30	14	42x2,0	53,0	45,0	41	50	27		
RED3814SB	RED3814S	38	14	52x2,0	57,0	49,0	50	60	27		

ADATTATORE A CODOLO CON DADO GIREVOLE - Serie L/S
TUBE ADAPTER WITH SWIVEL NUT - L/S Series



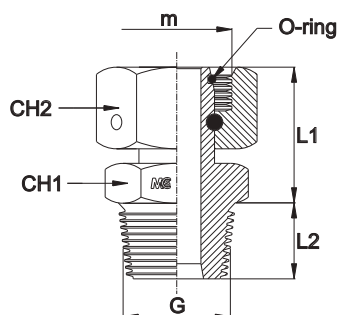
Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	L1	L2	CH1	CH2	CH3
L	630	EGE06LB	EGE06L	6	12x1,5	31,5	24,5	14	14	14
		EGE08LB	EGE08L	8	14x1,5	33,5	26,5	14	17	17
		EGE10LB	EGE10L	10	16x1,5	36,5	29,5	17	19	19
	450	EGE12LB	EGE12L	12	18x1,5	37,0	30,0	19	22	22
		EGE15LB	EGE15L	15	22x1,5	41,0	34,0	24	27	27
		EGE18LB	EGE18L	18	26x1,5	41,0	33,5	27	32	32
	300	EGE22LB	EGE22L	22	30x2,0	48,5	41,0	32	36	36
		EGE28LB	EGE28L	28	36x2,0	46,0	38,5	41	41	41
		EGE35LB	EGE35L	35	45x2,0	52,5	42,0	46	50	50
EGE42LB		EGE42L	42	52x2,0	53,5	42,5	55	60	60	
S	900	EGE06SB	EGE06S	6	14x1,5	35,0	28,0	14	17	17
		EGE08SB	EGE08S	8	16x1,5	37,0	30,0	17	19	19
	800	EGE10SB	EGE10S	10	18x1,5	38,0	30,5	19	22	22
		EGE12SB	EGE12S	12	20x1,5	41,0	33,5	22	24	24
	700	EGE14SB	EGE14S	14	22x1,5	43,5	35,5	24	27	27
		EGE16SB	EGE16S	16	24x1,5	45,0	36,5	27	30	30
	650	EGE20SB	EGE20S	20	30x2,0	53,0	42,5	32	36	36
		EGE25SB	EGE25S	25	36x2,0	60,0	48,0	41	46	46
		EGE30SB	EGE30S	30	42x2,0	63,0	49,5	46	50	50
EGE38SB		EGE38S	38	52x2,0	72,0	56,0	55	60	60	
420		EGE30SB	EGE30S	30	42x2,0	63,0	49,5	46	50	50

DIRITTO DI ESTREMITÀ CON DADO GIREVOLE

Filetto Gas Conico

MALE STUD COUPLING WITH SWIVEL NUT

BSP Taper Thread



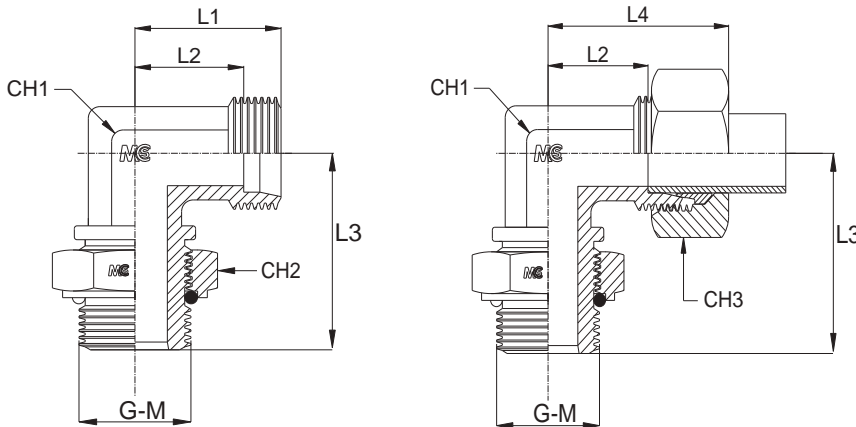
Serie Series	Bar W.P.	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	CH1	CH2	
L	315	EGE06L1/8BSPT	6	12x1,5	1/8"	22,0	8,0	14	14	
		EGE08L1/4BSPT	8	14x1,5	1/4"	23,5	12,0	14	17	
		EGE10L1/4BSPT	10	16x1,5	1/4"	23,5	12,0	14	19	
		EGE12L3/8BSPT	12	18x1,5	3/8"	24,5	12,0	19	22	
		EGE15L1/2BSPT	15	22x1,5	1/2"	27,0	14,0	22	27	
		EGE18L1/2BSPT	18	26x1,5	1/2"	27,0	14,0	24	30	
	160	EGE22L3/4BSPT	22	30x2,0	3/4"	32,0	16,0	27	36	
		EGE28L1BSPT	28	36x2,0	1"	30,0	18,0	36	41	
		EGE35L11/4BSPT	35	45x2,0	1,1/4"	34,5	20,0	46	50	
		EGE42L11/2BSPT	42	52x2,0	1,1/2"	36,5	22,0	50	60	
S	630	EGE06S1/4BSPT	6	14x1,5	1/4"	23,0	12,0	14	17	
		EGE08S1/4BSPT	8	16x1,5	1/4"	25,0	12,0	14	19	
		EGE10S3/8BSPT	10	18x1,5	3/8"	26,0	12,0	19	22	
		EGE12S3/8BSPT	12	20x1,5	3/8"	29,0	12,0	19	24	
		EGE14S1/2BSPT	14	22x1,5	1/2"	29,5	14,0	22	27	
	400	EGE16S1/2BSPT	16	24x1,5	1/2"	31,0	14,0	22	30	
		EGE20S3/4BSPT	20	30x2,0	3/4"	37,0	16,0	27	36	
		EGE25S1BSPT	25	36x2,0	1"	42,0	18,0	36	46	
		EGE30S11/4BSPT	30	42x2,0	1,1/4"	43,0	20,0	46	50	
		315	EGE38S11/2BSPT	38	52x2,0	1,1/2"	50,0	22,0	50	60

GOMITO ORIENTABILE con o'ring e Rondella Speciale

Filetto Gas Cilindrico - Metrico Cilindrico

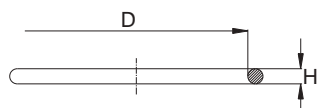
ADJUSTABLE MALE STUD ELBOW with o'ring and Special Washer

BSP Parallel Thread - Metric Parallel Thread



Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	G	L1	L2	L3	L4	CH1	CH2	CH3
L	315	EW06LG1/8ADJB	EW06LG1/8ADJ	6	12x1,5	1/8"	19,0	12,0	26,0	27,0	12	14	14
		EW08LG1/4ADJB	EW08LG1/4ADJ	8	14x1,5	1/4"	21,0	14,0	32,0	29,0	14	19	17
		EW10LG1/4ADJB	EW10LG1/4ADJ	10	16x1,5	1/4"	22,0	15,0	32,0	30,0	14	19	19
	250	EW12LG3/8ADJB	EW12LG3/8ADJ	12	18x1,5	3/8"	24,0	17,0	37,0	32,0	19	22	22
		EW15LG1/2ADJB	EW15LG1/2ADJ	15	22x1,5	1/2"	28,0	21,0	44,0	36,0	19	27	27
		EW18LG1/2ADJB	EW18LG1/2ADJ	18	26x1,5	1/2"	31,0	23,5	47,0	40,0	24	27	32
	160	EW22LG3/4ADJB	EW22LG3/4ADJ	22	30x2,0	3/4"	35,0	27,5	51,0	44,0	27	36	36
		EW28LG1ADJB	EW28LG1ADJ	28	36x2,0	1"	38,0	30,5	53,0	47,0	33	41	41
		EW35LG11/4ADJB	EW35LG11/4ADJ	35	45x2,0	1"1/4	45,0	34,5	59,0	56,0	41	50	50
		EW42LG11/2ADJB	EW42LG11/2ADJ	42	52x2,0	1"1/2	51,0	40,0	64,0	63,0	48	55	60
S	315	EW06SG1/4ADJB	EW06SG1/4ADJ	6	14x1,5	1/4"	23,0	16,0	32,0	31,0	14	19	17
		EW08SG1/4ADJB	EW08SG1/4ADJ	8	16x1,5	1/4"	24,0	17,0	32,0	32,0	14	19	19
	250	EW10SG3/8ADJB	EW10SG3/8ADJ	10	18x1,5	3/8"	25,0	17,5	37,0	34,0	19	22	22
		EW12SG3/8ADJB	EW12SG3/8ADJ	12	20x1,5	3/8"	29,0	21,5	37,0	38,0	19	22	24
		EW14SG1/2ADJB	EW14SG1/2ADJ	14	22x1,5	1/2"	30,0	22,0	44,0	40,0	22	27	27
		EW16SG1/2ADJB	EW16SG1/2ADJ	16	24x1,5	1/2"	33,0	24,5	47,0	43,0	27	27	30
	200	EW20SG3/4ADJB	EW20SG3/4ADJ	20	30x2,0	3/4"	37,0	26,5	51,0	48,0	27	36	36
		EW25SG1ADJB	EW25SG1ADJ	25	36x2,0	1"	42,0	30,0	53,0	54,0	33	41	46
	200	EW30SG11/4ADJB	EW30SG11/4ADJ	30	42x2,0	1"1/4	49,0	35,5	59,0	62,0	41	50	50
		EW38SG11/2ADJB	EW38SG11/2ADJ	38	52x2,0	1"1/2	57,0	41,0	64,0	72,0	48	55	60

Serie Series	Bar W.P.	Codice (Corpo) Part Number (Body)	Codice (Completo) Part Number (Complete)	Ø Est. Tubo Tube O.D.	m	M	L1	L2	L3	L4	CH1	CH2	CH3
L	315	EW06LM101ADJB	EW06LM101ADJ	6	12x1,5	10x1	19,0	12,0	26,0	27,0	12	14	14
		EW08LM1215ADJB	EW08LM1215ADJ	8	14x1,5	12x1,5	21,0	14,0	31,0	29,0	14	17	17
		EW10LM1415ADJB	EW10LM1415ADJ	10	16x1,5	14x1,5	22,0	15,0	33,0	30,0	14	19	19
	250	EW12LM1615ADJB	EW12LM1615ADJ	12	18x1,5	16x1,5	24,0	17,0	38,0	32,0	19	22	22
		EW15LM1815ADJB	EW15LM1815ADJ	15	22x1,5	18x1,5	28,0	21,0	40,0	36,0	19	24	27
		EW18LM2215ADJB	EW18LM2215ADJ	18	26x1,5	22x1,5	31,0	23,5	46,0	40,0	24	27	32
		EW22LM272ADJB	EW22LM272ADJ	22	30x2,0	27x2	35,0	27,5	50,5	44,0	27	32	36
160	EW28LM332ADJB	EW28LM332ADJ	28	36x2,0	33x2	38,0	30,5	52,5	47,0	33	41	41	
	EW35LM422ADJB	EW35LM422ADJ	35	45x2,0	42x2	45,0	34,5	58,0	56,0	41	50	50	
	EW42LM482ADJB	EW42LM482ADJ	42	52x2,0	48x2	51,0	40,0	63,0	63,0	48	55	60	
S	315	EW06SM1215ADJB	EW06SM1215ADJ	6	14x1,5	12x1,5	23,0	16,0	31,0	31,0	14	17	17
		EW08SM1415ADJB	EW08SM1415ADJ	8	16x1,5	14x1,5	24,0	17,0	33,0	32,0	14	19	19
		EW10SM1615ADJB	EW10SM1615ADJ	10	18x1,5	16x1,5	25,0	17,5	38,0	34,0	19	22	22
		EW12SM1815ADJB	EW12SM1815ADJ	12	20x1,5	18x1,5	29,0	21,5	38,0	38,0	19	24	24
	250	EW14SM2015ADJB	EW14SM2015ADJ	14	22x1,5	20x1,5	30,0	22,0	44,0	40,0	22	27	27
		EW16SM2215ADJB	EW16SM2215ADJ	16	24x1,5	22x1,5	33,0	24,5	48,0	43,0	27	27	30
		EW20SM272ADJB	EW20SM272ADJ	20	30x2,0	27x2	37,0	26,5	50,5	48,0	27	32	36
	200	EW25SM332ADJB	EW25SM332ADJ	25	36x2,0	33x2	42,0	30,0	52,5	54,0	33	41	46
		EW30SM422ADJB	EW30SM422ADJ	30	42x2,0	42x2	49,0	35,5	58,0	62,0	41	50	50
	160	EW38SM482ADJB	EW38SM482ADJ	38	52x2,0	48x2	57,0	41,0	63,0	72,0	48	55	60

O'RING
O'RING

NBR



VITON®



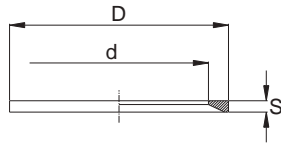
Guarnizione NBR	Guarnizione VITON®	D	H
GOR041	GOR041V	4,00	1,00
GOR0415	GOR0415V	4,00	1,50
GOR061	GOR061V	6,00	1,00
GOR0615	GOR0615V	6,00	1,50
GOR4515	GOR4515V	4,50	1,50
GOR797188	GOR797188V	7,97	1,88
GO081	GO081V	8,00	1,00
GOR8116	GOR8116V	8,10	1,60
GOR892183	GOR892183V	8,92	1,83
GOR0915	GOR0915V	9,00	1,50
GOR9322	GOR9322V	9,30	2,20
GOR101	GOR101V	10,00	1,00
GOR102	GOR102V	10,00	2,00
GOR1052193	GOR1052193V	10,52	1,93
GOR1077262	GOR1077262V	10,77	2,62
GOR11322	GOR11322V	11,30	2,20
GOR119198	GOR119198V	11,90	1,98
GOR121	GOR121V	12,00	1,00
GOR122	GOR122V	12,00	2,00
GOR13322	GOR13322V	13,30	2,20
GOR1394262	GOR1394262V	13,94	2,62
GOR141	GOR141V	14,00	1,00
GOR151	GOR151V	15,00	1,00
GOR152	GOR152V	15,00	2,00
GOR15322	GOR15322V	15,30	2,20
GOR161	GOR161V	16,00	1,00
GOR16324	GOR16324V	16,30	2,40
GOR163622	GOR163622V	16,36	2,20
GOR1786262	GOR1786262V	17,86	2,62
GOR181	GOR181V	18,00	1,00
GOR1918246	GOR1918246V	19,18	2,46
GOR19322	GOR19322V	19,30	2,20
GOR201	GOR201V	20,00	1,00
GOR202	GOR202V	20,00	2,00
GOR20324	GOR20324V	20,30	2,40

Guarnizione NBR	Guarnizione VITON®	D	H
GOR221	GOR221V	22,00	1,00
GOR2347262	GOR2347262V	23,47	2,62
GOR2347295	GOR2347295V	23,47	2,95
GOR236029	GOR236029V	23,60	2,90
GOR251	GOR251V	25,00	1,00
GOR25324	GOR25324V	25,30	2,40
GOR262	GOR262V	26,00	2,00
GOR281	GOR281V	28,00	1,00
GOR29629	GOR29629V	29,60	2,90
GOR2974295	GOR2974295V	29,74	2,95
GOR2974353	GOR2974353V	29,74	3,53
GOR301	GOR301V	30,00	1,00
GOR3225	GOR3225V	32,00	2,50
GOR33324	GOR33324V	33,30	2,40
GOR351	GOR351V	35,00	1,00
GOR37463	GOR37463V	37,46	3,00
GOR3769353	GOR3769353V	37,69	3,53
GOR381	GOR381V	38,00	1,00
GOR3825	GOR3825V	38,00	2,50
GOR38629	GOR38629V	38,60	2,90
GOR421	GOR421V	42,00	1,00
GOR43693	GOR43693V	43,69	3,00
GOR4404353	GOR4404353V	44,04	3,53
GOR44629	GOR44629V	44,60	2,90
GOR5556353	GOR5556353V	55,56	3,53
GOR60262	GOR60262V	60,00	2,62
GOR0405	GOR0405V	4,00	0,50
GOR5505	GOR5505V	5,50	0,50
GOR705	GOR705V	7,00	0,50
GOR1005	GOR1005V	10,00	0,50
GOR1305	GOR1305V	13,00	0,50
GOR1605	GOR1605V	16,00	0,50
GOR481	GOR481V	48,00	1,00
GOR17322	GOR17322V	17,30	2,20

NOTE: VITON® è un marchio registrato dalla DuPont Dow Elastomers
NOTE: VITON® is a DuPont Dow Elastomers Trade Mark

GUARNIZIONE PIANA CAPTIVE SEAL

VITON®



Guarnizione VITON®	M	G	D	d	s
GTZ81V	8x1,0	-	9,9	6,5	1,0
GTZ02V	10x1,0	1/8"	11,4	8,4	1,0
GTZ1215V	12x1,5	-	14,9	9,8	1,5
GTZ04V	14x1,5	1/4"	16,5	11,6	1,5
GTZ1615V	16x1,5	-	18,9	13,8	1,5
GTZ06V	-	3/8"	18,9	14,7	1,5
GTZ1815V	18x1,5	-	20,9	15,7	1,5
GTZ2015V	20x1,5	-	22,9	17,8	1,5
GTZ08V	-	1/2"	23,9	18,5	1,5
GTZ2215V	22x1,5	-	24,9	19,6	1,5
GTZ12V	26x1,5	3/4"	29,2	23,9	1,5
	27x2,0				
GTZ16V	33x2,0	1"	35,7	29,7	2,0
GTZ20V	42x2,0	1,1/4"	45,8	38,8	2,0
GTZ24V	48x2,0	1,1/2"	50,7	44,7	2,0
GTZ32V	-	2"	63,5	56,5	2,0

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RONDELLA BONDED AUTOCENTRANTE

AISI 316

SELF CENTERING BONDED

AISI 316



Codice Code	Dn	De mm	Dm mm	Di mm	S mm	Min. B.P. BAR
BSSC02	1/8"	15,88	11,84	10,37	2,03	1480
BSSC04	1/4"	20,57	15,21	13,74	2,03	1540
BSSC06	3/8"	23,8	18,75	17,28	2,03	1230
BSSC08	1/2"	25,58	23,01	21,54	2,50	1120
BSSC10	5/8"	31,58	24,97	23,49	2,50	1240
BSSC12	3/4"	34,93	28,53	27,05	2,50	1050
BSSC16	1"	42,8	36,88	33,89	2,50	780
BSSC20	1,1/4"	52,38	45,93	42,93	2,50	690
BSSC24	1,1/2"	58,6	51,39	48,44	2,50	690
BSSC32	2"	73,03	63,63	60,58	2,50	680

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MCS

HYDRAULICS

Adattatori - Adaptors
SAE J514 - Iso 8434-2



Collezione - Collection
2019

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COPPIE DI SERRAGGIO
Torque Wrench
RACCORDI SU TUBAZIONI
Nut on Tube

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COPPIE DI SERRAGGIO
Torque Wrench
RACCORDI SAE J514 CON FILETTO GAS CILINDRICO
Stud Ends SAE J514 with BSP Thread

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COPPIE DI SERRAGGIO
Torque Wrench
RACCORDI SAE J514 CON FILETTO METRICO CILINDRICO
Stud Ends SAE J514 with Metric Thread

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COPPIE DI SERRAGGIO
Torque wrench
RACCORDI SAE J514 CON FILETTO UNF/UN-2A
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Thread Coupling - BSP Thread

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SEDI E FILETTATURE METRICHE
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OGIVA PER TUBO
METRICO (JS) ED IN POLLICI (JSI)
SLEEVE FOR 37° COUPLINGS FOR
METRIC (JS) AND INCHES (JSI)



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DADO JIC PER OGIVA
NUT FOR 37° COUPLINGS



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ADATTATORE MASCHIO
BOTH JIC MALE 74° CONE ADAPTOR



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RIDUZIONE MASCHIO/MASCHIO
REDUCING ADAPTOR MALE/MALE



Cod. JMRA..

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ADATTATORE MASCHIO/MASCHIO
Filetto Gas Cilindrico
ADAPTOR MALE/MALE
Thread BSP Parallel



Cod. JBSPMA..

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ADATTATORE MASCHIO/MASCHIO
CON GUARNIZIONE INCASSATA
Filetto Gas Cilindrico
ADAPTOR MALE/MALE
WITH CAPTIVE SEAL
Thread BSP Parallel



Cod. JBSPMA..V

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ADATTATORE MASCHIO/MASCHIO
Filetto Gas Conico
ADAPTOR MALE/MALE
Thread BSP Taper



Cod. JBSPMA..

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ADATTATORE MASCHIO/MASCHIO
Filetto NPT
ADAPTOR MALE/MALE
Thread NPT

Cod. JNPTMA..

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**ADATTATORE MASCHIO/MASCHIO
CON O'RING**
Filetto UNF/UN-2A
ADAPTOR MALE/MALE WITH O'RING
Thread UNF/UN-2A

Cod. JUNFMA..

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ADATTATORE MASCHIO/MASCHIO
Filetto Metrico
ADAPTOR MALE/MALE
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Cod. JMMA..

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**ADATTATORE MASCHIO/MASCHIO
CON GUARNIZIONE INCASSATA**
Filetto Metrico
**ADAPTOR MALE/MALE
WITH CAPTIVE SEAL**
Thread Metric

Cod. JMMA..V

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PASSAPARETE CON DADO
BULKHEAD ADAPTOR WITH NUT

Cod. JBMA..

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**ADATTATORE
MASCHIO/FEMMINA FISSA**
ADAPTOR MALE/FIXED FEMALE

Cod. JMFFA..

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**ADATTATORE
MASCHIO/FEMMINA FISSA**
Filetto Gas Cilindrico
ADAPTOR MALE/FIXED FEMALE
Thread BSP Parallel

Cod. JBSPMFFA..

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**ADATTATORE
MASCHIO/FEMMINA FISSA**
Filetto NPT
ADAPTOR MALE/FIXED FEMALE
Thread NPT

Cod. JNPTMFFA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE**
JIC MALE/SWIVEL FEMALE ADAPTOR

Cod. JMSFA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE**
Filetto Gas Cilindrico
MALE/SWIVEL FEMALE ADAPTOR
Thread BSP Parallel

Cod. JBSPSFMA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE
CON GUARNIZIONE INCASSATA**
Filetto Gas Cilindrico
**MALE/SWIVEL FEMALE ADAPTOR
WITH CAPTIVE SEAL**
Thread BSP Parallel
Cod. JBSPSFMA..V

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE**
Filetto Gas Conico
MALE/SWIVEL FEMALE ADAPTOR
Thread BSP Taper

Cod. JBSPSFMA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE**
Filetto NPT
MALE/SWIVEL FEMALE ADAPTOR
Thread NPT

Cod. JNPTSFMA..

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**ADATTATORE MASCHIO/FEMMINA
GIREVOLE CON O'RING**
Filetto UNF/UN-2A
**MALE/SWIVEL FEMALE ADAPTOR
WITH O'RING**
BSP Parallel Thread

Cod. JUNFSFMA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE**
Filetto Metrico
MALE/SWIVEL FEMALE ADAPTOR
Thread Metric

Cod. JMSFMA..

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**ADATTATORE
MASCHIO/FEMMINA GIREVOLE
CON GUARNIZIONE INCASSATA**
Filetto Metrico
**MALE/SWIVEL FEMALE ADAPTOR
WITH CAPTIVE SEAL**
Thread Metric
Cod. JMSFMA..V

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**ADATTATORE A 90°
MASCHIO**
MALE EQUAL ELBOW

Cod. LJMA..

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**ADATTATORE A 90°
MASCHIO**
Filetto Gas Conico
MALE STUD ELBOW
Thread BSP Taper

Cod. LJBSPTMA..

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**ADATTATORE A 90°
MASCHIO**
Filetto NPT
MALE STUD ELBOW
Thread NPT

Cod. LJNPTMA..

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**ADATTATORE A 90°
MASCHIO/FEMMINA FISSA**
Filetto Gas Cilindrico
MALE/FEMALE STUD ELBOW
Thread BSP Parallel

Cod. LJBSPMFFA..

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**ADATTATORE A 90°
MASCHIO/FEMMINA FISSA**
Filetto NPT
MALE/FEMALE STUD ELBOW
Thread NPT

Cod. LJNPTMFFA..

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**ADATTATORE A 90° A CODOLO
STUD STANDPIPE ELBOW**

Cod. LJWMA..

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**ADATTATORE A 90°
A SALDARE FEMMINA**
JIC WELDING FEMALE STUD ELBOW

Cod. LJWMA..T..

Pag. 6.52



**ADATTATORE A 90°
MASCHIO FEMMINA GIREVOLE**
MALE/SWIVEL FEMALE STUD ELBOW

Cod. LJMSFA..

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ADATTATORE A 90°
FEMMINA GIREVOLE
SWIVEL FEMALE EQUAL ELBOW

ADATTATORE FEMMINA GIREVOLE
BOTH SWIVEL FEMALE ADAPTOR

Cod. LJSFA..
Cod. JSFA..

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PASSAPARETE A 90° CON DADO
BULKHEAD MALE ELBOW (WITH NUT)

Cod. LJBMA..

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ADATTATORE A "T" MASCHIO
MALE EQUAL TEE

Cod. TJMA..

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ADATTATORE A "T" LATERALE MAS.
Filetto Gas Conico e NPT
MALE STUD BARREL TEE
Thread BSP Taper and NPT

Cod. TLJSPTMA.. - TLJNPTMA..

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ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA FISSA
Filetto Gas Cilindrico
MALE/FEMALE STUD BARREL TEE
Thread BSP Parallel

Cod. TLJBSPMFFA..

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ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA FISSA
Filetto NPT
MALE/FEMALE STUD BARREL TEE
Thread NPT

Cod. TLJNPTMFFA..

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ADATTATORE A "T" LATERALE
MASCHIO/FEMMINA GIREVOLE
MALE/SWIVEL FEMALE
STUD BARREL TEE

Cod. TLJMSFA..

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ADATTATORE A "T" CENTRALE
Filetto Gas Conico e NPT
MALE STUD BRANCH TEE
Thread BSP Taper and NPT

Cod. TCJSPTMA.. - TCJNPTMA..

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ADATTATORE A "T" CENTRALE
MASCHIO/FEMMINA FISSA
Filetto Gas Cilindrico
MALE/FEMALE STUD BRANCH TEE
Thread BSP Parallel

Cod. TCJBSPMFFA..

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ADATTATORE A "T" CENTRALE
MASCHIO/FEMMINA FISSA
Filetto NPT
MALE/FEMALE STUD BRANCH TEE
Thread NPT

Cod. TCJNPTMFFA..

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ADATTATORE "T" CENTRALE
MASCHIO/FEMMINA GIREVOLE
MALE/SWIVEL FEMALE
STUD BRANCH TEE

Cod. TCJMSFA..

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ADATTATORE A CROCE MASCHIO
MALE EQUAL CROSS

Cod. CRJMA..

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**ADATTATORE MASCHIO JIC
A SALDARE (CON TASCA)
JIC MALE SOCKETWELD ADAPTOR**

Cod. JWMA..T..

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**TAPPO MASCHIO
MALE HEAD PLUG**

Cod. JMHP..

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**TAPPO MASCHIO AD ESAGONO
INCASSATO CON O'RING
MALE PLUG INTERNAL HEXAGON
WITH O'RING**

Cod. UNFMIP..

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**TAPPO FEMMINA GIREVOLE
SWIVEL FEMALE PLUG**

Cod. JSFHP..

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**CONTRODADO PER PASSAPARETE
LOCKNUT FOR BULKHEAD**

Cod. JLN..

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INFORMAZIONE SUI PRODOTTI E DATI GENERALI *General Information*

I raccordi M.C.S. Hydraulics a norme ISO 8434-2/SAE J514 sono raccordi di tipo meccanico.

Questi raccordi garantiscono un perfetto collegamento tra circuiti fluidodinamici, grazie alla tenuta metallo su metallo di due superfici coniche.

La perfetta conicità delle svasature garantisce un'indeformabilità dei componenti. grazie a queste sue caratteristiche, questo raccordo può essere impiegato ovunque vengano richieste prestazioni importanti.

M.C.S. Hydraulics couplings, realized according to ISO 8434-2/SAE J514, are mechanical couplings.

They guarantee a perfect connection among fluid-dynamic circuits, thanks to metal to metal sealing between two taper parallel couplings.

The perfect taper of the countersinks guarantees inalterability to the components. Thanks to its features, this coupling can be used in every important performance.

ACCIAI IMPIEGATI

Steel Used on all Series

Componenti <i>Components</i>	Materiale - Material		Normativa <i>Reference Norm.</i>
Anello - Ring	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Dado - Nut	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo da barra Straight Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088
Corpo forgiato Forged Body	X6CrNiMoTi17-12-2 (1,4571)	X2CrNiMoTi17-12-2 (1,4404)	DIN 17440
			EN 10088

TRATTAMENTO DI FINITURA

Cleaning Process

Processo di Lavaggio ad Ultrasuoni:

Tutti gli articoli prodotti dalla M.C.S. Hydraulics sono sottoposti ad un trattamento di lavaggio ed asciugatura ad ultrasuoni.

La M.C.S. Hydraulics utilizza un sistema di vasche di lavaggio ad ultrasuoni doppia frequenza con moduli di risciacquo ed asciugatura; le bolle di cavitazione generate dalle onde ultrasoniche, consentono la rimozione di impurità e residui, come polvere, olii, grassi, trucioli e bave di lavorazione che aderiscano alla superficie metallica, senza peraltro intaccare il materiale stesso.

La tecnologia del lavaggio con ultrasuoni è molto diffusa come sistema per la pulizia di gioielleria, nonché di dispositivi medici ed odontoiatrici e viene sempre più spesso utilizzata per il lavaggio industriale: al termine di tale processo il raccordo si presenta brillante, completamente pulito e sterilizzato e soprattutto si presta ad essere utilizzato per svariate applicazioni particolari.

Ultrasonic Cleaning:

Each item produced by M.C.S. Hydraulics is subjected to an ultrasonic cleaning treatment. M.C.S. employs a cleaning device that uses Ultrasonic dual frequency waves and an appropriate cleaning

solvent, to clean each and every product.

Cavitation bubbles induced by the Ultrasound waves, act on a number of contaminants (Such as dirt, dust, grease etc.) adhering to metal.

This action also penetrates blind holes, cracks, and recesses; the intention is to remove all traces of contamination from surface .

Ultrasonics are used for industrial cleaning, but also in many medical and dental techniques: at the end of this process, fittings are bright, completely cleaned, sterilized and ready to be used even for very particular applications.

LUBRIFICAZIONE DEI COMPONENTI

Lubrication of the components

Per un corretto impiego dei nostri adattatori, è necessario eseguire una corretta lubrificazione su tutti i componenti da montare. Il lubrificante che vi consigliamo rappresenta l'ultima generazione di lubrificanti sintetici, esso è costituito da particelle ultrafini di lubrificanti solidi inorganici, il tutto in un composto sintetico che vi permetterà di impiegarlo con temperature e pressioni estremamente elevate, infatti, non solidificherà nell'impiego tra -34°C e 1204°C e garantirà una tenuta ottimale fino a 4730 kg/cm². Inoltre, è ecologico in quanto non contiene metalli pesanti velenosi che danneggerebbero il personale che vi entrerebbe in contatto. Il nostro ufficio tecnico sarà a vostra completa disposizione per qualsiasi informazione tecnica relativa al suddetto lubrificante.

It is necessary a correct lubrication of each component to use our adapters correctly. The lubricant we recommend belongs to the latest generation of synthetic lubricants; it is formed by a synthetic compound of very small particles of solid inorganic lubricants. It can be used at extremely high temperatures and pressures; in fact it does not solidify between -34°C and 1204°C and it guarantees an optimum seal until 4730 kg/cm². Besides, it is ecological because it does not contain noxious heavy metal which could be dangerous for people who come in contact with it. Our technical office will be at your disposal for further technical information.

TABELLA COMPATIBILITÀ FLUIDI

Fluids Compatibility table

Fluido	Acciaio Inox	NBR	VITON®	Fluido	Acciaio Inox	NBR	VITON®
Acetilene	O	N	N	Gas Naturale Non Trattato	O	N	N
Acetone	O	N	N	Gasolio	O	O	O
Acido Cloridrico	S	N	O	Glicerina	O	O	O
Acido Fosforico	N	N	S	Glicole	O	O	O
Acido Nitrico	S	N	S	Idrogeno	O	O	O
Acido Solforico	S	N	O	Iodio	O	S	O
Acqua	S	N	O	Kerosene	O	O	O
Acqua Distillata	O	O	O	Metano	O	O	O
Acqua Marina	S	O	O	Metanolo	O	O	O
Acqua Ossigenata	O	N	O	Nafta	O	O	O
Acquaragia	O	O	O	Neon	O	O	O
Ammoniaca Gassosa, Fredda	O	O	N	Olio	O	O	O
Ammoniaca Liquida	O	S	N	Olio da Riscaldamento	O	O	N
Anidride Carbonica	O	O	S	Olio dei Freni	O	N	O
Argo	O	O	O	Olio della Trasmissione	O	O	O
Aria	O	O	O	Olio Minerale	O	O	O
Aria compressa	O	O	O	Olio Minerale Naturale	O	S	O
ASTM-Oil, 1	O	O	O	Olio per Comandi Idraulici	O	O	O
ASTM-Oil, 2	O	O	O	Olio Vegetale	O	O	O
ASTM-Oil, 3	O	O	O	Ossido di Carbonio	O	O	N
Azoto	O	O	O	Ossigeno	O	N	O
Benzene	O	N	O	Ozono	O	N	O
Biossido di Zolfo	O	N	O	Pentano	O	O	O
Bisolfuro di Carbonio	O	N	O	Pentano Liquido	O	O	O
Butano	O	O	O	Propano	O	O	O
Cloro	O	N	O	Silicone	O	O	O
Elio	O	O	O	Stirene	O	S	O
Etano	O	O	N	Toluolo	O	N	S
Etere	O	O	N	Trielina	S	N	S
Gas Combustibile	O	O	S	Vapore	O	N	N
Gas Naturale	O	O	O	Xilolo	O	N	O

Legenda: O = Ottimo; S = Sufficiente; N = Non Raccomandato.

Legend : O = Excellent ; S = Sufficient ; N = Not Recommended

VITON® è un marchio registrato dalla DuPont Dow Elastomers

VITON® is a DuPont Dow Elastomers Trade Mark

TUBI IN ACCIAIO INOSSIDABILE CONSIGLIATI

Recommended Stainless Steel Tubes

Si consiglia l'uso di tubi in acciaio inossidabile calibrati e lucidati, trafilati a freddo senza saldatura, in AISI 316 Ti secondo la norma DIN 17458 o ASTM A269, con durezza massima sul diametro esterno di 85HRB. Le pressioni indicate nella tabella a seguire sono state rilevate in condizioni di carico costante e temperatura compresa tra i -20°C e i 120°C

The use of seamless stainless steel Aisi 316Ti (EN 1.4571) cold drawn, brightened tubes, according to DIN 17458 or ASTM A269, with maximum hardness on outer diameter of 85HRB is recommended. Pressure shown in the following table has been noticed in conditions of constant load and temperature between -20°C and 120°C.

Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-1 Statico bar	Peso Kg/m	Ø Tubo mm	Tolleranza mm	Spessore mm	Pressione DIN 2413-1 Statico bar	Peso Kg/m
4	±0,1	0,5	326	0,048	18	±0,08	1,5*	245	0,619
		1	544	0,076			2	326	0,801
6	±0,1	1	406	0,125	20	±0,08	2,5	409	0,971
		1,5	572	0,169			3	426	1,128
8	±0,1	2	721	0,200	22	±0,08	2**	294	0,902
		1	347	0,225			2,5	368	1,095
10	±0,1	1,5	449	0,244	25	±0,08	3	389	1,277
		2	572	0,301			3,5	444	1,446
12	±0,08	2,5	686	0,344	28	±0,08	4	498	1,602
		1	294	0,225			2**	267	1,001
14	±0,08	1,5	389	0,319	30	±0,08	2,5	334	1,220
		2	498	0,401			3	401	1,427
15	±0,08	2,5	601	0,469	35	±0,15	2**	236	1,151
		3	694	0,526			2,5	294	1,408
16	±0,08	1*	245	0,275	38	±0,15	3	352	1,653
		1,5	368	0,394			4	411	2,104
18	±0,08	2	426	0,500	42	±0,2	4,5	456	2,310
		2,5	516	0,595			2**	210	1,301
20	±0,08	3	601	0,676	42	±0,2	2,5	263	1,596
		3,5	679	0,745			3	315	1,878
22	±0,08	1,5	315	0,469	42	±0,2	2**	175	1,402
		2	420	0,601			2,5	245	1,721
24	±0,08	2,5	452	0,720	42	±0,2	3	294	2,028
		3	529	0,826			4	392	2,604
26	±0,08	3,5	601	0,920	42	±0,2	2**	168	2,222
		1,5	294	0,507			2,5	210	2,034
28	±0,08	2	392	0,651	42	±0,2	3	252	2,403
		3	498	0,902			4	336	3,104
30	±0,08	1,5**	275	0,544	42	±0,2	3**	232	2,628
		2	368	0,702			4	310	3,405
32	±0,08	2,5	402	0,845	42	±0,2	5	387	4,131
		3	471	0,977			3**	210	2,929
34	±0,08				42	±0,2	4	280	3,806

* Per tubi a norma DIN 2353 utilizzare la boccia di rinforzo adeguata.

** Utilizzare solo con raccordi a norma SAE J514.

*For tubes according to DIN 2353 it is necessary to use a support sleeve.

**You must use them only with fittings according to SAEJ514.

GUARNIZIONI IMPIEGATE

Sealing Materials :

Le guarnizioni impiegate, possono essere sia in NBR ed hanno una temperatura di esercizio compresa tra i -35°C ed i 100°C e durezza 85±5 Shore, sia in VITON® se dovessero sostenere temperature di esercizio più elevate comprese tra i -25°C ed i 200°C e durezza 80±5 Shore. Tali prodotti devono essere stoccati secondo la norma DIN 7716 (Requisiti per l'immagazzinamento di prodotti in gomma e caucciù).

Seals used can be in NBR (Nitrile Rubber), so they have an operating temperature from -35°C to 100°C and hardness 85± 5 Shore, and in Viton® in case they are used for highest temperature from -25°C to 200°C and hardness 80±5 Shore. These products must be stored according to DIN 7716 (This is essential for the stocking of rubber products).

TEMPERATURE AMMESSE E RIDUZIONI DI PRESSIONE

Pressure reductions and Temperature

Acciaio inossidabile da -60°C a 200°C secondo ISO 8434.

La riduzione della pressione di esercizio sui raccordi in acciaio inossidabile 1.4571 deve essere applicata in funzione della temperatura di esercizio riscontrata, secondo la NORMA ISO 8434. In caso di sistema con più componenti i parametri devono essere calcolati sul componente più debole.

Stainless steel from -60°C to 200°C according to ISO 8434.

The reduction of the operating pressure on stainless steel fittings 14571 must be applied according to the operating temperature, in accordance with ISO 8434. For systems consisting of more components the parameters must be calculated on the weakest component.

<i>Tipo di acciaio impiegato</i> Type of Steel used	<i>Temperatura di esercizio</i> Operating temperature	<i>Riduzione della pressione di esercizio</i> Oper. Press.Reduc.
1,4571	≥ 50°C	-4%
1,4571	≥100°C	-11%
1,4571	≥200°C	-20%

RESPONSABILITÀ

Liability

PRESCRIZIONI DA RISPETTARE

Warning

- *Rispettare tutte le indicazioni di montaggio contenuto in questo catalogo.*
 - *Utilizzare per le connessioni, tubi di qualità come da «tabella tubi consigliati»*
 - *Sui tubi a pareti sottili applicare boccole di rinforzo.*
 - *Utilizzare solo componenti M.C.S. per le connessioni e non alterare il prodotto originale M.C.S. .*
 - *Lubrificare sempre tutti i componenti come indicato nelle istruzioni di montaggio.*
 - *Rispettare la pressioni e le temperature indicate nel catalogo.*
 - *Il non utilizzo delle suddette prescrizioni, oltre ad alterare la sicurezza funzionale dei nostri prodotti, esclude tutti i diritti di garanzia.*
- *Observe assembly instructions contained in this catalogue;*
 - *Observe Tube Recommendations (See page 5: Recommended stainless steel tubes);*
 - *In case of assembly with thin walled tubes, apply support sleeves;*
 - *For complete safety, use only M.C.S. components; do not alter/modify M.C.S.'s products;*
 - *Components must be lubricated as seen in the Assembly Instructions section;*
 - *Observe pressure and temperatures as indicated;*
 - *There is no functional safety of our products and no warranty rights without observing the above described instructions.*

RESPONSABILITÀ PRODOTTO

Product Liability

I prodotti M.C.S. sono garantiti esenti da difetti di lavorazione e di materiale. Tale garanzia verrà applicata al prodotto effettivamente difettoso che presenti non conformità o mal funzionamenti non riscontrabili al momento dell'acquisto, purché lo stesso sia utilizzato esattamente come riportato nelle nostre istruzioni di montaggio e comunque entro e non oltre sei mesi dalla data di acquisto del materiale.

M.C.S.'s products are guaranteed without manufacturing or material fault. This warranty will be applied to the product effectively faulty, which presents a bad functioning not showed at the moment of the purchase and only if it has been used as recommended in our assembly instructions and within six months after the purchase date.

COLLAUDO Testing

I raccordi M.C.S. sono costruiti rispettando integralmente la norma ISO 8434-2 di riferimento. Le pressioni riportate nel presente catalogo sono quelle massime consentite collaudate con un fattore di sicurezza 4:1 sia per le connessioni tubo-tubo, che per i terminali cilindrici con guarnizione incassata. Il fattore di sicurezza scende a 2.5:1 sui terminali cilindrici con tenuta in metallo su metallo e sui terminali a filettatura conica. Inoltre tutta la gamma di adattatori prodotta dalla M.C.S. Hydraulics è stata collaudata fino alla pressione di scoppio del tubo rigido. La M.C.S. Hydraulics S.r.l. dispone, per le prove interne, di un banco per prove in pressioni di tubi che consente di eseguire test di tenuta, scoppio ed a pressione pulsante fino a 4000 Bar; su richiesta è possibile effettuare il collaudo dei componenti ordinati ed ottenere il rilascio del certificato delle prove eseguite secondo la ISO 8434-5: è possibile infine richiedere che tali prove vengano eseguite alla presenza di ispettori di Enti Certificatori; tra i quali si citano (a titolo esemplificativo e non esaustivo): Rina, Lloyd's, Register, DNV etc.

M.C.S.'s Din compression couplings are completely manufactured in accordance with ISO 8434-2 standards.

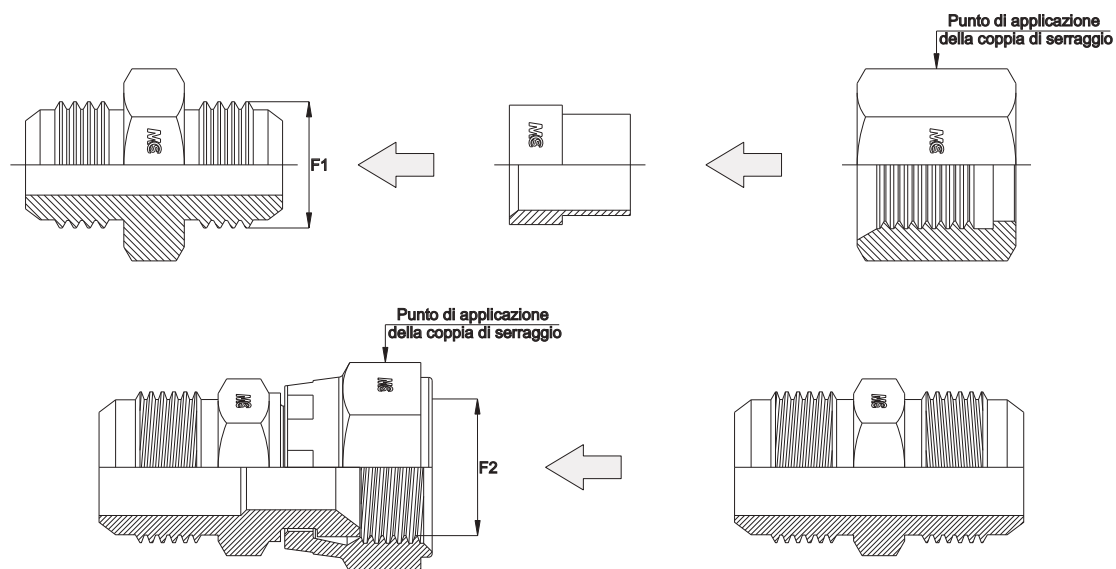
Pressure values shown in this catalogue are those maximum allowed and tested considering the security factor 4:1, it is intended for tube to tube connections and parallel stud couplings with captive seal. The security factor is 2.5:1 for metal to metal sealing parallel and taper parallel threaded stud couplings. Besides, all couplings manufactured by M.C.S. Hydraulics have been tested up to tube burst pressure.

A test bench is available to provide in-house static, burst and pulsing pressure tests up to 4000 Bar. On request it is possible to test the components and to issue certificates according to ISO 8434-5.

It is also possible to have these tests performed in the presence of qualified inspectors: Rina, Lloyd's Register, DNV for instance.

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi su Tubazioni - Nut on Tube



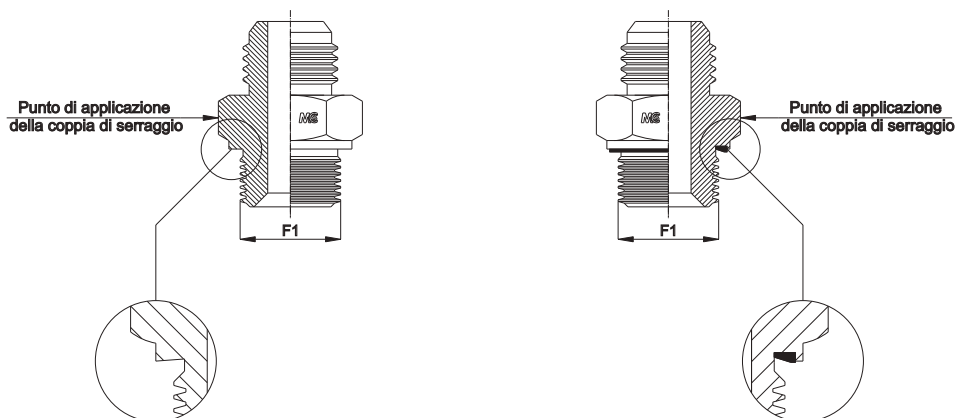
F1/F2	N MIN/MAX (NM)	TUBO
7/16"	15/16	6 - 1/4"
1/2"	19/21	8 - 5/16"
9/16"	24/28	10 - 3/8"
3/4"	49/50	12 - 1/2"
7/8"	77/85	14 - 15 - 16 - 5/8"
1" 1/16	107/119	18 - 20 - 3/4"
1" 5/16	147/154	25 - 1"
1" 5/8	172/181	30 - 32 - 1" 1/4
1" 7/8	215/226	38 - 1" 1/2

F1 - JIC

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Sae J514 con Filetto Gas Cilindrico

Stud Ends SAE J514 with BSP Thread



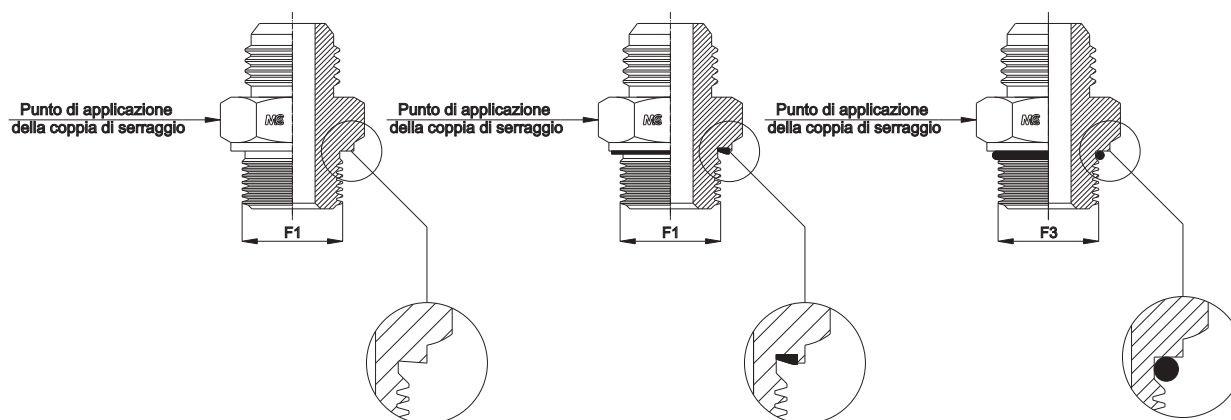
F1	N MAX (NM)
G 1/8"	20
G 1/4"	45
G 3/8"	70
G 1/2"	85
G 3/4"	170
G 1"	330
G 1"1/4	430
G 1"1/2	510

F1 - Filetto Gas Cilindrico/Filetto Gas Conico - Thread BSP Parallelo/Thread BSP Taper

COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Sae J514 con Filetto Metrico Cilindrico

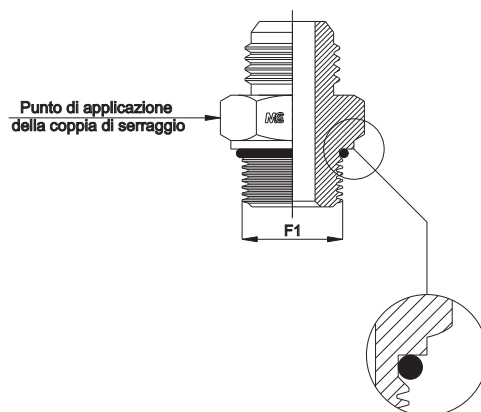
Stud Ends SAE J514 with METRIC Thread



F1	N MAX (NM)	F3	N MAX (NM)
10x1	20	10x1	15
12x1,5	30	12x1,5	25
14x1,5	45	14x1,5	30
16x1,5	55	16x1,5	35
18x1,5	70	18x1,5	40
20x1,5	105	20x1,5	50
22x1,5	120	22x1,5	55
27x2	170	27x2	85
33x2	330	33x2	140
42x2	430	42x2	180

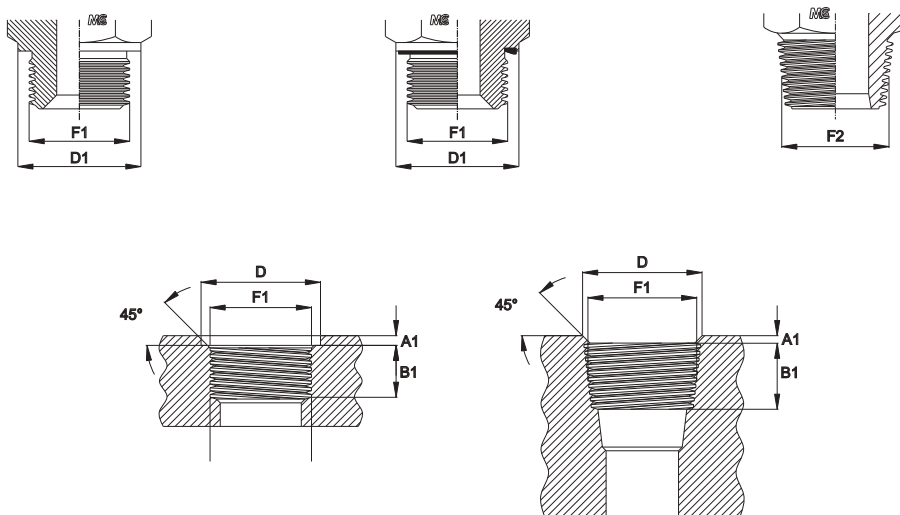
COPPIE DI SERRAGGIO - Assembly Torques

Raccordi Sae J514 con Filetto UNF/UN-2A Stud Ends SAE J514 with UNF/UN-2A Thread



F1 ISO 11926-3	N MAX (NM)
7/16"	20
1/2"	25
9/16"	30
3/4"	45
7/8"	55
1" 1/16	85
1" 5/16	130
1" 5/8	170

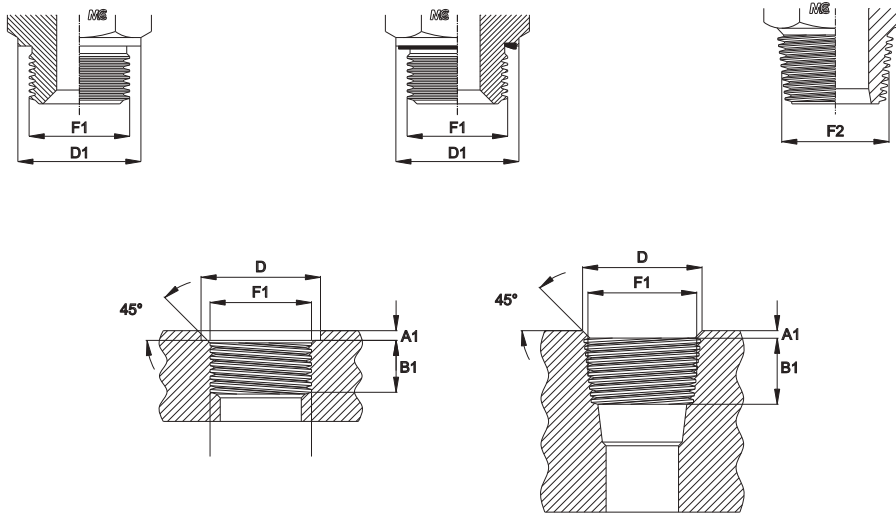
SEDI E FILETTATURE BSP THREAD COUPLING - BSP THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
1/8"	1/8"	1	8	15	14	14	5,5	6	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	10	L
3/8"	3/8"	1,5	12	23	22	22	8,5	12	L
1/2"	1/2"	2	12	27	26	26,9	10,5	15	L
1/2"	1/2"	2,5	14	27	26	26,9	10,5	18	L
3/4"	3/4"	2,5	16	33	32	32	13	22	L
1"	1"	2,5	18	40	39	39,9	16	28	L
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	35	L
1" 1/2	1" 1/2	2,5	22	56	55	55	17	42	L
1/4"	1/4"	1,5	12	19	18	18,9	8,5	6	S
1/4"	1/4"	1,5	12	19	18	18,9	8,5	8	S
3/8"	3/8"	1,5	12	23	22	22	8,5	10	S
3/8"	3/8"	2	12	23	22	22	8,5	12	S
1/2"	1/2"	2	14	27	26	26,9	10,5	14	S
1/2"	1/2"	2,5	14	27	26	26,9	10,5	16	S
3/4"	3/4"	2,5	16	33	32	32	13	20	S
1"	1"	2,5	18	40	39	39,9	16	25	S
1" 1/4	1" 1/4	2,5	20	50	49	49,9	17	30	S
1" 1/2	1" 1/2	2,5	22	56	55	55	17	38	S

F1 - Filetto Gas Cilindrico - Thread BSP Parallel
F2 - Filetto Gas Conico - Thread BSP Taper

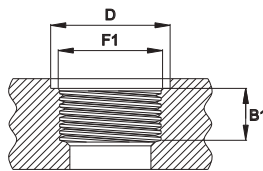
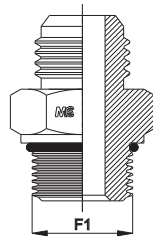
SEDI E FILETTATURE METRICHE THREAD COUPLING - METRIC THREAD



F1	F2	A1 MAX	B1 MIN	D	D1	D2	B2 MIN	TUBO	SERIE
10x1	10x1	1	8	15	14	14	5,5	6	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	8	L
14x1,5	14x1,5	1,5	12	20	19	19	8,5	10	L
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	12	L
18x1,5	18x1,5	2	12	24	23	23,9	8,5	15	L
22x1,5	22x1,5	2,5	14	28	27	27	10,5	18	L
26x1,5		2,5	16	32	31	31,9		22	L
33x2		2,5	18	40	39	39,9		28	L
42x2		2,5	20	50	49	49,9		35	L
48x2		2,5	22	56	55	55		42	L
12x1,5	12x1,5	1,5	12	18	17	17	8,5	6	S
14x1,5	14x1,5	1,5	12	20	19	19	8,5	8	S
16x1,5	16x1,5	1,5	12	22	21	21,9	8,5	10	S
18x1,5	18x1,5	2	12	24	23	23,9	8,5	12	S
20x1,5	20x1,5	2	14	26	25	25,9	10,5	14	S
22x1,5	22x1,5	2,5	14	28	27	27	10,5	16	S
27x2		2,5	16	33	32	32		20	S
33x2		2,5	18	40	39	39,9		25	S
42x2		2,5	20	50	49	49,9		30	S
48x2		2,5	22	56	55	55		38	S

F1 - Filetto Metrico Cilindrico - Thread Metric Parallel
F2 - Filetto Metrico Conico - Thread Metric Taper

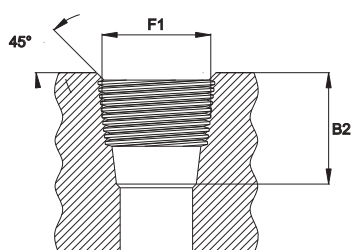
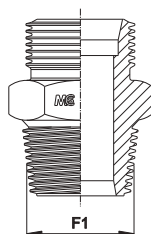
SEDI E FILETTATURE UNF/UN-2A THREAD COUPLING - UNF/UN-2A



F1	A1 MAX	B1 MIN	D	D1	a
7/16"	1,6	11,5	21	15,8	12°
1/2"	1,6	11,5	23	16,2	12°
9/16"	1,6	12,7	25	17,7	12°
3/4"	2,4	14,3	30	23	15°
7/8"	2,4	16,7	34	27	15°
1" 1/16	2,4	19	41	32	15°
1" 5/16	3,2	19	49	38,1	15°
1" 5/8	3,2	19	58	48	15°

F1 - UNF/UN-2A

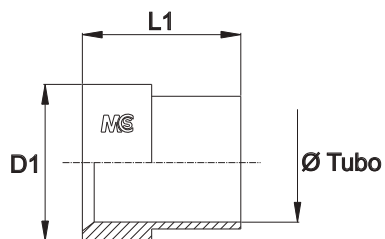
SEDI E FILETTATURE NPT THREAD COUPLING - NPT



NPT	MIN
F1	B2
1/8"	1,6
1/4"	1,6
3/8"	1,6
1/2"	2,4
3/4"	2,4
1"	2,4
1" 1/4	3,2
1" 1/2	3,2

F1 - NPT

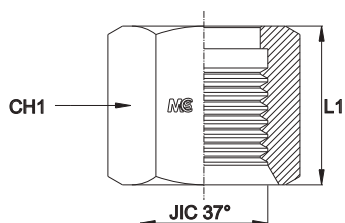
OGIVA PER TUBO METRICO (JS) ED IN POLLICI (JSI) SLEEVE FOR 37° COUPLINGS FOR METRIC (JS) AND INCHES (JSI) TUBE



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo Metric Tube OD	Ø Est. Tubo in Pollici Inch Tube OD	L1	D1	
UNIVERSALE UNIVERSAL	450	JS06	6		10,4	9,70	
	450	JS08	8	5/16"	11,2	11,25	
	350	JS10	10			12,7	12,70
		JS12	12			14,2	17,30
		JS14	14			16,8	20,20
		JS15	15			16,8	20,20
		JS16	16	5/8"		16,8	20,20
		JS20	20			17,3	24,65
	290	JS25	25			19,8	31,00
	240	JS28	28			23,1	38,90
JS30		30			23,1	38,90	
JS32		32			23,1	38,90	
JS38		38	1" 1/2		28,4	45,25	
140	JS50	50			30,2	61,15	

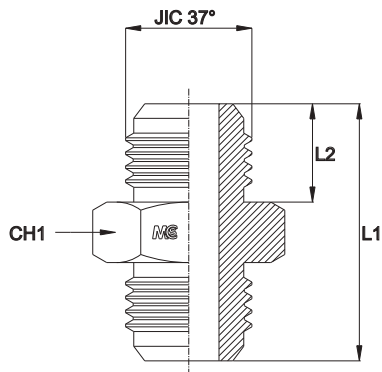
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo in Pollici Inch Tube OD	L1	D1
UNIVERSALE UNIVERSAL	450	JSI04	1/4"	10,4	9,70
	350	JSI06	3/8"	12,7	12,70
		JSI08	1/2"	14,2	17,30
		JSI12	3/4"	17,3	24,65
	290	JSI16	1"	19,8	31,00
	240	JSI20	1" 1/4	23,1	38,90
	105	JSI32	2"	30,2	61,15

DADO JIC PER OGIVA NUT FOR 37° COUPLINGS



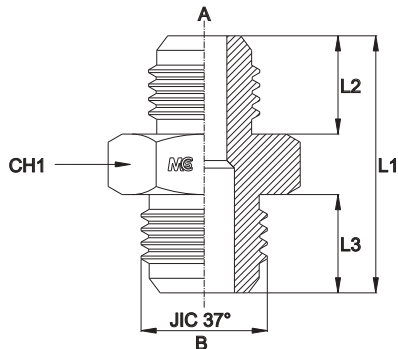
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	JN07	6	1/4"	7/16"-20	15,8	14
		JN08	8	5/16"	1/2"-20	17,3	17
	350	JN09	10	3/8"	9/16"-18	18,5	19
		JN12	12	1/2"	3/4"-16	21,6	22
		JN14	14-15-16	5/8"	7/8"-14	24,9	27
		JN17	18-20	3/4"	1" 1/16-12	26,2	32
	290	JN21	25	1"	1" 5/16-12	28,7	41
		JN26	28-30		1" 5/8-12	31,2	50
	240	JN26/2	32	1" 1/4	1" 5/8-12	31,2	50
		JN30	35-38	1" 1/2	1" 7/8-12	36,1	60
	105	JN40	50	2"	2" 1/2-12	44,5	70

ADATTATORE MASCHIO BOTH JIC MALE 74° CONE ADAPTOR



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	CH1
UNIVERSALE UNIVERSAL	450	JMA0707	6	1/4"	7/16"-20	35,0	14,0	14
		JMA0808	8	5/16"	1/2"-20	35,0	14,0	14
	350	JMA0909	10	3/8"	9/16"-18	36,0	14,1	17
		JMA1212	12	1/2"	3/4"-16	41,0	16,7	22
		JMA1414	14-15-16	5/8"	7/8"-14	48,0	19,3	24
	290	JMA1717	18-20	3/4"	1"1/16-12	55,0	21,9	30
		JMA2121	25	1"	1"5/16-12	57,0	23,1	36
	240	JMA2626	28-30-32	1"1/4	1"5/8-12	61,5	24,3	46
		JMA3030	35-38	1"1/2	1"7/8-12	70,0	27,5	50
	105	JMA4040	50	2"	2"1/2-12	86,5	33,9	65

RIDUZIONE MASCHIO/MASCHIO REDUCING ADAPTOR MALE/MALE



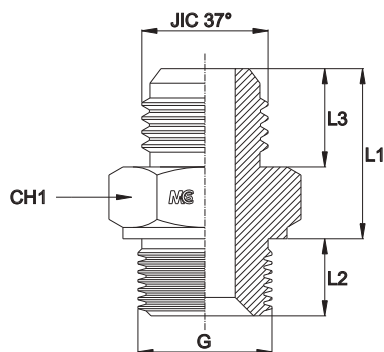
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo A ^M Tube O.D. A ^M	Ø Est. Tubo B ^M Tube O.D. B ^M	Ø Est. Tubo A ^W Tube O.D. A ^W	Ø Est. Tubo B ^W Tube O.D. B ^W	JIC 37° A	JIC 37° B	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	450	JMRA0807	6	8	1/4"	5/16"	7/16"-20	1/2"-20	35,0	14,0	14,0	14
		JMRA0907	6	10	1/4"	3/8"	7/16"-20	9/16"-18	35,9	14,0	14,1	17
		JMRA0908	8	10	5/16"	3/8"	1/2"-20	9/16"-18	35,9	14,0	14,1	17
		JMRA1207	6	12	1/4"	1/2"	7/16"-20	3/4"-16	38,3	14,0	16,7	22
		JMRA1208	8	12	5/16"	1/2"	1/2"-20	3/4"-16	38,3	14,0	16,7	22
		JMRA1209	10	12	3/8"	1/2"	9/16"-18	3/4"-16	38,4	14,1	16,7	22
		JMRA1407	6	14-15-16	1/4"	5/8"	7/16"-20	7/8"-14	42,7	14,0	19,3	24
		JMRA1408	8	14-15-16	5/16"	5/8"	1/2"-20	7/8"-14	42,7	14,0	19,3	24
		JMRA1409	10	14-15-16	3/8"	5/8"	9/16"-18	7/8"-14	42,8	14,1	19,3	24
		JMRA1412	12	14-15-16	1/2"	5/8"	3/4"-16	7/8"-14	45,4	16,7	19,3	24
		JMRA1707	6	18-20	1/4"	3/4"	7/16"-20	1"1/16-12	47,1	14,0	21,9	30
		JMRA1708	8	18-20	5/16"	3/4"	1/2"-20	1"1/16-12	47,1	14,0	21,9	30
	JMRA1709	10	18-20	3/8"	3/4"	9/16"-18	1"1/16-12	47,2	14,1	21,9	30	
	JMRA1712	12	18-20	1/2"	3/4"	3/4"-16	1"1/16-12	49,8	16,7	21,9	30	
	JMRA1714	14-15-16	18-20	5/8"	3/4"	7/8"-14	1"1/16-12	52,4	19,3	21,9	30	
	290	JMRA2107	6	25	1/4"	1"	7/16"-20	1"5/16-12	47,9	14,0	23,1	36
		JMRA2108	8	25	5/16"	1"	1/2"-20	1"5/16-12	47,9	14,0	23,1	36
		JMRA2109	10	25	3/8"	1"	9/16"-18	1"5/16-12	48,0	14,1	23,1	36
		JMRA2112	12	25	1/2"	1"	3/4"-16	1"5/16-12	50,6	16,7	23,1	36
		JMRA2114	14-15-16	25	5/8"	1"	7/8"-14	1"5/16-12	53,2	19,3	23,1	36
		JMRA2117	18-20	25	3/4"	1"	1"1/16-12	1"5/16-12	55,8	21,9	23,1	36
	240	JMRA2607	6	28-30-32	1/4"	1"1/4	7/16"-20	1"5/8-12	51,2	14,0	24,3	46
		JMRA2608	8	28-30-32	5/16"	1"1/4	1/2"-20	1"5/8-12	51,2	14,0	24,3	46
		JMRA2609	10	28-30-32	3/8"	1"1/4	9/16"-18	1"5/8-12	51,3	14,1	24,3	46
		JMRA2612	12	28-30-32	1/2"	1"1/4	3/4"-16	1"5/8-12	53,9	16,7	24,3	46
		JMRA2614	14-15-16	28-30-32	5/8"	1"1/4	7/8"-14	1"5/8-12	56,5	19,3	24,3	46
		JMRA2617	18-20	28-30-32	3/4"	1"1/4	1"1/16-12	1"5/8-12	59,1	21,9	24,3	46
		JMRA2621	25	28-30-32	1"	1"1/4	1"5/16-12	1"5/8-12	60,3	23,1	24,3	46
		JMRA3007	6	35-38	1/4"	1"1/2	7/16"-20	1"7/8-12	56,5	14,0	27,5	50
		JMRA3008	8	35-38	5/16"	1"1/2	1/2"-20	1"7/8-12	56,5	14,0	27,5	50
		JMRA3009	10	35-38	3/8"	1"1/2	9/16"-18	1"7/8-12	56,6	14,1	27,5	50
		JMRA3012	12	35-38	1/2"	1"1/2	3/4"-16	1"7/8-12	59,2	16,7	27,5	50
		JMRA3014	14-15-16	35-38	5/8"	1"1/2	7/8"-14	1"7/8-12	61,8	19,3	27,5	50
	JMRA3017	18-20	35-38	3/4"	1"1/2	1"1/16-12	1"7/8-12	64,4	21,9	27,5	50	
	JMRA3021	25	35-38	1"	1"1/2	1"5/16-12	1"7/8-12	65,6	23,1	27,5	50	
	JMRA3026	28-30-32	35-38	1,1/4"	1"1/2	1"5/8-12	1"7/8-12	66,8	24,3	27,5	50	
	105	JMRA4007	6	50	1/4"	2"	7/16"-20	2"1/2-12	66,6	14,0	33,9	65
		JMRA4008	8	50	5/16"	2"	1/2"-20	2"1/2-12	66,6	14,0	33,9	65
		JMRA4009	10	50	3/8"	2"	9/16"-18	2"1/2-12	66,7	14,1	33,9	65
		JMRA4012	12	50	1/2"	2"	3/4"-16	2"1/2-12	69,3	16,7	33,9	65
		JMRA4014	14-15-16	50	5/8"	2"	7/8"-14	2"1/2-12	71,9	19,3	33,9	65
		JMRA4017	18-20	50	3/4"	2"	1"1/16-12	2"1/2-12	74,5	21,9	33,9	65
		JMRA4021	25	50	1"	2"	1"5/16-12	2"1/2-12	75,7	23,1	33,9	65
		JMRA4026	28-30-32	50	1,1/4"	2"	1"5/8-12	2"1/2-12	76,9	24,3	33,9	65
		JMRA4030	35-38	50	1,1/2"	2"	1"7/8-12	2"1/2-12	80,1	27,5	33,9	65

ADATTATORE MASCHIO/MASCHIO

Filetto Gas Cilindrico

ADAPTOR MALE/MALE

Thread BSP Parallel



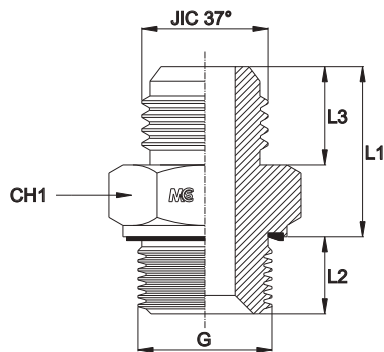
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JBSPMA0702	6	1/4"	7/16"-20	1/8"	22,5	8,0	14,0	14
		JBSPMA0704	6	1/4"	7/16"-20	1/4"	22,5	11,0	14,0	19
		JBSPMA0706	6	1/4"	7/16"-20	3/8"	23,5	12,0	14,0	22
		JBSPMA0708	6	1/4"	7/16"-20	1/2"	23,5	14,0	14,0	27
		JBSPMA0802	8	5/16"	1/2"-20	1/8"	22,5	8,0	14,0	14
		JBSPMA0804	8	5/16"	1/2"-20	1/4"	22,5	11,0	14,0	19
		JBSPMA0806	8	5/16"	1/2"-20	3/8"	23,5	12,0	14,0	22
		JBSPMA0808	8	5/16"	1/2"-20	1/2"	23,5	14,0	14,0	27
		JBSPMA0902	10	3/8"	9/16"-18	1/8"	23,4	8,0	14,1	17
		JBSPMA0904	10	3/8"	9/16"-18	1/4"	23,4	11,0	14,1	19
		JBSPMA0906	10	3/8"	9/16"-18	3/8"	23,6	12,0	14,1	22
		JBSPMA0908	10	3/8"	9/16"-18	1/2"	23,6	14,0	14,1	27
		JBSPMA1204	12	1/2"	3/4"-16	1/4"	25,8	12,0	16,7	22
		JBSPMA1206	12	1/2"	3/4"-16	3/8"	26,2	12,0	16,7	22
		JBSPMA1208	12	1/2"	3/4"-16	1/2"	26,2	14,0	16,7	27
		JBSPMA1212	12	1/2"	3/4"-16	3/4"	27,7	16,0	16,7	32
	JBSPMA1406	14-15-16	5/8"	7/8"-14	3/8"	30,2	12,0	19,3	24	
	JBSPMA1408	14-15-16	5/8"	7/8"-14	1/2"	30,2	14,0	19,3	27	
	JBSPMA1412	14-15-16	5/8"	7/8"-14	3/4"	30,7	16,0	19,3	32	
	JBSPMA1416	14-15-16	5/8"	7/8"-14	1"	32,3	19,0	19,3	41	
	JBSPMA1706	18-20	3/4"	1"1/16-12	3/8"	34,6	12,0	21,9	30	
	JBSPMA1708	18-20	3/4"	1"1/16-12	1/2"	34,6	14,0	21,9	30	
	JBSPMA1712	18-20	3/4"	1"1/16-12	3/4"	35,1	16,0	21,9	32	
	JBSPMA1716	18-20	3/4"	1"1/16-12	1"	35,1	19,0	21,9	41	
	JBSPMA1720	18-20	3/4"	1"1/16-12	1,1/4"	35,1	20,0	21,9	50	
	JBSPMA2112	25	1"	1"5/16-12	3/4"	35,9	16,0	23,1	36	
	JBSPMA2116	25	1"	1"5/16-12	1"	36,1	19,0	23,1	41	
	JBSPMA2120	25	1"	1"5/16-12	1,1/4"	36,1	20,0	23,1	50	
	JBSPMA2124	25	1"	1"5/16-12	1,1/2"	37,6	20,0	23,1	55	
	JBSPMA2616	28-30-32	1"1/4	1"5/8-12	1"	39,2	19,0	24,3	46	
	JBSPMA2620	28-30-32	1"1/4	1"5/8-12	1,1/4"	39,2	20,0	24,3	50	
	JBSPMA2624	28-30-32	1"1/4	1"5/8-12	1,1/2"	39,2	20,0	24,3	55	
JBSPMA2632	28-30-32	1"1/4	1"5/8-12	2"	39,8	24,5	24,3	70		
JBSPMA3016	35-38	1"1/2	1"7/8-12	1"	44,5	19,0	27,5	50		
JBSPMA3020	35-38	1"1/2	1"7/8-12	1,1/4"	44,5	20,0	27,5	50		
JBSPMA3024	35-38	1"1/2	1"7/8-12	1,1/2"	44,5	20,0	27,5	55		
JBSPMA3032	35-38	1"1/2	1"7/8-12	2"	44,5	24,5	27,5	70		
105	JBSPMA4032	50	2"	2"1/2-12	2"	49,5	24,5	33,9	70	

ADATTATORE MASCHIO/MASCHIO CON GUARNIZIONE INCASSATA

Filetto Gas Cilindrico

ADAPTOR MALE/MALE WITH CAPTIVE SEAL

Thread BSP Parallel



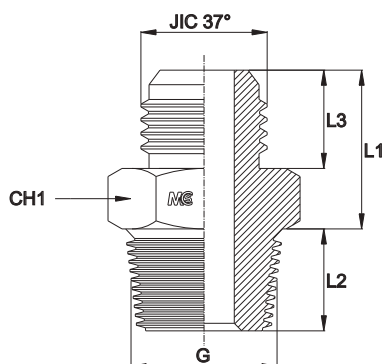
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JBSPMA0702V	6	1/4"	7/16"-20	1/8"	22,50	8,0	14,0	14
		JBSPMA0704V	6	1/4"	7/16"-20	1/4"	22,50	11,0	14,0	19
		JBSPMA0706V	6	1/4"	7/16"-20	3/8"	23,50	12,0	14,0	22
		JBSPMA0708V	6	1/4"	7/16"-20	1/2"	23,50	14,0	14,0	27
		JBSPMA0802V	8	5/16"	1/2"-20	1/8"	22,50	8,0	14,0	14
		JBSPMA0804V	8	5/16"	1/2"-20	1/4"	22,50	11,0	14,0	19
		JBSPMA0806V	8	5/16"	1/2"-20	3/8"	23,50	12,0	14,0	22
		JBSPMA0808V	8	5/16"	1/2"-20	1/2"	23,50	14,0	14,0	27
		JBSPMA0902V	10	3/8"	9/16"-18	1/8"	23,40	8,0	14,1	17
		JBSPMA0904V	10	3/8"	9/16"-18	1/4"	23,40	11,0	14,1	19
		JBSPMA0906V	10	3/8"	9/16"-18	3/8"	23,60	12,0	14,1	22
		JBSPMA0908V	10	3/8"	9/16"-18	1/2"	23,60	14,0	14,1	27
		JBSPMA1204V	12	1/2"	3/4"-16	1/4"	25,80	12,0	16,7	22
		JBSPMA1206V	12	1/2"	3/4"-16	3/8"	26,20	12,0	16,7	22
		JBSPMA1208V	12	1/2"	3/4"-16	1/2"	26,20	14,0	16,7	27
		JBSPMA1212V	12	1/2"	3/4"-16	3/4"	27,70	16,0	16,7	32
	JBSPMA1406V	14-15-16	5/8"	7/8"-14	3/8"	30,20	12,0	19,3	24	
	JBSPMA1408V	14-15-16	5/8"	7/8"-14	1/2"	30,20	14,0	19,3	27	
	JBSPMA1412V	14-15-16	5/8"	7/8"-14	3/4"	30,70	16,0	19,3	32	
	JBSPMA1416V	14-15-16	5/8"	7/8"-14	1"	32,30	19,0	19,3	41	
	JBSPMA1706V	18-20	3/4"	1"1/16-12	3/8"	34,60	12,0	21,9	30	
	JBSPMA1708V	18-20	3/4"	1"1/16-12	1/2"	34,60	14,0	21,9	30	
	JBSPMA1712V	18-20	3/4"	1"1/16-12	3/4"	35,10	16,0	21,9	32	
	JBSPMA1716V	18-20	3/4"	1"1/16-12	1"	35,10	19,0	21,9	41	
	JBSPMA1720V	18-20	3/4"	1"1/16-12	1"1/4	35,10	20,0	21,9	50	
	JBSPMA2112V	25	1"	1"5/16-12	3/4"	35,90	16,0	23,1	36	
	JBSPMA2116V	25	1"	1"5/16-12	1"	36,10	19,0	23,1	41	
	JBSPMA2120V	25	1"	1"5/16-12	1"1/4	36,10	20,0	23,1	50	
	JBSPMA2124V	25	1"	1"5/16-12	1"1/2	37,60	20,0	23,1	55	
	JBSPMA2616V	28-30-32	1"1/4	1"5/8-12	1"	39,20	19,0	24,3	46	
	JBSPMA2620V	28-30-32	1"1/4	1"5/8-12	1"1/4	39,20	20,0	24,3	50	
	JBSPMA2624V	28-30-32	1"1/4	1"5/8-12	1"1/2	39,20	20,0	24,3	55	
JBSPMA2632V	28-30-32	1"1/4	1"5/8-12	2"	39,80	24,5	24,3	70		
JBSPMA3016V	35-38	1"1/2	1"7/8-12	1"	44,50	19,0	27,5	50		
JBSPMA3020V	35-38	1"1/2	1"7/8-12	1"1/4	44,50	20,0	27,5	50		
JBSPMA3024V	35-38	1"1/2	1"7/8-12	1"1/2	44,50	20,0	27,5	55		
JBSPMA3032V	35-38	1"1/2	1"7/8-12	2"	44,50	24,5	27,5	70		
105	JBSPMA4032V	50	2"	2"1/2-12	2"	49,50	24,5	33,9	70	

ADATTATORE MASCHIO/MASCHIO

Filetto Gas Conico

ADAPTOR MALE/MALE

Thread BSP Taper



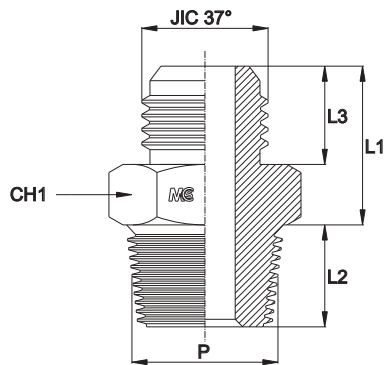
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JBSPTMA0702	6	1/4"	7/16"-20	1/8"	21,0	8,0	14,0	14
		JBSPTMA0704	6	1/4"	7/16"-20	1/4"	21,0	13,0	14,0	14
		JBSPTMA0708	6	1/4"	7/16"-20	1/2"	23,5	17,0	14,0	22
		JBSPTMA0802	8	5/16"	1/2"-20	1/8"	21,0	8,0	14,0	14
		JBSPTMA0804	8	5/16"	1/2"-20	1/4"	21,0	13,0	14,0	14
		JBSPTMA0806	8	5/16"	1/2"-20	3/8"	22,5	14,0	14,0	19
		JBSPTMA0902	10	3/8"	9/16"-18	1/8"	21,9	8,0	14,1	17
		JBSPTMA0904	10	3/8"	9/16"-18	1/4"	21,9	13,0	14,1	17
		JBSPTMA0906	10	3/8"	9/16"-18	3/8"	22,6	14,0	14,1	19
		JBSPTMA0908	10	3/8"	9/16"-18	1/2"	23,6	17,0	14,1	22
		JBSPTMA1204	12	1/2"	3/4"-16	1/4"	24,3	13,0	16,7	22
		JBSPTMA1206	12	1/2"	3/4"-16	3/8"	25,2	14,0	16,7	22
		JBSPTMA1208	12	1/2"	3/4"-16	1/2"	26,2	17,0	16,7	22
		JBSPTMA1212	12	1/2"	3/4"-16	3/4"	26,7	17,5	16,7	27
	JBSPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	28,7	14,0	19,3	24	
	JBSPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	28,8	17,0	19,3	24	
	JBSPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	29,3	17,5	19,3	27	
	JBSPTMA1708	18-20	3/4"	1"1/16-12	1/2"	33,1	17,0	21,9	30	
	JBSPTMA1712	18-20	3/4"	1"1/16-12	3/4"	33,1	17,5	21,9	30	
	JBSPTMA1716	18-20	3/4"	1"1/16-12	1"	33,1	22,0	21,9	36	
	JBSPTMA2112	25	1"	1"5/16-12	3/4"	33,9	17,5	23,1	36	
	JBSPTMA2116	25	1"	1"5/16-12	1"	34,1	22,0	23,1	36	
	JBSPTMA2120	25	1"	1"5/16-12	1"1/4	34,1	24,0	23,1	46	
	JBSPTMA2124	25	1"	1"5/16-12	1"1/2	34,6	24,0	23,1	50	
	JBSPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	37,2	22,0	24,3	46	
	JBSPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	37,2	24,0	24,3	46	
JBSPTMA2624	28-30-32	1"1/4	1"5/8-12	1"1/2	37,2	24,0	24,3	50		
JBSPTMA3020	35-38	1"1/2	1"7/8-12	1"1/4	42,5	24,0	27,5	50		
JBSPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	42,5	24,0	27,5	50		
105	JBSPTMA4032	50	2"	2"1/2-12	2"	52,6	25,0	33,9	65	

ADATTATORE MASCHIO/MASCHIO

Filetto NPT

ADAPTOR MALE/MALE

Thread NPT



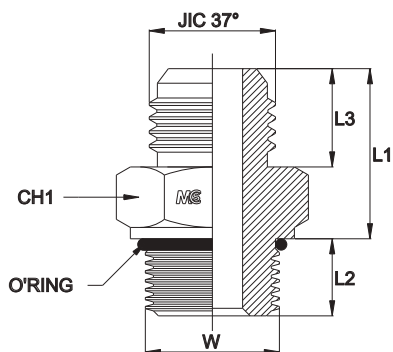
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JNPTMA0702	6	1/4"	7/16"-20	1/8"	21,0	10,0	14,0	14
		JNPTMA0704	6	1/4"	7/16"-20	1/4"	21,0	14,0	14,0	14
		JNPTMA0706	6	1/4"	7/16"-20	3/8"	22,5	14,0	14,0	19
		JNPTMA0708	6	1/4"	7/16"-20	1/2"	23,5	19,0	14,0	22
		JNPTMA0802	8	5/16"	1/2"-20	1/8"	21,0	10,0	14,0	14
		JNPTMA0804	8	5/16"	1/2"-20	1/4"	21,0	14,0	14,0	14
		JNPTMA0806	8	5/16"	1/2"-20	3/8"	22,5	14,0	14,0	19
		JNPTMA0902	10	3/8"	9/16"-18	1/8"	21,9	10,0	14,1	17
		JNPTMA0904	10	3/8"	9/16"-18	1/4"	21,9	14,0	14,1	17
		JNPTMA0906	10	3/8"	9/16"-18	3/8"	22,6	14,0	14,1	19
		JNPTMA0908	10	3/8"	9/16"-18	1/2"	23,6	19,0	14,1	22
		JNPTMA1204	12	1/2"	3/4"-16	1/4"	24,3	14,0	16,7	22
		JNPTMA1206	12	1/2"	3/4"-16	3/8"	25,2	14,0	16,7	22
		JNPTMA1208	12	1/2"	3/4"-16	1/2"	26,2	19,0	16,7	22
		JNPTMA1212	12	1/2"	3/4"-16	3/4"	26,7	19,0	16,7	27
	JNPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	28,7	14,0	19,3	24	
	JNPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	28,8	19,0	19,3	24	
	JNPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	29,3	19,0	19,3	27	
	JNPTMA1706	18-20	3/4"	1"1/16-12	3/8"	33,1	19,0	21,9	30	
	JNPTMA1708	18-20	3/4"	1"1/16-12	1/2"	33,1	19,0	21,9	30	
	JNPTMA1712	18-20	3/4"	1"1/16-12	3/4"	33,1	19,0	21,9	30	
	JNPTMA1716	18-20	3/4"	1"1/16-12	1"	33,1	24,0	21,9	36	
	290	JNPTMA2112	25	1"	1"5/16-12	3/4"	33,9	19,0	23,1	36
	JNPTMA2116	25	1"	1"5/16-12	1"	34,1	24,0	23,1	36	
	240	JNPTMA2120	25	1"	1"5/16-12	1"1/4	34,1	24,5	23,1	46
		JNPTMA2124	25	1"	1"5/16-12	1"1/2	34,6	25,0	23,1	50
		JNPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	37,2	24,0	24,3	46
JNPTMA2620		28-30-32	1"1/4	1"5/8-12	1"1/4	37,2	24,5	24,3	46	
JNPTMA2624		28-30-32	1"1/4	1"5/8-12	1"1/2	37,2	25,0	24,3	50	
JNPTMA3020		35-38	1"1/2	1"7/8-12	1"1/4	42,5	24,5	27,5	50	
JNPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	42,5	25,0	27,5	50		
105	JNPTMA4032	50	2"	2"1/2-12	2"	52,6	26,0	33,9	65	

ADATTATORE MASCHIO/MASCHIO CON O'RING

Filetto UNF/UN-2A

ADAPTOR MALE/MALE WITH O'RING

Thread UNF/UN-2A



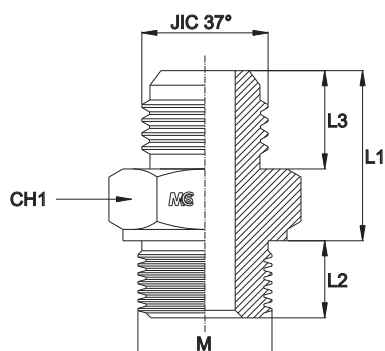
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	W	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	400	JUNFMA0707	6	1/4"	7/16"-20	7/16"-20	21,9	9,1	14,0	14
		JUNFMA0708	6	1/4"	7/16"-20	1/2"-20	21,9	9,1	14,0	17
	350	JUNFMA0709	6	1/4"	7/16"-20	9/16"-18	23,0	10,0	14,0	17
		JUNFMA0712	6	1/4"	7/16"-20	3/4"-16	23,9	11,1	14,0	22
	400	JUNFMA0808	8	5/16"	1/2"-20	1/2"-20	21,9	9,1	14,0	17
		JUNFMA0809	8	5/16"	1/2"-20	9/16"-18	23,0	10,0	14,0	17
	350	JUNFMA0907	10	3/8"	9/16"-18	7/16"-20	22,9	9,1	14,1	17
		JUNFMA0908	10	3/8"	9/16"-18	1/2"-20	22,9	9,1	14,1	17
		JUNFMA0909	10	3/8"	9/16"-18	9/16"-18	23,0	10,0	14,1	17
		JUNFMA0912	10	3/8"	9/16"-18	3/4"-16	23,9	11,1	14,1	22
		JUNFMA0914	10	3/8"	9/16"-18	7/8"-14	25,3	12,7	14,1	27
		JUNFMA1209	12	1/2"	3/4"-16	9/16"-18	26,5	10,0	16,7	22
		JUNFMA1212	12	1/2"	3/4"-16	3/4"-16	26,4	11,1	16,7	22
		JUNFMA1214	12	1/2"	3/4"-16	7/8"-14	27,8	12,7	16,7	27
		JUNFMA1217	12	1/2"	3/4"-16	1" 1/16-12	29,9	15,1	16,7	32
		JUNFMA1412	14-15-16	5/8"	7/8"-14	3/4"-16	30,4	11,1	19,3	24
		JUNFMA1414	14-15-16	5/8"	7/8"-14	7/8"-14	30,3	12,7	19,3	27
		JUNFMA1417	14-15-16	5/8"	7/8"-14	1" 1/16-12	32,4	15,1	19,3	32
		JUNFMA1712	18-20	3/4"	1" 1/16-12	3/4"-16	33,9	11,1	21,9	30
		JUNFMA1714	18-20	3/4"	1" 1/16-12	7/8"-14	33,8	12,7	21,9	30
		JUNFMA1717	18-20	3/4"	1" 1/16-12	1" 1/16-12	34,9	15,1	21,9	32
	290	JUNFMA1721	18-20	3/4"	1" 1/16-12	1" 5/16-12	35,4	15,1	21,9	41
		JUNFMA2114	25	1"	1" 5/16-12	7/8"-14	36,3	12,7	23,1	36
		JUNFMA2117	25	1"	1" 5/16-12	1" 1/16-12	36,4	15,1	23,1	36
	240	JUNFMA2121	25	1"	1" 5/16-12	1" 5/16-12	36,4	15,1	23,1	41
		JUNFMA2126	25	1"	1" 5/16-12	1" 5/8-12	38,9	15,1	23,1	50
		JUNFMA2621	28-30-32	1" 1/4	1" 5/8-12	1" 5/16-12	38,9	15,1	24,3	46
		JUNFMA2626	28-30-32	1" 1/4	1" 5/8-12	1" 5/8-12	39,9	15,1	24,3	50
		JUNFMA3026	35-38	1" 1/2	1" 7/8-12	1" 5/8-12	42,9	15,1	27,5	50
	JUNFMA3030	35-38	1" 1/2	1" 7/8-12	1" 7/8-12	44,9	15,1	27,5	55	

ADATTATORE MASCHIO/MASCHIO

Filetto Metrico

ADAPTOR MALE/MALE

Thread Metric



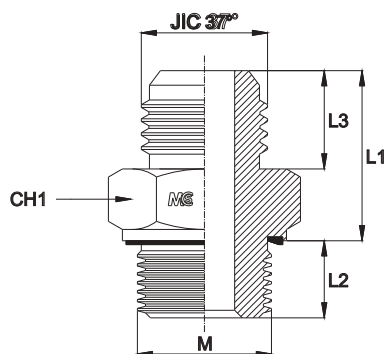
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	M	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JMMA07101	6	1/4"	7/16"-20	10x1	22,0	8,0	14,0	14
		JMMA071215	6	1/4"	7/16"-20	12x1,5	22,5	12,0	14,0	17
		JMMA08101	8	5/16"	1/2"-20	10x1	22,0	8,0	14,0	14
		JMMA081215	8	5/16"	1/2"-20	12x1,5	22,5	12,0	14,0	17
		JMMA081415	8	5/16"	1/2"-20	14x1,5	22,5	12,0	14,0	19
		JMMA091415	10	3/8"	9/16"-18	14x1,5	23,4	12,0	14,1	19
		JMMA091615	10	3/8"	9/16"-18	16x1,5	23,4	12,0	14,1	22
		JMMA121415	12	1/2"	3/4"-16	14x1,5	25,8	12,0	16,7	19
		JMMA121615	12	1/2"	3/4"-16	16x1,5	25,8	12,0	16,7	22
		JMMA142215	14-15-16	5/8"	7/8"-14	22x1,5	30,8	14,0	19,3	27
	JMMA172215	18-20	3/4"	1" 1/16-12	22x1,5	34,6	14,0	21,9	27	
	JMMA17272	18-20	3/4"	1" 1/16-12	27x2	32,5	16,0	21,9	32	
	JMMA21272	25	1"	1" 5/16-12	27x2	34,5	16,0	23,1	32	
	JMMA21332	25	1"	1" 5/16-12	33x2	34,5	18,0	23,1	41	
	JMMA26422	28-30-32	1" 1/4	1" 5/8-12	42x2	38,0	20,0	24,3	50	
JMMA30482	35-38	1" 1/2	1" 7/8-12	48x2	41,5	22,0	27,5	55		

ADATTATORE MASCHIO/MASCHIO CON GUARNIZIONE INCASSATA

Filetto Metrico

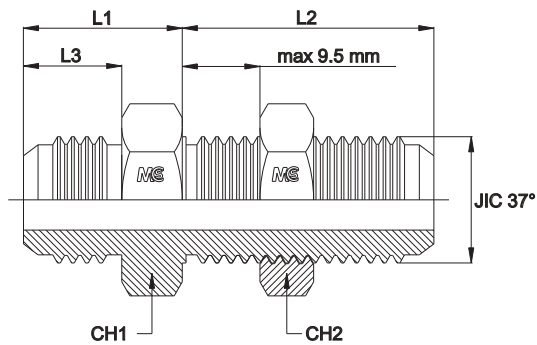
ADAPTOR MALE/MALE WITH CAPTIVE SEAL

Thread Metric



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	M	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JMMA07101V	6	1/4"	7/16"-20	10x1	22,0	8,0	14,0	14
		JMMA071215V	6	1/4"	7/16"-20	12x1,5	22,5	12,0	14,0	17
		JMMA08101V	8	5/16"	1/2"-20	10x1	22,0	8,0	14,0	14
		JMMA081215V	8	5/16"	1/2"-20	12x1,5	22,5	12,0	14,0	17
		JMMA081415V	8	5/16"	1/2"-20	14x1,5	22,5	12,0	14,0	19
		JMMA091415V	10	3/8"	9/16"-18	14x1,5	23,4	12,0	14,1	19
		JMMA091615V	10	3/8"	9/16"-18	16x1,5	23,4	12,0	14,1	22
		JMMA121415V	12	1/2"	3/4"-16	14x1,5	25,8	12,0	16,7	19
		JMMA121615V	12	1/2"	3/4"-16	16x1,5	25,8	12,0	16,7	22
		JMMA142215V	14-15-16	5/8"	7/8"-14	22x1,5	30,8	14,0	19,3	27
	JMMA172215V	18-20	3/4"	1" 1/16-12	22x1,5	34,6	14,0	21,9	27	
	JMMA17272V	18-20	3/4"	1" 1/16-12	27x2	32,5	16,0	21,9	32	
	290	JMMA21272V	25	1"	1" 5/16-12	27x2	34,5	16,0	23,1	32
	JMMA21332V	25	1"	1" 5/16-12	33x2	34,5	18,0	23,1	41	
	240	JMMA26422V	28-30-32	1" 1/4	1" 5/8-12	42x2	38,0	20,0	24,3	50
JMMA30482V	35-38	1" 1/2	1" 7/8-12	48x2	41,5	22,0	27,5	55		

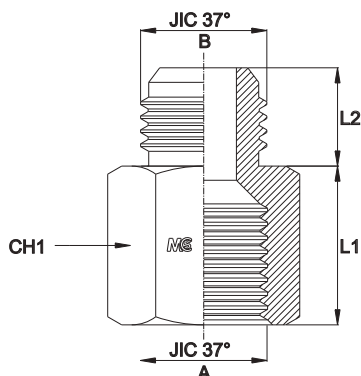
PASSAPARETE CON DADO BULKHEAD ADAPTOR WITH NUT



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	L3	CH1	CH2
UNIVERSALE UNIVERSAL	450	JBMA07	6	1/4"	7/16"-20	21,0	31,5	14,0	17	17
		JBMA08	8	5/16"	1/2"-20	21,0	31,5	14,0	19	19
	350	JBMA09	10	3/8"	9/16"-18	21,9	33,5	14,1	22	22
		JBMA12	12	1/2"	3/4"-16	24,3	37,6	16,7	24	24
		JBMA14	14-15-16	5/8"	7/8"-14	28,7	41,1	19,3	30	30
	290	JBMA17	18-20	3/4"	1"1/16-12	33,1	45,4	21,9	36	36
		JBMA21	25	1"	1"5/16-12	33,9	45,5	23,1	41	41
	240	JBMA26	28-30-32	1"1/4	1"5/8-12	37,2	46,7	24,3	50	50
		JBMA30	35-38	1"1/2	1"7/8-12	42,5	47,0	27,5	55	55
	105	JBMA40	50	2"	2"1/2-12	52,6	53,0	33,9	65	70

ADATTATORE MASCHIO/FEMMINA FISSA

ADAPTOR MALE/FIXED FEMALE



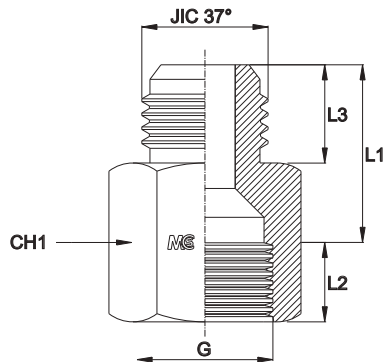
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo A ^M Tube O.D. A ^M	Ø Est. Tubo B ^M Tube O.D. B ^M	Ø Est. Tubo A ^W Tube O.D. A ^W	Ø Est. Tubo B ^W Tube O.D. B ^W	JIC 37° A	JIC 37° B	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	JMFFA0709	10	6	3/8"	1/4"	9/16"-18	7/16"-20	19,0	14,0	19
		JMFFA0712	12	6	1/2"	1/4"	3/4"-16	7/16"-20	21,9	14,0	22
		JMFFA0812	12	8	1/2"	5/16"	3/4"-16	1/2"-20	21,9	14,0	22
		JMFFA0912	12	10	1/2"	3/8"	3/4"-16	9/16"-18	21,8	14,1	22
		JMFFA0714	14-15-16	6	5/8"	1/4"	7/8"-14	7/16"-20	25,2	14,0	27
		JMFFA0814	14-15-16	8	5/8"	5/16"	7/8"-14	1/2"-20	25,2	14,0	27
		JMFFA0914	14-15-16	10	5/8"	3/8"	7/8"-14	9/16"-18	25,1	14,1	27
		JMFFA0717	18-20	6	3/4"	1/4"	1"1/16-12	7/16"-20	26,4	14,0	32
		JMFFA0817	18-20	8	3/4"	5/16"	1"1/16-12	1/2"-20	26,4	14,0	32
	JMFFA0917	18-20	10	3/4"	3/8"	1"1/16-12	9/16"-18	26,3	14,1	32	
	JMFFA1217	18-20	12	3/4"	1/2"	1"1/16-12	3/4"-16	26,2	16,7	32	
	290	JMFFA0721	25	6	1"	1/4"	1"5/16-12	7/16"-20	29,3	14,0	41
		JMFFA0821	25	8	1"	5/16"	1"5/16-12	1/2"-20	29,3	14,0	41
		JMFFA0921	25	10	1"	3/8"	1"5/16-12	9/16"-18	29,2	14,1	41
		JMFFA1221	25	12	1"	1/2"	1"5/16-12	3/4"-16	28,6	16,7	41
		JMFFA1421	25	14-15-16	1"	5/8"	1"5/16-12	7/8"-14	24,5	19,3	41
		JMFFA1721	25	18-20	1"	3/4"	1"5/16-12	1"1/16-12	28,9	21,9	41
	240	JMFFA0726	28-30-32	6	1"1/4	1/4"	1"5/8-12	7/16"-20	31,8	14,0	50
		JMFFA0826	28-30-32	8	1"1/4	5/16"	1"5/8-12	1/2"-20	31,8	14,0	50
		JMFFA0926	28-30-32	10	1"1/4	3/8"	1"5/8-12	9/16"-18	31,7	14,1	50
		JMFFA1226	28-30-32	12	1"1/4	1/2"	1"5/8-12	3/4"-16	31,6	16,7	50
		JMFFA1426	28-30-32	14-15-16	1"1/4	5/8"	1"5/8-12	7/8"-14	31,5	19,3	50
		JMFFA1726	28-30-32	18-20	1"1/4	3/4"	1"5/8-12	1"1/16-12	31,4	21,9	50
		JMFFA2126	28-30-32	25	1"1/4	1"	1"5/8-12	1"5/16-12	31,7	23,1	50
		JMFFA0730	35-38	6	1"1/2	1/4"	1"7/8-12	7/16"-20	36,4	14,0	60
		JMFFA0830	35-38	8	1"1/2	5/16"	1"7/8-12	1/2"-20	36,4	14,0	60
		JMFFA0930	35-38	10	1"1/2	3/8"	1"7/8-12	9/16"-18	36,3	14,1	60
		JMFFA1230	35-38	12	1"1/2	1/2"	1"7/8-12	3/4"-16	36,2	16,7	60
		JMFFA1430	35-38	14-15-16	1"1/2	5/8"	1"7/8-12	7/8"-14	36,1	19,3	60
		JMFFA1730	35-38	18-20	1"1/2	3/4"	1"7/8-12	1"1/16-12	36,5	21,9	60
		JMFFA2130	35-38	25	1"1/2	1"	1"7/8-12	1"5/16-12	36,3	23,1	60
		JMFFA2630	35-38	28-30-32	1"1/2	1"1/4	1"7/8-12	1"5/8-12	36,2	24,3	60

ADATTATORE MASCHIO/FEMMINA FISSA

Filetto Gas Cilindrico

ADAPTOR MALE/FIXED FEMALE

Thread BSP Parallel



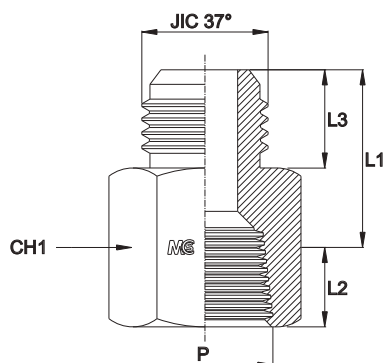
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JBSPMFFA0702	6	1/4"	7/16"-20	1/8"	20,0	10,0	14,0	14
		JBSPMFFA0704	6	1/4"	7/16"-20	1/4"	21,0	13,0	14,0	19
		JBSPMFFA0802	8	5/16"	1/2"-20	1/8"	20,0	10,0	14,0	14
		JBSPMFFA0804	8	5/16"	1/2"-20	1/4"	21,0	13,0	14,0	19
		JBSPMFFA0904	10	3/8"	9/16"-18	1/4"	21,0	13,0	14,1	19
		JBSPMFFA0906	10	3/8"	9/16"-18	3/8"	22,0	14,0	14,1	22
		JBSPMFFA0908	10	3/8"	9/16"-18	1/2"	23,5	16,0	14,1	27
		JBSPMFFA1204	12	1/2"	3/4"-16	1/4"	25,0	13,0	16,7	22
		JBSPMFFA1206	12	1/2"	3/4"-16	3/8"	25,0	14,0	16,7	22
		JBSPMFFA1208	12	1/2"	3/4"-16	1/2"	26,0	16,0	16,7	27
	JBSPMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	28,5	16,0	19,3	27	
	JBSPMFFA1708	18-20	3/4"	1"1/16-12	1/2"	31,0	16,0	21,9	30	
	JBSPMFFA1712	18-20	3/4"	1"1/16-12	3/4"	32,0	18,0	21,9	30	
	290	JBSPMFFA2116	25	1"	1"5/16-12	1"	32,5	21,0	23,1	41
240	JBSPMFFA2616	28-30-32	1"1/4	1"5/8-12	1"	34,0	21,0	24,3	46	
	JBSPMFFA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	37,0	22,0	24,3	50	
	JBSPMFFA3020	35-38	1"1/2	1"7/8-12	1"1/4	40,5	22,0	27,5	50	
	JBSPMFFA3024	35-38	1"1/2	1"7/8-12	1"1/2	40,0	22,0	27,5	55	

ADATTATORE MASCHIO/FEMMINA FISSA

Filetto NPT

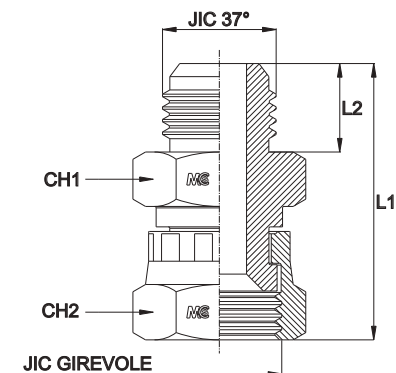
ADAPTOR MALE/FIXED FEMALE

Thread NPT



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	JNPTMFFA0702	6	1/4"	7/16"-20	1/8"	20,5	12,0	14,0	14
		JNPTMFFA0704	6	1/4"	7/16"-20	1/4"	21,5	16,0	14,0	14
		JNPTMFFA0802	8	5/16"	1/2"-20	1/8"	20,5	12,0	14,0	14
		JNPTMFFA0804	8	5/16"	1/2"-20	1/4"	21,5	16,0	14,0	14
		JNPTMFFA0904	10	3/8"	9/16"-18	1/4"	21,5	16,0	14,1	17
		JNPTMFFA0906	10	3/8"	9/16"-18	3/8"	22,5	16,0	14,1	19
		JNPTMFFA1204	12	1/2"	3/4"-16	1/4"	25,5	16,0	16,7	22
		JNPTMFFA1206	12	1/2"	3/4"-16	3/8"	25,0	16,0	16,7	22
		JNPTMFFA1208	12	1/2"	3/4"-16	1/2"	26,5	21,0	16,7	22
		JNPTMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	29,0	21,0	19,3	24
	JNPTMFFA1708	18-20	3/4"	1"1/16-12	1/2"	32,0	21,0	21,9	30	
	JNPTMFFA1712	18-20	3/4"	1"1/16-12	3/4"	32,5	21,0	21,9	30	
	290	JNPTMFFA2116	25	1"	1"5/16-12	1"	36,0	21,0	23,1	36
	240	JNPTMFFA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	39,5	26,0	24,3	46
JNPTMFFA3024		35-38	1"1/2	1"7/8-12	1"1/2	42,5	27,0	27,5	50	

ADATTATORE MASCHIO/FEMMINA GIREVOLE JIC MALE/SWIVEL FEMALE ADAPTOR



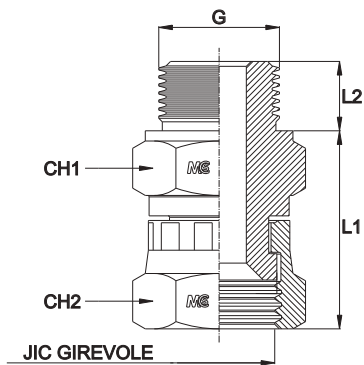
Serie Series	Bar W.P.	Codice Code	JIC 37°	JIC 37°	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JMSFA0707	7/16"-20	7/16"-20	41,0	14,0	14	17
		JMSFA0808	1/2"-20	1/2"-20	41,0	14,0	14	17
		JMSFA0909	9/16"-18	9/16"-18	41,9	14,1	17	19
		JMSFA1212	3/4"-16	3/4"-16	48,3	16,7	22	24
		JMSFA1414	7/8"-14	7/8"-14	55,7	19,3	24	27
		JMSFA1717	1"1/16-12	1"1/16-12	62,1	21,9	27	32
	290	JMSFA2121	1"5/16-12	1"5/16-12	65,9	23,1	36	38
	240	JMSFA2626	1"5/8-12	1"5/8-12	71,2	24,3	46	50
		JMSFA3030	1"7/8-12	1"7/8-12	80,5	27,5	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE ADAPTOR

Thread BSP Parallel



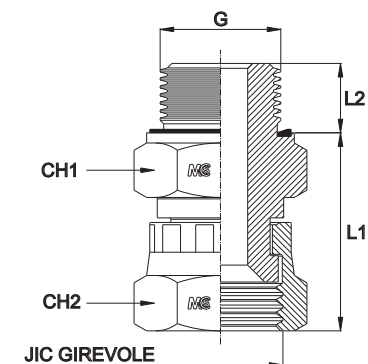
Serie Series	Bar W.P.	Codice Code	JIC 37°	G	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JBSPSFMA0702	7/16"-20	1/8"	27,5	8,0	14	17
		JBSPSFMA0704	7/16"-20	1/4"	28,5	11,0	19	17
		JBSPSFMA0706	7/16"-20	3/8"	29,5	12,0	22	17
		JBSPSFMA0802	1/2"-20	1/8"	27,5	8,0	14	17
		JBSPSFMA0804	1/2"-20	1/4"	28,5	11,0	19	17
		JBSPSFMA0806	1/2"-20	3/8"	29,5	12,0	22	17
		JBSPSFMA0904	9/16"-18	1/4"	28,5	11,0	19	19
		JBSPSFMA0906	9/16"-18	3/8"	29,5	12,0	22	19
		JBSPSFMA0908	9/16"-18	1/2"	29,5	14,0	27	19
		JBSPSFMA1204	3/4"-16	1/4"	32,5	11,0	19	24
		JBSPSFMA1206	3/4"-16	3/8"	33,5	12,0	22	24
		JBSPSFMA1208	3/4"-16	1/2"	33,5	14,0	27	24
	JBSPSFMA1406	7/8"-14	3/8"	36,5	12,0	22	27	
	JBSPSFMA1408	7/8"-14	1/2"	36,5	14,0	27	27	
	JBSPSFMA1412	7/8"-14	3/4"	38,0	16,0	32	27	
	JBSPSFMA1708	1"1/16-12	1/2"	38,5	14,0	27	32	
	JBSPSFMA1712	1"1/16-12	3/4"	40,0	16,0	32	32	
	JBSPSFMA1716	1"1/16-12	1"	42,0	18,0	41	32	
	JBSPSFMA2112	1"5/16-12	3/4"	43,0	16,0	32	38	
	JBSPSFMA2116	1"5/16-12	1"	45,0	18,0	41	38	
	JBSPSFMA2120	1"5/16-12	1"1/4	45,0	20,0	50	38	
	JBSPSFMA2616	1"5/8-12	1"	47,0	18,0	41	50	
	JBSPSFMA2620	1"5/8-12	1"1/4	47,0	20,0	50	50	
	JBSPSFMA3020	1"7/8-12	1"1/4	51,0	20,0	50	55	
JBSPSFMA3024	1"7/8-12	1"1/2	52,5	22,0	55	55		

ADATTATORE MASCHIO/FEMMINA GIR. CON GUARNIZIONE INCASSATA

Filetto Gas Cilindrico

MALE/SWIVEL FEMALE ADAPTOR WITH CAPTIVE SEAL

Thread BSP Parallel



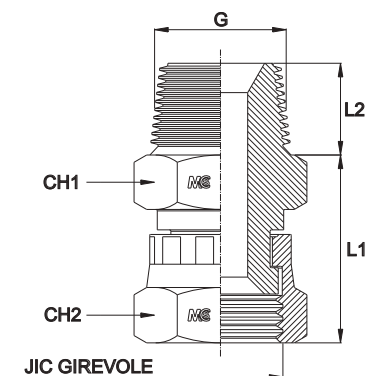
Serie Series	Bar W.P.	Codice Code	JIC 37°	G	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JBSPSFMA0702V	7/16"-20	1/8"	27,5	8,0	14	17
		JBSPSFMA0704V	7/16"-20	1/4"	28,5	11,0	19	17
		JBSPSFMA0706V	7/16"-20	3/8"	29,5	12,0	22	17
		JBSPSFMA0802V	1/2"-20	1/8"	27,5	8,0	14	17
		JBSPSFMA0804V	1/2"-20	1/4"	28,5	11,0	19	17
		JBSPSFMA0806V	1/2"-20	3/8"	29,5	12,0	22	17
		JBSPSFMA0904V	9/16"-18	1/4"	28,5	11,0	19	19
		JBSPSFMA0906V	9/16"-18	3/8"	29,5	12,0	22	19
		JBSPSFMA0908V	9/16"-18	1/2"	29,5	14,0	27	19
		JBSPSFMA1204V	3/4"-16	1/4"	32,5	11,0	19	24
		JBSPSFMA1206V	3/4"-16	3/8"	33,5	12,0	22	24
		JBSPSFMA1208V	3/4"-16	1/2"	33,5	14,0	27	24
	JBSPSFMA1406V	7/8"-14	3/8"	36,5	12,0	22	27	
	JBSPSFMA1408V	7/8"-14	1/2"	36,5	14,0	27	27	
	JBSPSFMA1412V	7/8"-14	3/4"	38,0	16,0	32	27	
	JBSPSFMA1708V	1"1/16-12	1/2"	38,5	14,0	27	32	
	JBSPSFMA1712V	1"1/16-12	3/4"	40,0	16,0	32	32	
	JBSPSFMA1716V	1"1/16-12	1"	42,0	18,0	41	32	
	JBSPSFMA2112V	1"5/16-12	3/4"	43,0	16,0	32	38	
	JBSPSFMA2116V	1"5/16-12	1"	45,0	18,0	41	38	
	JBSPSFMA2120V	1"5/16-12	1"1/4	45,0	20,0	50	38	
	JBSPSFMA2616V	1"5/8-12	1"	47,0	18,0	41	50	
	JBSPSFMA2620V	1"5/8-12	1"1/4	47,0	20,0	50	50	
	JBSPSFMA3020V	1"7/8-12	1"1/4	51,0	20,0	50	55	
JBSPSFMA3024V	1"7/8-12	1"1/2	52,5	22,0	55	55		

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Gas Conico

MALE/SWIVEL FEMALE ADAPTOR

Thread BSP Taper



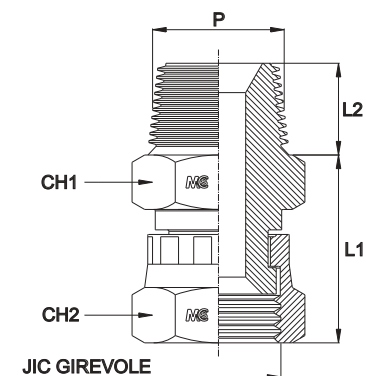
Serie Series	Bar W.P.	Codice Code	JIC 37°	G	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JBSPTSFMA0702	7/16"-20	1/8"	27,0	8,0	14	17
		JBSPTSFMA0704	7/16"-20	1/4"	27,0	13,0	14	17
		JBSPTSFMA0802	1/2"-20	1/8"	27,0	8,0	14	17
		JBSPTSFMA0804	1/2"-20	1/4"	27,0	13,0	14	17
		JBSPTSFMA0904	9/16"-18	1/4"	27,0	13,0	14	19
		JBSPTSFMA0906	9/16"-18	3/8"	28,5	14,0	19	19
		JBSPTSFMA1204	3/4"-16	1/4"	31,0	13,0	14	24
		JBSPTSFMA1206	3/4"-16	3/8"	32,5	14,0	19	24
		JBSPTSFMA1208	3/4"-16	1/2"	33,5	17,0	22	24
		JBSPTSFMA1406	7/8"-14	3/8"	35,5	14,0	19	27
		JBSPTSFMA1408	7/8"-14	1/2"	36,5	17,0	22	27
		JBSPTSFMA1412	7/8"-14	3/4"	37,0	17,5	27	27
	JBSPTSFMA1708	1"1/16-12	1/2"	38,5	17,0	22	32	
	290	JBSPTSFMA1712	1"1/16-12	3/4"	39,0	17,5	27	32
		JBSPTSFMA1716	1"1/16-12	1"	40,0	22,0	36	32
		JBSPTSFMA2112	1"5/16-12	3/4"	42,0	17,5	27	38
	240	JBSPTSFMA2116	1"5/16-12	1"	43,0	22,0	36	38
		JBSPTSFMA2620	1"5/8-12	1"1/4	45,0	24,0	46	50
		JBSPTSFMA3024	1"7/8-12	1"1/2	49,5	24,0	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto NPT

MALE/SWIVEL FEMALE ADAPTOR

Thread NPT



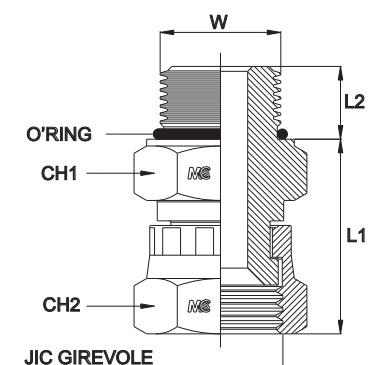
Serie Series	Bar W.P.	Codice Code	JIC 37°	P	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JNPTSFMA0702	7/16"-20	1/8"	27,0	10,0	14	17
		JNPTSFMA0704	7/16"-20	1/4"	27,0	14,0	14	17
		JNPTSFMA0802	1/2"-20	1/8"	27,0	10,0	14	17
		JNPTSFMA0804	1/2"-20	1/4"	27,0	14,0	14	17
		JNPTSFMA0902	9/16"-18	1/8"	27,0	10,0	14	19
		JNPTSFMA0904	9/16"-18	1/4"	27,0	14,0	14	19
		JNPTSFMA0906	9/16"-18	3/8"	28,5	14,0	19	19
		JNPTSFMA0908	9/16"-18	1/2"	29,5	19,0	22	19
		JNPTSFMA1204	3/4"-16	1/4"	31,0	14,0	14	24
		JNPTSFMA1206	3/4"-16	3/8"	32,5	14,0	19	24
		JNPTSFMA1208	3/4"-16	1/2"	33,5	19,0	22	24
		JNPTSFMA1212	3/4"-16	3/4"	34,0	19,0	27	24
		JNPTSFMA1406	7/8"-14	3/8"	35,5	14,0	19	27
		JNPTSFMA1408	7/8"-14	1/2"	36,5	19,0	22	27
	JNPTSFMA1412	7/8"-14	3/4"	37,0	19,0	27	27	
	JNPTSFMA1708	1" 1/16-12	1/2"	38,5	19,0	22	32	
	JNPTSFMA1712	1" 1/16-12	3/4"	39,0	19,0	27	32	
	290	JNPTSFMA2112	1" 5/16-12	3/4"	42,0	19,0	27	38
		JNPTSFMA2116	1" 5/16-12	1"	43,0	19,0	36	38
	240	JNPTSFMA2616	1" 5/8-12	1"	45,0	19,0	36	50
JNPTSFMA2620		1" 5/8-12	1" 1/4	45,0	24,0	46	50	
		JNPTSFMA3024	1" 7/8-12	1" 1/2	49,5	25,0	50	55

ADATTATORE MASCHIO/FEMMINA GIREVOLE CON O'RING

Filetto UNF/UN-2A

MALE/SWIVEL FEMALE ADAPTOR WITH O'RING

Thread UNF/UN-2A



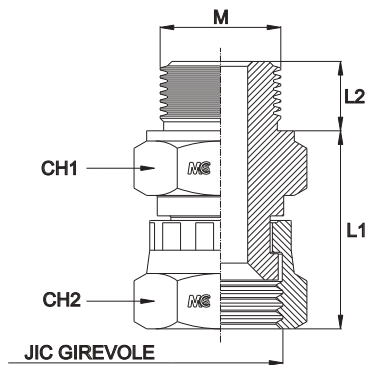
Serie Series	Bar W.P.	Codice Code	JIC 37°	W	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JUNFSFMA0707	7/16"-20	7/16"-20	28,5	9,1	14	17
		JUNFSFMA0708	7/16"-20	1/2"-20	28,5	9,1	17	17
		JUNFSFMA0709	7/16"-20	9/16"-18	29,3	10,0	17	17
		JUNFSFMA0808	1/2"-20	1/2"-20	28,5	9,1	17	17
		JUNFSFMA0909	9/16"-18	9/16"-18	29,3	10,0	17	19
		JUNFSFMA0912	9/16"-18	3/4"-16	29,6	11,1	22	19
		JUNFSFMA1212	3/4"-16	3/4"-16	33,6	11,1	22	24
		JUNFSFMA1214	3/4"-16	7/8"-14	35,4	12,7	27	24
		JUNFSFMA1217	3/4"-16	1"1/16-12	37,2	15,1	32	24
		JUNFSFMA1412	7/8"-14	3/4"-16	36,6	11,1	22	27
		JUNFSFMA1414	7/8"-14	7/8"-14	38,4	12,7	27	27
		JUNFSFMA1417	7/8"-14	1"1/16-12	40,2	15,1	32	27
	JUNFSFMA1712	1"1/16-12	3/4"-16	38,6	11,1	22	32	
	JUNFSFMA1714	1"1/16-12	7/8"-14	40,4	12,7	27	32	
	JUNFSFMA1717	1"1/16-12	1"1/16-12	42,2	15,1	32	32	
	290	JUNFSFMA1721	1"1/16-12	1"5/16-12	41,8	15,1	38	32
JUNFSFMA2117		1"5/16-12	1"1/16-12	45,2	15,1	32	38	
JUNFSFMA2121		1"5/16-12	1"5/16-12	44,8	15,1	38	38	
240	JUNFSFMA2126	1"5/16-12	1"5/8-12	46,9	15,1	50	38	
	JUNFSFMA2626	1"5/8-12	1"5/8-12	48,9	15,1	50	50	
	JUNFSFMA3030	1"7/8-12	1"7/8-12	55,0	15,1	55	55	

ADATTATORE MASCHIO/FEMMINA GIREVOLE

Filetto Metrico

MALE/SWIVEL FEMALE ADAPTOR

Thread Metric



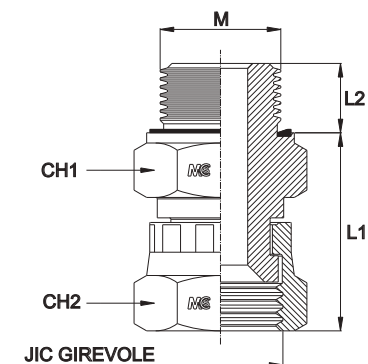
Serie Series	Bar W.P.	Codice Code	JIC 37°	M	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JMSFMA07101	7/16"-20	10x1,0	27,5	8,0	14	14
		JMSFMA071215	7/16"-20	12x1,5	28,5	12,0	17	14
		JMSFMA08101	1/2"-20	10x1,0	27,5	8,0	14	17
		JMSFMA081215	1/2"-20	12x1,5	28,5	12,0	17	17
		JMSFMA081415	1/2"-20	14x1,5	28,5	12,0	19	17
		JMSFMA091415	9/16"-18	14x1,5	28,5	12,0	19	19
		JMSFMA091615	9/16"-18	16x1,5	28,5	12,0	22	19
		JMSFMA121615	3/4"-16	16x1,5	32,5	12,0	22	22
		JMSFMA121815	3/4"-16	18x1,5	34,5	12,0	24	22
		JMSFMA141815	7/8"-14	18x1,5	37,5	12,0	24	27
		JMSFMA142015	7/8"-14	20x1,5	38,0	14,0	27	27
		JMSFMA142215	7/8"-14	22x1,5	38,5	14,0	27	27
	JMSFMA172215	1"1/16-12	22x1,5	40,5	14,0	27	32	
	JMSFMA17272	1"1/16-12	27x2,0	-	16,0	32	32	
	290	JMSFMA21272	1"5/16-12	27x2,0	-	16,0	32	41
		JMSFMA21332	1"5/16-12	33x2,0	-	18,0	41	41
240	JMSFMA26422	1"5/8-12	42x2,0	-	20,0	50	50	
	JMSFMA30482	1"7/8-12	48x2,0	-	22,0	55	60	

ADATTATORE MASCHIO/FEMMINA GIREVOLE CON GUARNIZIONE INCASSATA

Filetto Metrico

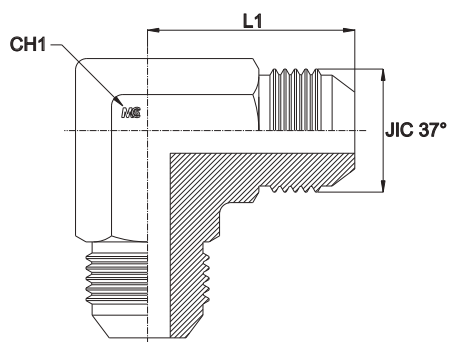
MALE/SWIVEL FEMALE ADAPTOR WITH CAPTIVE SEAL

Thread Metric



Serie Series	Bar W.P.	Codice Code	JIC 37°	M	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	350	JMSFMA07101V	7/16"-20	10x1	27,5	8,0	14	14
		JMSFMA071215V	7/16"-20	12x1,5	28,5	8,0	17	14
		JMSFMA08101V	1/2"-20	10x1	27,5	8,0	14	17
		JMSFMA081215V	1/2"-20	12x1,5	28,5	8,0	17	17
		JMSFMA081415V	1/2"-20	14x1,5	28,5	12,0	19	17
		JMSFMA091415V	9/16"-18	14x1,5	28,5	12,0	19	19
		JMSFMA091615V	9/16"-18	16x1,5	28,5	12,0	22	19
		JMSFMA121615V	3/4"-16	16x1,5	32,5	12,0	22	22
		JMSFMA121815V	3/4"-16	18x1,5	34,5	12,0	24	22
		JMSFMA141815V	7/8"-14	18x1,5	37,5	12,0	24	27
		JMSFMA142015V	7/8"-14	20x1,5	38,0	14,0	27	27
		JMSFMA142215V	7/8"-14	22x1,5	38,5	14,0	27	27
	JMSFMA172215V	1"1/16-12	22x1,5	40,5	14,0	27	32	
	JMSFMA17272V	1"1/16-12	27x2	-	16,0	32	32	
	290	JMSFMA21272V	1"5/16-12	27x2	-	16,0	32	41
JMSFMA21332V		1"5/16-12	33x2	-	18,0	41	41	
240	JMSFMA26422V	1"5/8-12	42x2	-	20,0	50	50	
	JMSFMA30482V	1"7/8-12	48x2	-	22,0	55	60	

ADATTATORE A 90° MASCHIO MALE EQUAL ELBOW



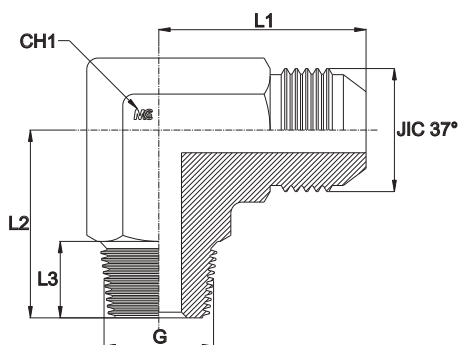
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	LJMA0707	6	1/4"	7/16"-20	23,0	12
		LJMA0808	8	5/16"	1/2"-20	24,0	14
	350	LJMA0909	10	3/8"	9/16"-18	27,5	14
		LJMA1212	12	1/2"	3/4"-16	32,0	19
		LJMA1414	14-15-16	5/8"	7/8"-14	37,0	22
	290	LJMA1717	18-20	3/4"	1"1/16-12	42,0	27
		LJMA2121	25	1"	1"5/16-12	46,0	33
	240	LJMA2626	28-30-32	1"1/4	1"5/8-12	53,0	41
		LJMA3030	35-38	1"1/2	1"7/8-12	59,0	50
	105	LJMA4040	50	2"	2"1/2-12	77,5	65

ADATTATORE A 90° MASCHIO

Filetto Gas Conico

MALE STUD ELBOW

Thread BSP Taper



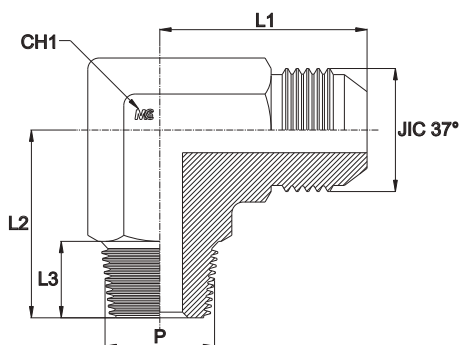
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	LJBSPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	8,0	12
		LJBSPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	13,0	14
		LJBSPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	8,0	12
		LJBSPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	13,0	14
		LJBSPTMA0902	10	3/8"	9/16"-18	1/8"	25,5	20,0	8,0	12
		LJBSPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	13,0	14
		LJBSPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19
		LJBSPTMA0908	10	3/8"	9/16"-18	1/2"	31,5	37,5	17,0	22
		LJBSPTMA1204	12	1/2"	3/4"-16	1/4"	32,0	31,0	13,0	14
		LJBSPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19
		LJBSPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	17,0	22
		LJBSPTMA1212	12	1/2"	3/4"-16	3/4"	36,0	40,0	17,5	27
	LJBSPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
	LJBSPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	17,0	22	
	LJBSPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	17,5	27	
	LJBSPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	17,0	27	
	LJBSPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	17,5	27	
	290	LJBSPTMA1716	18-20	3/4"	1"1/16-12	1"	45,0	50,0	22,0	33
		LJBSPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	17,5	27
		LJBSPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	22,0	33
240	LJBSPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	22,0	33	
	LJBSPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41	
	LJBSPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	24,0	50	

ADATTATORE A 90° MASCHIO

Filetto NPT

MALE STUD ELBOW

Thread NPT



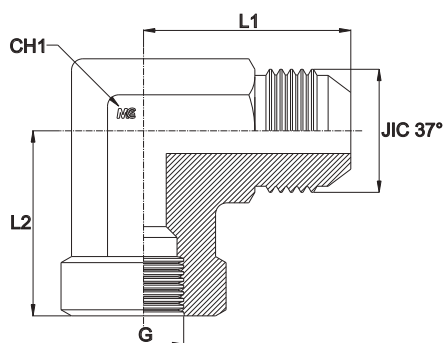
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	L3	CH1
UNIVERSALE UNIVERSAL	350	LJNPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	10,0	12
		LJNPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	14,0	14
		LJNPTMA0706	6	1/4"	7/16"-20	3/8"	29,0	31,0	14,0	19
		LJNPTMA0708	6	1/4"	7/16"-20	1/2"	31,0	37,5	19,0	22
		LJNPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	10,0	12
		LJNPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	14,0	14
		LJNPTMA0902	10	3/8"	9/16"-18	1/8"	25,5	20,0	10,0	12
		LJNPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	14,0	14
		LJNPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19
		LJNPTMA0908	10	3/8"	9/16"-18	1/2"	31,5	37,5	19,0	22
		LJNPTMA1204	12	1/2"	3/4"-16	1/4"	32,0	31,0	14,0	14
		LJNPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19
	LJNPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	19,0	22	
	LJNPTMA1212	12	1/2"	3/4"-16	3/4"	36,0	40,0	19,0	27	
	LJNPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
	LJNPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	19,0	22	
	LJNPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	19,0	27	
	LJNPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	19,0	27	
	LJNPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	19,0	27	
	LJNPTMA1716	18-20	3/4"	1"1/16-12	1"	45,0	50,0	19,0	33	
	LJNPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	19,0	27	
	LJNPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	19,0	33	
	LJNPTMA2120	25	1"	1"5/16-12	1"1/4	52,0	60,0	24,0	41	
	LJNPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	19,0	33	
LJNPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41		
LJNPTMA2624	28-30-32	1"1/4	1"5/8-12	1"1/2	55,0	67,0	25,0	50		
LJNPTMA3020	35-38	1"1/2	1"7/8-12	1"1/4	59,0	66,0	24,0	41		
LJNPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	25,0	50		

ADATTATORE A 90° MASCHIO/FEMMINA FISSA

Filetto Gas Cilindrico

MALE/FEMALE STUD ELBOW

Thread BSP Parallel



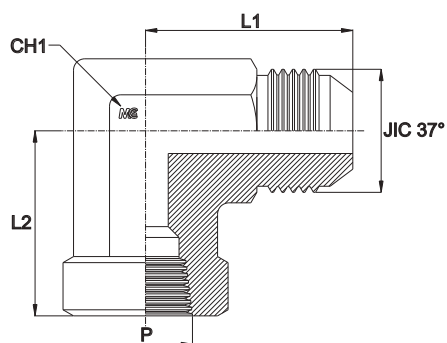
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	LJBSPMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		LJBSPMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		LJBSPMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		LJBSPMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		LJBSPMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		LJBSPMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		LJBSPMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		LJBSPMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		LJBSPMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		LJBSPMFFA1208	12	1/2"	3/4"-16	1/2"	36,0	31,0	27
	LJBSPMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27	
	LJBSPMFFA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	31,0	27	
	LJBSPMFFA1712	18-20	3/4"	1"1/16-12	3/4"	48,0	34,5	33	
	290	LJBSPMFFA2116	25	1"	1"5/16-12	1"	55,0	41,0	41
	240	LJBSPMFFA2616	28-30-32	1"1/4	1"5/8-12	1"	55,0	41,0	41
		LJBSPMFFA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	59,0	43,0	50
LJBSPMFFA3020		35-38	1"1/2	1"7/8-12	1"1/4	59,0	43,0	50	
LJBSPMFFA3024		35-38	1"1/2	1"7/8-12	1"1/2	73,0	53,0	65	

ADATTATORE A 90° MASCHIO/FEMMINA FISSA

Filetto NPT

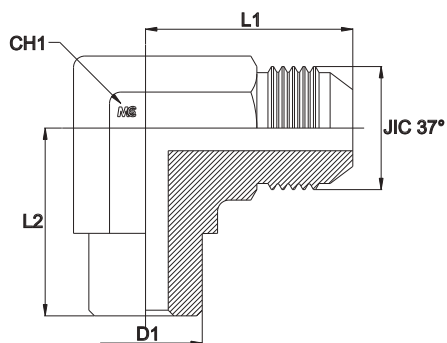
MALE/FEMALE STUD ELBOW

Thread NPT



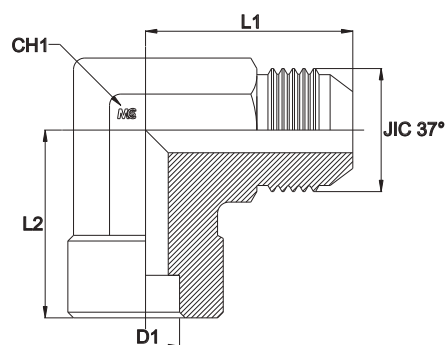
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	LJNPTMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		LJNPTMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		LJNPTMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		LJNPTMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		LJNPTMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		LJNPTMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		LJNPTMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		LJNPTMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		LJNPTMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		LJNPTMFFA1208	12	1/2"	3/4"-16	1/2"	36,0	31,0	27
		LJNPTMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27
		LJNPTMFFA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	31,0	27
	LJNPTMFFA1712	18-20	3/4"	1"1/16-12	3/4"	48,0	34,5	33	
	290	LJNPTMFFA2116	25	1"	1"5/16-12	1"	55,0	41,0	41
240	LJNPTMFFA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	59,0	43,0	50	
	LJNPTMFFA3024	35-38	1"1/2	1"7/8-12	1"1/2	73,0	53,0	65	

ADATTATORE A 90° A CODOLO STUD STANDPIPE ELBOW



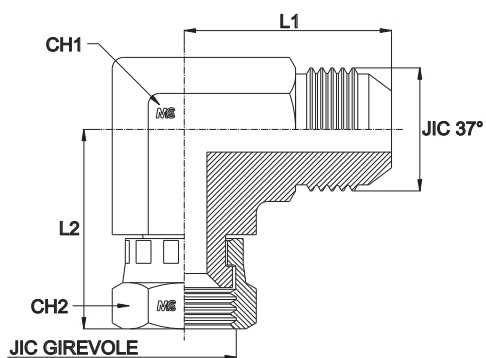
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	D1	CH1
UNIVERSALE UNIVERSAL	450	LJWMA0715	6	1/4"	7/16"-20	31,0	22,5	15,0	14
		LJWMA0815	8	5/16"	1/2"-20	31,0	22,5	15,0	14
		LJWMA0816	8	5/16"	1/2"-20	27,0	16,0	16,0	14
	350	LJWMA0915	10	3/8"	9/16"-18	31,0	22,5	15,0	14
		LJWMA0916	10	3/8"	9/16"-18	27,0	16,0	16,0	14
		LJWMA0922	10	3/8"	9/16"-18	29,0	18,0	22,0	19
		LJWMA1218	12	1/2"	3/4"-16	34,0	20,0	18,0	22
		LJWMA1220	12	1/2"	3/4"-16	36,0	26,0	20,0	19
		LJWMA1222	12	1/2"	3/4"-16	31,5	18,0	22,0	19
		LJWMA1422	14-15-16	5/8"	7/8"-14	36,5	20,0	22,0	22
		LJWMA1423	14-15-16	5/8"	7/8"-14	41,5	31,0	23,0	22
		LJWMA1427	14-15-16	5/8"	7/8"-14	40,0	23,0	27,0	27
	LJWMA1728	18-20	3/4"	1"1/16-12	48,0	34,5	28,0	27	
	290	LJWMA2135	25	1"	1"5/16-12	52,0	41,0	35,0	33
	240	LJWMA2642	28-30-32	1"1/4	1"5/8-12	59,0	43,0	42,0	41
		LJWMA3050	35-38	1"1/2	1"7/8-12	66,0	53,0	50,0	50

ADATTATORE A 90° A SALDARE FEMMINA JIC WELDING FEMALE STUD ELBOW



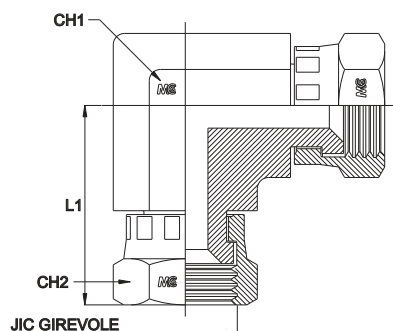
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	D1	CH1
UNIVERSALE UNIVERSAL	450	LJWMA07T06	6	1/4"	7/16"-20	23,0	10,0	6,0	12
		LJWMA08T10	8	5/16"	1/2"-20	27,0	16,0	10,0	14
	350	LJWMA09T10	10	3/8"	9/16"-18	27,5	16,0	10,0	14
		LJWMA09T12	10	3/8"	9/16"-18	29,5	18,0	12,0	19
		LJWMA12T12	12	1/2"	3/4"-16	32,0	18,0	12,0	19
		LJWMA12T16	12	1/2"	3/4"-16	34,0	20,0	16,0	22
		LJWMA14T14	14-15-16	5/8"	7/8"-14	37,0	20,0	14,0	22
		LJWMA14T16	14-15-16	5/8"	7/8"-14	37,0	20,0	16,0	22
		LJWMA14T18	14-15-16	5/8"	7/8"-14	40,0	23,0	18,0	27
		LJWMA14T22	14-15-16	5/8"	7/8"-14	40,0	23,0	22,0	27
		LJWMA17T18	18-20	3/4"	1"1/16-12	42,0	23,0	18,0	27
		LJWMA17T20	18-20	3/4"	1"1/16-12	42,0	23,0	20,0	27
	LJWMA17T25	18-20	3/4"	1"1/16-12	46,0	26,0	25,0	33	
	290	LJWMA21T25	25	1"	1"5/16-12	46,0	26,0	25,0	33
		LJWMA21T32	25	1"	1"5/16-12	51,0	33,0	32,0	41
	240	LJWMA26T30	28-30-32	1"1/4	1"5/8-12	53,0	33,0	30,0	41
		LJWMA26T32	28-30-32	1"1/4	1"5/8-12	53,0	33,0	32,0	41
		LJWMA26T38	28-30-32	1"1/2	1"5/8-12	56,0	35,0	38,0	50
LJWMA30T38		35-38	1"1/2	1"7/8-12	59,0	35,0	38,0	50	

ADATTATORE A 90° MASCHIO/FEMMINA GIREVOLE MALE/SWIVEL FEMALE STUD ELBOW



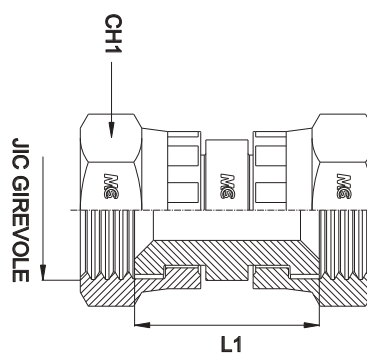
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	450	LJMSFA07	6	1/4"	7/16"-20	22,5	25,2	12	17
		LJMSFA08	8	5/16"	1/2"-20	24,0	25,9	14	17
	350	LJMSFA09	10	3/8"	9/16"-18	27,0	30,8	14	19
		LJMSFA12	12	1/2"	3/4"-16	32,0	33,9	19	24
		LJMSFA14	14-15-16	5/8"	7/8"-14	37,0	40,9	22	27
		LJMSFA17	18-20	3/4"	1"1/16-12	42,0	42,1	27	32
	290	LJMSFA21	25	1"	1"5/16-12	46,0	49,7	33	38
	240	LJMSFA26	28-30-32	1"1/4	1"5/8-12	52,5	56,3	41	50
		LJMSFA30	35-38	1"1/2	1"7/8-12	59,0	64,2	50	55

ADATTATORE A 90° FEMMINA GIREVOLE SWIVEL FEMALE EQUAL ELBOW



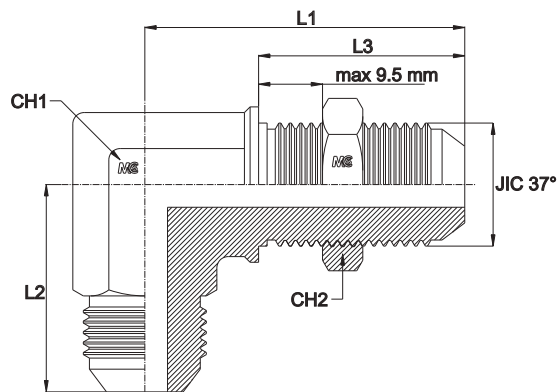
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1	CH2
UNIVERSALE UNIVERSAL	450	LJSFA07	6	1/4"	7/16"-20	25,2	12	17
		LJSFA08	8	5/16"	1/2"-20	25,9	14	17
	350	LJSFA09	10	3/8"	9/16"-18	30,8	14	19
		LJSFA12	12	1/2"	3/4"-16	33,9	19	24
		LJSFA14	14-15-16	5/8"	7/8"-14	40,9	22	27
		LJSFA17	18-20	3/4"	1"1/16-12	42,1	27	32
	290	LJSFA21	25	1"	1"5/16-12	49,7	33	38
	240	LJSFA26	28-30-32	1"1/4	1"5/8-12	56,3	41	50
		LJSFA30	35-38	1"1/2	1"7/8-12	64,2	50	55

ADATTATORE FEMMINA GIREVOLE BOTH SWIVEL FEMALE ADAPTOR



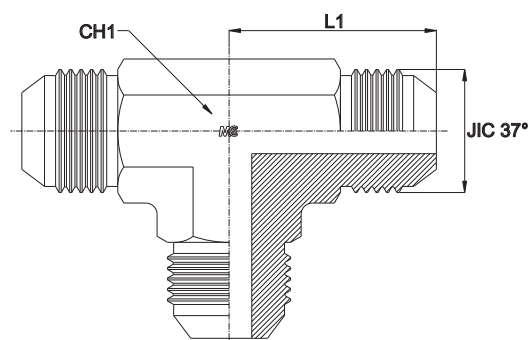
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	JSFA0707	6	1/4"	7/16"-20	25,5	17
		JSFA0808	8	5/16"	1/2"-20	20,5	17
	350	JSFA0909	10	3/8"	9/16"-18	20,5	19
		JSFA1212	12	1/2"	3/4"-16	24,5	24
		JSFA1414	14-15-16	5/8"	7/8"-14	24,5	27
		JSFA1717	18-20	3/4"	1"1/16-12	32,0	32
	290	JSFA2121	25	1"	1"5/16-12	35,0	38
	240	JSFA2626	28-30-32	1"1/4	1"5/8-12	40,0	50
		JSFA3030	35-38	1"1/2	1"7/8-12	41,5	55

PASSAPARETE A 90° CON DADO BULKHEAD MALE ELBOW (WITH NUT)



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	L3	CH1	CH2
UNIVERSALE UNIVERSAL	450	LJBMA07	6	1/4"	7/16"-20	40,5	24,5	28,3	12	17
		LJBMA08	8	5/16"	1/2"-20	43,5	27,0	28,3	14	19
	350	LJBMA09	10	3/8"	9/16"-18	46,0	27,5	30,1	14	22
		LJBMA12	12	1/2"	3/4"-16	53,5	34,5	35,0	19	24
		LJBMA14	14-15-16	5/8"	7/8"-14	60,5	39,5	38,5	22	30
	290	LJBMA17	18-20	3/4"	1"1/16-12	68,0	45,0	42,8	27	36
		LJBMA21	25	1"	1"5/16-12	71,0	49,5	42,8	33	41
	240	LJBMA26	28-30-32	1"1/4	1"5/8-12	79,0	55,0	44,1	41	50
		LJBMA30	35-38	1"1/2	1"7/8-12	87,0	59,5	44,3	50	55

ADATTATORE A "T" MASCHIO MALE EQUAL TEE



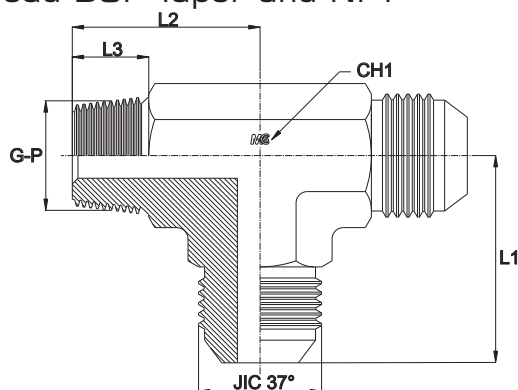
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	TJMA0707	6	1/4"	7/16"-20	23,0	12
		TJMA0808	8	5/16"	1/2"-20	24,0	14
	350	TJMA0909	10	3/8"	9/16"-18	27,5	14
		TJMA1212	12	1/2"	3/4"-16	32,0	19
		TJMA1414	14-15-16	5/8"	7/8"-14	37,0	22
	290	TJMA1717	18-20	3/4"	1"1/16-12	42,0	27
		TJMA2121	25	1"	1"5/16-12	46,0	33
	240	TJMA2626	28-30-32	1"1/4	1"5/8-12	53,0	41
		TJMA3030	35-38	1"1/2	1"7/8-12	59,0	50
	105	TJMA4040	50	2"	2"1/2-12	77,5	65

ADATTATORE A "T" LATERALE MASCHIO

Filetto Gas Conico e NPT

MALE STUD BARREL TEE

Thread BSP Taper and NPT



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1	
UNIVERSALE UNIVERSAL	350	TLJBSPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	8,0	12	
		TLJBSPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	13,0	14	
		TLJBSPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	8,0	12	
		TLJBSPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	13,0	14	
		TLJBSPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	13,0	14	
		TLJBSPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19	
		TLJBSPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19	
		TLJBSPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	17,0	22	
		TLJBSPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
		TLJBSPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	17,0	22	
		TLJBSPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	17,5	27	
		TLJBSPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	17,0	22	
	TLJBSPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	17,5	27		
	290	TLJBSPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	17,5	27	
		TLJBSPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	22,0	33	
	240	TLJBSPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	22,0	33	
		TLJBSPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41	
			TLJBSPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	24,0	50

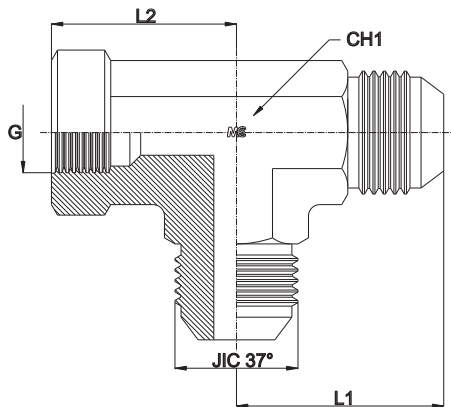
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	L3	CH1	
UNIVERSALE UNIVERSAL	350	TLJNPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	10,0	12	
		TLJNPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	14,0	14	
		TLJNPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	10,0	12	
		TLJNPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	14,0	14	
		TLJNPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	14,0	14	
		TLJNPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19	
		TLJNPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19	
		TLJNPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	19,0	22	
		TLJNPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
		TLJNPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	19,0	22	
		TLJNPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	19,0	27	
		TLJNPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	19,0	22	
	TLJNPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	19,0	27		
	290	TLJNPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	19,0	27	
		TLJNPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	19,0	33	
	240	TLJNPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	19,0	33	
		TLJNPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41	
			TLJNPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	25,0	50

ADATTATORE A "T" LATERALE MASCHIO/FEMMINA FISSA

Filetto Gas Cilindrico

MALE/FEMALE STUD BARREL TEE

Thread BSP Parallel



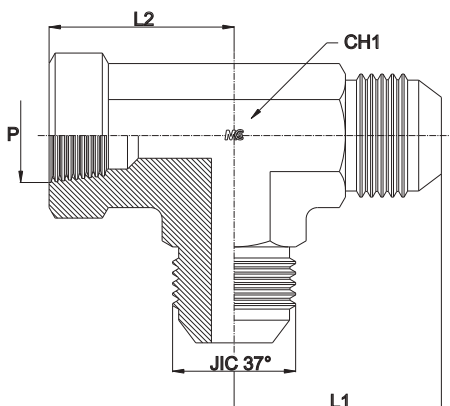
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	TLJBSPMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		TLJBSPMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		TLJBSPMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		TLJBSPMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		TLJBSPMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		TLJBSPMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		TLJBSPMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		TLJBSPMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		TLJBSPMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		TLJBSPMFFA1208	12	1/2"	3/4"-16	1/2"	36,0	31,0	27
	TLJBSPMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27	
	TLJBSPMFFA1708	18-20	3/4"	1" 1/16-12	1/2"	42,0	31,0	27	
	TLJBSPMFFA1712	18-20	3/4"	1" 1/16-12	3/4"	48,0	34,5	33	
	290	TLJBSPMFFA2116	25	1"	1" 5/16-12	1"	55,0	41,0	41
	240	TLJBSPMFFA2616	28-30-32	1" 1/4	1" 5/8-12	1"	59,0	41,0	41
TLJBSPMFFA2620		28-30-32	1" 1/4	1" 5/8-12	1" 1/4	55,0	43,0	50	
TLJBSPMFFA3020		35-38	1" 1/2	1" 7/8-12	1" 1/4	59,0	43,0	50	
TLJBSPMFFA3024		35-38	1" 1/2	1" 7/8-12	1" 1/2	73,0	53,0	65	

ADATTATORE A "T" LATERALE MASCHIO/FEMMINA FISSA

Filetto NPT

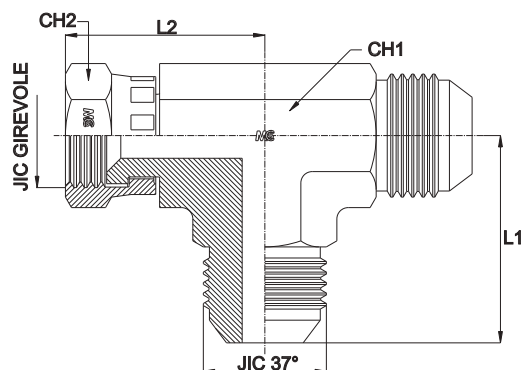
MALE/FEMALE STUD BARREL TEE

Thread NPT



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	TLJNPTMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		TLJNPTMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		TLJNPTMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		TLJNPTMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		TLJNPTMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		TLJNPTMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		TLJNPTMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		TLJNPTMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		TLJNPTMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		TLJNPTMFFA1208	12	1/2"	3/4"-16	1/2"	36,0	31,0	27
		TLJNPTMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27
		TLJNPTMFFA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	31,0	27
	TLJNPTMFFA1712	18-20	3/4"	1"1/16-12	3/4"	48,0	34,5	33	
	290	TLJNPTMFFA2116	25	1"	1"5/16-12	1"	55,0	41,0	41
240	TLJNPTMFFA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	59,0	43,0	50	
	TLJNPTMFFA3024	35-38	1"1/2	1"7/8-12	1"1/2	73,0	53,0	65	

ADATTATORE A "T" LATERALE MASCHIO/FEMMINA GIREVOLE MALE/SWIVEL FEMALE STUD BARREL TEE



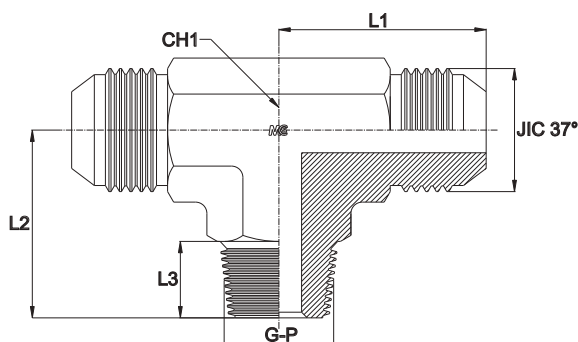
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	450	TLJMSFA07	6	1/4"	7/16"-20	23,0	25,2	12	17
		TLJMSFA08	8	5/16"	1/2"-20	24,0	25,9	14	17
	350	TLJMSFA09	10	3/8"	9/16"-18	27,5	30,8	14	19
		TLJMSFA12	12	1/2"	3/4"-16	32,0	33,9	19	24
		TLJMSFA14	14-15-16	5/8"	7/8"-14	37,0	40,9	22	27
	290	TLJMSFA17	18-20	3/4"	1"1/16-12	42,0	42,1	27	32
		TLJMSFA21	25	1"	1"5/16-12	46,0	49,7	33	38
	240	TLJMSFA26	28-30-32	1"1/4	1"5/8-12	53,0	56,3	41	50
		TLJMSFA30	35-38	1"1/2	1"7/8-12	59,0	64,2	50	55

ADATTATORE MASCHIO A "T" CENTRALE

Filetto Gas Conico e NPT

MALE STUD BRANCH TEE

Thread BSP Taper and NPT



Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	L3	CH1	
UNIVERSALE UNIVERSAL	350	TCJBSPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	8,0	12	
		TCJBSPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	13,0	14	
		TCJBSPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	8,0	12	
		TCJBSPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	13,0	14	
		TCJBSPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	13,0	14	
		TCJBSPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19	
		TCJBSPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19	
		TCJBSPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	17,0	22	
		TCJBSPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
		TCJBSPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	17,0	22	
		TCJBSPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	17,5	27	
		TCJBSPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	17,0	22	
	TCJBSPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	17,5	27		
	290	TCJBSPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	17,5	27	
		TCJBSPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	22,0	33	
	240	TCJBSPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	22,0	33	
		TCJBSPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41	
			TCJBSPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	24,0	50

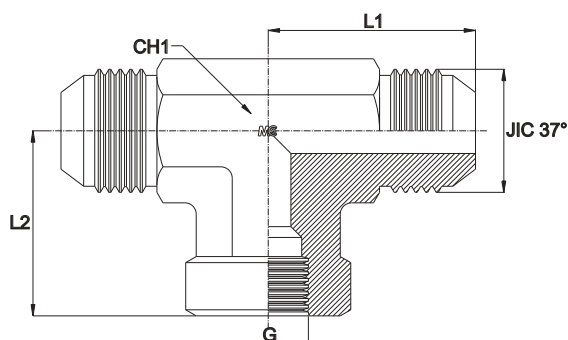
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	P	L1	L2	L3	CH1	
UNIVERSALE UNIVERSAL	350	TCJNPTMA0702	6	1/4"	7/16"-20	1/8"	23,0	20,0	10,0	12	
		TCJNPTMA0704	6	1/4"	7/16"-20	1/4"	24,0	28,0	14,0	14	
		TCJNPTMA0802	8	5/16"	1/2"-20	1/8"	24,0	20,0	10,0	12	
		TCJNPTMA0804	8	5/16"	1/2"-20	1/4"	24,0	28,0	14,0	14	
		TCJNPTMA0904	10	3/8"	9/16"-18	1/4"	27,5	28,0	14,0	14	
		TCJNPTMA0906	10	3/8"	9/16"-18	3/8"	29,5	31,0	14,0	19	
		TCJNPTMA1206	12	1/2"	3/4"-16	3/8"	32,0	31,0	14,0	19	
		TCJNPTMA1208	12	1/2"	3/4"-16	1/2"	34,0	37,5	19,0	22	
		TCJNPTMA1406	14-15-16	5/8"	7/8"-14	3/8"	37,0	31,0	14,0	22	
		TCJNPTMA1408	14-15-16	5/8"	7/8"-14	1/2"	37,0	37,5	19,0	22	
		TCJNPTMA1412	14-15-16	5/8"	7/8"-14	3/4"	39,0	40,0	19,0	27	
		TCJNPTMA1708	18-20	3/4"	1"1/16-12	1/2"	42,0	37,5	19,0	22	
	TCJNPTMA1712	18-20	3/4"	1"1/16-12	3/4"	42,0	40,0	19,0	27		
	290	TCJNPTMA2112	25	1"	1"5/16-12	3/4"	46,0	40,0	19,0	27	
		TCJNPTMA2116	25	1"	1"5/16-12	1"	46,0	50,0	19,0	33	
	240	TCJNPTMA2616	28-30-32	1"1/4	1"5/8-12	1"	53,0	51,0	19,0	33	
		TCJNPTMA2620	28-30-32	1"1/4	1"5/8-12	1"1/4	53,0	60,0	24,0	41	
			TCJNPTMA3024	35-38	1"1/2	1"7/8-12	1"1/2	59,0	67,0	25,0	50

ADATTATORE A "T" CENTRALE MASCHIO/FEMMINA FISSA

Filetto Gas Cilindrico

MALE/FEMALE STUD BRANCH TEE

Thread BSP Parallel



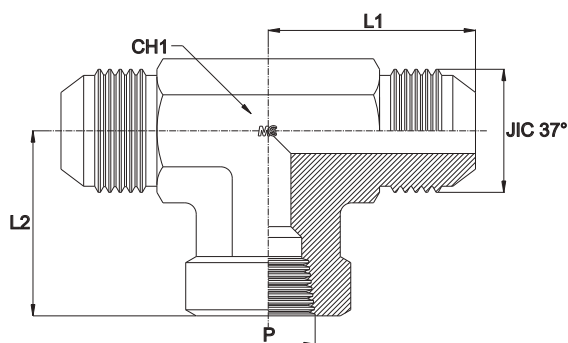
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	TCJBSPMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		TCJBSPMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		TCJBSPMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		TCJBSPMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		TCJBSPMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		TCJBSPMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		TCJBSPMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		TCJBSPMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		TCJBSPMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		TCJBSPMFFA1208	12	1/2"	3/4"-16	1/2"	31,5	26,0	27
		TCJBSPMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27
		TCJBSPMFFA1708	18-20	3/4"	1" 1/16-12	1/2"	42,0	31,0	27
	TCJBSPMFFA1712	18-20	3/4"	1" 1/16-12	3/4"	48,0	34,5	33	
	290	TCJBSPMFFA2116	25	1"	1" 5/16-12	1"	55,0	41,0	41
	240	TCJBSPMFFA2616	28-30-32	1" 1/4	1" 5/8-12	1"	55,0	41,0	41
		TCJBSPMFFA2620	28-30-32	1" 1/4	1" 5/8-12	1" 1/4	59,0	43,0	50
TCJBSPMFFA3020		35-38	1" 1/2	1" 7/8-12	1" 1/4	59,0	43,0	50	
TCJBSPMFFA3024		35-38	1" 1/2	1" 7/8-12	1" 1/2	73,0	53,0	65	

ADATTATORE A "T" CENTRALE MASCHIO/FEMMINA FISSA

Filetto NPT

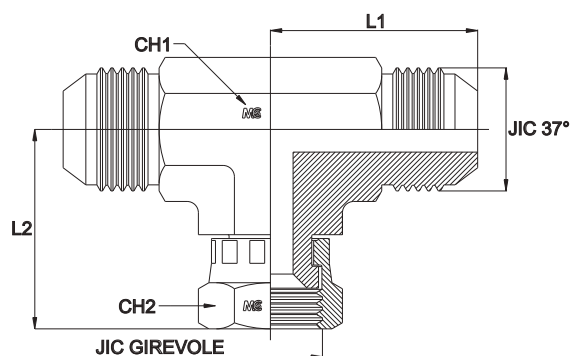
MALE/FEMALE STUD BRANCH TEE

Thread NPT



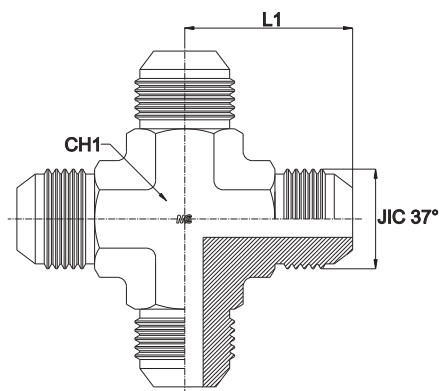
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	G	L1	L2	CH1
UNIVERSALE UNIVERSAL	350	TCJNPTMFFA0702	6	1/4"	7/16"-20	1/8"	27,5	17,0	14
		TCJNPTMFFA0704	6	1/4"	7/16"-20	1/4"	29,0	22,5	19
		TCJNPTMFFA0802	8	5/16"	1/2"-20	1/8"	27,5	17,0	14
		TCJNPTMFFA0804	8	5/16"	1/2"-20	1/4"	29,0	22,5	19
		TCJNPTMFFA0902	10	3/8"	9/16"-18	1/8"	27,5	17,0	14
		TCJNPTMFFA0904	10	3/8"	9/16"-18	1/4"	31,0	22,5	19
		TCJNPTMFFA0906	10	3/8"	9/16"-18	3/8"	31,5	26,0	22
		TCJNPTMFFA1204	12	1/2"	3/4"-16	1/4"	32,0	22,5	19
		TCJNPTMFFA1206	12	1/2"	3/4"-16	3/8"	36,0	26,0	22
		TCJNPTMFFA1208	12	1/2"	3/4"-16	1/2"	36,0	31,0	27
		TCJNPTMFFA1408	14-15-16	5/8"	7/8"-14	1/2"	42,0	31,0	27
		TCJNPTMFFA1708	18-20	3/4"	1" 1/16-12	1/2"	42,0	31,0	27
	TCJNPTMFFA1712	18-20	3/4"	1" 1/16-12	3/4"	48,0	34,5	33	
	290	TCJNPTMFFA2116	25	1"	1" 5/16-12	1"	55,0	41,0	41
240	TCJNPTMFFA2620	28-30-32	1" 1/4	1" 5/8-12	1,1/4"	59,0	43,0	50	
	TCJNPTMFFA3024	35-38	1" 1/2	1" 7/8-12	1,1/2"	73,0	53,0	65	

ADATTATORE A "T" CENTRALE MASCHIO/FEMMINA GIREVOLE MALE/SWIVEL FEMALE STUD BRANCH TEE



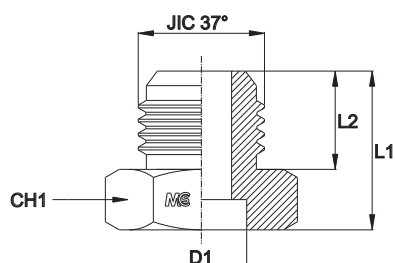
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	CH1	CH2
UNIVERSALE UNIVERSAL	450	TCJMSFA07	6	1/4"	7/16"-20	23,0	25,2	12	17
		TCJMSFA08	8	5/16"	1/2"-20	24,0	25,9	14	17
	350	TCJMSFA09	10	3/8"	9/16"-18	27,5	30,8	14	19
		TCJMSFA12	12	1/2"	3/4"-16	32,0	33,9	19	24
		TCJMSFA14	14-15-16	5/8"	7/8"-14	37,0	40,9	22	27
	290	TCJMSFA17	18-20	3/4"	1"1/16-12	42,0	42,1	27	32
		TCJMSFA21	25	1"	1"5/16-12	46,0	49,7	33	38
	240	TCJMSFA26	28-30-32	1"1/4	1"5/8-12	53,0	56,3	41	50
		TCJMSFA30	35-38	1"1/2	1"7/8-12	59,0	64,2	50	55

ADATTATORE A CROCE MASCHIO MALE EQUAL CROSS



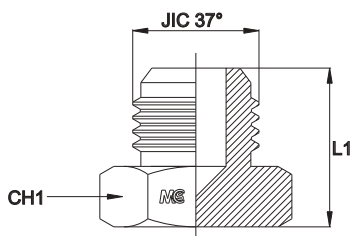
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	CRJMA07	6	1/4"	7/16"-20	23,0	12
		CRJMA08	8	5/16"	1/2"-20	24,0	14
	350	CRJMA09	10	3/8"	9/16"-18	27,5	14
		CRJMA12	12	1/2"	3/4"-16	32,0	19
		CRJMA14	14-15-16	5/8"	7/8"-14	37,0	22
		CRJMA17	18-20	3/4"	1" 1/16-12	42,0	27
	290	CRJMA21	25	1"	1" 5/16-12	46,0	33
	240	CRJMA26	28-30-32	1" 1/4	1" 5/8-12	53,0	41
		CRJMA30	35-38	1" 1/2	1" 7/8-12	59,0	50
	105	CRJMA40	50	2"	2" 1/2-12	77,5	65

ADATTATORE MASCHIO JIC A SALDARE (CON TASCA) JIC MALE SOCKETWELD ADAPTOR



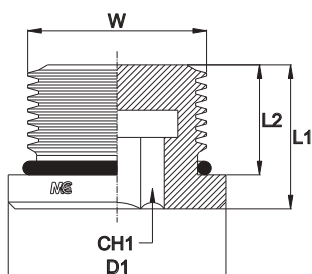
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	L2	D1	CH1
UNIVERSALE UNIVERSAL	450	JWMA07T06	6	1/4"	7/16"-20	21,0	14,0	6,0	14
		JWMA08T10	8	5/16"	1/2"-20	21,0	14,0	10,0	14
	350	JWMA09T10	10	3/8"	9/16"-18	21,9	14,1	10,0	17
		JWMA09T12	10	3/8"	9/16"-18	21,9	14,1	12,0	17
		JWMA12T12	12	1/2"	3/4"-16	24,3	16,7	12,0	22
		JWMA12T16	12	1/2"	3/4"-16	24,3	16,7	16,0	22
		JWMA12T18	12	1/2"	3/4"-16	24,3	16,7	18,0	22
		JWMA14T16	14-15-16	5/8"	7/8"-14	28,7	19,3	16,0	24
		JWMA14T18	14-15-16	5/8"	7/8"-14	28,7	19,3	18,0	24
		JWMA14T22	14-15-16	5/8"	7/8"-14	28,7	19,3	22,0	24
		JWMA17T18	18-20	3/4"	1" 1/16-12	33,1	21,9	18,0	30
		JWMA17T20	18-20	3/4"	1" 1/16-12	33,1	21,9	20,0	30
	JWMA17T25	18-20	3/4"	1" 1/16-12	33,1	21,9	25,0	30	
	290	JWMA21T25	25	1"	1" 5/16-12	33,9	23,1	25,0	36
		JWMA21T27	25	1"	1" 5/16-12	33,9	23,1	27,0	36
		JWMA21T32	25	1"	1" 5/16-12	33,9	23,1	32,0	36
	240	JWMA26T32	28-30-32	1" 1/4	1" 5/8-12	37,2	24,3	32,0	46
JWMA26T38		28-30-32	1" 1/4	1" 5/8-12	36,3	23,4	38,0	46	
		JWMA30T38	35-38	1" 1/2	1" 7/8-12	42,5	27,5	38,0	50

TAPPO MASCHIO MALE HEAD PLUG



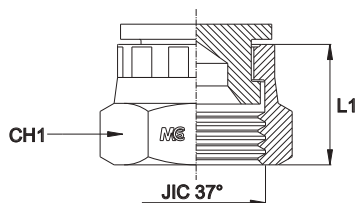
Serie Series	Bar W.P.	Codice Code	Ø Est. Tubo M Tube O.D. M	Ø Est. Tubo W Tube O.D. W	JIC 37°	L1	CH1
UNIVERSALE UNIVERSAL	450	JMHP07	6	1/4"	7/16"-20	21,0	14
		JMHP08	8	5/16"	1/2"-20	21,0	14
	350	JMHP09	10	3/8"	9/16"-18	21,9	17
		JMHP12	12	1/2"	3/4"-16	24,3	22
		JMHP14	14-15-16	5/8"	7/8"-14	28,7	24
	290	JMHP17	18-20	3/4"	1" 1/16-12	33,1	30
		JMHP21	25	1"	1" 5/16-12	33,9	36
	240	JMHP26	28-30-32	1" 1/4	1" 5/8-12	37,2	46
		JMHP30	35-38	1" 1/2	1" 7/8-12	42,5	50
	105	JMHP40	50	2"	2" 1/2-12	52,6	65

TAPPO MASCHIO AD ESAGONO INCASSATO CON O'RING MALE PLUG INTERNAL HEXAGON WITH O'RING



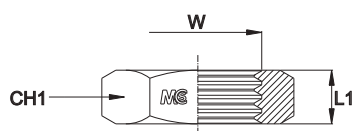
Serie Series	Bar W.P.	Codice Code	W	L1	L2	D1	CH1
UNIVERSALE UNIVERSAL	450	UNFMIP07	7/16"-20	12,0	9,1	14,0	6
		UNFMIP08	1/2"-20	12,0	9,1	16,0	6
	350	UNFMIP09	9/16"-18	12,7	10,0	17,5	6
		UNFMIP12	3/4"-16	14,8	11,1	22,0	8
		UNFMIP14	7/8"-14	16,5	12,7	25,5	10
		UNFMIP17	1" 1/16-12	19,5	15,1	32,0	12
	290	UNFMIP21	1" 5/16-12	19,5	15,1	38,0	17
		UNFMIP26	1" 5/8-12	19,5	15,1	48,0	22
	240	UNFMIP30	1" 7/8-12	19,5	15,1	54,0	22

TAPPO FEMMINA GIREVOLE SWIVEL FEMALE PLUG



Serie Series	Bar W.P.	Codice Code	W	L1	CH1
UNIVERSALE UNIVERSAL	450	JSFHP07	7/16"-20	17,0	17
		JSFHP08	1/2"-20	17,0	17
	350	JSFHP09	9/16"-18	17,0	19
		JSFHP12	3/4"-16	21,0	24
		JSFHP14	7/8"-14	24,0	27
		JSFHP17	1" 1/16-12	26,0	32
	290	JSFHP21	1" 5/16-12	29,0	38
	240	JSFHP26	1" 5/8-12	31,0	50
		JSFHP30	1" 7/8-12	35,0	55
	105	JSFHP40	2" 1/2-12	-	-

CONTRODADO PER PASSAPARETE LOCKNUT FOR BULKHEAD



Serie Series	Bar W.P.	Codice Code	W	L1	CH1
UNIVERSALE UNIVERSAL	450	JLN07	7/16"-20	7,1	17
		JLN08	1/2"-20	7,1	19
	350	JLN09	9/16"-18	7,1	22
		JLN12	3/4"-16	7,9	24
		JLN14	7/8"-14	9,1	30
	290	JLN17	1"1/16-12	10,4	36
		JLN21	1"5/16-12	10,4	41
	240	JLN26	1"5/8-12	10,4	50
		JLN30	1"7/8-12	10,4	55
	105	JLN40	2"1/2-12	10,4	70

MCS

HYDRAULICS

Raccordi Recuperabili *Reusable Fittings*



Collezione - Collection
2019

**INDICE
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**ISTRUZIONI DI MONTAGGIO
ASSEMBLY INSTRUCTIONS**

Pag. 7.3



**FEMMINA GIREVOLE GAS
CONO 60° RECUPERABILE
REUSABLE BSP SWIVEL
FEMALE 60° CONE**

Cod. RECBSPSF..

Pag. 7.4



**FEMMINA GIREVOLE 90° GAS
CONO 60° RECUPERABILE
90° REUSABLE BSP SWIVEL
FEMALE 60° CONE**

Cod. REC90BSPSF..

Pag. 7.5



**FEMMINA METRICA CONO 24°
RECUPERABILE - SERIE L
REUSABLE O'R METRIC
FEMALE 24° CONE - L SERIE**

Cod. RECORMSFL..

Pag. 7.6



**FEMMINA METRICA 90° CONO 24°
RECUPERABILE - SERIE L
REUSABLE 90° O'R METRIC
FEMALE 24° CONE - L SERIE**

Cod. REC90ORMSFL..

Pag. 7.7



**FEMMINA METRICA CON 24°
RECUPERABILE - SERIE S
REUSABLE O'R METRIC
FEMALE 24° CONE - S SERIE**

Cod. RECORMSFH..

Pag. 7.8



**FEMMINA METRICA 90° CONO 24°
RECUPERABILE - SERIE S
REUSABLE 90° O'R METRIC
FEMALE 24° CONE - S SERIE**

Cod. REC90ORMSFH..

Pag. 7.9



**FEMMINA GIREVOLE JIC
SV.74° RECUPERABILE
REUSABLE JIC SWIVEL
FEMALE 74° CONE**

Cod. RECJSF..

Pag. 7.10



**ERMETO RECUPERABILE
REUSABLE STANDPIPE**

Cod. RECSLH..

Pag. 7.11



**ERMETO 90° RECUPERABILE
REUSABLE 90° STANDPIPE**

Cod. REC90SLH..

Pag. 7.12



**MASCHIO GAS CILINDRICO
SV. 60° RECUPERABILE
REUSABLE BSP MALE
PARALLEL 60° CONE**

Cod. RECBSPM..

Pag. 7.13



**MASCHIO GAS CONICO
SV. 60° RECUPERABILE
REUSABLE BSP TAPER
MALE 60° CONE**

Cod. RECBSPTM..

Pag. 7.14



**MASCHIO NPT SV. 60° RECUPERABILE
REUSABLE NPT MALE 60° CONE**

Cod. RECNPMT..

Pag. 7.15



**MASCHIO METRICO SV. 24°
RECUPERABILE - SERIE L
REUSABLE METRIC MALE
24° CONE - L SERIE**

Cod. RECMLL..

Pag. 7.16



**MASCHIO METRICO SV. 24°
RECUPERABILE - SERIE S
REUSABLE METRIC MALE
24° CONE - S SERIE**

Cod. RECMMH..

Pag. 7.17



**GHIERA R1 RECUPERABILE PER TUBO:
SAE 100 R1AT (EN 853 1SN) -
EN 857 2SC - EN 854 2TE
REUSABLE R1 FERRULE FOR:
SAE 100 R1AT (EN 853 1SN) -
EN 857 2SC - EN 854 2TE HOSE TYPE**

Cod. RECFR1..

Pag. 7.18



**GHIERA R2 RECUPERABILE PER TUBO:
SAE 100 R2AT (EN 853 2SN) -
EN 854 3TE
REUSABLE R2 FERRULE FOR:
SAE 100 R2AT (EN 853 2SN) -
EN 854 3TE HOSE TYPE**

Cod. RECFR2..

Pag. 7.19

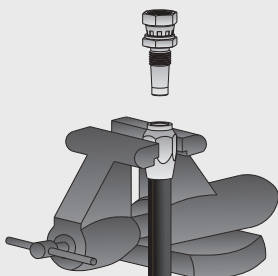
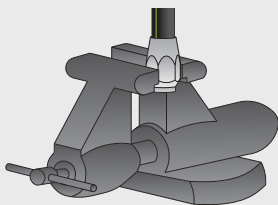
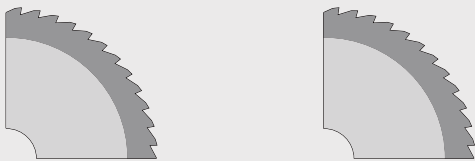
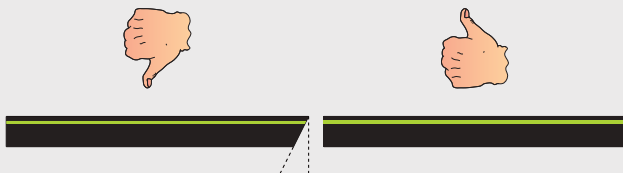


**GHIERA R7 RECUPERABILE PER TUBO:
SAE 100 R7-R8 (EN 855 R7-R8)
REUSABLE R7 FERRULE FOR:
SAE 100 R7-R8 (EN 855 R7-R8)HOSE TYPE**

Cod. RECFR7..

Pag. 7.20

- ISTRUZIONI DI MONTAGGIO - - ASSEMBLY INSTRUCTIONS -



1. Tagliare il tubo a 90° alla lunghezza desiderata usando una lama affilata. Pulire il tubo accuratamente

1. Cut the hose squarely to desired length, using a sharpened blade then clean the hose.

2. Posizionare la boccola in una morsa ed avvitare il tubo in senso antiorario fino al fondo della boccola, quindi svitare di ¼ di giro.

2. Place the ferrule into a vice, screw in the hose counterclockwise until it reaches the bottom of the ferrule, then back hose out by ¼ turn.

3. Marcare sia la boccola che il tubo per poter verificare possibili torsioni del tubo quando si inserisce l'inserto

3. Mark both hose and ferrule in order to be able to check possible hose rotation while placing the insert.

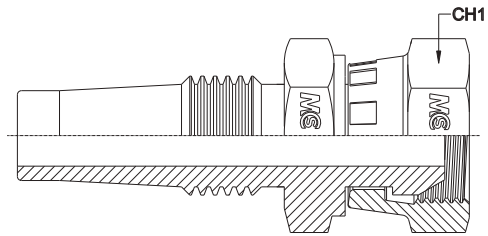
4. Ingrassare le filettature dell'inserto e della boccola ed oliare l'interno del tubo abbondantemente.

4. Lubricate the threads of both the insert and the ferrule and oil the hose (on the inside) liberally.

5. Inserire l'inserto nella boccola e stringere usando una chiave, è ammessa una distanza tra esagono del raccordo e boccola pari al massimo a 3 mm. Controllare l'allineamento della boccola e del tubo per assicurarsi che non ci siano state torsioni.

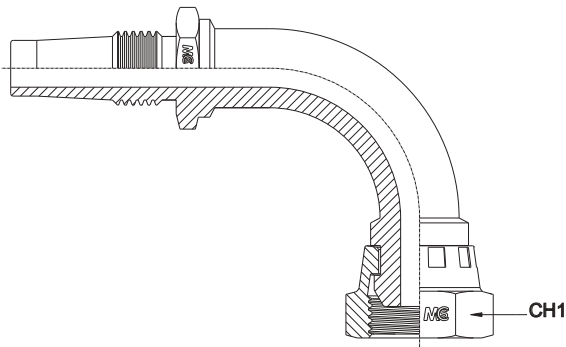
5. Press the fitting into the ferrule and tighten using a wrench. A gap of 3 mm between the hexagon of the fitting and the ferrule is acceptable. Check that markings made on fitting and ferrule are lined up.

FEMMINA GIREVOLE GAS CONO 60° RECUPERABILE
REUSABLE BSP SWIVEL FEMALE 60° CONE



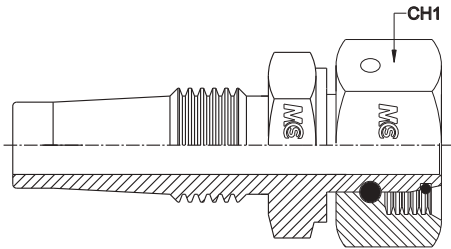
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECBSPSF0203	1/8"	3/16"	17
RECBSPSF0403	1/4"	3/16"	19
RECBSPSF0404	1/4"	1/4"	19
RECBSPSF0604	3/8"	1/4"	22
RECBSPSF0605	3/8"	5/16"	22
RECBSPSF0606	3/8"	3/8"	22
RECBSPSF0806	1/2"	3/8"	27
RECBSPSF0808	1/2"	1/2"	27
RECBSPSF1210	3/4"	5/8"	32
RECBSPSF1212	3/4"	3/4"	32
RECBSPSF1616	1"	1"	38

FEMMINA GIREVOLE 90° GAS CONO 60° RECUPERABILE
90° REUSABLE BSP SWIVEL FEMALE 60° CONE



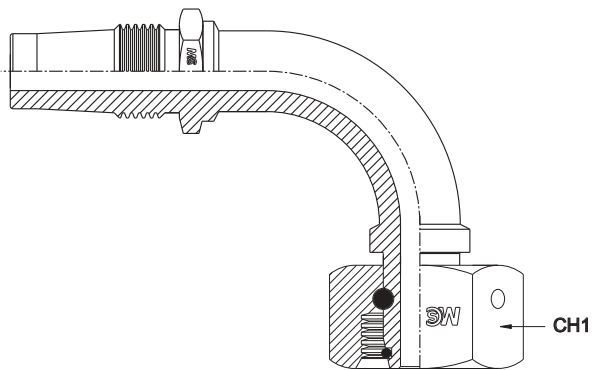
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
REC90BSPSF0203	1/8"	3/16"	17
REC90BSPSF0403	1/4"	3/16"	19
REC90BSPSF0404	1/4"	1/4"	19
REC90BSPSF0604	3/8"	1/4"	22
REC90BSPSF0605	3/8"	5/16"	22
REC90BSPSF0606	3/8"	3/8"	22
REC90BSPSF0806	1/2"	3/8"	27
REC90BSPSF0808	1/2"	1/2"	27
REC90BSPSF1210	3/4"	5/8"	32
REC90BSPSF1212	3/4"	3/4"	32
REC90BSPSF1616	1"	1"	38

FEMMINA METRICA CONO 24° RECUPERABILE - SERIE L
REUSABLE O'R METRIC FEMALE 24° CONE - L SERIE



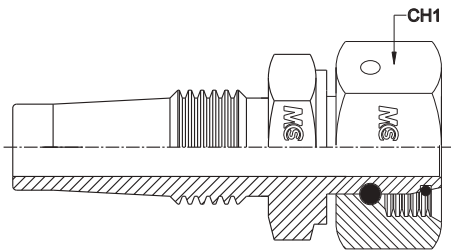
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	DIN 24°	CH1
RECORMSFL0603	3/16"	12x1,5	06L	14
RECORMSFL0604	1/4"	12x1,5	06L	14
RECORMSFL0803	3/16"	14x1,5	08L	17
RECORMSFL0804	1/4"	14x1,5	08L	17
RECORMSFL1004	1/4"	16x1,5	10L	19
RECORMSFL1005	5/16"	16x1,5	10L	19
RECORMSFL1205	5/16"	18x1,5	12L	22
RECORMSFL1206	3/8"	18x1,5	12L	22
RECORMSFL1508	1/2"	22x1,5	15L	27
RECORMSFL1810	5/8"	26x1,5	18L	32
RECORMSFL2212	3/4"	30x2	22L	36
RECORMSFL2816	1"	36x2	28L	41

FEMMINA METRICA 90° CONO 24° RECUPERABILE - SERIE L
REUSABLE 90° O'R METRIC FEMALE 24° CONE - L SERIE



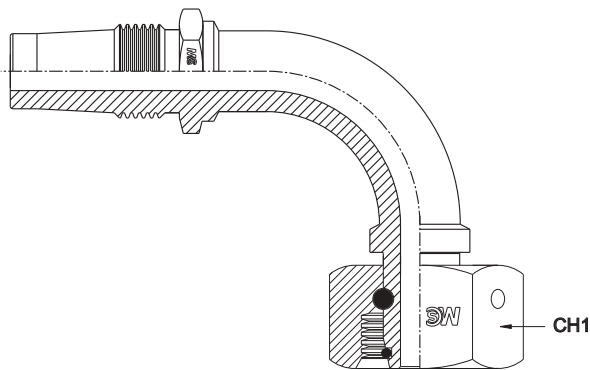
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	DIN 24°	CH1
REC900RMSFL0603	3/16"	12x1,5	06L	14
REC900RMSFL0604	1/4"	12x1,5	06L	14
REC900RMSFL0803	3/16"	14x1,5	08L	17
REC900RMSFL0804	1/4"	14x1,5	08L	17
REC900RMSFL1004	1/4"	16x1,5	10L	19
REC900RMSFL1005	5/16"	16x1,5	10L	19
REC900RMSFL1205	5/16"	18x1,5	12L	22
REC900RMSFL1206	3/8"	18x1,5	12L	22
REC900RMSFL1508	1/2"	22x1,5	15L	27
REC900RMSFL1810	5/8"	26x1,5	18L	32
REC900RMSFL2212	3/4"	30x2	22L	36
REC900RMSFL2816	1"	36x2	28L	41

FEMMINA METRICA CONO 24° RECUPERABILE - SERIE S
REUSABLE O'R MERIC FEMALE 24° CONE - S SERIE



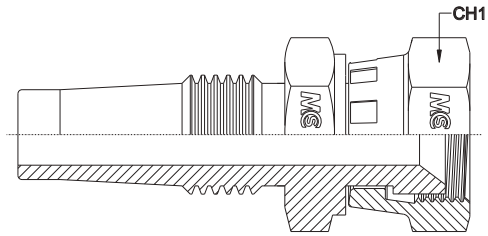
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	DIN 24°	CH1
RECORMSFH0603	3/16"	14x1,5	06S	17
RECORMSFH0604	1/4"	14x1,5	06S	17
RECORMSFH0804	1/4"	16x1,5	08S	19
RECORMSFH1004	1/4"	18x1,5	10S	22
RECORMSFH1006	3/8"	18x1,5	10S	22
RECORMSFH1205	5/16"	20x1,5	12S	24
RECORMSFH1406	3/8"	22x1,5	14S	27
RECORMSFH1608	1/2"	24x1,5	16S	30
RECORMSFH2010	5/8"	30x2	20S	36
RECORMSFH2512	3/4"	36x2	25S	46
RECORMSFH3016	1"	42x2	30S	50

FEMMINA METRICA 90° CONO 24° RECUPERABILE - SERIE S
REUSABLE 90° O'R METRIC FEMALE 24° CONE - S SERIE



Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	DIN 24°	CH1
REC900RMSFH0603	3/16"	14x1,5	06S	17
REC900RMSFH0604	1/4"	14x1,5	06S	17
REC900RMSFH0804	1/4"	16x1,5	08S	19
REC900RMSFH1004	1/4"	18x1,5	10S	22
REC900RMSFH1205	5/16"	20x1,5	12S	24
REC900RMSFH1406	3/8"	22x1,5	14S	27
REC900RMSFH1608	1/2"	24x1,5	16S	30
REC900RMSFH2010	5/8"	30x2	20S	36
REC900RMSFH2512	3/4"	36x2	25S	46
REC900RMSFH3016	1"	42x2	30S	50

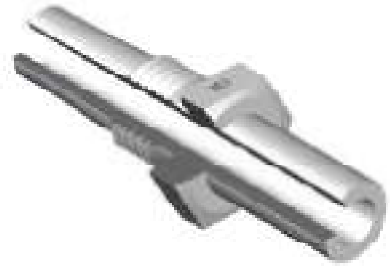
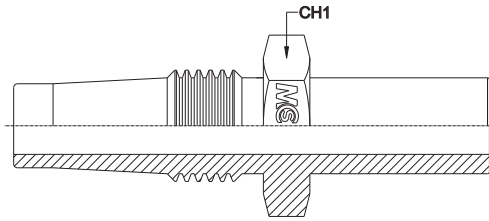
FEMMINA GIREVOLE JIC SV. 74° RECUPERABILE
REUSABLE JIC SWIVEL FEMALE 74° CONE



Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECJSF0703	3/16"	7/16"	17
RECJSF0704	1/4"	7/16"	17
RECJSF0804	1/4"	1/2"	17
RECJSF0904	1/4"	9/16"	19
RECJSF0905	5/16"	9/16"	19
RECJSF0906	3/8"	9/16"	19
RECJSF1206	3/8"	3/4"	24
RECJSF1208	1/2"	3/4"	24
RECJSF1406	3/8"	7/8"	27
RECJSF1408	1/2"	7/8"	27
RECJSF1410	5/8"	7/8"	27
RECJSF1708	1/2"	1" 1/16"	32
RECJSF1710	5/8"	1" 1/16"	32
RECJSF1712	3/4"	1" 1/16"	32
RECJSF2112	3/4"	1" 5/16"	38
RECJSF2116	1"	1" 5/16"	38

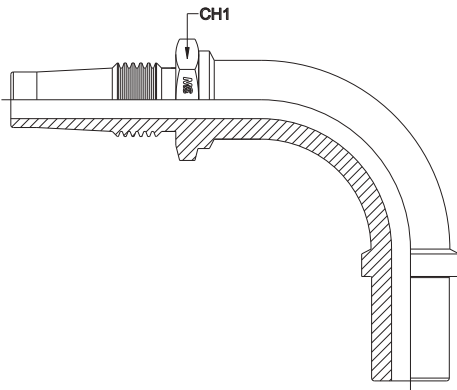
Disponibili anche a 45° e 90°
 Also Available 45° and 90°

**ERMETO RECUPERABILE
REUSABLE STANDPIPE**



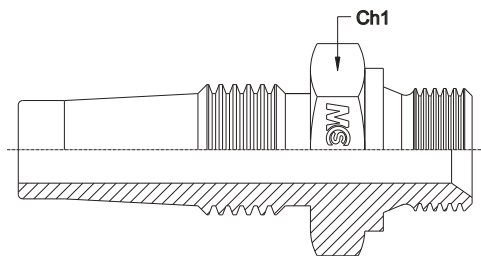
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECSLH0603	3/16"	06(L/S)	14
RECSLH0604	1/4"	06(L/S)	14
RECSLH0803	3/16"	08(L/S)	14
RECSLH0804	1/4"	08(L/S)	14
RECSLH1004	1/4"	10(L/S)	14
RECSLH1005	5/16"	10(L/S)	14
RECSLH1006	3/8"	10(L/S)	17
RECSLH1204	1/4"	12(L/S)	17
RECSLH1205	5/16"	12(L/S)	17
RECSLH1206	3/8"	12(L/S)	17
RECSL1508	1/2"	15(L)	19
RECSL1810	5/8"	18(L)	22
RECSL2212	3/4"	22(L)	24
RECSL2816	1"	28(L)	36
RECSH1406	3/8"	14(S)	19
RECSH1608	1/2"	16(S)	22
RECSH2010	5/8"	20(S)	24
RECSH2512	3/4"	25(S)	30
RECSH3016	1"	30(S)	36

ERMETO 90° RECUPERABILE
REUSABLE 90° STANDPIPE



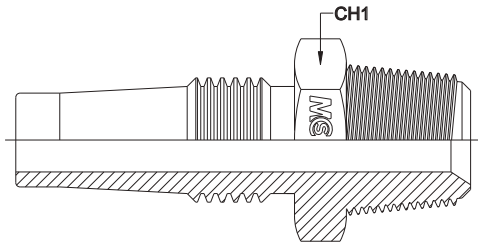
Codice Part Number	Ø Est. Tubo Tube O.D.	Ø Int. Tubo Tube I.D.	CH1
REC90SLH0603	06(L/S)	3/16"	14
REC90SLH0604	06(L/S)	1/4"	14
REC90SLH0803	08(L/S)	3/16"	14
REC90SLH0804	08(L/S)	1/4"	14
REC90SLH1004	10(L/S)	1/4"	14
REC90SLH1005	10(L/S)	5/16"	14
REC90SLH1006	10(L/S)	3/8"	17
REC90SLH1204	12(L/S)	1/4"	17
REC90SLH1205	12(L/S)	5/16"	17
REC90SLH1206	12(L/S)	3/8"	17
REC90SL1508	15(L)	1/2"	19
REC90SL1810	18(L)	5/8"	22
REC90SL2212	22(L)	3/4"	24
REC90SL2816	28(L)	1"	36
REC90SH1406	14(S)	3/8"	19
REC90SH1608	16(S)	1/2"	22
REC90SH2010	20(S)	5/8"	24
REC90SH2512	25(S)	3/4"	30

MASCHIO GAS CILINDRICO SV. 60° RECUPERABILE
REUSABLE BSP MALE PARALLEL 60° CONE



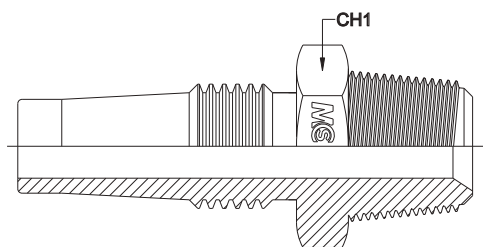
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECBSPM0403	3/16"	1/4"	19
RECBSPM0404	1/4"	1/4"	19
RECBSPM0604	1/4"	3/8"	22
RECBSPM0605	5/16"	3/8"	22
RECBSPM0606	3/8"	3/8"	22
RECBSPM0806	3/8"	1/2"	27
RECBSPM0808	1/2"	1/2"	27
RECBSPM1210	5/8"	3/4"	32
RECBSPM1212	3/4"	3/4"	32
RECBSPM1612	3/4"	1"	38
RECBSPM1616	1"	1"	38

**MASCHIO GAS CONICO SV. 60° RECUPERABILE
REUSABLE BSP TAPER MALE 60° CONE**



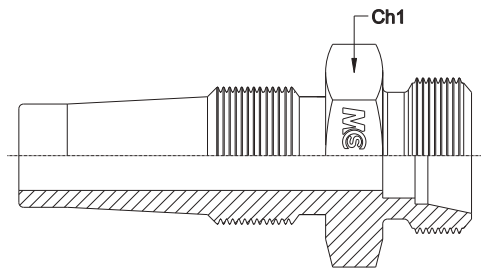
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECBSPTM0403	3/16"	1/4"	14
RECBSPTM0404	1/4"	1/4"	14
RECBSPTM0604	1/4"	3/8"	19
RECBSPTM0605	5/16"	3/8"	19
RECBSPTM0606	3/8"	3/8"	19
RECBSPTM0806	3/8"	1/2"	22
RECBSPTM0808	1/2"	1/2"	22
RECBSPTM1210	5/8"	3/4"	27
RECBSPTM1212	3/4"	3/4"	27
RECBSPTM1616	1"	1"	36

MASCHIO NPT SV. 60° RECUPERABILE
REUSABLE NPT MALE 60° CONE



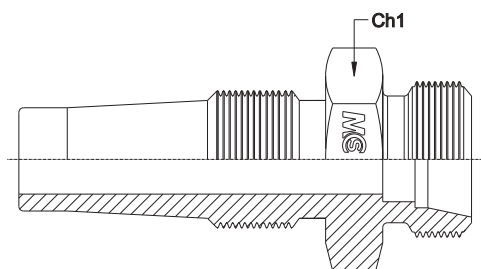
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECNPMT0403	3/16"	1/4"	14
RECNPMT0404	1/4"	1/4"	14
RECNPMT0604	1/4"	3/8"	19
RECNPMT0605	5/16"	3/8"	19
RECNPMT0606	3/8"	3/8"	19
RECNPMT0806	3/8"	1/2"	22
RECNPMT0808	1/2"	1/2"	22
RECNPMT1210	5/8"	3/4"	27
RECNPMT1212	3/4"	3/4"	27
RECNPMT1616	1"	1"	36

MASCHIO METRICO SV. 24° RECUPERABILE - SERIE L
REUSABLE METRIC MALE 24° CONE - L SERIE



Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECMML0803	3/16"	14x1,5	14
RECMML0804	1/4"	14x1,5	14
RECMML1004	1/4"	16x1,5	17
RECMML1005	5/16"	16x1,5	17
RECMML1206	3/8"	18x1,5	19
RECMML1508	1/2"	22x1,5	22
RECMML1810	5/8"	26x1,5	27
RECMML2212	3/4"	30x2	30
RECMML2816	1"	36x2	36

MASCHIO METRICO SV. 24° RECUPERABILE - SERIE S
REUSABLE METRIC MALE 24° CONE - S SERIE



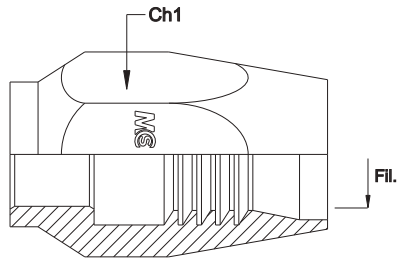
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	DIN 24°	CH1
RECMMH0803	3/16"	16x1,5	08S	17
RECMMH0804	1/4"	16x1,5	08S	17
RECMMH1004	1/4"	18x1,5	10S	19
RECMMH1205	5/16"	20x1,5	12S	22
RECMMH1406	3/8"	22x1,5	14S	22
RECMMH1608	1/2"	24x1,5	16S	24
RECMMH2010	5/8"	30x2	20S	30
RECMMH2512	3/4"	36x2	25S	36
RECMMH3016	1"	42x2	30S	46

GHIERA R1 RECUPERABILE PER TUBO:

SAE 100 R1AT (EN 853 1SN) - EN 857 2SC - EN 854 2TE

REUSABLE R1 FERRULE FOR :

SAE 100 R1AT (EN 853 1SN) - EN 857 2SC - EN 854 2TE HOSE TYPE



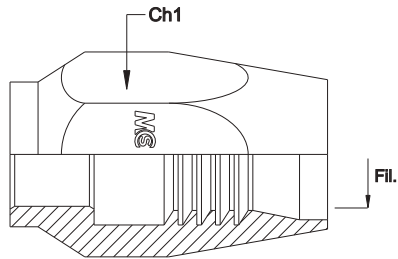
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECFR104	1/4"	7/16"-Unf	19
RECFR105	5/16"	7/16"-Unf	19
RECFR106	3/8"	9/16"-Unf	24
RECFR108	1/2"	5/8"-Unf	27
RECFR110	5/8"	3/4"-Uns	30
RECFR112	3/4"	7/8"-Uns	32
RECFR116	1"	1"3/8 Whit.	41

GHIERA R2 RECUPERABILE PER TUBO:

SAE 100 R2AT (EN 853 2SN) - EN 854 3TE

REUSABLE R2 FERRULE FOR :

SAE 100 R2AT (EN 853 2SN) - EN 854 3TE HOSE TYPE



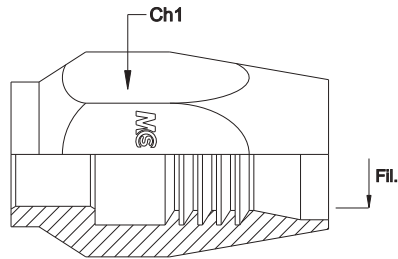
Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECFR204	1/4"	7/16"-Unf	22
RECFR205	5/16"	7/16"-Unf	22
RECFR206	3/8"	9/16"-Unf	24
RECFR208	1/2"	5/8"-Unf	27
RECFR210	5/8"	3/4"-Uns	32
RECFR212	3/4"	7/8"-Uns	36
RECFR216	1"	1 1/8" Whit.	46

GHIERA R7 RECUPERABILE PER TUBO:

SAE 100 R7 (EN 855 R7)- SAE 100 R8 (EN855 R8)

REUSABLE R7 FERRULE FOR :

SAE 100 R7 (EN 855 R7) - SAE 100 R8 (EN855 R8) HOSE TYPE



Codice Part Number	Ø Int. Tubo Tube I.D.	Filetto Thread	CH1
RECFR703	3/16"	M. 7x0,75	14
RECFR704	1/4"	7/16"-Unf	17
RECFR705	5/16"	7/16"-Unf	19
RECFR706	3/8"	9/16"-Unf	22
RECFR708	1/2"	5/8"-Unf	27
RECFR710	5/8"	3/4"-Uns	30
RECFR712	3/4"	7/8"-Uns	32
RECFR716	1"	1"3/8 Whit.	41

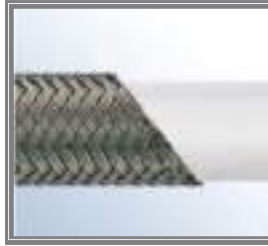
MCS
HYDRAULICS

*Tube Teflon
PTFE Hoses*



*Collezione - Collection
2019*

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TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE ESTRUSO LISCIO
Rinforzo : Trecciatura in Acciaio Inox Aisi 304 - SAE 100 R14
FLEXIBLE PTFE HOSE, INTERNAL CORE SMOOTH PTFE
Reinforcement: Aisi 304 stainless steel braid - SAE 100 R14
Cod. PTFE..
Pag. 8.2



TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE ESTRUSO LISCIO
Rinforzo : **Doppia**Trecc. in Acciaio Inox Aisi 304 - Medio Spessore
FLEXIBLE PTFE HOSE, INTERNAL CORE SMOOTH PTFE
Reinforcement: **Double** Aisi 304 stainless steel braid - Medium Wall
Cod. PTFE2T304..
Pag. 8.3



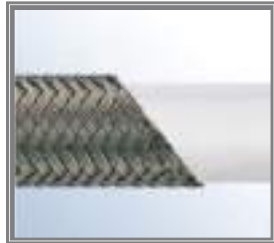
TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE CONVOLUTO
Rinforzo : Trecciatura in Acciaio Inox Aisi 304
FLEXIBLE PTFE HOSE, INTERNAL CORE CONVOLUTED PTFE
Reinforcement: Aisi 304 stainless steel braid
Cod. PTFEC..
Pag. 8.4

Tabella di compatibilità chimica

La tabella viene destinata ad essere utilizzata soltanto come guida. Si consiglia agli utilizzatori finali di effettuare delle prove per garantire la compatibilità dei tubi prima del loro utilizzo in specifiche applicazioni.

LEGENDA: E= ECCELLENTE B= BUONO N= INFORMAZIONI NON DISPONIBILI I= IMADATTO

Materiali Chimici	PTFE	ETFE	ETFE/PTFE	PTFE	ETFE	ETFE/PTFE
Acqua	E	E	E	E	E	E
Acido Cloridrico	E	E	E	E	E	E
Acido Solfonico	E	E	E	E	E	E
Acido Nitrico	E	E	E	E	E	E
Acido Fluoridrico	E	E	E	E	E	E
Acido Perclorico	E	E	E	E	E	E
Acido Borico	E	E	E	E	E	E
Acido Fosforico	E	E	E	E	E	E
Acido Sulfidrico	E	E	E	E	E	E
Acido Acetico	E	E	E	E	E	E
Acido Formico	E	E	E	E	E	E
Acido Oxalico	E	E	E	E	E	E
Acido Citrico	E	E	E	E	E	E
Acido Malico	E	E	E	E	E	E
Acido Tartarico	E	E	E	E	E	E
Acido Lattico	E	E	E	E	E	E
Acido Salicilico	E	E	E	E	E	E
Acido Benzoico	E	E	E	E	E	E
Acido Stearico	E	E	E	E	E	E
Acido Laurico	E	E	E	E	E	E
Acido Miristico	E	E	E	E	E	E
Acido Palmitico	E	E	E	E	E	E
Acido Stearico	E	E	E	E	E	E
Acido Oleico	E	E	E	E	E	E
Acido Linoleico	E	E	E	E	E	E
Acido Arachidico	E	E	E	E	E	E
Acido Ricinoleico	E	E	E	E	E	E
Acido Caproico	E	E	E	E	E	E
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Acido Caprionico	E	E	E	E	E	E
Acido Caproilico	E	E	E	E	E	E
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Acido Caprilico	E	E	E	E	E	E
Acido Caprionico	E	E	E	E	E	E
Acido Caproilico	E	E	E	E	E	E
Acido Caprilico	E	E	E</			

TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE ESTRUSO LISCIORinforzo: Trecciatura in Acciaio Inox Aisi 304 - **SAE 100 R14****FLEXIBLE PTFE HOSE, INTERNAL CORE SMOOTH PTFE**Renforcement: Aisi 304 stainless steel braid - **SAE 100 R14**

CODE CODICE	HOSE TUBO	Ø I.D. MM DIAM. INT.	Ø O.D. MM DIAM. EST.	THICKNESS SPESSORE	RAGGIO MIN. MIN. RADIUS	W.P. PRESSIONE ES.	B.P. PRESSIONE SC.
PTFE02	1/8"	3,4	6,1	0,76 ±0,25	38	207	827
PTFE03	3/16"	4,93	7,77	0,76 ±0,35	51	207	827
PTFE04	1/4"	6,45	9,19	0,76 ±0,40	76	181	724
PTFE05	5/16"	7,95	11	0,76 ±0,45	100	172	690
PTFE06	3/8"	9,52	12,7	0,76 ±0,45	127	155	621
PTFE07	13/32"	10,46	13,6	0,76 ±0,50	133	138	552
PTFE08	1/2"	12,8	16,08	0,76 ±0,50	165	103	414
PTFE10	5/8"	15,88	19,38	0,76 ±0,60	197	86	345
PTFE12	3/4"	19	22,22	0,76 ±0,60	229	76	303
PTFE14	7/8"	22,22	25,78	0,89 ±0,80	229	69	276
PTFE16	1"	25,4	28,83	0,89 ±0,80	305	62	248

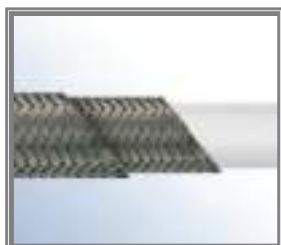
Temp: - 60°C; +260°C

Applicazioni: i tubi in PTFE sono utilizzati principalmente per impianti idraulici, di lubrificazione e per passaggio carburanti e vapore.

Il PTFE è estremamente resistente alla corrosione ed alle basse temperature, è inerte da un punto di vista chimico, insolubile, ininfiammabile ed offre proprietà di isolamento

Typical Application: PTFE hoses are mainly used for conduction of water, oil, fuel and steam.

PTFE is extremely resistant to corrosion, it is chemically inert, insoluble, non-inflammable, and allows a good isolation.

TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE ESTRUSO LISCIORinforzo: **Doppia** Trecciatura in Acciaio Inox Aisi 304 - Medio Spessore**FLEXIBLE PTFE HOSE, INTERNAL CORE SMOOTH PTFE**Renforcement: **Double** Aisi 304 stainless steel braid - Medium Wall

CODE CODICE	HOSE TUBO	Ø I.D. MM DIAM. INT.	Ø O.D. MM DIAM. EST.	THICKNESS SPESSORE	RAGGIO MIN. MIN. RADIUS	W.P. PRESSIONE ES.	B.P. PRESSIONE SC.
PTFE2T30403	3/16"	4,8	9	0,9 ±0,10	30	365	1250
PTFE2T30404	1/4"	6,22	9,78	0,64 ±0,60	76	276	828
PTFE2T30405	5/16"	7,8	11,63	0,58 ±0,60	102	252	759
PTFE2T30406	3/8"	8,94	12,95	0,64 ±0,60	127	252	759
PTFE2T30407	13/32"	10,29	14,48	0,76 ±0,60	133	230	690
PTFE2T30408	1/2"	12,37	16,92	0,76 ±0,60	140	183	552
PTFE2T30410	5/8"	15,15	19,68	0,89 ±0,75	165	172	517
PTFE2T30412	3/4"	18,9	23,62	0,89 ±0,85	203	149	448
PTFE2T30414	7/8"	22,05	26,57	0,89 ±0,85	229	114	345
PTFE2T30416	1"	25,4	31	1,1 ±1,20	305	92	276

Temp: - 60°C; +260°C

Applicazioni: i tubi in PTFE sono utilizzati principalmente per impianti idraulici, di lubrificazione e per passaggio carburanti e vapore.

Il PTFE è estremamente resistente alla corrosione ed alle basse temperature, è inerte da un punto di vista chimico, insolubile, ininfiammabile ed offre proprietà di isolamento

Typical Application: PTFE hoses are mainly used for conduction of water, oil, fuel and steam.

PTFE is extremely resistant to corrosion, it is chemically inert, insoluble, non-inflammable, and allows a good isolation.

TUBO FLESSIBILE CON SOTTOSTRATO IN PTFE CONVOLUTO

Rinforzo: Trecciatura in Acciaio Inox Aisi 304

FLEXIBLE PTFE HOSE, INTERNAL CORE CONVOLUTED PTFE

Reinforcement: Aisi 304 stainless steel braid



CODE CODICE	HOSE TUBO	Ø I.D. MM DIAM. INT.	Ø O.D. MM DIAM. EST.	RAGGIO MIN. MIN. RADIUS	W.P. PRESS.ESER.	B.P. PRESSIONE SC.
PTFEC04	1/4"	7,1	12,3	18	172	517
PTFEC06	3/8"	9,5	15,25	20	138	414
PTFEC08	1/2"	12,83	18,8	25	103	310
PTFEC10	5/8"	15,88	22,1	51	83	248
PTFEC12	3/4"	19,05	24,65	64	69	207
PTFEC14	7/8"	22,35	28,7	76	57	172
PTFEC16	1"	25,4	32,77	89	46	138
PTFEC20	1"1/4	32,2	40,72	127	34	103
PTFEC24	1"1/2	38,1	48,25	152	30	90
PTFEC32	2"	51,4	61,5	200	23	69
PTFEC48	3"	76,2	94,7	310	20	60
PTFEC64	4"	100	125	380	15	45

Temp: - 60°C; +260°C

Applicazioni: i tubi in PTFE corrugato sono utilizzati principalmente per impianti idraulici, di lubrificazione e per passaggio carburanti e vapore ed in tutti i casi in cui venga richiesta un'estrema flessibilità.

I PTFE è estremamente resistente alla corrosione ed alle basse temperature, è inerte da un punto di vista chimico, insolubile, ininfiammabile ed offre proprietà di isolamento.

Typical Application: PTFE convoluted hoses are mainly used for conduction of water, oil, fuel and steam and when an extreme flexibility is required.

PTFE is extremely resistant to corrosion, it is chemically inert, insoluble, non-inflammable, and allows a good isolation.

Tabella di compatibilità chimica/Chemical Compatibility Chart

Le tabelle sono destinate ad essere utilizzate soltanto come guida. Si consiglia agli utilizzatori finali di effettuare delle prove per garantire la compatibilità dei tubi prima del loro utilizzo in specifiche applicazioni. The charts are intended to be used as a guide only. It is suggested that the end-users conduct their own test to assure the hoses compatibility before their use in specific applications.

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LEGEND : E= EXCELLENT B=GOOD N=NO INFORMATION AVAILABLE I=UNSUITABLE

Composto chimico	PTFE	AISI 304	AISI 316	Composto chimico	PTFE	AISI 304	AISI 316
Acetaldeide	E	E	E	Diossido di zolfo	E	E	E
Acetato di amile	E	E	E	Diossina	E	E	E
Acetato di butile	E	E	E	Diottile ftalato	E	E	E
Acetato di calcio	E	E	E	Dipentene	E	E	E
Acetato di cellosolve	E	E	E	Esano	E	E	E
Acetato di metile	E	E	E	Esene	E	E	E
Acetato di nickel	E	E	E	Etanolammina	E	E	E
Acetato di piombo	E	E	E	Etere di isopropile	E	E	E
Acetato di potassio	E	E	E	Etere dibenzilico	E	E	E
Acetato di propile	B	E	E	Etere dibutilico	E	E	E
Acetato di sodio	E	E	E	Etere dietilico	E	E	E
Acetato di zinco	E	E	E	Etere etilico	E	E	E
Acetato etilico	E	E	E	Etilendiammina	E	N	N
Acetato isopropilico	E	E	E	Fenolo	E	E	E
Acetilene	E	E	E	Fluidi Skydrol 500 e 7000	E	E	E
Aceto	E	B	E	Fluido per trasmissioni, Tipo A	E	E	E
Aceto acetato di etile	E	E	E	Fluoruro di alluminio	E	B	B
Acetone	E	E	E	Formaldeide	E	E	E
Acidi grassi	E	E	E	Formiato di metile	E	E	E
Acido acetico 30%	E	B	B	Forone	E	E	E
Acido acetico glaciale	E	B	B	Fosfato di ammonio	B	B	E
Acido arsenico	E	N	E	Fosfato di sodio	E	E	E
Acido benzene-solfonico	B	N	B	Fosfato tributilico	E	N	N
Acido borico	E	B	E	Fosfato tributossietilico	E	N	N
Acido butirrico	E	E	E	Fosfato tricresilico	E	N	B
Acido carbonico	E	E	E	Freon 114	B	E	E
Acido cianidrico	E	E	E	Freon 12	B	E	E
Acido citrico	E	I	E	Ftalato dibutilico	E	E	E
Acido cloridrico 15%	E	I	I	Ftalato dietilico	E	E	E
Acido cloridrico 37%	E	I	I	Furan (Furfuran C4H4O)	E	E	E
Acido cloroacetico	E	I	I	Furfurale	E	E	E
Acido cromico	E	I	B	Gas di altoforno	E	E	E
Acido fenico	E	E	E	Gas di forno a carbone	E	E	E
Acido fluoridrico concentrato	E	I	I	Gas naturale	E	E	E
Acido fluoro-borico	E	E	E	Gasolio	E	E	E
Acido fluosilicico	E	I	I	Glicerina	E	E	E
Acido formico	E	B	E	Glicole di etilene	E	E	E
Acido fumarico	B	E	E	Glicole dietilenico	E	E	E
Acido gallico	E	E	E	Glicoli	E	E	E
Acido lattico	E	B	E	Glucosio	E	E	E
Acido linoleico	E	N	N	Grassi animali	E	E	E

Tabella di compatibilità chimica/Chemical Compatibility Chart

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Acido malico	E	B	E	Grassi di silicone	B	E	E
Acido naftenico	E	B	E	Idrochinone	B	E	E
Acido nitrico fumante rosso	E	B	B	Idrogeno gassoso	E	E	E
Acido nitrico (tutte le concentrazioni)	E	B	B	Idrossido di alluminio	E	E	E
Acido oleico	E	B	E	Idrossido di ammonio	E	E	E
Acido Ossalico	E	B	E	Idrossido di bario	E	E	E
Acido palmitico	E	B	E	Idrossido di calcio	E	I	E
Acido perclorico	E	B	E	Idrossido di magnesio	E	E	E
Acido picrico	E	E	E	Idrossido di potassio 30%	E	E	E
Acido Salicilico	B	E	E	Idrossido di sodio 40%	E	E	E
Acido solforico 10%	E	I	B	Ipoclorito di calcio	E	I	B
Acido solforico 30%	E	I	B	Ipocloruro di sodio	E	I	B
Acido solforico 75%	E	I	B	Isotano	E	E	E
Acido solforico 98%	E	I	B	Lacche	E	I	E
Acido solforico fumante	E	N	E	Latte	E	E	E
Acido stearico	E	B	E	Liquame	E	E	E
Acido tannico 10%	E	E	E	Liquidi isolanti askarel	E	E	E
Acido tartarico	E	B	B	Liquori di barbabetola da zucchero	E	E	E
Acqua	E	E	E	Liquori di canna da zucchero	E	E	E
Acqua ragia	E	I	I	Lubrificante di silicone	E	E	E
Acqua salata	E	E	E	Mercaptano di butile	E	E	E
Acrilato di metile	B	E	E	Mercaptano etilico	E	N	N
Acrilato etilico	B	E	E	Mercurio	E	E	E
Acronitrile	E	E	E	Metafosfato di ammonio	E	E	E
Alcool amilico	E	E	E	Metafosfato di sodio	E	E	E
Alcool benzilico	E	E	E	Metilbutilchetone	B	E	E
Alcool benzoato	E	E	E	Metiletilchetone	E	E	E
Alcool butilico	E	E	E	Metilisobutilchetone	E	E	E
Alcool denaturato	E	E	E	Metilmetacrilato	E	E	E
Alcool di propile	E	E	E	Metilsalicilato	E	E	E
Alcool diacetone	E	E	E	Monoclorobenzene	E	E	E
Alcool esilico	E	E	E	Monoetanolammina	B	E	E
Alcool etilico	E	E	E	Monossido di carbonio	E	E	E
Alcool isobutilico	E	E	E	Nafta	E	E	E
Alcool isopropilico	E	E	E	Naftalene	E	E	E
Alcool metilico	E	E	E	N-esaldeide	E	E	E
Alcool ottile	E	E	E	Nitrato d'argento	E	E	E
Alcool terpineolo	E	N	N	Nitrato di alluminio	E	E	E
Allume di ammonio o di potassio	E	B	B	Nitrato di ammonio	E	E	E
Alluminio acetato	E	E	E	Nitrato di calcio	E	E	E
Amile cloro-naftalene	E	E	E	Nitrato di piombo	B	E	E
Amile naftalene	E	E	E	Nitrato di potassio	E	E	E
Ammoniaca anidra	E	E	E	Nitrato di sodio	E	B	B
Ammoniaca in soluzione acquosa	E	E	E	Nitrato ferrico	E	E	E
Anidride acetica	E	B	B	Nitrato ferroso	E	E	E
Anidride carbonica	E	E	E	Nitrito di ammonio	E	E	E
Anilina	E	E	E	Nitrobenzene	E	E	E
Asfalto	B	E	E	Nitroetano	E	E	E
Azoto gassoso	E	B	B	N-Ottani	B	E	E
Benzaldeide	E	N	N	Olii di silicone	B	E	E
Benzene	E	E	E	Olii vegetali	E	E	E
Benzene etilico	E	E	E	Olio carburante	E	B	B
Benzina	E	E	E	Olio di arachidi	E	E	E
Bicarbonato di sodio	E	E	E	Olio di burro o burro disidratato	E	E	E
Birra	E	E	E	Olio di fegato di merluzzo	E	E	E

Tabella di compatibilità chimica/Chemical Compatibility Chart

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Bisolfato di calcio	E	B	E	Olio di legno	E	B	E
Bisolfato di sodio	E	E	E	Olio di mais	E	E	E
Bisolfito di calcio	E	E	E	Olio di pino	E	E	E
Borace	E	E	E	Olio di ricino	E	E	E
Borato di sodio	E	E	E	Olio di semi di cotone	E	E	E
Bromuro di alluminio	E	B	B	Olio di semi di lino	E	E	E
Bromuro di metile	E	E	E	Olio di soia	E	E	E
Butadiene	E	E	E	Olio d'oliva	E	B	E
Butano	E	E	E	Olio lubrificante, SAE	E	E	E
Butilammina	B	E	E	Olio minerale	E	E	E
Butile di cellosolve	E	E	E	Olio per lubrificazione macchine	E	E	E
Butirraldeide	E	N	N	Olio per trasformatori	E	E	E
Candeggina	B	B	E	Ossido di mesitilene	E	E	E
Carbitolo di butile	E	E	E	Ossigeno gassoso	E	E	E
Carbonato di ammonio	E	E	E	Ozono	E	E	E
Carbonato di bario	E	E	E	Pentoclorobenzene etilico	E	E	E
Carbonato di bismuto	E	E	E	Perborato di sodio	E	E	E
Carbonato di calcio	E	E	E	Percloretilene	E	E	E
Carbonato di sodio	B	B	E	Perossido di sodio	E	E	E
Catrame	E	E	E	Perossido d'idrogeno 70%	E	B	E
Cellulosa etilica	E	E	E	Persolfato di ammonio	B	E	E
Cellulube	E	E	E	Petrolio	E	E	E
Cera grezza	E	E	E	Petrolio, olii idraulici	E	E	E
Cherosene	E	E	E	Petrolio, olii lubrificanti	E	E	E
Cianuro di potassio	E	E	E	Pinene	E	E	E
Cianuro di rame	E	E	E	Piridina 50%	E	E	E
Cianuro di sodio	E	E	E	Poltiglia bordolese	E	E	E
Cicloesane	E	E	E	Propano	E	E	E
Cicloesanone	E	E	E	PAO Synthetic Lubrificant	E	E	E
Cimene	E	N	N	Sali di alluminio	E	B	B
Clorato di calcio	E	B	E	Sciroppo di mais	E	E	E
Cloridrato di anilina	E	I	I	Silicato di calcio	E	E	E
Cloro gassoso secco	E	I	I	Silicato di etile	E	E	E
Cloro gassoso umido	E	I	I	Soda caustica	E	E	E
Clorobenzene	E	E	E	Solfato di alluminio	E	I	B
Cloro-bromometano	E	E	E	Solfato di ammonio	E	E	E
Cloroformio	E	E	E	Solfato di bario	E	E	E
Cloroidriniche etilene	E	E	E	Solfato di calcio	E	E	E
Clorotoluene	E	E	E	Solfato di idrogeno gassoso	E	B	E
Cloruro di alluminio	E	B	B	Solfato di Liquor verde (carbonato di sodio)	E	E	E
Cloruro di amile	E	E	E	Solfato di liscivio/liquor nero	E	E	E
Cloruro di ammonio	B	B	B	Solfato di magnesio	E	E	E
Cloruro di bario	E	E	E	Solfato di nickel	E	B	E
Cloruro di benzile	E	N	N	Solfato di potassio	E	E	E
Cloruro di calcio	E	B	E	Solfato di rame	E	E	E
Cloruro di etilene	E	E	E	Solfato di sodio grezzo	B	E	E
Cloruro di magnesio	E	B	E	Solfato di zinco	E	B	E
Cloruro di mercurio	E	E	E	Solfato ferrico	E	E	E
Cloruro di metile	E	E	E	Solfato ferroso	E	E	E
Cloruro di metilene	E	E	E	Solfato di bario	E	E	E
Cloruro di nickel	E	B	B	Solfuro di calcio	E	E	E
Cloruro di potassio	E	B	E	Solfuro di carbonio	B	E	E
Cloruro di rame	E	I	E	Soluzione di placcatura, cromo	E	I	I
Cloruro di sodio	E	B	E	Soluzione di saccarosio	E	E	E
Cloruro di vinile	E	E	E	Soluzione di urea 50%	E	E	E

Tabella di compatibilità chimica/Chemical Compatibility Chart

Le tabelle sono destinate ad essere utilizzate soltanto come guida. Si consiglia agli utilizzatori finali di effettuare delle prove per garantire la compatibilità dei tubi prima del loro utilizzo in specifiche applicazioni. The charts are intended to be used as a guide only. It is suggested that the end-users conduct their own test to assure the hoses compatibility before their use in specific applications.

LEGENDA: E= ECCELLENTE B=BUONO N=INFORMAZIONI NON DISPONIBILI I=INADATTO

LEGEND : E= EXCELLENT B=GOOD N=NO INFORMATION AVAILABLE I=UNSUITABLE

Cloruro di zinco	E	B	E	Soluzioni di sapone	E	E	E
Cloruro di zolfo	E	I	B	Solvente di Stoddard / alcool bianco	E	E	E
Cloruro etilico	E	E	E	Solventi di lacca	E	I	E
Cloruro ferrico	E	I	I	Stearato di butile	E	E	E
Cloruro ferroso	E	E	B	Stirene	E	N	B
Cloruro stannico	E	N	N	Strutto	E	E	E
Colla	E	E	E	Tetracloruro di carbonio	E	B	B
Coloranti all'anilina	E	E	E	Tetracloruro di titanio	B	B	B
Combustibile Diesel	E	E	E	Tetrossido d'azoto	B	N	B
Creosoto	E	E	E	Tiocianato di ammonio	E	E	E
Cresolo	E	E	E	Tiosolfato di sodio	E	E	E
Decalina	E	N	N	Toluene	E	E	E
Diacetone	E	E	E	Trementina	E	E	E
Dibutile sebacato	E	N	N	Tributilfosfato	E	B	E
Diclorobenzene	E	E	E	Tricloretilene	E	N	E
Dicromato di potassio	E	E	E	Trifluoruro di cloro	I	N	N
Dietilammina	E	E	E	Triossido di zolfo	E	B	B
Dietile sebacato	E	E	E	Vapore	E	E	E
Di-isobutilene	B	E	E	Vernice	E	E	E
Diisocianato di toluene	B	N	N	Vernice smalto	B	E	E
Di-isopropile chetone	E	E	E	Vino e whiskey	E	B	E
Dimetilammina	E	E	E	Xilene	E	B	B
Dimetilformammide	B	E	E	Zolfo 93°C	E	B	E
Diometilftalato	E	N	N	Z-cloronaftalene	E	E	E

MCS

HYDRAULICS

Innesti Rapidi *Quick-Release Couplings*



Collezione - Collection
2019

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**INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCM..**

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**INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCF..**

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**INNESTI RAPIDI PASSAGGIO LIBERO
BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
**QUICK-RELEASE COUPLINGS
FREE FLOW**
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRUM..**

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**INNESTI RAPIDI PASSAGGIO LIBERO
BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
**QUICK-RELEASE COUPLINGS
FREE FLOW**
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRUF..**

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**INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "A" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "A" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCM..A**

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**INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE**
Norma ISO 7241-1 "A" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "A" Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCF..A**

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INNESTI RAPIDI A FACCIA PIANA
Norma ISO 16028 -
Acciaio Inox AISI 316
FLAT FACE COUPLINGS
ISO 16028 Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCFFM..**

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INNESTI RAPIDI A FACCIA PIANA
Norma ISO 16028 -
Acciaio Inox AISI 316
FLAT FACE COUPLINGS
ISO 16028 Standard -
AISI 316 Stainless Steel

Cod. **BSPQRCFFF..**

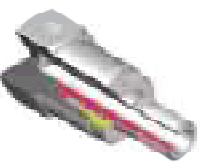
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**GIUNTI GIREVOLI IN LINEA -
Rotazione Lenta**
Acciaio Inox AISI 316
STRAIGHT SWIVEL JOINT - Slow Speed
AISI 316 Stainless Steel

Cod. **SSJ..**

Pag. 9.7



**GIUNTI GIREVOLI A 90° -
Rotazione Lenta**
Acciaio Inox AISI 316
90° SWIVEL JOINT - Slow Speed
AISI 316 Stainless Steel

Cod. **90SJ..**

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**VALVOLE PER FLUSSO
UNIDIREZIONALE**
Acciaio Inox AISI 316
NO-RETURN VALVES
AISI 316 Stainless Steel

Cod. **NRV..**

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TAPPI
 Norma ISO 7241-1 "B"
PLUGS
 ISO 7241-1 "B" Standard

Cod. MP..

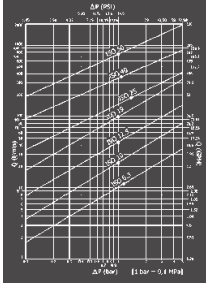
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TAPPI
 Norma ISO 7241-1 "B"
PLUGS
 ISO 7241-1 "B" Standard

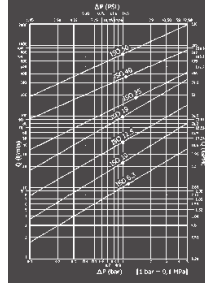
Cod. FC..

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PERDITE DI CARICO
PRESSURE DROP
ISO B
ISO B

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PERDITE DI CARICO
PRESSURE DROP
FACCIA PIANA
FLAT FACE

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INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Antiestrusori in PTFE.

Intercambiabilità secondo ISO 7241-1 parte B.

Completamente costruito in acciaio inox AISI 316

(Molle, sfere, valvole, guidavalvole, etc.).

Innestabilità in assenza di pressione.

Disinnestabilità in pressione non consentita.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.

Burst-pressure: 2,5 time working pressure

VITON® seals standard, others available on request.

PTFE Backup rings.

Interchangeability according to ISO 7241-1 part B.

Machined from stainless steel AISI 316

(Springs, balls, valves, guidevalves, etc.).

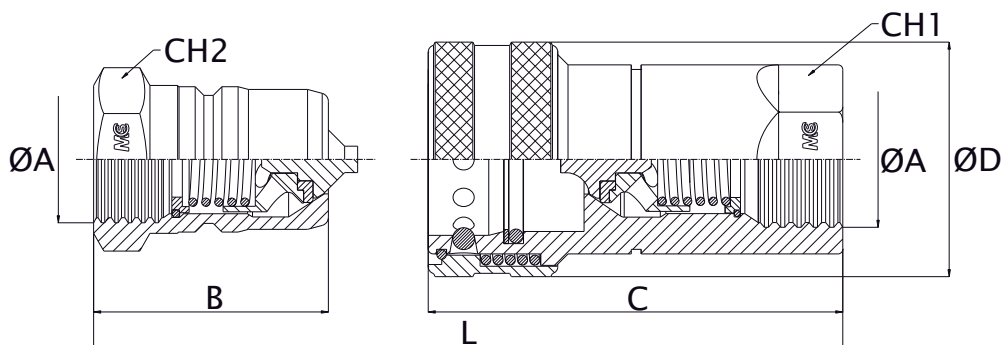
Connection possible in state of pressurelessness.

Disconnection under pressure is not allowed.

Safety caps in Aluminum with Stainless Steel chain, available on request.

Maschio/Male

Femmina/Female



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2	S mm²	M Kg
300	BSPQRCM02	BSPQRCF02	1/8"	31,0	50,0	24,0	62,0	14,0	14,0	12,5	0,11
	BSPQRCM04	BSPQRCF04	1/4"	36,0	57,0	28,0	72,0	19,0	19,0	22,5	0,17
250	BSPQRCM06	BSPQRCF06	3/8"	39,0	64,0	35,0	78,0	24,0	22,0	40,5	0,29
	BSPQRCM08	BSPQRCF08	1/2"	45,5	73,0	42,0	91,0	27,0	27,0	79,0	0,50
	BSPQRCM12	BSPQRCF12	3/4"	53,5	87,0	51,5	107,0	36,0	34,0	169,0	0,85
200	BSPQRCM16	BSPQRCF16	1"	63,0	102,0	60,0	125,0	41,0	41,0	224,0	1,25
140	BSPQRCM20	BSPQRCF20	1,1/4"	126,0	126,0	75,0	198,0	65,0	65,0	865,0	3,70
	BSPQRCM24	BSPQRCF24	1,1/2"	126,0	126,0	75,0	198,0	65,0	65,0	865,0	3,70
90	BSPQRCM32	BSPQRCF32	2"	142,0	142,0	105,0	222,0	90,0	90,0	1780,0	8,00

A richiesta Maschi e Femmine ISO A e ISO B con adattatore filettatura Maschio.
On request ISO A and ISO B Plug/Coupler with male threaded - end adaptor.

S = Sezione di passaggio
M = Peso complessivo M+F

S = Flow section
M = Total weight M+F

VITON® è un marchio registrato dalla DuPont Dow Elastomers

VITON® is a DuPont Dow Elastomers Trade Mark

INNESTI RAPIDI PASSAGGIO LIBERO BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS FREE FLOW

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Completamente costruito in acciaio inox AISI 316.

Intercambiabilità secondo ISO 7241-1 parte B.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.

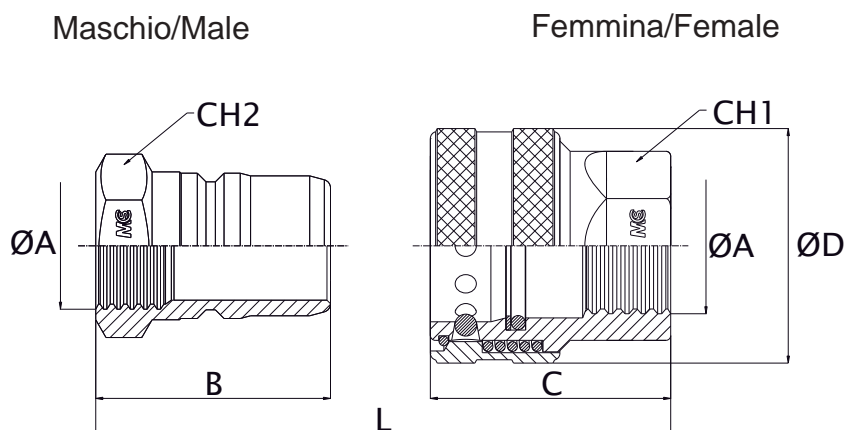
Burst-pressure: 2,5 time working pressure.

VITON® seals standard, others available on request.

Machined from stainless steel AISI 316.

Interchangeability according to ISO 7241-1 part B.

Safety caps in Aluminum with Stainless Steel chain, available on request.



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2
300	BSPQRCUM04	BSPQRCUF04	1/4"	35,0	38,0	28,0	52,0	19	19
250	BSPQRCUM06	BSPQRCUF06	3/8"	39,0	42,0	35,0	56,0	24	22
	BSPQRCUM08	BSPQRCUF08	1/2"	45,0	46,0	42,0	63,0	27	27
	BSPQRCUM12	BSPQRCUF12	3/4"	53,5	54,0	51,5	74,0	36	34
200	BSPQRCUM16	BSPQRCUF16	1"	63,0	64,0	60,0	87,0	41	41
140	BSPQRCUM20	BSPQRCUF20	1,1/4"	85,0	85,0	75,0	117,0	65	60
	BSPQRCUM24	BSPQRCUF24	1,1/2"	85,0	85,0	75,0	117,0	65	60
90	BSPQRCUM32	BSPQRCUF32	2"	100,0	100,0	105,0	135,0	80	70

INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "A" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

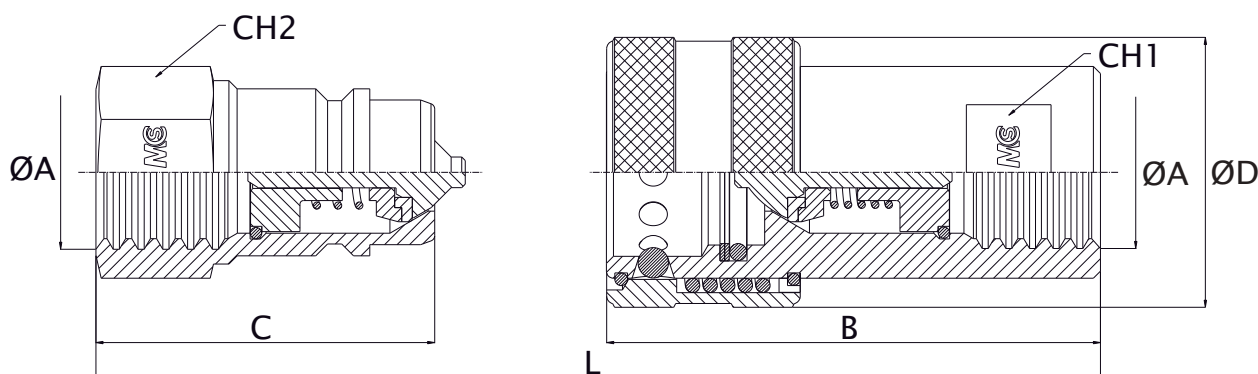
ISO 7241-1 "A" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.
 Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.
 Guarnizioni in VITON® di serie, altre disponibili su richiesta.
 Antiestrusori in PTFE.
 La forma geometrica della zona di aggancio ISO A è differente dalla ISO B. Gli innesti non sono intercambiabili.
 Completamente costruito in acciaio inox AISI 316 (Molle, sfere, valvole, guidavalvole, etc.).
 Innestabilità in assenza di pressione.
 Disinnestabilità in pressione non consentita.
 A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.
 Burst-pressure: 2,5 time working pressure
 VITON® seals standard, others available on request.
 PTFE Backup rings.
 ISO A geometrical shape of connection is different from ISO B. Couplings are not interchangeable.
 Machined from stainless steel AISI 316 (Springs, balls, valves, guidevalves, etc.).
 Connection possible in state of pressurelessness.
 Disconnection under pressure is not allowed.
 Safety caps in Aluminum with Stainless Steel chain, available on request.

Maschio/Male

Femmina/Female



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2	S mm²	M Kg
300	BSPQRCM04A	BSPQRCF04A	1/4"	50,0	34,0	26,0	70,0	19	19	18,0	0,16
	BSPQRCM06A	BSPQRCF06A	3/8"	57,0	40,0	30,0	80,0	22	22	40,0	0,22
250	BSPQRCM08A	BSPQRCF08A	1/2"	70,0	46,0	38,0	95,0	27	27	79,0	0,38
	BSPQRCM12A	BSPQRCF12A	3/4"	81,0	53,5	48,0	108,0	34	32	138,0	0,67
200	BSPQRCM16A	BSPQRCF16A	1"	96,0	63,0	54,0	126,0	38	41	224,0	0,92
140	BSPQRCM20A	BSPQRCF20A	1,1/4"	115,0	69,0	70,0	143,0	50	50	286,0	1,95
	BSPQRCM24A	BSPQRCF24A	1,1/2"								
90	BSPQRCM32A	BSPQRCF32A	2"								

A richiesta Maschi e Femmine ISO A e ISO B con adattatore filettatura Maschio.
 On request ISO A and ISO B Plug/Coupler with male threaded - end adaptor.

S = Sezione di passaggio
 M = Peso complessivo M+F
 VITON® è un marchio registrato dalla DuPont Dow Elastomers

S = Flow section
 M = Total weight M+F
 VITON® is a DuPont Dow Elastomers Trade Mark

INNESTI RAPIDI A FACCIA PIANA

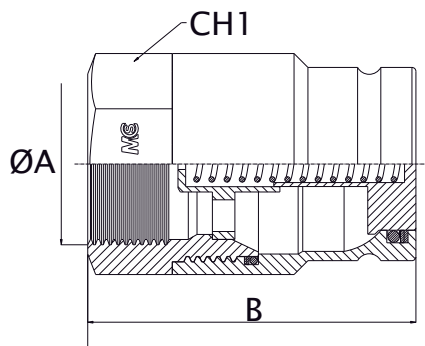
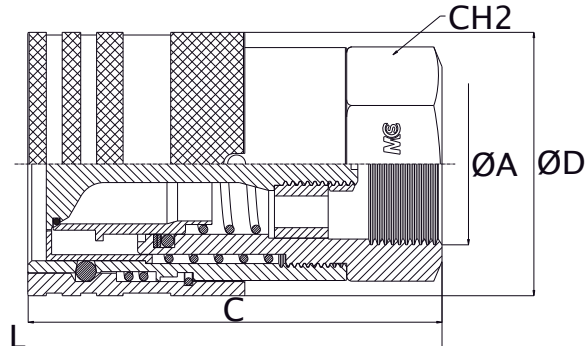
Norma ISO 16028 - Acciaio Inox AISI 316

FLAT FACE COUPLINGS

ISO 16028 Standard - AISI 316 Stainless Steel

Nessuna fuoriuscita di fluido nel disinnesto
 Nessun ingresso d'aria nell'aggancio
 Adatti ove non debbano esserci perdite di fluido per motivi ecologici o di sicurezza.
 Filettatura standard BSPP, altre su richiesta.
 Guarnizioni in VITON® di serie, altre disponibili su richiesta.
 Antiestrusori in PTFE.
 Occlusione a faccia piana.
 Dispositivo di sicurezza antigancio.
 Facile da pulire.
 A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

No leakage during disconnection
 No air inclusion during connection
 Application where fluid leaks are not allowed for ecological or safety reasons.
 Standard thread BSPP, others available on request.
 VITON® seals standard, others available on request.
 PTFE Backup rings.
 Shut-off flat face system.
 Safety lock device.
 Easy cleaning.
 Safety caps in Aluminum with Stainless Steel chain, available on request.

Maschio/Male

Femmina/Female


Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	L mm	CH1	CH2	M Kg
300	BSPQRCFFM04	BSPQRCFFF04	1/4"	48,0	48,0	86,0	22	22	0,25
250	BSPQRCFFM06	BSPQRCFFF06	3/8"	67,0	68,0	118,0	27	27	0,40
	BSPQRCFFM08	BSPQRCFFF08	1/2"	68,0	74,0	125,0	32	32	0,65
200	BSPQRCFFM12	BSPQRCFFF12	3/4"	70,0	79,0	130,0	36	36	0,75
150	BSPQRCFFM16	BSPQRCFFF16	1"	82,0	93,0	153,0	45	45	1,20
100	BSPQRCFFM20	BSPQRCFFF20	1,1/4"	90,0	106,0	172,5	55	55	1,95
90	BSPQRCFFM24	BSPQRCFFF24	1,1/2"	112,0	132,5	173,0	65	65	4,50
60	BSPQRCFFM32	BSPQRCFFF32	2"	124,0	157,0	242,0	75	75	8,50

M = Peso complessivo M+F
 VITON® è un marchio registrato dalla DuPont Dow Elastomers

M = Total weight M+F
 VITON® is a DuPont Dow Elastomers Trade Mark

GIUNTI GIREVOLI IN LINEA - Rotazione Lenta

Acciaio Inox AISI 316

STRAIGHT SWIVEL JOINT - Slow Speed

AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Velocità di rotazione : 5 - 10 giri/min

A richiesta diverse combinazioni fra i Ø A e B

Disponibili a richiesta anche : F-F o M-M

Usati nel collegamento di due elementi oleoidraulici in rotazione uno rispetto all'altro, evitando torsioni.

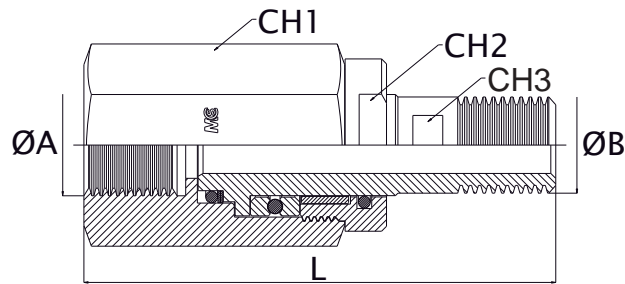
Standard thread BSP, others available on request.

Rotation speed : 5 - 10 rpm

On request different combinations between Ø A and B

Available also F-F or M-M

They connect two oil-hydraulic elements rotating with respect to the other, avoiding twisting.



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	CH2	CH3
350	SSJ04	1/4"	1/4"	75,0	27	24	11
	SSJ06	3/8"	3/8"	88,0	34	30	14
300	SSJ08	1/2"	1/2"	101,0	36	32	18
250	SSJ12	3/4"	3/4"	110,0	45	40	24
	SSJ16	1"	1"	124,0	Ø 55	50	30
180	SSJ20	1,1/4"	1,1/4"	129,0	Ø 60	55	38
150	SSJ24	1,1/2"	1,1/2"	138,0	Ø 75	68	41
	SSJ32	2"	2"	149,0	Ø 85	80	55

GIUNTI GIREVOLI A 90° - Rotazione Lenta

Acciaio Inox AISI 316

90° SWIVEL JOINT - Slow Speed

AISI 316 Stainless Steel

Filettatura standard BSPP, altre su richiesta.

Velocità di rotazione: 5-10 giri/min.

Su richiesta diverse combinazioni fra i ØA e B.

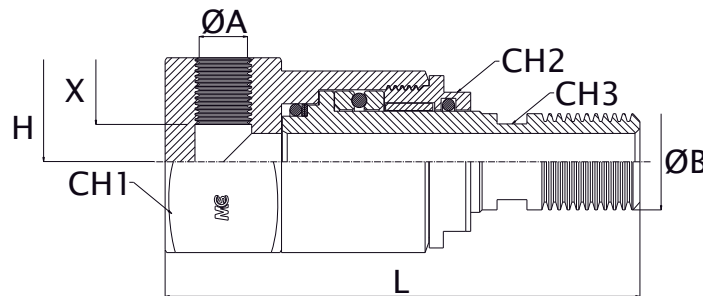
Oltre 1": Corpo quadro tornito.

Standard thread BSPP, others available on request.

Rotation speed: 5-10 rpm.

On request different combinations between ØA and B

Over 1": Square body lathed



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	CH2	CH3	H	X
350	90SJ04	1/4"	1/4"	78,0	32	21	11	17,5	13,5
300	90SJ06	3/8"	3/8"	98,0	38	30	14	20,5	15,0
	90SJ08	1/2"	1/2"	106,0	46	32	18	24,5	17,0
250	90SJ12	3/4"	3/4"	118,0	50	41	24	25,0	17,0
	90SJ16	1"	1"	142,0	60	50	30	29,0	21,0
180	90SJ20	1,1/4"	1,1/4"	155,0	55	38	60	54,0	26,0
150	90SJ24	1,1/2"	1,1/2"	170,0	70	41	75	51,5	27,0
	90SJ32	2"	2"	190,0	80	55	95	53,0	34,0

VALVOLE PER FLUSSO UNIDIREZIONALE

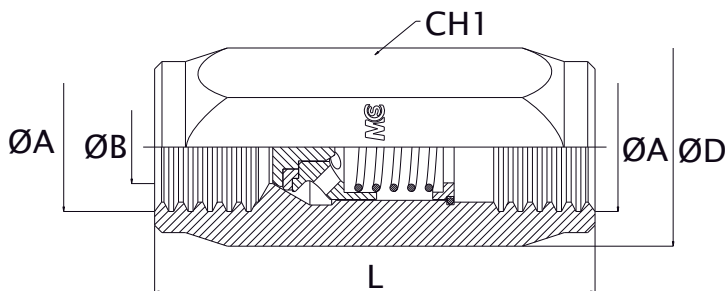
Acciaio Inox AISI 316

NO-RETURN VALVES

AISI 316 Stainless Steel

Apertura standard 0,5 bar - Su richiesta fino a 8 bar
 Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Standard cracking point 0,5 bar - On request up to 8 bar
 VITON® seals standard, others available on request.



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	S mm²	M Kg
350	NRV02	1/8"	5	42,0	14	18,0	0,05
	NRV04	1/4"	7	50,0	19	22,0	0,09
	NRV06	3/8"	10	60,0	24	42,0	0,16
	NRV08	1/2"	11	65,0	27	75,0	0,28
300	NRV12	3/4"	17	75,0	34	126,0	0,35
250	NRV16	1"	21	93,0	41	230,0	0,58
	NRV20	1,1/4"	29	110,0	50	340,0	0,96
	NRV24	1,1/2"	34	112,0	55	509,0	1,02
200	NRV32	2"	48	120,0	75	1640,0	2,20

S = Sezione di passaggio
 M = Peso complessivo M+F

S = Flow section
 M = Total weight M+F

TAPPI

Norma ISO 7241-1 "B"

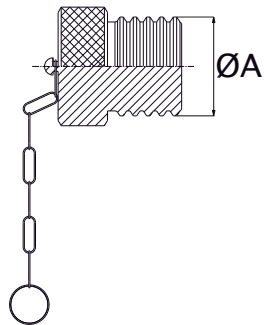
PLUGS

ISO 7241-1 "B" Standard

Tappi di sicurezza in Alluminio con catena in Acciaio Inox.

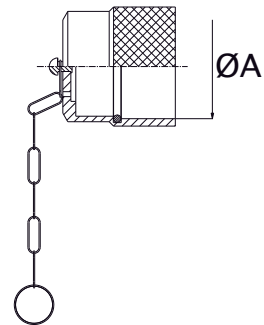
Safety caps in Aluminum with Stainless Steel chain.

Tappo per Femmina
Plug for Female



Codice Maschio Male Code	Ø A Inch.
MP04	1/4"
MP06	3/8"
MP08	1/2"
MP12	3/4"
MP16	1"
MP20	1,1/4"
MP24	1,1/2"
MP32	2"

Tappo per Maschio
Cap for Male



Codice Femmina Female Code	Ø A Inch.
FC04	1/4"
FC06	3/8"
FC08	1/2"
FC12	3/4"
FC16	1"
FC20	1,1/4"
FC24	1,1/2"
FC32	2"

INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel



**DATI TECNICI
TECHNICAL DATA**

**PERDITE DI CARICO
PRESSURE DROP**

Nominal size				Max working pressure	Rated Flow	Max Flow rate	Min burst pressure			Fluid spillage
DN	BG	ISO	mm	Mpa	l/min	l/min	Male MPa	Female MPa	Coupled MPa	cc
04	0	5.0	4.2	50	3	9	240	230	270	0,5
06	1	6.3	6,5	25	12	24	110	180	100	1
10	2	10	8,5	25	23	46	140	140	130	2,4
13	3	12.5	10,5	25	45	90	110	140	110	3,9
20	4	19	15,8	25	106	220	100	130	120	11
25	5	25	17,3	20	189	260	100	110	100	19
39	7	40	36	6	379	757	25	25	25	95
50	8	50	50	5	757	1000	20	20	20	170

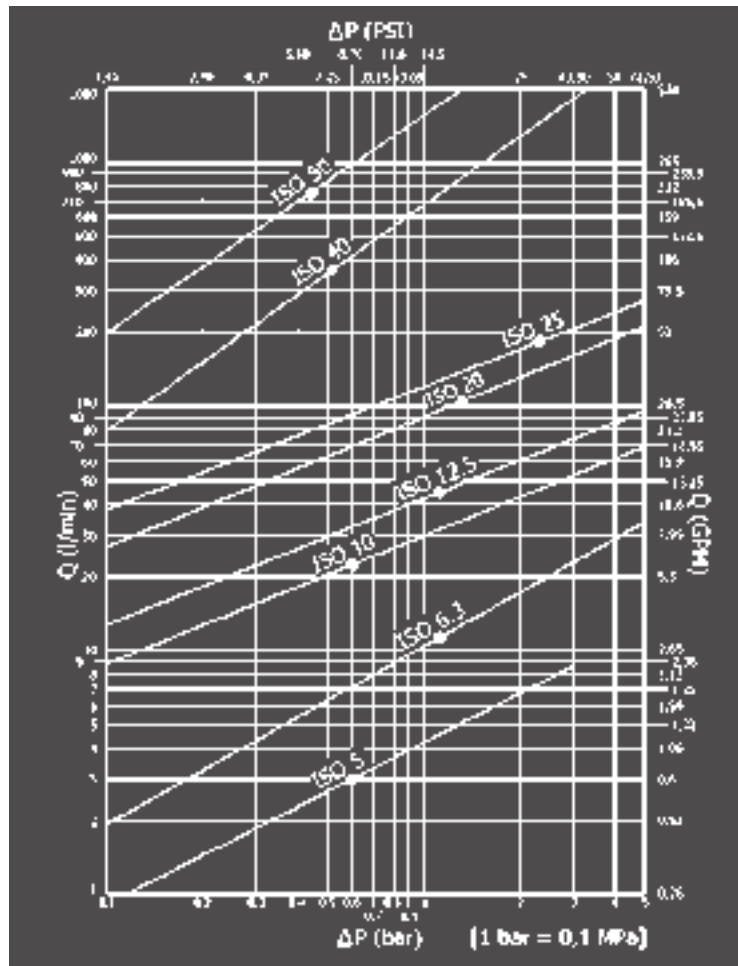
In particolare per ogni dimensione viene indicato:

- il passaggio (in millimetri)
 - la pressione massima di esercizio (in MPa)
 - la portata nominale e la portata massima (in litri al minuto)
 - la pressione minima di scoppio (in MPa) sia con le parti innestate che disinnestate
 - lo spillaggio, ovvero la perdita di fluido in fase di disinnesto (in cc)
- Tutte le unità di misura sono espresse secondo il sistema metrico decimale (Sistema Internazionale).

The following values are indicated for each size of coupling:

- The passage (millimetres)
- The maximum working pressure (MPa)
- Nominal flow and maximum flow rate (liters per minute)
- The minimum burst pressure (MPa), coupled and uncoupled
- The spillage, or fluid loss during disconnection (cc)

All units are given according to the metric system (International System).



INNESTI RAPIDI A FACCIA PIANA

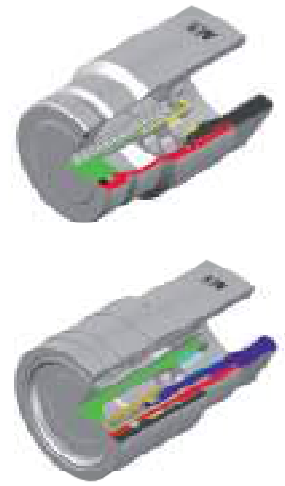
Norma ISO 16028 - Acciaio Inox AISI 316

FLAT FACE COUPLINGS

ISO 16028 Standard - AISI 316 Stainless Steel

**DATI TECNICI
TECHNICAL DATA**

**PERDITE DI CARICO
PRESSURE DROP**



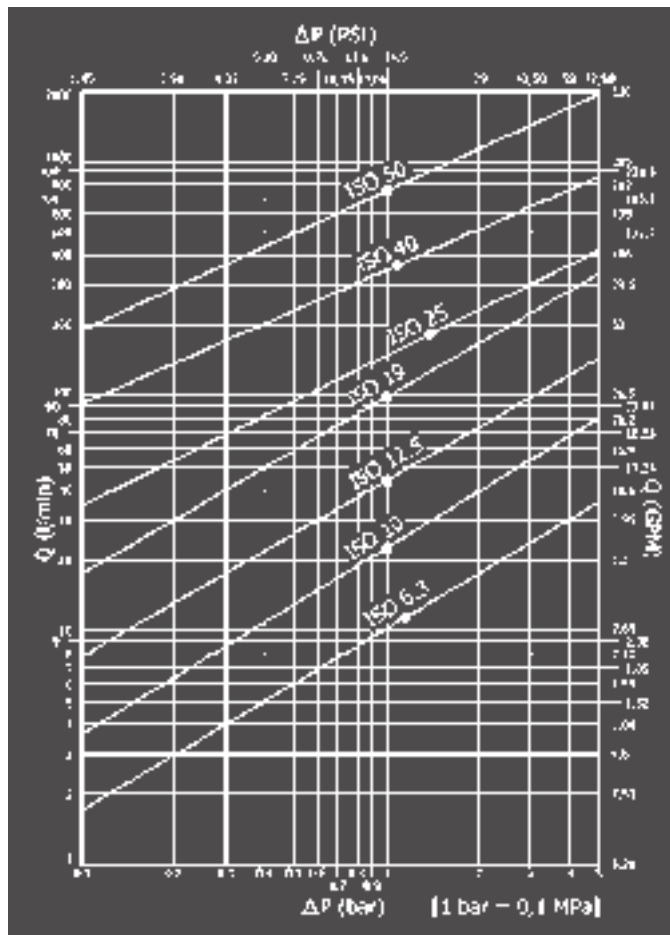
Nominal size				Max working pressure Mpa	Rated Flow l/min	Max Flow rate l/min	Min burst pressure			Fluid spillage cc
DN	BG	ISO	mm				Male MPa	Female MPa	Coupled MPa	
06	1	6.3	6	30	12	24	180	120	140	0,008
13	2	10	8,6	25	23	46	160	100	160	0,010
20	3	12.5	10,7	25	45	90	150	110	190	0,012
25	4	19	14,8	25	100	200	140	110	140	0,020
30	5	25	17,6	25	189	280	130	100	140	0,030
39	7	40	30	25	379	700	120	120	110	0,050
50	8	50	40,6	25	757	1000	100	100	100	0,100

In particolare per ogni dimensione viene indicato:

- il passaggio (in millimetri)
 - la pressione massima di esercizio (in MPa)
 - la portata nominale e la portata massima (in litri al minuto)
 - la pressione minima di scoppio (in MPa) sia con le parti innestate che disinnestate
 - lo spillaggio, ovvero la perdita di fluido in fase di disinnesto (in cc)
- Tutte le unità di misura sono espresse secondo il sistema metrico decimale (Sistema Internazionale).

The following values are indicated for each size of coupling:

- The passage (millimetres)
 - The maximum working pressure (MPa)
 - Nominal flow and maximum flow rate (liters per minute)
 - The minimum burst pressure (MPa), coupled and uncoupled
 - The spillage, or fluid loss during disconnection (cc)
- All units are given according to the metric system (International System).



MCS

HYDRAULICS

Raccordi bassa pressione serie Unilock
Low pressure fittings Unilock series



Collezione - Collection
2019

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ISTRUZIONI DI MONTAGGIO
ASSEMBLY INSTRUCTIONS

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FEMMINA GIR. GAS CONO 60° UNILOCK
BSP SWIVEL FEM. 60° CONE UNILOCK

Cod. BPSPF..UNI

Pag. 10.03



FEMM. GIR.90°GAS CONO 60° UNILOCK
90° BSP SWIVEL FEM.60°CONE UNILOCK

Cod. 90BSPSF..UNI

Pag. 10.03



FEMM.GIR. 24° SERIE LEGG. UNILOCK
METR.SWIVEL FEM. 24°CONE UNILOCK

Cod. ORMSFL..UNI

Pag. 10.04



MASCHIO METR.24° SER.LEG.UNILOCK
METRIC MALE 24°CONE UNILOCK

Cod. MML..UNI

Pag. 10.04



FEMM.GIR.JIC SV.74° UNILOCK
JIC SWIVEL FEMALE 74° CONE UNILOCK

Cod. JSF..UNI

Pag. 10.05



MASCHIO JIC CONO 74° UNILOCK
JIC MALE 74° CONE UNILOCK

Cod. JM..UNI

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FEMM.METR.TUB.SER.LEGG.UNILOCK
METRIC STAND. LIGHT TYPE UNILOCK

Cod. SL..UNI

Pag. 10.06



MASCHIO GAS SV.60° UNILOCK
BSP MALE 60° CONE UNILOCK

Cod. BSPM..UNI

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MASCHIO SV.60° - NPT UNILOCK
MALE 60° CONE - NPT UNILOCK

Cod. NPTM..UNI

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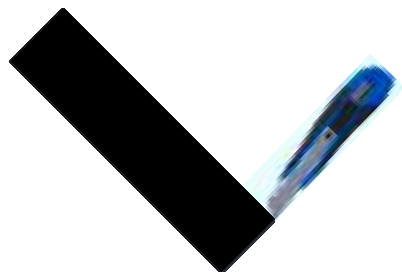
MASCHIO SV.60° GAS-CON. UNILOCK
MALE 60°CONE BSP-TAPER UNILOCK

Cod. BSPTM..UNI

Pag. 10.07

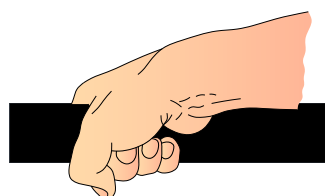
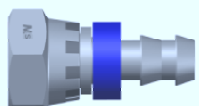
- ISTRUZIONI DI MONTAGGIO -

- ASSEMBLY INSTRUCTIONS -

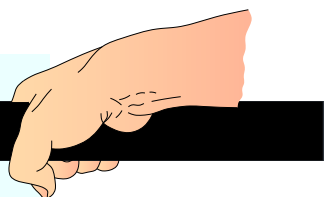
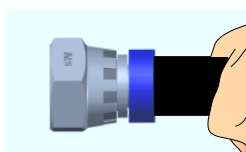


1. Tagliare il tubo a 90° alla lunghezza desiderata usando un taglierino.

1. Cut the hose squarely to desired length, using a cutter.



2. Appoggiare su di una superficie piana l'estremità del raccordo e, impugnando il tubo a circa due centimetri dall'estremità spingere fino a coprire con il collarino di plastica blu tutta l'estremità del tubo.



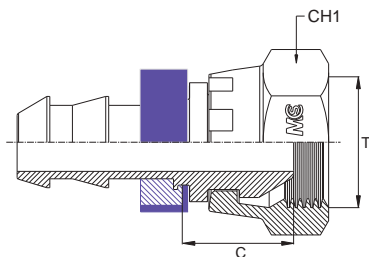
2. Place the fitting end on a flat surface, hold the hose at about 2 cm from its extremity and push it until the hose end will be fully covered by the blue plastic ring.

3. N.B. I raccordi Unilock possono essere utilizzati solo dopo l'inserimento completo del tubo fino al collarino di plastica blu.

3. Warning: unilock fittings can only be used if the hose has been fully inserted up to the blue ring.

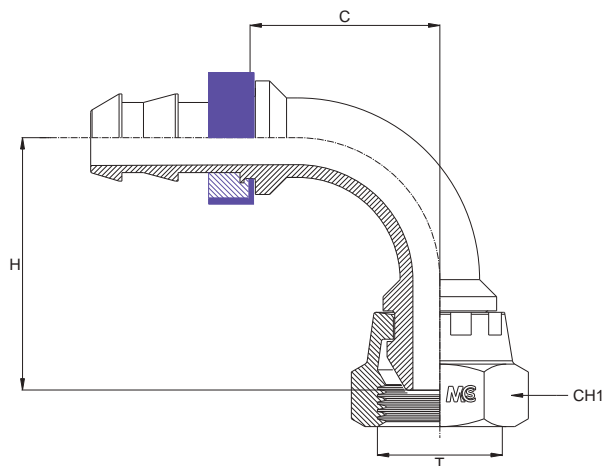


FEMMINA GIREVOLE GAS CONO 60° - *Unilock*
BSP SWIVEL FEMALE 60° CONE - *Unilock*
- DKR -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	BSPSF0404 <i>Uni</i>	1/4"	1/4"	15,5	19
	BSPSF0606 <i>Uni</i>	3/8"	3/8"	15,5	22
15	BSPSF0808 <i>Uni</i>	1/2"	1/2"	19,0	27
	BSPSF1212 <i>Uni</i>	3/4"	3/4"	20,5	32
12	BSPSF1616 <i>Uni</i>	1"	1"	21,5	38

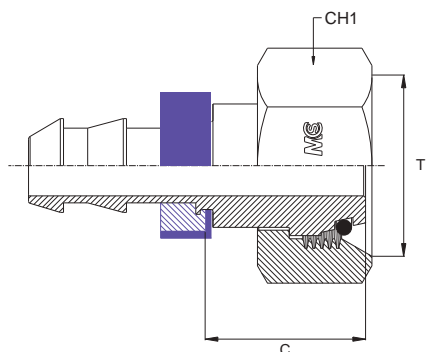
FEMMINA GIREVOLE A 90° GAS CONO 60° - *Unilock*
90° BSP SWIVEL FEMALE 60° CONE - *Unilock*
- DKR 90° -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
18	90BSPSF0404 <i>Uni</i>	1/4"	1/4"	22,0	27,5	19
	90BSPSF0606 <i>Uni</i>	3/8"	3/8"	31,0	36,5	22
15	90BSPSF0808 <i>Uni</i>	1/2"	1/2"	33,5	44,5	27
	90BSPSF1212 <i>Uni</i>	3/4"	3/4"	48,0	59,0	32
12	90BSPSF1616 <i>Uni</i>	1"	1"	62,0	74,5	38

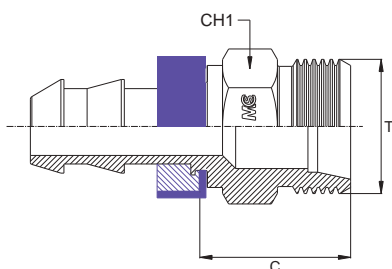
* Per misure non presenti si prega di contattare il nostro ufficio commerciale.
 * Other sizes available on request.

FEMMINA GIR. O'RING FIL. METRICO CONO 24° - SERIE LEGGERA - *Unilock*
O'RING METRIC SWIVEL FEMALE 24° CONE - LIGHT TYPE - *Unilock*
- DKOL -



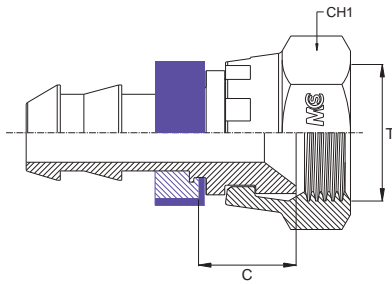
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
18	ORMSFL0604 <i>Uni</i>	12x1,5	1/4"	06L	20,5	14
	ORMSFL0804 <i>Uni</i>	14x1,5	1/4"	08L	21,5	17
	ORMSFL1004 <i>Uni</i>	16x1,5	1/4"	10L	24,5	19
	ORMSFL1006 <i>Uni</i>	16x1,5	3/8"	10L	22,5	19
	ORMSFL1206 <i>Uni</i>	18x1,5	3/8"	12L	22,5	22
15	ORMSFL1508 <i>Uni</i>	22x1,5	1/2"	15L	23,0	27
	ORMSFL1808 <i>Uni</i>	26x1,5	1/2"	18L	28,0	32
	ORMSFL2212 <i>Uni</i>	30x2	3/4"	22L	31,5	36
12	ORMSFL2816 <i>Uni</i>	36x2	1"	28L	31,5	41

MASCHIO METRICO SVASATO 24° - SERIE LEGGERA - *Unilock*
METRIC MALE 24° CONE - LIGHT TYPE - *Unilock*
- CEL -



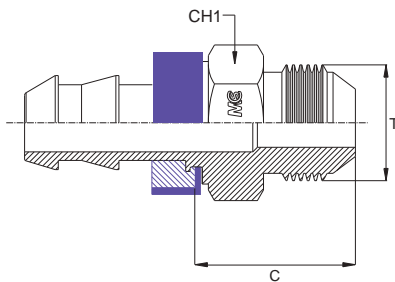
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	DIN 24°	C Cut - Off	CH1
18	MML0604 <i>Uni</i>	12x1,5	1/4"	06L	23,5	14
	MML0804 <i>Uni</i>	14x1,5	1/4"	08L	23,5	14
	MML1004 <i>Uni</i>	16x1,5	1/4"	10L	25,5	17
	MML1006 <i>Uni</i>	16x1,5	3/8"	10L	23,5	17
	MML1206 <i>Uni</i>	18x1,5	3/8"	12L	23,5	19
15	MML1508 <i>Uni</i>	22x1,5	1/2"	15L	24,5	22
	MML1808 <i>Uni</i>	26x1,5	1/2"	18L	27,0	27
	MML2212 <i>Uni</i>	30x2	3/4"	22L	28,0	30
12	MML2816 <i>Uni</i>	36x2	1"	28L	30,0	36

FEMMINA GIREVOLE JIC SVASATA 74° - *Unilock*
JIC SWIVEL FEMALE 74° CONE - *Unilock*
- DKJ -



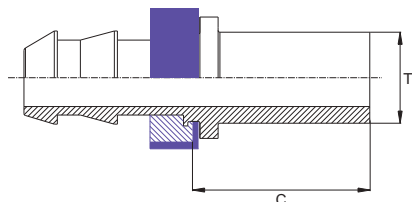
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	JSF0704 <i>Uni</i>	7/16"	1/4"	14,0	17
	JSF0804 <i>Uni</i>	1/2"	1/4"	14,0	17
	JSF0906 <i>Uni</i>	9/16"	3/8"	12,0	19
	JSF1206 <i>Uni</i>	3/4"	3/8"	15,5	24
15	JSF1208 <i>Uni</i>	3/4"	1/2"	15,5	24
	JSF1712 <i>Uni</i>	1" 1/16	3/4"	18,5	32
12	JSF2116 <i>Uni</i>	1" 5/16	1"	19,0	38

MASCHIO JIC CONO 74° - *Unilock*
JIC MALE 74° CONE - *Unilock*
- AGJ -



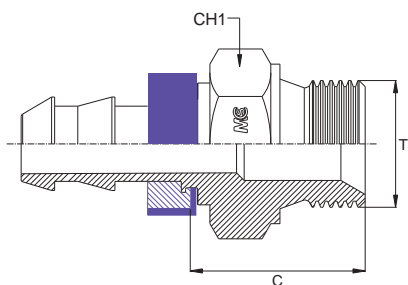
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	JM0704 <i>Uni</i>	7/16"	1/4"	26,0	14
	JM0804 <i>Uni</i>	1/2"	1/4"	27,0	14
	JM0906 <i>Uni</i>	9/16"	3/8"	24,8	17
	JM1206 <i>Uni</i>	3/4"	3/8"	27,0	22
15	JM1208 <i>Uni</i>	3/4"	1/2"	26,0	22
	JM1712 <i>Uni</i>	1" 1/16	3/4"	35,0	27
12	JM2116 <i>Uni</i>	1" 5/16	1"	38,5	36

FEMMINA METRICA TUBOLARE - SERIE LEGGERA - *Unilock*
METRIC STANDPIPE - LIGHT TYPE - *Unilock*
- BEL -



Bar W.P.	Codice Part Number	T Ø Tubo Ø Tube	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off
18	SL0604 <i>Uni</i>	06 L	1/4"	28,0
	SL0804 <i>Uni</i>	08 L	1/4"	28,0
	SL1004 <i>Uni</i>	10 L	1/4"	28,0
	SL1006 <i>Uni</i>	10 L	3/8"	28,5
15	SL1206 <i>Uni</i>	12 L	3/8"	28,5
	SL1508 <i>Uni</i>	15 L	1/2"	29,0
	SL1808 <i>Uni</i>	18 L	1/2"	29,0
12	SL2212 <i>Uni</i>	22 L	3/4"	31,5
	SL2816 <i>Uni</i>	28 L	1"	34,5

MASCHIO BSP SVASATO A 60° - *Unilock*
BSP MALE PARALLEL 60° CONE - *Unilock*
- AGR -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	BSPM0404 <i>Uni</i>	1/4"	1/4"	25,5	19
	BSPM0606 <i>Uni</i>	3/8"	3/8"	25,5	22
15	BSPM0808 <i>Uni</i>	1/2"	1/2"	28,5	27
	BSPM1212 <i>Uni</i>	3/4"	3/4"	32,0	32
12	BSPM1616 <i>Uni</i>	1"	1"	36,0	38

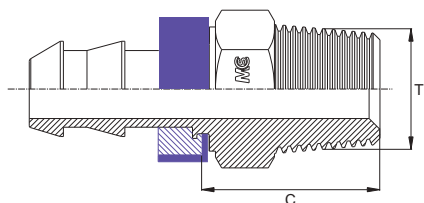
MASCHIO SVASATO 60° - Unilock

Filetto NPT

MALE 60° CONE - Unilock

Thread NPT

- AGN -



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	NPTM0404Uni	1/4"	1/4"	26,0	14
	NPTM0606Uni	3/8"	3/8"	26,0	19
15	NPTM0808Uni	1/2"	1/2"	30,5	22
	NPTM1212Uni	3/4"	3/4"	32,0	27
12	NPTM1616Uni	1"	1"	39,0	36

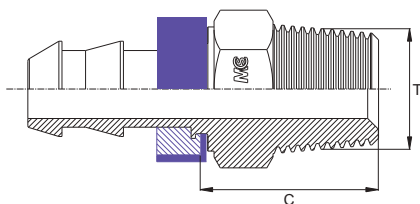
MASCHIO SVASATO 60° - Unilock

Filetto Gas Conico

MALE 60° CONE - Unilock

Thread BSP Taper

- AGR-K-



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
18	BSPTM0404Uni	1/4"	1/4"	25,5	14
	BSPTM0606Uni	3/8"	3/8"	26,0	19
15	BSPTM0808Uni	1/2"	1/2"	28,5	22
	BSPTM1212Uni	3/4"	3/4"	32,0	27
12	BSPTM1616Uni	1"	1"	39,0	36

MCS

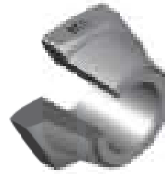
HYDRAULICS

Raccordi a Saldare *Welding Fittings*



Collezione - Collection
2019

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**ADATTATORE DIRITTO MASCHIO
A SALDARE Filetto Gas Conico**
MALE STRAIGHT WELDING ADAPTOR
Thread BSP Taper

Cod. BSPTWM..

Pag. 11.2



**ADATTATORE DIRITTO MASCHIO
A SALDARE Filetto Gas Cilindrico**
MALE STRAIGHT WELDING ADAPTOR
Thread BSP

Cod. BSPWM..

Pag. 11.3



**ADATTATORE DIRITTO MASCHIO
A SALDARE Filetto Gas Cil. con Tasca**
MALE STRAIGHT WELDING ADAPTOR
Thread BSP with groove

Cod. BSPWM..T..

Pag. 11.4



**MANICOTTO DIRITTO MASCHIO
A SALDARE Filetto Gas Cilindrico**
WELDING UNION MALE
Thread BSP

Cod. BSPWME..

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**BORCHIA A SALDARE
Filetto Gas Cilindrico**
WELDING STUD
Thread BSP

Cod. BSG..

Pag. 11.6



OGIVA A SALDARE SV.60°
Filetto Gas Cilindrico
WELD ON NIPPLE 60° CONE
Thread BSP

Cod. OSG..

Pag. 11.7



DADO LIBERO PER OGIVA A SALDARE
Filetto Gas Cilindrico
FREE NUT FOR WELD ON NIPPLE
Thread BSP

Cod. DGL..

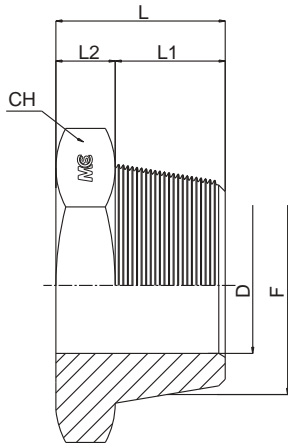
Pag. 11.8

ADATTATORE DIRITTO MASCHIO A SALDARE

Filetto Gas Conico

MALE STRAIGHT WELDING ADAPTOR

Thread BSP Taper



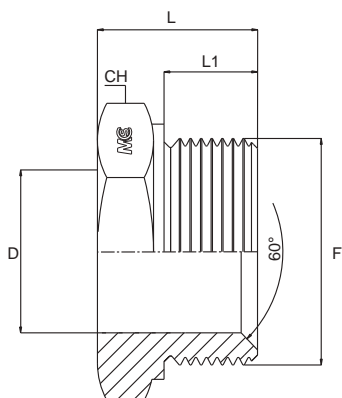
Bar W.P.	Codice Part Number	F	D	L1	L2	L	CH
300	BSPTWM02	1/8"	4,0	8,0	8,0	16,0	14
	BSPTWM04	1/4"	6,3	13,0	8,0	21,0	14
280	BSPTWM06	3/8"	8,0	14,0	8,0	22,0	19
200	BSPTWM08	1/2"	12,0	17,0	8,5	25,5	22
	BSPTWM12	3/4"	17,0	17,5	9,5	27,0	27
120	BSPTWM16	1"	22,0	22,0	11,0	33,0	36
105	BSPTWM20	1"1/4	30,0	24,0	12,0	36,0	46
	BSPTWM24	1"1/2	35,0	24,0	13,0	37,0	50
70	BSPTWM32	2"	44,0	25,0	14,0	39,0	65

ADATTATORE DIRITTO MASCHIO A SALDARE

Filetto Gas Cilindrico

MALE STRAIGHT WELDING ADAPTOR

Thread BSP



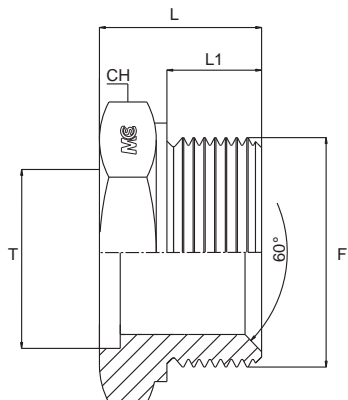
Bar W.P.	Codice Part Number	F	D	L1	L	CH
300	BSPWM02	1/8"	4,0	8,0	16,0	14
	BSPWM04	1/4"	6,3	11,0	19,5	19
	BSPWM06	3/8"	8,0	12,0	21,5	22
200	BSPWM08	1/2"	12,0	14,0	24,0	27
	BSPWM12	3/4"	17,0	16,0	27,0	32
120	BSPWM16	1"	22,0	19,0	32,0	41
105	BSPWM20	1" 1/4	30,0	20,0	33,5	50
	BSPWM24	1" 1/2	35,0	20,0	34,5	55
70	BSPWM32	2"	44,0	24,5	39,0	70

ADATTATORE DIRITTO MASCHIO A SALDARE

Filetto Gas Cilindrico con Tasca

MALE STRAIGHT WELDING ADAPTOR

Thread BSP with groove



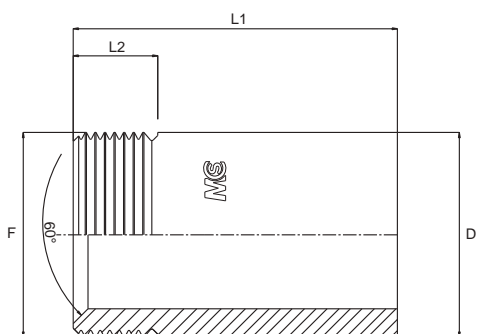
Bar W.P.	Codice Part Number	F	D	L1	T	L	CH
300	BSPWM02T08	1/8"	4,0	8,0	8,0	16,0	14
	BSPWM04T10	1/4"	6,3	11,0	10,0	19,5	19
	BSPWM06T12	3/8"	8,0	12,0	12,0	21,5	22
200	BSPWM08T16	1/2"	12,0	14,0	16,0	24,0	27
	BSPWM12T25	3/4"	17,0	16,0	25,0	27,0	32
120	BSPWM16T26	1"	22,0	19,0	26,0	32,0	41
105	BSPWM20T32	1" 1/4	30,0	20,0	32,0	33,5	50
	BSPWM24T38	1" 1/2	35,0	20,0	38,0	34,5	55
70	BSPWM32T46	2"	44,0	24,5	46,0	39,0	70

MANICOTTO DIRITTO MASCHIO A SALDARE

Filetto Gas Cilindrico

WELDING UNION MALE

Thread BSP



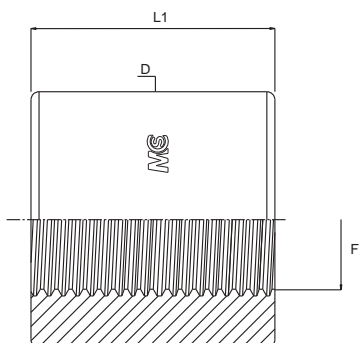
Bar W.P.	Codice Part Number	F	D	L1	L2
300	BSPWME02	1/8"	10,0	24,0	9,5
	BSPWME04	1/4"	14,0	25,0	13,0
	BSPWME06	3/8"	17,0	35,0	15,0
200	BSPWME08	1/2"	21,0	35,0	15,0
	BSPWME12	3/4"	28,0	36,0	17,0
120	BSPWME16	1"	34,0	41,0	18,0
105	BSPWME20	1" 1/4	42,0	45,0	20,0
	BSPWME24	1" 1/2	48,0	50,0	20,0
70	BSPWME32	2"	60,0	50,0	24,5

BORCHIA A SALDARE

Filetto Gas Cilindrico

WELDING STUD

Thread BSP



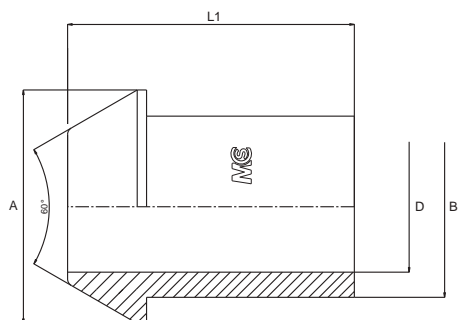
Bar W.P.	Codice Part Number	F	L1	D
300	BSG02	1/8"	14,0	20,0
	BSG04	1/4"	16,0	22,0
	BSG06	3/8"	17,0	26,0
200	BSG08	1/2"	18,0	30,0
	BSG12	3/4"	20,0	38,0
120	BSG16	1"	26,0	45,0
105	BSG20	1" 1/4	26,0	55,0
	BSG24	1" 1/2	30,0	62,0
70	BSG32	2"	30,0	70,0

OGIVA A SALDARE SV.60°

Filetto Gas Cilindrico

WELD ON NIPPLE 60° CONE

Thread BSP



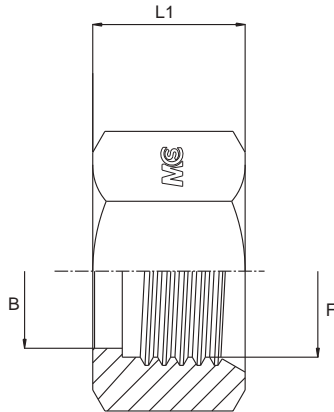
Bar W.P.	Codice Part Number	A	B	D	L1
300	OSG02	-	-	-	-
	OSG04	11,5	9,6	4,0	27,0
	OSG06	14,5	12,8	7,0	28,0
200	OSG08	18,6	15,8	9,5	28,0
	OSG12	24,1	21,8	15,0	34,0
120	OSG16	30,0	26,7	20,0	36,0
105	OSG20	38,8	33,5	29,0	37,0
	OSG24	44,4	40,9	32,0	37,0
70	OSG32	56,2	53,7	40,0	40,0

DADO LIBERO PER OGIVA A SALDARE

Filetto Gas Cilindrico

FREE NUT FOR WELD ON NIPPLE

Thread BSP



Bar W.P.	Codice Part Number	F	B	L1
300	DGL02	1/8"	-	-
	DGL04	1/4"	9,8	14,5
	DGL06	3/8"	13,0	17,0
200	DGL08	1/2"	16,0	18,0
	DGL12	3/4"	22,0	20,0
120	DGL16	1"	28,1	22,0
105	DGL20	1" 1/4	34,0	23,0
	DGL24	1" 1/2	41,2	23,0
70	DGL32	2"	54,2	32,0

MCS

HYDRAULICS

*Miniprese prova pressione
Test Couplings for pressure checking*



*Collezione - Collection
2019*



Miniprese prova pressione
 Test couplings for pressure checking

Applicazioni:

- Controllo pressione
- Lubrificazione
- Spurgo aria
- Prelievo campioni olio

Materiale:

- Acciaio Inox AISI316L/Ti
- Su richiesta : AcciaioInox 316Ti, AISI303, AISI304

Guarnizioni:

- VITON(FKM)

Temperature di esercizio:

- -25°.....+230°C

Fluidi:

- Olio idraulico
- Olio a base minerale
- Compatibilità con altri fluidi a richiesta

Applications:

- Pressure control
- Lubrification
- Airbleeding
- Oil sampling

Material:

- Stainless Steel AISI316L/Ti
- On request : Stainless Steel 316Ti, AISI303, AISI304

Sealing:

- (FKM)VITON

Working Temperature:

- -25°.....+230°C

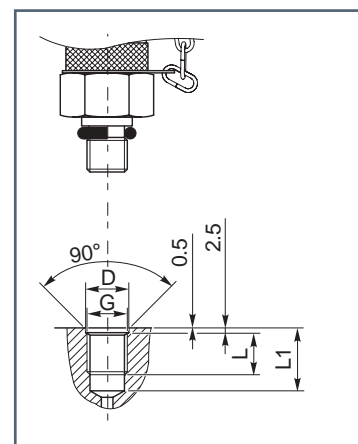
Fluids:

- Hydraulic oils
- Mineral oils
- Suitability with other fluids on request

Esecuzione dei fori filettati e tipi di tenuta
 Hole screw-cuts and sealing types

Type **A**

Tenuta con O-Ring O-Ring sealing	G	D	L	L1
M 8x1		9.5	11	15.5
M 10x1		11.5	12	16.5



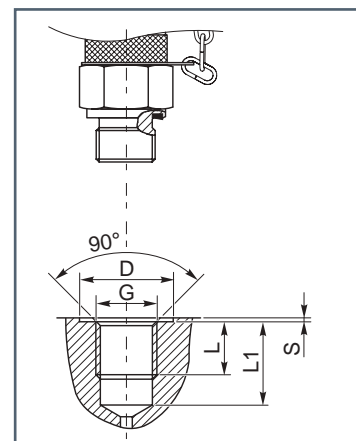
Miniprese prova pressione Test couplings for pressure checking



Type **C**

Tenuta con guarnizione piana
Flat gasket sealing

G	D	L	L1	S
M 10x1	17	10	13.5	1
M 12x1,5	17	10	13.5	1
M 12x1.5	18	12	18.5	1
M 14x1.5	20	14	18.5	1
ISO 228 G 1/8"	17	10	13.5	1
ISO 228 G 1/4"	20	14	18.5	1
ISO 228 G 3/8"	24	16	18.5	1.5
ISO 228 G 1/2"	30	18	24	1.5

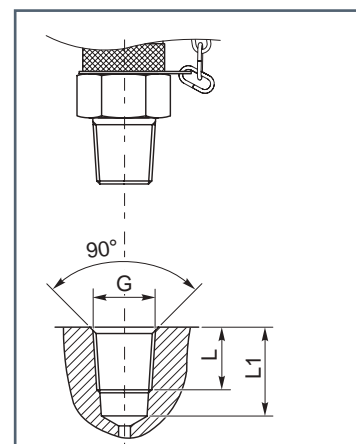


Type **D**

Tenuta:
- Gas conico ISO 7/1
- Conico NPTF

Sealing by thread:
- B.S.P. Taper ISO 7/1
- Taper NPTF

G	L	L1
ISO 7/1 1/8"	5.5	12
ISO 7/1 1/4"	8.5	13.5
1/8"-27 NPTF	9	14
1/4"-18 NPTF	9	18.5
3/8"-18 NPTF	14	20
1/2"-14 NPTF	18	24





Miniprese prova pressione
Test couplings for pressure checking

Come ordinare

How to order

Per ordinare i componenti indicare il codice riportato nelle tabelle per ogni configurazione indicando l'eventuale lettera attribuita all'opzione desiderata.

Please indicate the code shown in the required form chart, and add, if necessary, the letter of the chosen option.

Configurazione / Form

Tappo metallo con catenella e sistema interno di tenuta a pistone
Metal cap with chain and poppet valve sealing system

Lasciare "S1" nel codice / Put "S1" in the ref. S1xxxxxxC

Tappo: Lettera "C" nel codice / "C" in the ref. S1xxxxxxC

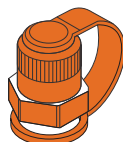
Opzioni / Options



0

Tappo metallo. laccio in plastica / Metal cap with plastic binder

Sostituire nel codice "C" con "0" / Replace "C" with "0" S1xxxxxx0



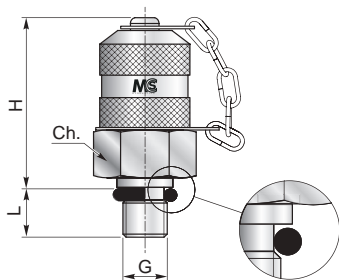
P

Tappo in plastica / Plastic cap

Sostituire nel codice "C" con "P" / Replace "C" with "P" S1xxxxxxP

Miniprese filettate M16x2

Threaded test couplings M16x2



G	H	L	Ch	PN [bar]	Tenuta/Seal	Codice/Ref.
Metrica cilindrica / Metric parallel						
M8x1*	37	8.5	17	250	O-Ring type	S10108V1AIC
M10x1	37	8.5	17	630	A	S10110V1AIC

*Disponibile su richiesta / available on request

Opzioni/Options

0

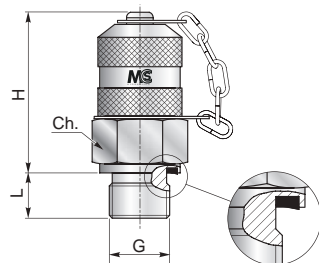
P

Miniprese prova pressione
Test couplings for pressure checking



Miniprese filettate M16x2

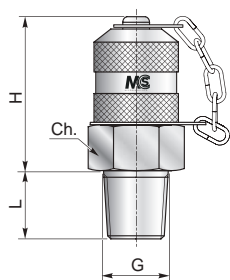
Threaded test couplings M16x2



G	H	L	Ch	PN [bar]	Tenuta/Seal	Codice/Ref.
Metrica cilindrica / Metric parallel						
M 10x1	37	8	17	630	Type C	S10410V1AIC
M 12x1.5	37	10	17	630		S10612V15AIC
M 14x1.5	37	12	22	630		S10614V15AIC
Gas cilindrica / B.S.P. parallel						
ISO 228 G 1/8"	37	8	17	630	Type C	S10718GVAIC
ISO 228 G 1/4"	37	12	19	630		S10714GVAIC
ISO 228 G 3/8"	37	14	22	630		S10738GVAIC
ISO 228 G 1/2"	37	15	27	630		S10712GVAIC

Opzioni/Options

0 P

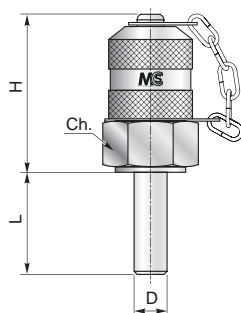


G	H	L	Ch	PN [bar]	Tenuta/Seal	Codice/Ref.
GAS conica / B.S.P taper						
ISO 7/1 R 1/8"	37	10	17	400	Type D	S1081828VAIC
ISO 7/1 R 1/4"	37	12	19	630		S1081419VAIC
NPTF / NPTF						
1/8"-27 NPTF	37	10	17	400	Type D	S1091827VAIC
1/4"-18 NPTF	37	17	17	630		S1091418VAIC
3/8"-18 NPTF	37	16	22	630		S1093818VAIC
1/2"-14 NPTF	37	17	24	630		S1091214VAIC

0 P

Miniprese a codolo liscio M16x2

Standpipe test couplings M16x2



D	H	L	Ch	PN [bar]		Codice/Ref.
				SeriesL	SeriesS	
6	37	20	17	315	630	S11206VAIC

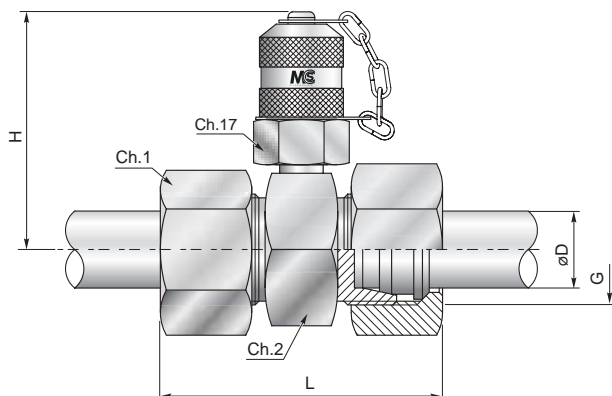
Opzioni/Options

0 P



Miniprese prova pressione
Test couplings for pressure checking

Minipresa raccordo intermedio diretto per tubo metallico M16x2
Straight test coupling for metal pipe fitting M16x2



Serie / Series	D	G	H	L	Ch 1	Ch 2	PN [bar]	Codice/Ref.
Raccordi ad anello / Ring fittings								
L	6	M12x1.5	49	51	14	24	315	S11306VAIC
	8	M14x1.5	49	51	17	24	315	S11308VAIC
	10	M16x1.5	49	53	19	24	315	S11310VAIC
	12	M18x1.5	49	53	22	24	315	S11312VAIC
	15	M22x1.5	50.5	55	27	27	315	S11315VAIC
	18	M26x1.5	53	57	32	32	315	S11318VAIC
	22	M30x2	53	61	36	32	160	S11322VAIC
	28	M36x2	57.5	61	41	41	160	S11328VAIC
	35	M45x2	60	69	50	46	160	S11335VAIC
	42	M52x2	64.5	71	60	55	160	S11342VAIC
S	6	M14x1.5	49	55	17	24	630	S11406VAIC
	8	M16x1.5	49	55	19	24	630	S11408VAIC
	10	M18x1.5	49	57	22	24	630	S11410VAIC
	12	M20x1.5	49	57	24	24	630	S11412VAIC
	14	M22x1.5	49	63	27	24	630	S11414VAIC
	16	M24x1.5	52	63	30	27	400	S11416VAIC
	20	M30x2	53	69	36	32	400	S11420VAIC
	25	M36x2	57.5	75	46	41	400	S11425VAIC
	30	M42x2	60	81	50	46	400	S11430VAIC
	38	M52x2	64.5	89	60	55	315	S11438VAIC

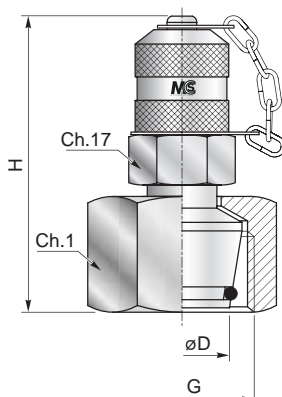
Opzioni/Options **0** **P**

Miniprese prova pressione
Test couplings for pressure checking



Minipresa tipo DKO codolo conico 24° con O-Ring M16x2

Test coupling with 24° O-Ring sealing cone DKO type M16x2

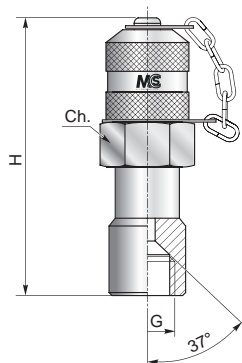


Serie / Series	D	G	H	Ch 1	PN [bar]	Codice/Ref.
L	6	M12x1.5	54	14	315	S11012V15AIC
	8	M14x1.5	54	17	315	S11014V15AIC
	10	M16x1.5	59	19	315	S11016V15AIC
	12	M18x1.5	59	22	315	S11018V15AIC
	15	M22x1.5	59	27	315	S11022V15AIC
	18	M26x1.5	59	32	315	S11026V15AIC
	22	M30x2	59	36	160	S11030V20AIC
	28	M35x2	60	41	160	S11035V20AIC
	35	M45x2	62	50	160	S11045V20AIC
	42	M52x2	65	60	160	S11052V20AIC
S	6	M14x1.5	54	17	630	S11114V15AIC
	8	M16x1.5	54	19	630	S11116V15AIC
	10	M18x1.5	59	22	630	S11118V15AIC
	12	M20x1.5	59	24	630	S11120V15AIC
	14	M22x1.5	59	27	630	S11122V15AIC
	16	M24x1.5	60	30	400	S11124V15AIC
	20	M30x2	62	36	400	S11130V20AIC
	25	M36x2	65	46	400	S11136V20AIC
	30	M42x2	65	50	400	S11142V20AIC
	38	M52x2	65	60	315	S11152V20AIC

Opzioni/Options **0** **P**

Minipresa con raccordo femmina fisso sede JIC 37° M 16x2

Female fixed test coupling - JIC 37° M 16x2



G	H	Ch	PN [bar]	Codice/Ref.
9/16"-18 UNF	66	19	315	S115091FFVAIC

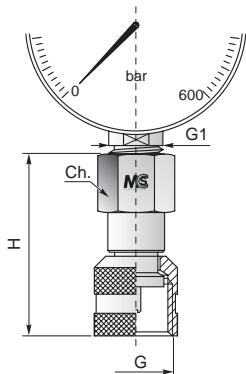
Opzioni/Options **0** **P**



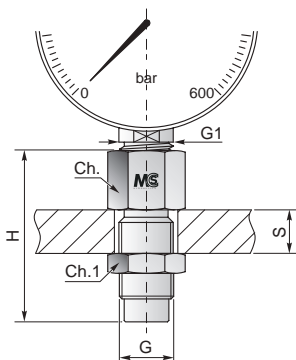
Miniprese prova pressione
Test couplings for pressure checking

Adattatori per manometro

Pressure gauge adapters



G	G1	H	Ch	PN [bar]	Codice/Ref.
Portamanometro connessione diretta / Direct gauge adapter					
M 16x2	ISO228G1/4"	50	19	630	2014VAI0
M 16x2	ISO228G1/2"	55	27	630	2012VAI0
M 16x2	1/4"-18NPTF	50	19	630	2014NPTVAI
M 16x2	1/2"-14NPTF	55	27	630	2012NPTVAI

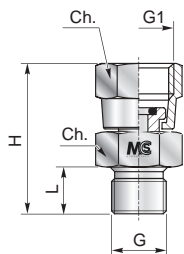


G	G1	H	Ch	Ch 1	S max	PN [bar]	Codice/Ref.
Portamanometro passaparete / Bulkhead pressure gauge connection							
M 16x2	ISO228G1/4"	50	19	19	11	630	1814VAI0
M 16x2	ISO228G1/2"	57	27	19	13	630	1812VAI0
M 16x2	1/4"-18NPTF	50	19	19	11	630	1814NPTVAI
M 16x2	1/2"-14NPTF	57	27	19	13	630	1812NPTVAI

N.B.: passaggio libero senza valvola / Note: without check valve

Adattatori

Adapters



G1	G	H	L	Ch	PN [bar]	Tenuta/Seal	Codice/Ref.
Connettore portamanometro orientabile / Swivel pressure gauge connection							
ISO 228 G 1/4"	ISO 228 G 1/4"	34	11	17	400	*	1814MVAI
ISO 228 G 1/4"	ISO 228 G 1/2"	40	15	17	400	*	1814M12VAI
ISO 228 G 1/4"	ISO 7/1 R 1/4"	34	12	17	400	*	1814MBSPTVA
ISO 228 G 1/4"	ISO 7/1 R 1/2"	46	16	27	400	*	1842MBSPTVA
ISO 228 G 1/2"	ISO 7/1 R 1/2"	46	16	27	400	*	1812MBSPTVA
ISO 228 G 1/2"	ISO 7/1 R 1/4"	46,5	12	27	400	*	1824MBSPTVA

*Rondella di rame (a richiesta) / Copper washer (on request)



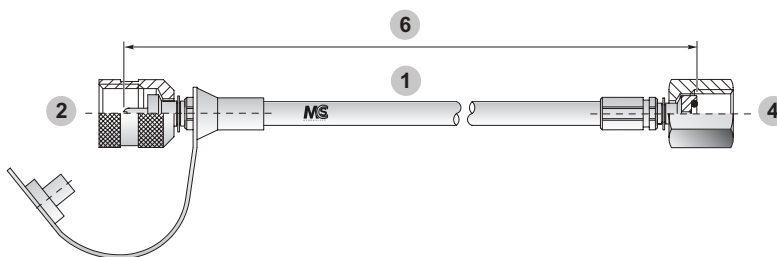
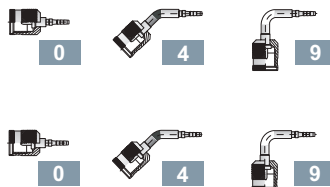
Come ordinare

How to order

Esempio per l'ordine
 Ordering example

Codice ordine / Order code					
RD2	31TN	0	3614	0	L1500
1	2	3	4	5	6

- 1 Tubo / Hose type
- 2 Tipo raccordo / Fitting type
- 3 Curvatura del raccordo
Elbow fitting angle
- 4 Tipo raccordo / Fitting type
- 5 Curvatura del raccordo
Elbow fitting angle
- 6 Lung.tubo / Hose length



Normativa di riferimento

Reference regulations

Riferimento tubo / Hose code	
RD2 - RD4	
Adatto per passaggio di oli minerali, oli idraulici tipo ASTM3, benzine. Resistenza chimica all'olio per freni (tipo DOT4) For mineral and hydraulic oil, type ASTM3, fuel. Brake systems oil (type DOT4).	

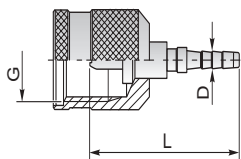
		RD2	RD4
Diamestermo Outsidediameter	[mm]	5	8
Diametro interno Inside diameter	[mm]	2	4
Pressione max.di lavoro Max.working pressure	[bar]	630	500
Pressione minima di scoppio Min.bursting pressure	[bar]	1890	1500
Raggio minimo Min.bending radius	[mm]	20	35
Temperature di esercizio Working temperature	°C	-40...+100	-40...+100
Materiale anima Core material	Poliestere termoplastico Thermoplastic polyester		
Materiale treccia Braid material	Fibra aramidica Aramidic fibre		
Ricopertura est. Cover material	Poliuretano antiabrasione Antiabrasion polyurethane		



Tubo capillare per alta pressione e raccordi
Micro hose for high pressure and fittings

Raccordo connessione avvitabile per miniprese

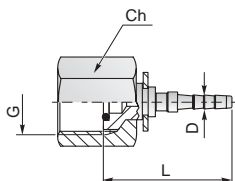
Test coupling threaded female fitting



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	M16x2	32.5	19	2.0	31TNVAI0
RD4	M16x2	36.5	19	4.0	31TNVAI4

Raccordo connessione avvitabile per manometro

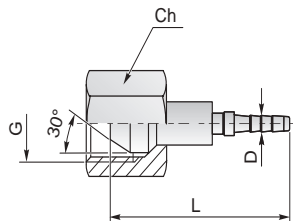
Gauges threaded fitting



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/4	26	19	2.0	3614VAI0
	G 1/2	33.5	27	2.0	3612VAI0

Raccordo femmina girevole connessione cono 60° tipo DKR

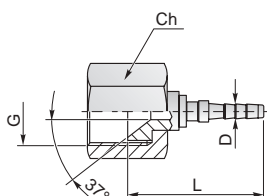
Swivel female fitting 60° cone connection type DKR



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/4	26	17	2.0	3814AI00
RD4	G 1/4	32.5	17	4.0	3814AI04

Raccordo femmina girevole connessione JIC 74° tipo DKJ

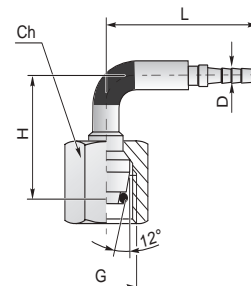
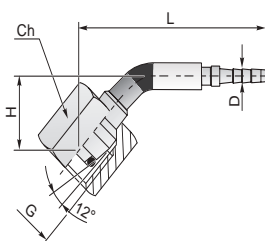
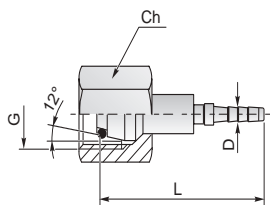
Swivel female fitting JIC 74° connection type DKJ



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	7/16-20 UNF	25	14	2.0	3916AI00
	3/8-24 UNF	24.5	12	2.0	3938JAI0
RD4	7/16-20 UNF*	28	14	4.0	3916AI04

Raccordo femmina girevole connessione cono 24° tipo DKOL

Swivel female fitting 24° cone connection type DKOL



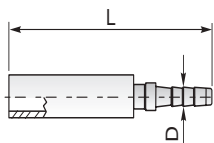
	Tubo / Hose	Ø	G	L	Ch	D	Codice/Ref.
	RD4	6	M12x1.5	35.5	14	4.0	35R0VAI4
	RD2	6	M12x1.5	31.6	14	2.0	35R0VAI0
	RD2	8	M14x1.5	31.6	17	2.0	35R2VAI0
45°	Tubo / Hose	Ø	G	H	L	Ch	D
	RD4	6	M12x1.5	15	50	14	4.0
90°	Tubo / Hose	Ø	G	H	L	Ch	D
	RD4	6	M12x1.5	25	38	14	4.0

Tubo capillare per alta pressione e raccordi
Micro hose for high pressure and fittings



Raccordi a codolo liscio

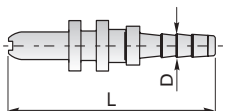
Standpipe fitting



Tubo / Hose	Ø	L	D	Codice/Ref.
RD2	6	36	2.0	34R0A100
	8	36	2.0	34R3A100

Innesto per minipresa a baionetta

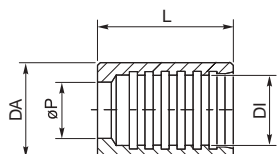
Plug-in connection



Tubo / Hose	L	D	Codice/Ref.
RD2	27	2.0	33TDA100

Ghiera a pressare

Ferrule

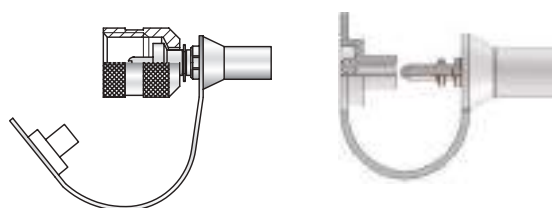


Tubo Hose	DA	DI	L	Ø P	Ø Press	PN [bar]	Codice/Ref.
RD2	8.0	5.1	15	4.5	7.1	600	FR012
RD4	12.0	8.6	17	6.5	10.2	600	FR025

Ø Press = Diametro di pressatura / Crimping diameters



Cappuccio parapolvere in plastica per raccordi RD2 e RD4 F16X2, 16X1.5, S12,65X1,65 e baionetta
Anti-dust plastic cap suitable for RD2 and RD4 F16X2, 16X1.5, S12,65X1,65 and plug-in fittings



Codice/Ref.
32CP0000
32CP0004



Parapolvere protettivo per boccola in plastica per raccordi RD2 e RD4
Ferrules anti-dust cap for RD2 and RD4 fittings



Codice/Ref.
32CS0000
32CS0004

I tubi capillari RD2 e RD4 raccordati sono sempre dotati di parapolvere 32CP000X e/o 32CS000X. In caso di acquisto di raccordi sciolti, 32CP000X e/o 32CS000X sono inclusi nel codice del raccordo. Fitted micro hoses RD2 and RD4 are always complete with anti-dust caps 32CP000X and/or 32CS000X. In case of purchase of loose fittings, 32CP000X and/or 32CS000X are included in fitting part number.

MCS

HYDRAULICS

Raccordi per tubo flessibile HP-700 Bar
Hose fittings - High Pressure-700 Bar



Collezione - Collection
2019

INDICE
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FEMMINA GIREVOLE GAS CONO 60° HP
BSP SWIVEL FEMALE 60° CONE HP



Cod. BSPSF..HP

Pag. 13.2

FEMMINA GIREVOLE A 90°
GAS CONO 60° HP
90° BSP SWIVEL FEMALE 60° CONE HP



Cod. 90BSPSF..HP

Pag. 13.2

FEMMINA GIREVOLE JIC
SVASATA 74° HP
JIC SWIVEL FEMALE 74° CONE HP



Cod. JSFSF..HP

Pag. 13.3

FEMMINA GIREVOLE A 90° JIC
SVASATA 74° HP
90° JIC SWIVEL FEMALE
74° CONE HP



Cod. 90JSF..HP

Pag. 13.3

FEMMINA GIREVOLE O'RING FILETTO
METRICO CONO 24° SERIE S - HP
O'RING METRIC SWIVEL FEMALE
24° CONE HEAVY TYPE - HP



Cod. ORMSFH..HP

Pag. 13.4

FEMMINA GIREVOLE 90°
O'RING FILETTO METRICO
CONO 24° SERIE S - HP
90° O'RING METRIC SWIVEL
FEMALE 24° CONE HEAVY TYPE - HP



Cod. 90ORMSFH..HP

Pag. 13.4

MASCHIO SVASATO 60° HP
FILETTO GAS CILINDRICO
MALE CONO 60° HP
THREAD BSP PARALLEL



Cod. BSPM..HP

Pag. 13.5

MASCHIO JIC CONO 74° HP
JIC MALE 74° CONE HP



Cod. JM..HP

Pag. 13.5

MASCHIO METRICO SVASATO 24°
SERIE PESANTE - HP
METRIC MALE 24° CONE
HEAVY TYPE - HP



Cod. MMH..HP

Pag. 13.6

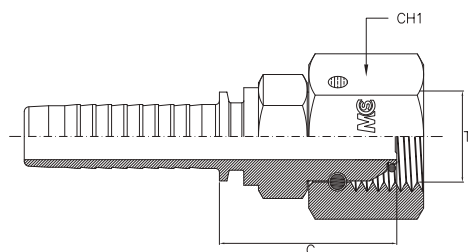
GHIERA PER TUBO TERMOPLASTICO
MTKM-MTKHM 700 Bar
FERRULE FOR THERMOPLASTIC HOSE
MTKM-MTKHM 700 Bar



Cod. FR..HP

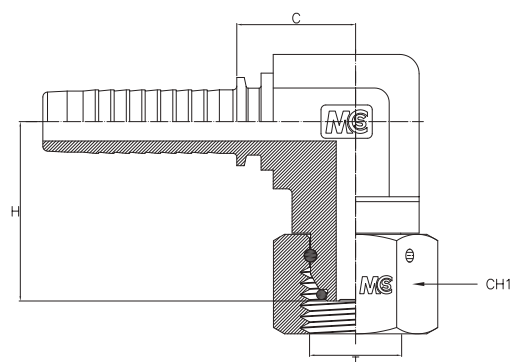
Pag. 13.6

FEMMINA GIREVOLE GAS CONO 60° - HP 700 Bar
BSP SWIVEL FEMALE 60° CONE - HP 700 Bar
- DKR - HP



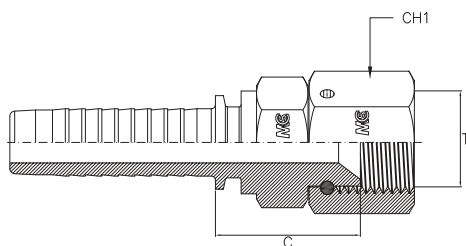
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	BSPSF0404HP	1/4"	1/4"	28,2	19
	BSPSF0606HP	3/8"	3/8"	29,8	22
	BSPSF0808HP	1/2"	1/2"	36,4	27

FEMMINA GIREVOLE A 90° GAS CONO 60° - HP 700 Bar
90° BSP SWIVEL FEMALE 60° CONE - HP 700 Bar
- DKR 90°- HP-



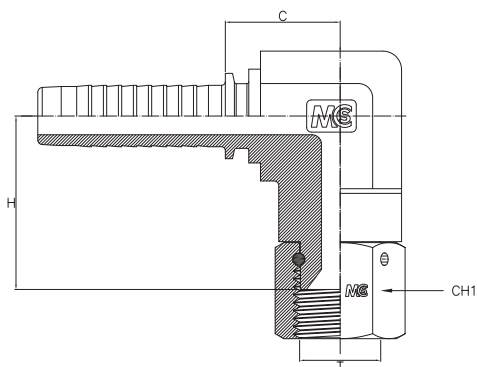
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
700	90BSPSF0404HP	1/4"	1/4"	17,5	25,0	19
	90BSPSF0606HP	3/8"	3/8"	20,4	30,2	22
	90BSPSF0808HP	1/2"	1/2"	24,5	37,0	27

FEMMINA GIREVOLE JIC SVASATA 74° - HP 700 Bar
JIC SWIVEL FEMALE 74° CONE - HP 700 Bar
- DKJ - HP



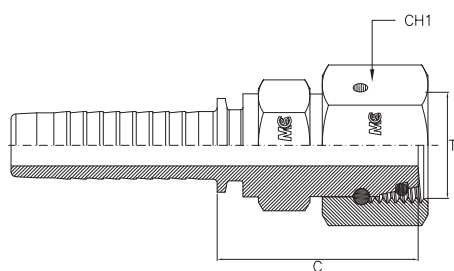
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	JSF0704HP	7/16"	1/4"	23,7	17
	JSF0906HP	9/16"	3/8"	26,2	19
	JSF1208HP	3/4"	1/2"	28,2	24

FEMMINA GIREVOLE A 90° JIC SVASATA 74° - HP 700 Bar
90° JIC SWIVEL FEMALE 74° CONE - HP 700 Bar
- DKJ 90°- HP-



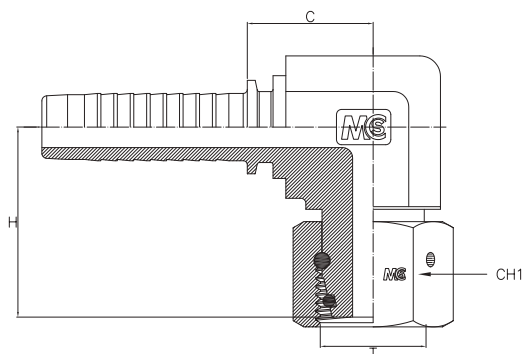
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
700	90JSF0704HP	7/16"	1/4"	17,5	22,5	17
	90JSF0906HP	9/16"	3/8"	20,4	30,2	19
	90JSF1208HP	3/4"	1/2"	24,5	37,0	24

FEMMINA GIR. O’RING FILETTO METRICO CONO 24° SERIE S - HP 700 Bar
O’RING METRIC SWIVEL FEMALE 24° CONE HEAVY TYPE - HP 700 Bar
- DKOS - HP



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	ORMSFH0804HP	16x1,5	1/4"	31,5	19
	ORMSFH1206HP	20x1,5	3/8"	34,0	24
	ORMSFH1608HP	24x1,5	1/2"	39,0	30

FEMMINA GIR. 90° O’RING FILETTO METRICO CONO 24° SERIE S - HP 700 Bar
90° O’RING METRIC SWIVEL FEMALE 24° CONE HEAVY TYPE - HP 700 Bar
- DKOS 90°- HP-



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	H Drop	CH1
700	90ORMSFH0804HP	16x1,5	1/4"	17,5	27,0	19
	90ORMSFH1206HP	20x1,5	3/8"	22,4	34,2	24
	90ORMSFH1608HP	24x1,5	1/2"	24,5	37,0	30

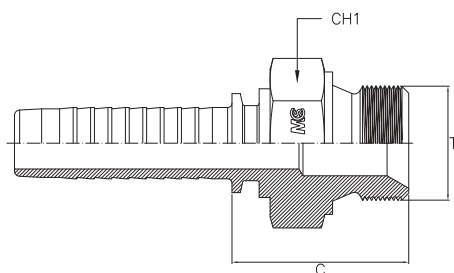
MASCHIO SVASATO A 60° - HP 700 Bar

Filetto Gas Cilindrico

MALE 60° CONE - HP 700 Bar

Thread BSP Parallel

- AGR - HP

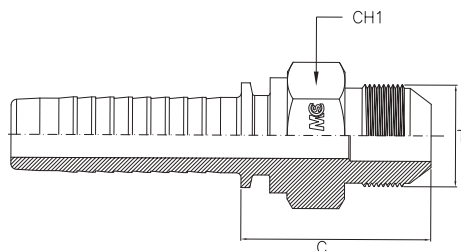


Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	BSPM0404HP	1/4"	1/4"	29,0	19
	BSPM0606HP	3/8"	3/8"	31,0	22
	BSPM0808HP	1/2"	1/2"	34,5	27

MASCHIO JIC CONO 74° - HP 700 Bar

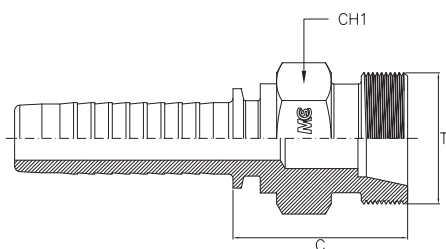
JIC MALE 74° CONE - HP 700 Bar

- AGJ - HP



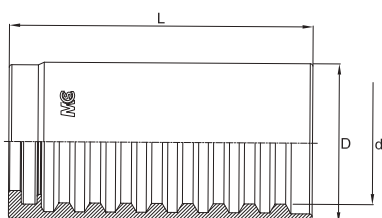
Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	JM0704HP	7/16"	1/4"	29,5	14
	JM0906HP	9/16"	3/8"	30,5	17
	JM1208HP	3/4"	1/2"	32,0	22

MASCHIO METRICO SVASATO 24° SERIE PESANTE - HP 700 Bar
METRIC MALE 24° CONE HEAVY TYPE - HP 700 Bar
- CES - HP



Bar W.P.	Codice Part Number	Filetto Thread	Ø Int. Tubo Inch. Hose I.D.	C Cut - Off	CH1
700	MMH0804HP	16x1,5	1/4"	30,0	17
	MMH1206HP	20x1,5	3/8"	30,0	22
	MMH1608HP	24x1,5	1/2"	33,0	24

GHIERA PER TUBO TERMOPLASTICO MTKM-MTKHM 700 Bar
FERRULE FOR THERMOPLASTIC HOSE MTKM-MTKHM 700 Bar



Codice Part Number	Ø Int. Tubo Inch. Hose I.D.	D	d	L
FR04HP	1/4"	21,0	15,3	40,0
FR06HP	3/8"	28,0	21,2	43,0
FR08HP	1/2"	34,7	27,0	44,5

MCS
HYDRAULICS

Twin Ferrule Tube Fittings
Twi-lok



Collezione - Collection
2019

INFORMAZIONI SUI PRODOTTI E
ISTRUZIONI DI MONTAGGIO

General Information &
Assembly instructions

Pag. 14.6 - 14.19

INTERMEDIO DIRITTO
Straight Union



Cod. SU...
Cod. SU...M

Pag. 14.20

INTERMEDIO DI RIDUZIONE
Reducing Union



Cod. SRU...
Cod. SRU...M

Pag. 14.21

INTERMEDIO METRICO-POLLICI
Union Metric to Fractional



Cod. SUA...

Pag. 14.22

PASSAPARETE INTERMEDIO
Union Bulkhead



Cod. SUBK...
Cod. SUBK...M

Pag. 14.23

CONNETTORE MASCHIO NPT
NPT Male Connector



Cod. SUNPT...
Cod. SUNPT...M

Pag. 14.24 - 14.25

CONNETTORE MASCHIO Gas Conico
BSPT Male Connector



Cod. SUBSPT...
Cod. SUBSPT...M

Pag. 14.26 - 14.27

CONNETTORE MASCHIO BSP
BSP Male Connector



Cod. SUBSP...
Cod. SUBSP...M

Pag. 14.28 - 14.29

CONNETTORE PASSAPARETE
MASCHIO NPT
NPT Male Bulkhead Connector



Cod. SUBKNPT...

Pag. 14.30

CONNETTORE UNF CON TENUTA
O'RING
UNF Male Connector O'ring seal



Cod. SUUNF...
Cod. SUUNF...M

Pag. 14.31

CONNETTORE UNF CON TENUTA GTZ
UNF Male Connector Gtz seal



Cod. SUGTZ...

Pag. 14.32

CONNETTORE BSP CON TENUTA GTZ
BSP Male Connector Gtz seal



Cod. SUBSPGTZ...

Pag. 14.33



CONNETTORE MASCHIO JIC 37°
37° Jic Male Connector

Cod. SUJ...

Pag. 14.34



CONNETTORE PASSAPARETE MASCHIO JIC 37°
37° Jic Male Bulkhead Connector

Cod. SUBKJ...

Pag. 14.35



CONNETTORE A SALDARE DI TESTA
Weld Connector

Cod. SUMW...
Cod. SUMW...M

Pag. 14.36 - 14.37



CONNETTORE FEMMINA NPT
NPT Female Connector

Cod. SUNPTF...
Cod. SUNPTF...M

Pag. 14.38 - 14.39



CONNETTORE FEMMINA BSP
BSP Female Connector

Cod. SUBSPF...
Cod. SUBSPF...M

Pag. 14.40



CONNETTORE FEMMINA GAS CONICO
BSPT Female Connector

Cod. SUBSPTF...
Cod. SUBSPTF...M

Pag. 14.41



ADATTATORE RIDUTTORE
Reducer Adapter

Cod. SUCN...
Cod. SUCN...M

Pag. 14.42 - 14.43



ADATTATORE PASSAPARETE
Bulkhead Adaptor

Cod. SUBKCN...

Pag. 14.44



INSERTO DI COLLEGAMENTO
Port Connector

Cod. PC...
Cod. PC...M

Pag. 14.45



INSERTO RIDUTTORE DI COLLEG.
Reducing Port Connector

Cod. RPC...
Cod. RPC...M

Pag. 14.46



TAPPO PER TUBO
Cap End for Tube

Cod. CAP...
Cod. CAP...M

Pag. 14.47



TAPPO PER RACCORDO
Plug

Cod. PLUG...
Cod. PLUG...M

Pag. 14.48



GOMITO INTERMEDIO
Union Elbow

Cod. LU...
Cod. LU...M

Pag. 14.49



CONNETTORE A GOMITO MASCHIO NPT
NPT Male Elbow

Cod. LUNPT...
Cod. LUNPT...M

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CONNETTORE A GOMITO MASCHIO GAS CONICO
BSPT Male Elbow

Cod. LUBSPT...
Cod. LUBSPT...M

Pag. 14.52 - 14.53



ADATTATORE A GOMITO
Adaptor Elbow

Cod. LUCN...
Cod. LUCN...M

Pag. 14.54



CONNETTORE A GOMITO ORIENTABILE
Adjustable Elbow

Cod. LUADJ...
Cod. LUADJ...M

Pag. 14.55



CONNETTORE A GOMITO CON TASCA A SILDARE
Socket Weld Elbow

Cod. LUSW...

Pag. 14.56



CONNETTORE A GOMITO A SILDARE DI TESTA
Butt weld Elbow

Cod. LUMPW...

Pag. 14.57



CONNETTORE A GOMITO FEMMINA NPT
NPT Female Elbow

Cod. LUNPTF...
Cod. LUNPTF...M

Pag. 14.58 - 14.59



TEE INTERMEDIO
Union Tee

Cod. TCU...
Cod. TCU...M

Pag. 14.60



TEE RIDUTTORE CENTRALE
Reducing Union Central Tee

Cod. TCRU...
Cod. TCRU...M

Pag. 14.61



TEE RIDUTTORE LATERALE
Reducing Union Lateral Tee

Cod. TLRU...

Pag. 14.62



TEE MASCHIO NPT CENTRALE
Central NPT Male Branch Tee

Cod. TCUNPT...
Cod. TCUNPT...M

Pag. 14.63



TEE MASCHIO NPT LATERALE
Lateral NPT Male Branch Tee

Cod. TLUNPT...
Cod. TLUNPT...M

Pag. 14.64



TEE ORIENTABILE CENTRALE
Adjustable Central Tee

Cod. TCUADJ...
Cod. TCUADJ...M

Pag. 14.65



TEE ORIENTABILE LATERALE
Adjustable Lateral Tee

Cod. TLUADJ...
Cod. TLUADJ...M

Pag. 14.66



TEE FEMMINA NPT CENTRALE
Central NPT Female Branch Tee

Cod. TCUNPTF...

Pag. 14.67



TEE FEMMINA NPT LATERALE
Lateral NPT Female Branch Tee

Cod. TLUNPTF...

Pag. 14.68



INTERMEDIO A CROCE
Union Cross

Cod. CU...
Cod. CU...M

Pag. 14.69



ADATTATORE MASCHIO NPT
NPT Male Adaptor

Cod. MANPT...
Cod. MANPT...M

Pag. 14.70 - 14.71



ADATTATORE MASCHIO GAS CONICO
BSPT Male Adaptor

Cod. MABSPT...
Cod. MABSPT...M

Pag. 14.72



ADATTATORE MASCHIO BSP
BSP Male Adaptor

Cod. MABSP...
Cod. MABSP...M

Pag. 14.73



ADATTATORE MASCHIO SAE CON O'RING
SAE Male Adaptor with o'ring seal

Cod. MASAE...

Pag. 14.74



ADATTATORE MASCHIO JIC 37"
37" Jic Male Adaptor

Cod. MAJIC...

Pag. 14.75



ADATTATORE CON TASCA A SALDARE
Socket Weld Adaptor

Cod. WA...

Pag. 14.76



ADATTATORE FEMMINA NPT
NPT Female Adaptor

Cod. FFANPT...
Cod. FFANPT...M

Pag. 14.77 - 14.78



ADATTATORE FEMMINA GAS CONICO
BSPT Female Adaptor

Cod. FFABSPT...
Cod. FFABSPT...M

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ADATTATORE FEMMINA GAS
BSP Female Adaptor

Cod. FFABSP...
Cod. FFABSP...M

Pag. 14.81



ADATTATORE FEMMINA JIC
Jic Female Adaptor

Cod. SFJIC...

Pag. 14.82



FEMMINA TUBOLARE CON SCANAL.
Standpipe with groove

Cod. IS...WG
Cod. SLH...WG

Pag. 14.83



DADO
Nut

Cod. NUT...
Cod. NUT...M

Pag. 14.84



SET OGIVA ANTERIORE E POSTERIORE
Set Front & Back Ferrule

Cod. SET..
Cod. SET...M

Pag. 14.85



CALIBRI
Gauges

Cod. GAUGE...

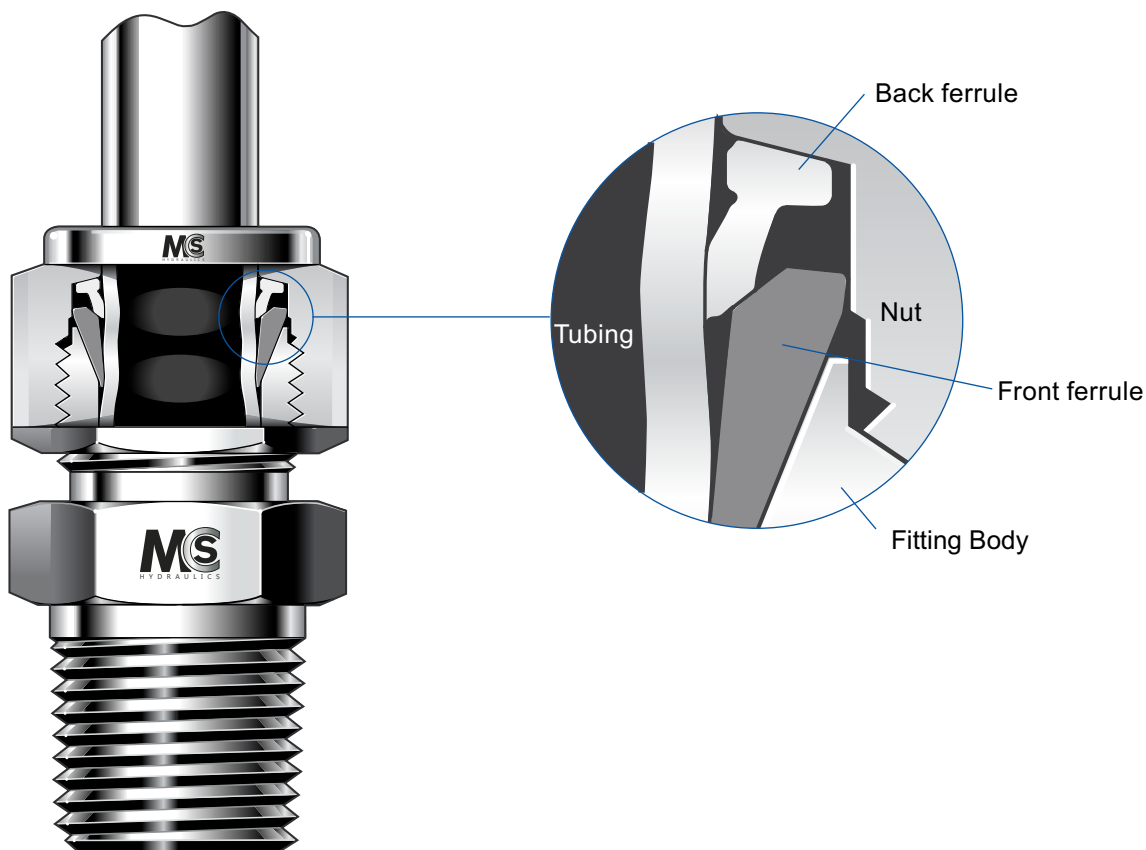
Pag. 14.86



- ISTRUZIONI DI MONTAGGIO -

Caratteristiche

- Facile installazione
- Nessuna coppia trasmessa al tubo durante l'installazione
- Facile controllo con i calibri "MCS gap inspection"



Durante il montaggio, l'ogiva anteriore funge da guida all'interno del raccordo, creando la prima tenuta, mentre l'ogiva posteriore, stringendo, crea un punto di pressione facendo presa sul tubo deformandolo.

La geometria dell'ogiva posteriore, durante il serraggio, trasforma la forza assiale in forza radiale, creando un'azione permanente sul tubo pur operando con forze di serraggio non intense.

Twi-lok funzioni meccaniche:

Le due ogive hanno ciascuna una precisa funzione: quella di creare la tenuta e quella di serrare il tubo. Ciascuna ogiva è ottimizzata per assolvere alla sua funzione.

L'ogiva frontale crea la tenuta:

- Contro il corpo del raccordo
- Contro il diametro esterno del tubo

L'ogiva posteriore (durante il serraggio del dado):

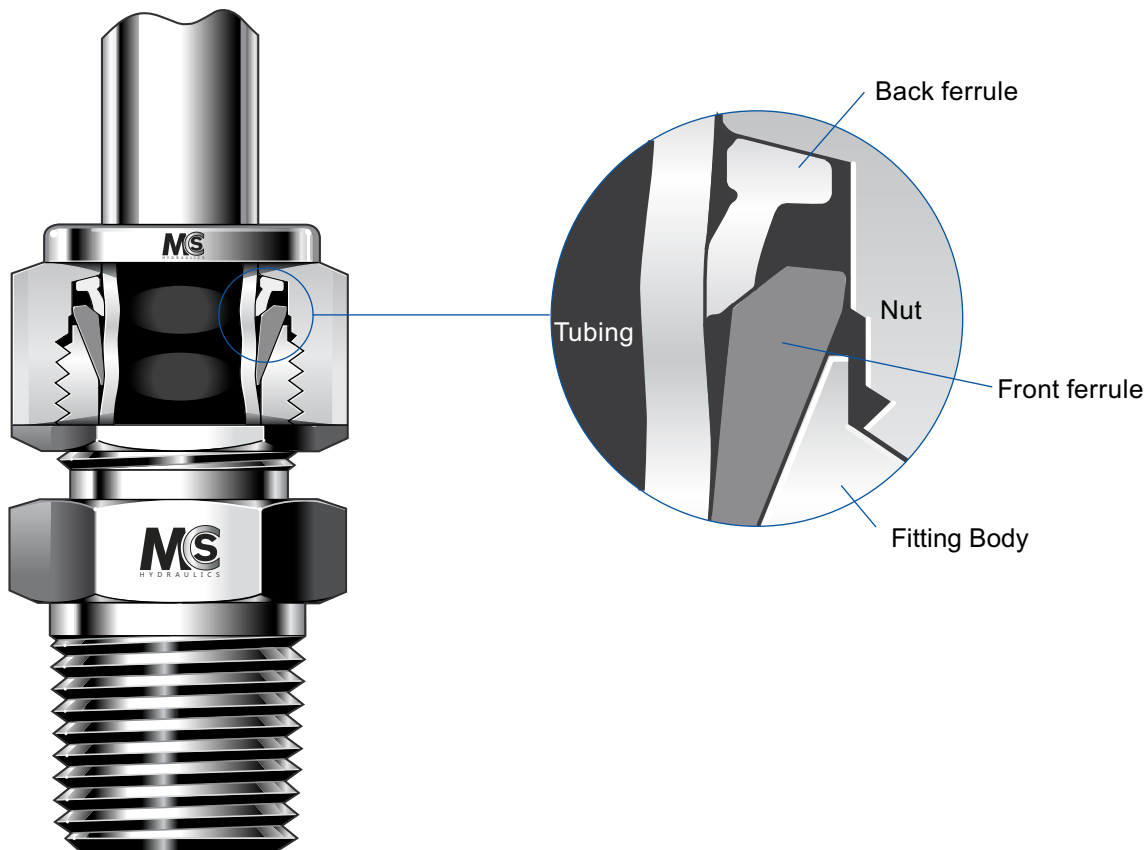
- Fa avanzare assialmente l'ogiva anteriore, applica una forza radiale sufficiente da serrare il tubo (Punto di ancoraggio).



- ASSEMBLY INSTRUCTIONS -

Features

- Easy to install
- No torque is transmitted to tubing during installation
- Easy control with "MCS gap inspection" gauges



During the assembly, the front ferrule guides the fitting body creating the first and main seal; at the same time the back ferrule creates a second seal on the tube while deforming it. Even operating with a low assembly torque, the back ferrule geometry makes it possible to obtain a hermetic seal.

Twi-lok mechanical function:

Each of two ferrules has its own function:

The front ferrule basically creates the seal:

- On fitting body
- On the Tube O.D.

The back ferrule:

- Guides the front ferrule towards the tube and tightens it.



Istruzioni di installazione

I raccordi fino ad 1" e fino a 25 mm possono essere installati in maniera semplice con comuni utensili a mano, mentre i raccordi oltre 1" e 25 mm dovranno essere installati mediante l'utilizzo di appositi utensili per pressatura idraulica.

Precauzioni

- Non avvitare o svitare mai un raccordo montato su di un circuito in pressione
- Non spurgare mai il circuito svitando il raccordo od il dado
- Utilizzare sempre sigillanti e lubrificanti (idonei alla temperatura ambiente e del circuito) per i raccordi con filettature coniche
- Non utilizzare mai componenti di costruttori differenti
- Utilizzare solo tubi senza saldatura e con durezza inferiore a quella dei raccordi (80 RB massimo per tubo in acciaio inossidabile)
- La corretta selezione, pulizia ed installazione del tubo rivestono una vitale importanza per una tenuta perfetta e duratura del circuito
- Utilizzare il calibro di controllo "M.C.S. gap inspection" durante la fase iniziale di installazione assicurandosi di verificare il giusto serraggio
- Non ruotare il raccordo ma bensì tenerlo saldo e serrare solo il dado
- Cercare di evitare lo smontaggio di raccordi non utilizzati

Considerazioni

- Il materiale del tubo da connettere deve avere una resistenza minore rispetto al raccordo da montare. Ad esempio sui tubi di acciaio inox non montare raccordi in ottone
- Nel caso in cui i tubi e i raccordi siano dello stesso materiale, i tubi dovranno essere ricotti
- Utilizzare sempre una bussola di supporto all'interno di tubi in materiale plastico
- Controllare sempre, in base alle tabelle, lo spessore del Tubo, verificando che sia compatibile con i valori minimi e massimi suggeriti
- La finitura superficiale del tubo e dei raccordi è di estrema importanza in quanto qualsiasi tipo di difetto superficiale provocherà dei difetti di installazione e quindi delle perdite soprattutto nelle condotte gas
- Tubi non concentrici saranno da intralcio nel montaggio dei raccordi. Cercare di utilizzare tubi perfettamente cilindrici

Raccordi fino a 1" o 25 mm

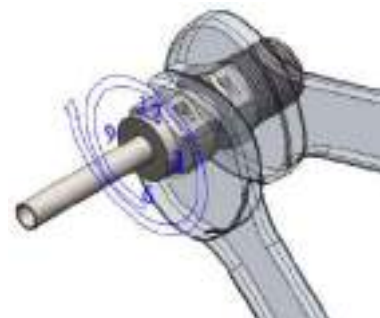


Inserire completamente il tubo fino alla battuta, avvitare il dado a mano.

Applicazioni ad alta pressione e di sistemi di sicurezza: Stringere ulteriormente il dado finché il tubo non possa più essere ruotato a mano o si muova assialmente il raccordo.



Marcare il dado alla posizione 6



Mantenere fermo il raccordo, stringere il dado di un giro e 1/4 fino ad arrivare in posizione ad ore 9.

Per raccordi di dimensioni 1/16", 1/8" e 3/16" e 2, 3 e 4 mm, stringere il dado di 3/4 di giro fino ad arrivare in posizione ad ore 3.



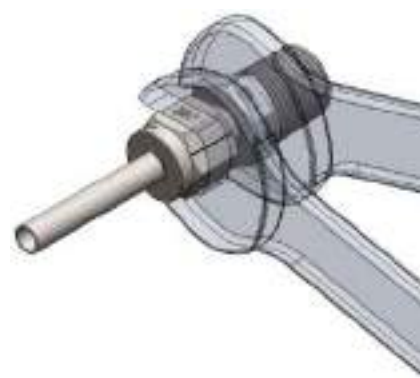
Raccordi oltre 1" o 25 mm

1. Pressare le ogive sul tubo utilizzando una unità di pressatura idraulica
2. Applicare un leggero strato di lubrificante sulle filettature del corpo raccordo e sulla superficie dell'ogiva posteriore
3. Inserire il tubo con le ogive pre-assemblate nel raccordo fino ad arrivare in battuta ed avvitare il dado con le dita
4. Marcare il dado nella posizione 6
5. Mantenendo fermo il raccordo, avvitare il dado di 1/2 giro fino ad arrivare ad ore 12. Utilizzare la chiave dinamometrica ed il calibro "M.C.S. gap inspection" per verificare il corretto montaggio

Rimontaggio (tutte le dimensioni)

I raccordi *Twi-lok* si possono smontare e rimontare ogni volta che si vuole

*N.B. Depressurizzare l'impianto prima di smontare i raccordi *Twi-lok**



Prima di smontare il raccordo, marcare sul tubo la posizione del dado e disegnare una linea lungo il dado e le facce esagonali del raccordo, al fine di garantire (in fase di rimontaggio) l'esatto riposizionamento.

Inserire il tubo con le ogive fino in battuta nel raccordo. Per dimensioni superiori a 1" e 25 mm, se necessario, applicare di nuovo un film di lubrificante.

Tenere fermo con una chiave il raccordo e contemporaneamente avvitare il dado. Una volta allineate le linee precedentemente marcate, si avvertirà un significativo aumento della forza richiesta. Stringere leggermente il dado.

N.B. Non utilizzare il calibro "M.C.S. gap inspection" per la verifica di serraggio.



Connettori e Adattatori

Connettori

1. Rimuovere il dado e le ogive dal raccordo a Tee *Twi-lok*;



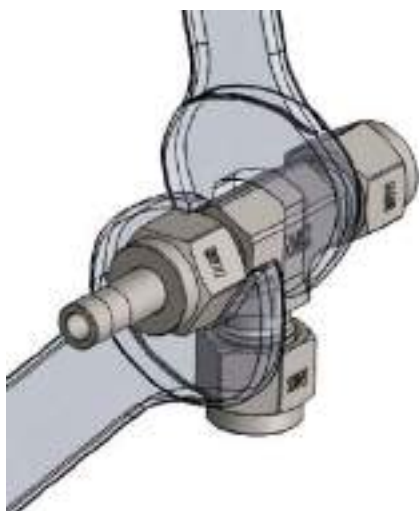
2. Inserire il dado sull'inserto;



3. Inserire l'inserto nel raccordo a Tee e avvitare il dado a mano;

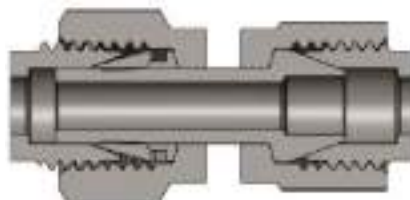


4. Tenendo fermo il raccordo serrare il dado con una chiave per 1/4 di giro; Per raccordi di dimensioni 1/16", 1/8" e 3/16" e 2, 3 e 4 mm, stringere il dado per un 1/8 di giro;

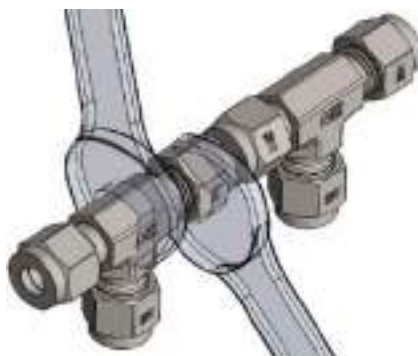


Adattatore per fine connessioni

5. Posizionare l'inserto precedente fino a battuta nel secondo connettore, stringere il dado a mano;



6. Marcare il dado in posizione 6. Tenendo bloccato il raccordo avvitare con una chiave il dado di un giro ed 1/4 fino a raggiungere la posizione ad ore 9;



Per raccordi di dimensioni 1/16", 1/8" e 3/16" e 2, 3 e 4 mm, stringere il dado per un 3/4 di giro, fino ad arrivare in posizione ad ore 6.

Rimontaggio

Si può smontare e rimontare la connessione *Twi-lok* molte volte. La tenuta viene assicurata dal serraggio con chiave del dado.



Curve e Tee orientabili



1. Avvitare il raccordo orientabile (gomito o tee) nel raccordo femmina fino ad arrivare in battuta con la guarnizione di tenuta;
2. Ruotare tutto il blocco raccordo (per non più di un giro completo) nella posizione desiderata;
3. Mantenere il blocco raccordo fermo e serrare il dado di bloccaggio con chiave fino al punto in cui la guarnizione di tenuta entra in contatto con la faccia del raccordo.

Adattatori per tubo



Fino a 1" o 25 mm

1. Installare l'adattatore maschio nella connessione femmina esistente;
2. Inserire il raccordo (connettore). Assicurarsi che arrivi fino in battuta e avvitare il dado a mano;
3. Marcare il dado in posizione 6
4. Tenendo fermo il raccordo (gomito o tee), stringere con una chiave il dado di 1 giro e 1/4 fino ad arrivare in posizione a ore 9. Per raccordi di dimensioni 1/16", 1/8" e 3/16" e 2, 3 e 4 mm, stringere il dado solo di 3/4 di giro fino ad arrivare alla posizione a ore 3.

Oltre 1" o 25 mm

Seguire le istruzioni riportate a pagina 14.9, da 2 a 5.

Adattatori a saldare

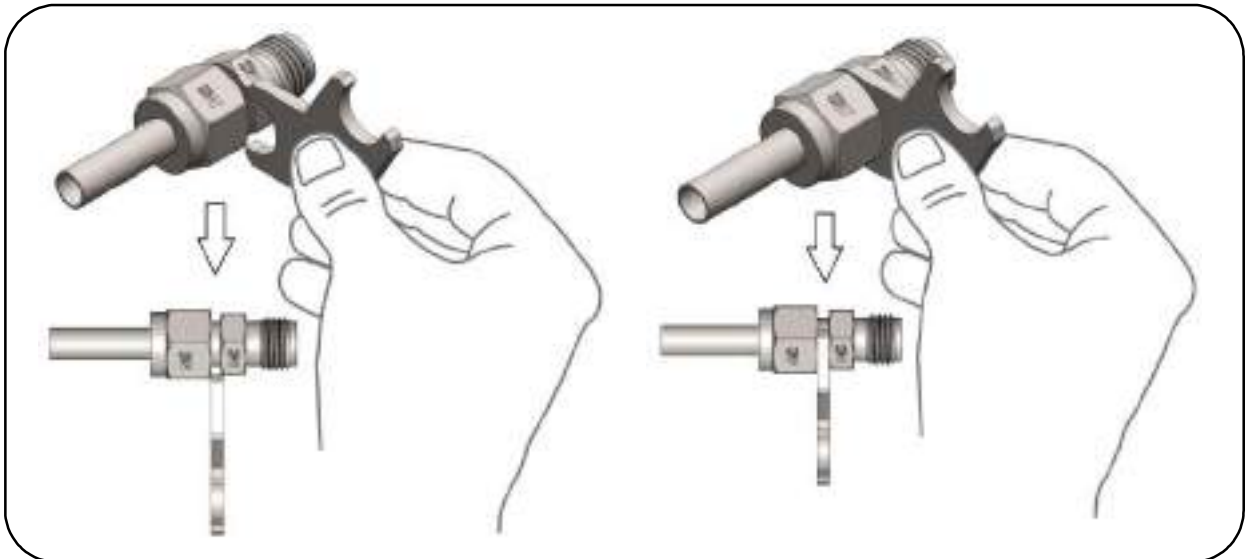
1. Rimuovere le ogive e il dado;
2. Inserire un "plug" oppure un "cap" di protezione dalla parte filettata per prevenire danneggiamenti alla filettatura e ad eventuali guarnizioni durante la saldatura;
3. Saldare il raccordo in 4 posizioni diverse (circa a 90° l'una dall'altra) in modo da assicurare la tenuta e la stabilità;
4. Completare la saldatura;
5. Rimuovere il "plug" oppure il "cap" di protezione;
6. Reinscrivere le ogive e il dado precedentemente smontate.



Verifica

Al momento dell'installazione, si può verificare il giusto serraggio mediante il calibro "M.C.S. gap inspection".

Posizionare il calibro di controllo "M.C.S. gap inspection" vicino al divario tra il dado e il raccordo



Se il calibro non entrerà nel divario tra dado e raccordo, allora si avrà un giusto serraggio

Se il calibro entrerà nel divario tra dado e raccordo, allora servirà serrare meglio.

N.B. Depressurizzare sempre tutto il sistema prima di procedere alle modifiche su esposte



Limiti Di Pressione E Temperatura

I raccordi *Twi-lok* sono progettati per resistere a pressioni superiori a quelle del tubo, che pertanto ne determina le massime condizioni d'esercizio. Questi limiti variano in funzione del materiale, dello spessore e della temperatura (vedi tabella sottostante).

In caso di alta temperature al di fuori del range riportato sotto, è necessario ridurre i limiti di pressione indicati.

Massima pressione di funzionamento per tubi con diametro in pollici (valore in PSI)											
Ø esterno tubo	Spessore del tubo (in pollici)										
	0.010"	0.012"	0.016"	0.020"	0.028"	0.035"	0.049"	0.065"	0.083"	0.095"	0.109"
1/16"	6.852	8.395	11.519	14.395							
1/8"				6.843	9.948	12.622					
3/16"				4.345	6.342	8.145	11.760				
1/4"					4.575	5.910	8.700	11.773			
3/8"						3.770	5.465	7.520			
1/2"						2.770	3.980	5.415	7.155		
5/8"							3.130	4.240	5.550	6.480	
3/4"							2.570	3.490	4.535	5.270	6.150
7/8"							2.190	2.948	3.845	4.443	5.180
1"								2.568	3.318	3.843	4.462

Massima pressione di funzionamento per tubi con diametro in millimetri (valore in BAR)											
Ø esterno tubo	Spessore del tubo (in mm)										
	0.5	0.6	0.8	1.0	1.2	1.5	1.6	1.8	2.0	2.2	2.5
3	492	610	825	1.030							
6			382	495	603	775	909				
8			281	357	441	560	603				
10			220	278	342	438	471				
12			180	235	280	360	384	438			
16				170	203	259	278	315	360	398	458
18				148	178	231	245	278	313	350	400
22				121	145	186	201	223	250	278	320
25				104	125	160	175	194	218	243	278

I valori in tabella si riferiscono a tubi con le seguenti caratteristiche e nelle condizioni sotto riportate:

Tubo per strumentazione in AISI 304 e AISI 316, senza saldatura, ricotto, con caratteristiche conformi alla norma ASTM

A-269 A-213 o equivalente.

Durezza superficiale inferiore a 80 HRB. Resistenza a trazione 75.000 psi a temperatura ambiente.

Temperatura di superficie tra -29°C e +38°C (-20°F e +100°F), vedi ANSI B31.3



Installation Instructions

Twi-lok fittings up to 1”/25 mm, do not require the use of a hydraulic swaging unit, that is conversely highly recommended when installing fittings over 1”/25 mm.

Warning

- Do not flush the system out by loosening fitting nut or fitting plug.
- Never screw or unscrew fittings when system is pressurized.
- Make sure the tube is firmly held in the fitting before Tightening the nut.
- Use the "M.C.S. gap inspection" gauge during the initial phase of installation making sure to check the right clamping
- For fittings with tapered threads, always use the sealant and/or the lubricant suitable for the application.
- Never mix fittings from different manufacturers.
- Do not turn the fitting, but only tighten the nut
- Avoid disassembling unused fittings;
- Always leave a straight section of pipe before entering the fitting
- Pipe material should have a resistance lower than the fitting you are using.
- Use only seamless pipes and tubes and with hardness lower than that of the fittings (80 RB maximum for stainless steel tube)
- Should the pipe and the fitting be of the same material, the pipe needs to be annealed
- Always use a support sleeve when installing plastic tubes;
- Always check the tube wall thickness against the minimum and maximum values suggested
- Tube surface finish is extremely important: any type of surface defects will result in installation defects, especially for gas pipelines
- The correct selection, cleaning and installation of the pipe is vital for a perfect seal and for a long-lasting circuit;
- The use of not concentric pipes will result in an incorrect and possibly faulty installation: try to use perfectly cylindrical tubes.

A Few considerations on pipes

Twi-lok Fittings Up to 1”/25 mm

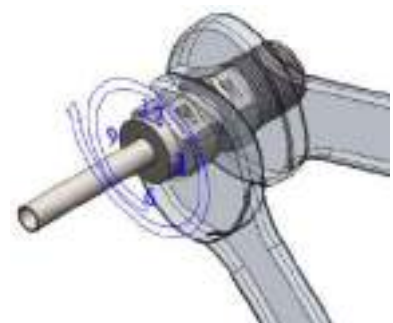


Fully insert the tube into the fitting and against the shoulder; screw the nut until finger tight.

High-pressure applications and high safety-factor systems: Further tighten the nut until the tube will not turn by hand or move axially in the fitting..



Mark the nut at the 6 o'clock position



Holding the fitting firmly, tighten the nut 1 and 1/4 turns to the 9 o'clock position.

For 1/16, 1/8, and 3/16 in.; 2, 3, and 4 mm tube fittings, tighten the nut only 3/4 turn to the 3 o'clock position.



Tube Fittings Over 1”/25 mm

1. Press the ferrules on to the tube using a hydraulic swage unit;
2. Apply a thin layer of lubricant on the fitting threads and on the rear surface of the back ferrule;
3. Fully insert the tube with the pressed ferrules into the fitting and against the shoulder; screw the nut until finger tight.
4. Mark the nut at the 6 o'clock position;
5. Holding the fitting firmly, tighten the nut 1/2” turn to the 12 o'clock position use “M.C.S. gap inspection” gauges and a torque wrench to verify that the fitting has been correctly tightened.

Reassembly—All Sizes

Twi-lok fittings allow repeated assemblies.

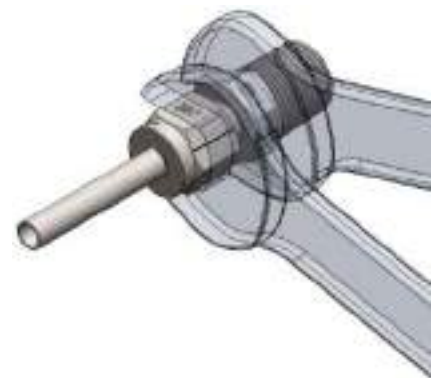
Always depressurize the system before disassembling.



Before disassembling the fitting, mark a line on the tube in correspondence of the nut and the fitting flats. This in order to be sure (when re-assembling) to return to the correct position.



Fully insert the tube with the pressed ferrules into the fitting and against the shoulder. **For dimensions over 1”/25 mm**, apply a thin film of lubricant again (if needed).



Holding the fitting firmly, tighten the nut to the previous position (indicated by the lines marked). You will feel a perceptible rise in force. Tighten it again slightly.

In case of repeated assemblies, do not use MCS gap inspection gauges.



Connector and Adapter

Port Connector

1. Remove the nut and rings from the connector. Throw out the ferrules;



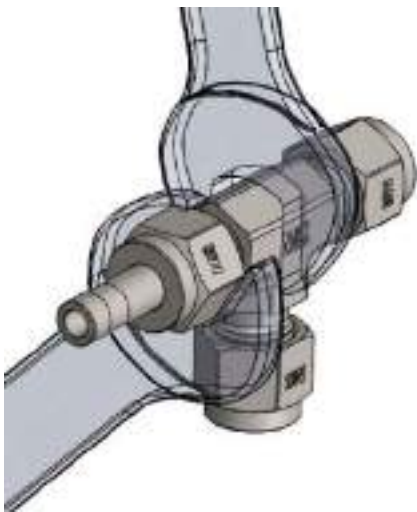
2. Insert the nut over into port connector;



3. Insert the port connector into the fitting and finger-tighten the nut.

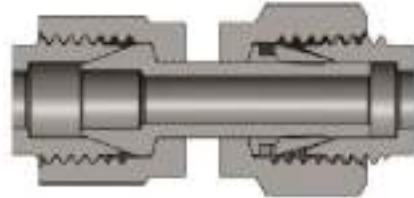


4. Holding the fitting firmly, tighten the nut 1/4 turn. For 1/16, 1/8, and 3/16 in.; 2, 3, and 4 mm tube fittings, tighten the nut only 1/8 turn.

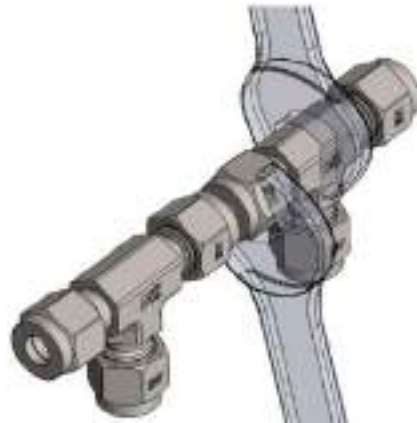


Tube Adapter End

5. Place the port connector into the second fitting until it is firmly held in position. Finger-tighten the nut;



6. Mark the nut at the 6 o'clock position. Holding the fitting firmly, tighten the nut 1 and 1/4 turns to the 9 o'clock position.



For 1/16, 1/8, and 3/16 in.; 2, 3, and 4 mm tube fittings, tighten the nut 3/4 turn to the 3 o'clock position. For fittings over 1"/25 mm, tighten the nut 1/2 turn to the 12 o'clock position.

Do not use the "M.C.S. gap inspection" gauge with reassembled fittings.

Repeated Assemblies

Twi-lok fittings allow repeated assemblies: see previous instructions.



Adjustable Elbows and Tee



1. Turn the adjustable elbow or Tee into the female fitting until the washer gets in contact with the fitting;
2. Place the fitting properly by rotating the adjustable for non more than one turn;
3. Holding the fitting firmly, tighten the nut until the washer gets in contact with the fitting.

Tube Adapters



Up to 1"/25 mm.

1. Tighten the male adapter into the female end connection;
2. Fully insert the adapter into the MCS fitting (connector) against the shoulder; finger-tighten the nut;
3. Mark the nut at the 6 o'clock position.
4. Holding the fitting firmly, tighten the nut 1 and 1/4 turns to the 9 o'clock position.
For 1/16, 1/8, and 3/16 in.; 2, 3, and 4 mm tube fittings, tighten the nut only three-quarters turn to the 3 o'clock position.

Over 1"/25 mm.

Follow instructions pag.14.9, from 2 to 5.

Weld Fittings

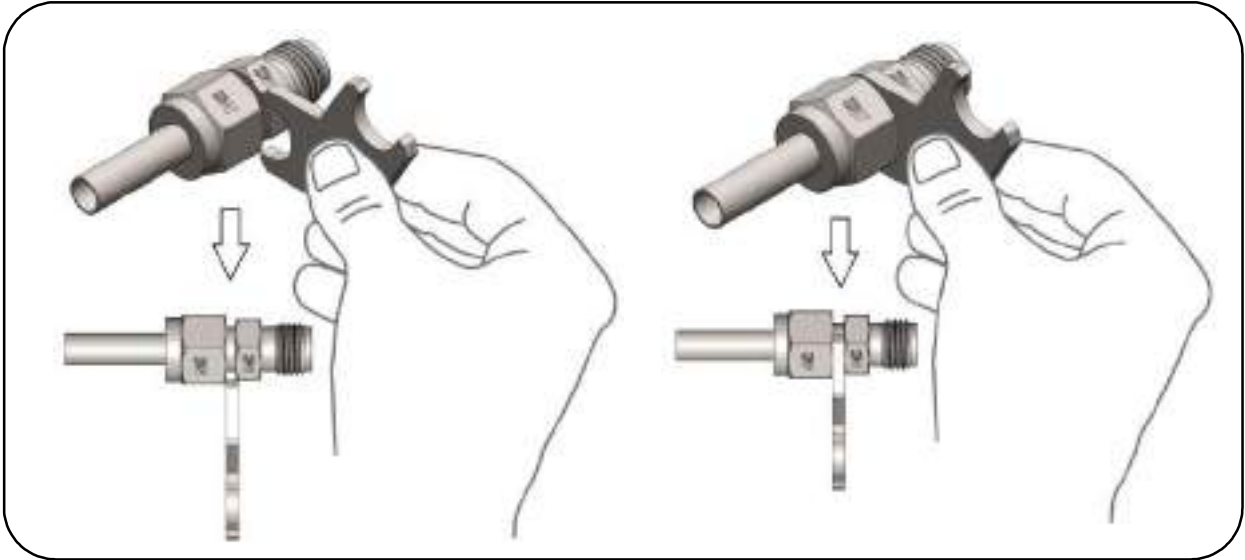
1. Remove the nut and ferrules;
2. Use a plug or a cap to protect the fitting during the welding;
3. Spot weld at four different positions in order to ensure the seal and the stability;
4. Complete the welding process;
5. Remove the plug or the cup;
6. Replace the nut and the ferrules.



Torque Check

It is possible to check the correct torque using the "M.C.S. gap inspection" gauge.

Place the "M.C.S. gap inspection" gauge by the gap between the nut and the fitting.



If the gauge won't enter the gap, then the nut has been correctly tightened;

If the gauge will enter the gap, Then the nut needs to be re-tightened.

Always depressurize the entire system before ANY ADJUSTMENT.



Pressure and Temperature Limits

The fittings designed to withstand pressures higher than of the tube, which determines the maximum operating conditions. These limits vary depending on the material, the thickness and the temperature (see table below).

In case of high temperature it is necessary to reduce the pressure limits indicated

STAINLESS STEEL FRACTIONAL TUBE

Tube O.D. (inch)	Tubing working pressure (PSI)										
	Tube wall thickness (inch)										
	0.010"	0.012"	0.016"	0.020"	0.028"	0.035"	0.049"	0.065"	0.083"	0.095"	0.109"
1/16"	6.852	8.395	11.519	14.395							
1/8"				6.843	9.948	12.622					
3/16"				4.345	6.342	8.145	11.760				
1/4"					4.575	5.910	8.700	11.773			
3/8"						3.770	5.465	7.520			
1/2"						2.770	3.980	5.415	7.155		
5/8"							3.130	4.240	5.550	6.480	
3/4"							2.570	3.490	4.535	5.270	6.150
7/8"							2.190	2.948	3.845	4.443	5.180
1"								2.568	3.318	3.843	4.462

STAINLESS STEEL METRIC TUBE

Tube O.D. (mm)	Tubing working pressure (BAR)										
	Tube wall thickness (mm)										
	0.5	0.6	0.8	1.0	1.2	1.5	1.6	1.8	2.0	2.2	2.5
3	492	610	825	1.030							
6			382	495	603	775	909				
8			281	357	441	560	603				
10			220	278	342	438	471				
12			180	235	280	360	384	438			
16				170	203	259	278	315	360	398	458
18				148	178	231	245	278	313	350	400
22				121	145	186	201	223	250	278	320
25				104	125	160	175	194	218	243	278

Allowable stress value between -29°C e +38°C (-20°F e +100°F) is 19,500 psi

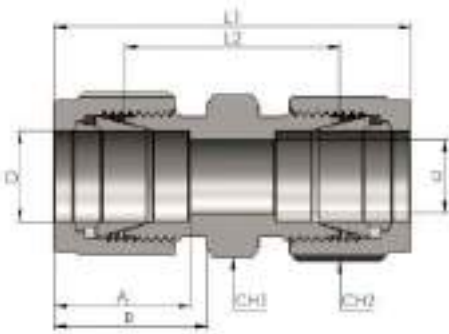
Safety factor is 4 (Ultimate tensile strength is 75,000 psi)

The above data are based on the minimum wall thickness and the maximum O. D. allowed by and under the standard of ASTM A269.

The dimensions are not considered to erosion or corrosion.

Intermedio

Straight Union



Connects Fractional Tubes

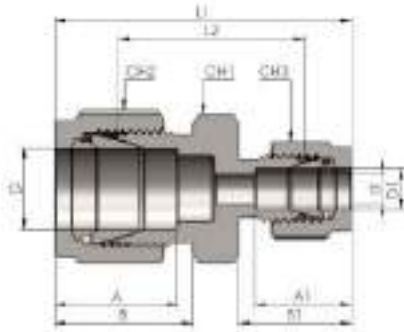
Codice Part Number	D		d	CH1		CH2		A	B	L1	L2
	in	mm		in	mm	in	mm				
SU01	1/16	1,58	1,27	5/16	7,93	7/16	11,11	8,64	10,92	25,14	17,50
SU02	1/8	3,17	2,28	7/16	11,11	7/16	11,11	12,70	15,24	35,56	22,35
SU03	3/16	4,76	3,04	7/16	11,11	1/2	12,70	13,71	16,00	37,33	24,13
SU04	1/4	6,35	4,82	9/16	14,28	9/16	14,28	15,24	17,78	40,89	26,16
SU05	5/16	7,93	6,35	9/16	14,28	5/8	15,87	16,25	18,54	42,92	28,19
SU06	3/8	9,52	7,11	5/8	15,87	11/16	17,46	16,76	19,30	44,95	30,22
SU08	1/2	12,70	10,41	13/16	20,63	7/8	22,22	22,86	21,84	51,30	30,98
SU10	5/8	15,87	12,70	15/16	23,81	1	25,40	24,38	21,84	52,07	31,75
SU12	3/4	19,05	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	53,59	33,27
SU14	7/8	22,22	18,28	1.3/16	30,16	1.1/4	31,75	25,90	21,84	55,37	35,05
SU16	1	25,40	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	64,77	40,38
SU20	1.1/4	31,75	27,68	1.3/4	44,45	1.7/8	47,62	41,14	38,86	92,20	48,00
SU24	1.1/2	38,10	34,03	2.1/8	53,97	2.1/4	57,15	50,03	45,21	107,95	53,60
SU32	2	50,80	45,97	2.3/4	69,85	3	76,20	67,56	62,73	149,35	74,70

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2	A	B	L1	L2
SU02M	2	1,70	12	11	12,9	15,3	35,6	22,4
SU03M	3	2,40	12	11	12,9	15,3	35,3	22,1
SU04M	4	2,40	12	12	13,7	16,1	37,3	24,1
SU06M	6	4,80	14	14	15,3	17,7	41,0	26,2
SU08M	8	6,40	17	16	16,2	18,6	43,2	28,2
SU10M	10	7,90	19	19	17,2	19,5	46,2	31,0
SU12M	12	9,50	22	22	22,8	22,0	51,2	31,0
SU14M	14	11,11	24	25	24,4	22,0	52,0	31,8
SU15M	15	11,90	24	25	24,4	22,0	52,0	31,8
SU16M	16	12,70	24	25	24,4	22,0	52,0	31,8
SU18M	18	15,10	27	30	24,4	22,0	53,5	33,3
SU20M	20	15,90	30	32	26,0	22,0	55,0	34,8
SU22M	22	18,30	30	32	26,0	22,0	55,0	34,8
SU25M	25	21,80	36	38	31,3	26,5	65,0	40,4

Intermedio di Riduzione

Reducing Union



Connects Fractional Tubes

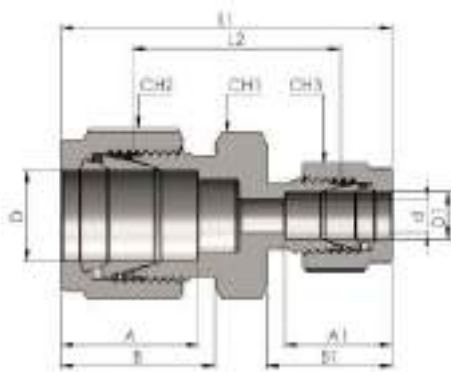
Codice Part Number	D		D1		d	CH1		CH2		CH3		A	A1	B	B1	L1	L2
	in	mm	in	mm		in	mm	in	mm	in	mm						
SRU0201	1/8	3,17	1/16	1,58	1,27	7/16	11,11	7/16	11,11	5/16	7,94	12,70	8,64	15,24	10,93	30,99	20,60
SRU0302	3/16	4,76	1/8	3,17	2,28	7/16	11,11	1/2	12,70	7/16	11,11	13,71	12,70	16,00	15,24	36,57	23,36
SRU0402	1/4	6,35	1/8	3,17	2,28	9/16	14,28	9/16	14,28	7/16	11,11	15,24	12,70	17,78	15,24	38,60	24,63
SRU0403	1/4	6,35	3/16	4,76	3,04	9/16	14,28	9/16	14,28	1/2	12,70	15,24	13,71	17,78	16,00	39,37	25,40
SRU0502	5/16	7,93	1/8	3,17	2,28	9/16	14,28	5/8	15,87	7/16	11,11	16,25	12,70	18,50	15,24	39,87	25,90
SRU0504	5/16	7,93	1/4	6,35	4,82	9/16	14,28	5/8	15,87	9/16	14,28	16,25	15,24	18,54	17,78	42,16	27,43
SRU0602	3/8	9,52	1/8	3,17	2,28	5/8	15,87	11/16	17,46	7/16	11,11	16,76	12,70	19,30	15,24	40,89	26,92
SRU0604	3/8	9,52	1/4	6,35	4,82	5/8	15,87	11/16	17,46	9/16	14,28	16,76	15,24	19,30	17,78	43,18	28,44
SRU0605	3/8	9,52	5/16	7,93	6,35	5/8	15,87	11/16	17,46	5/8	15,87	16,76	16,25	19,30	18,54	44,19	29,46
SRU0802	1/2	12,70	1/8	3,17	2,28	13/16	20,63	7/8	22,22	7/16	11,11	22,86	12,70	21,84	15,24	42,21	28,44
SRU0804	1/2	12,70	1/4	6,35	4,82	13/16	20,63	7/8	22,22	9/16	14,28	22,86	15,24	21,84	17,78	46,99	29,46
SRU0806	1/2	12,70	3/8	9,52	7,11	13/16	20,63	7/8	22,22	11/16	17,46	22,86	16,76	21,84	19,30	48,51	30,98
SRU1006	5/8	15,87	3/8	9,52	7,11	15/16	23,81	1	25,40	11/16	17,46	24,38	16,76	21,84	19,30	49,27	31,75
SRU1008	5/8	15,87	1/2	12,70	10,41	15/16	23,81	1	25,40	7/8	22,22	24,38	22,86	21,84	21,84	52,07	31,75
SRU1204	3/4	19,05	1/4	6,35	4,82	1.1/16	26,98	1.1/8	28,57	9/16	14,28	24,38	15,24	21,84	17,78	49,27	31,75
SRU1206	3/4	19,05	3/8	9,52	7,11	1.1/16	26,98	1.1/8	28,57	11/16	17,46	24,38	16,76	21,84	19,30	50,80	33,27
SRU1208	3/4	19,05	1/2	12,70	10,41	1.1/16	26,98	1.1/8	28,57	7/8	22,22	24,38	22,86	21,84	21,84	53,59	33,27
SRU1210	3/4	19,05	5/8	15,87	12,70	1.1/16	26,98	1.1/8	28,57	1	25,40	24,38	24,38	21,84	21,84	53,59	33,27
SRU1608	1	25,40	1/2	12,70	10,41	1.3/8	34,92	1.1/2	38,10	7/8	22,22	31,24	22,86	26,41	21,84	63,24	40,89
SRU1612	1	25,40	3/4	19,05	15,74	1.3/8	34,92	1.1/2	38,10	1.1/8	28,57	31,24	24,38	26,41	21,84	62,73	40,38

Connects Metric Tubes

Codice Part Number	D	D1	d	CH1	CH2	CH3	A	A1	B	B1	L1	L2
SRU0302M	3	2	1,70	12	11	11	12,9	12,9	15,3	15,3	35,3	22,1
SRU0602M	6	2	1,70	14	14	11	15,3	12,9	17,7	15,3	38,6	24,6
SRU0603M	6	3	2,40	14	14	11	15,3	12,9	17,7	15,3	38,6	24,6
SRU0604M	6	4	2,40	14	14	12	15,3	13,7	17,7	16,1	39,4	25,4
SRU0806M	8	6	4,80	17	16	14	16,2	15,3	18,6	17,7	42,3	27,4
SRU1006M	10	6	4,80	19	19	14	17,2	15,3	19,5	17,7	44,5	29,5
SRU1008M	10	8	6,40	19	19	16	17,2	16,2	19,5	18,6	45,1	30,0
SRU1206M	12	6	4,80	22	22	14	22,8	15,3	11,0	17,7	47,0	29,5
SRU1208M	12	8	6,40	22	22	16	22,8	16,2	22,0	18,6	47,8	30,2
SRU1210M	12	10	7,90	22	22	19	22,8	17,2	22,0	19,5	48,7	31,0
SRU1610M	16	10	7,90	24	25	19	24,4	17,2	22,0	19,5	49,5	31,8
SRU1612M	16	12	9,50	24	25	22	24,4	22,8	22,0	22,0	52,0	31,8
SRU1812M	18	12	9,50	27	30	22	24,4	22,8	22,0	22,0	53,5	33,3
SRU2518M	25	18	15,10	36	38	30	31,3	24,4	26,5	22,0	61,0	38,6
SRU2520M	25	20	15,90	36	38	32	31,3	26,0	26,5	22,0	62,3	39,9

Intermedio metrico-pollici

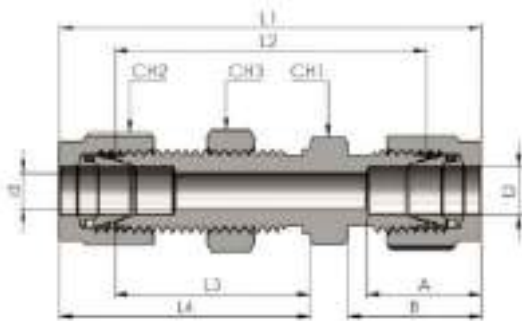
Union metric to fractional



Codice Part Number	D	D1		d	CH1	CH2	CH3		A	A1	B	B1	L1	L2
		in	mm				in	mm						
SUA0302	3	1/8	3,17	2,4	12	12	7/16	11,11	12,9	12,70	15,3	15,24	35,2	22.1
SUA0402	4	1/8	3,17	2,4	12	12	7/16	11,11	13,7	12,70	16,1	15,24	36,5	23.4
SUA0404	4	1/4	6,35	2,4	14	12	9/16	14,28	13,7	15,24	16,1	16,00	39,4	25.4
SUA0602	6	1/8	3,17	2,4	14	14	7/16	11,11	15,3	12,70	17,7	15,24	38,5	24.6
SUA0604	6	1/4	6,35	4,8	14	14	9/16	14,28	15,3	15,24	17,7	16,00	41,0	26.2
SUA0605	6	5/16	7,93	4,8	14	14	5/8	15,87	15,3	16,25	17,7	18,54	42,3	27.4
SUA0804	8	1/4	6,35	4,8	17	17	9/16	14,28	16,2	15,24	18,6	16,00	42,3	27.4
SUA1002	10	1/8	3,17	2,4	17	19	7/16	11,11	17,2	12,70	19,5	15,24	41,8	27.7
SUA1004	10	1/4	6,35	4,8	17	19	9/16	14,28	17,2	15,24	19,5	16,00	44,5	29.5
SUA1005	10	5/16	7,93	6,4	17	19	5/8	15,87	17,2	16,25	19,5	18,54	45,1	30.0
SUA1006	10	3/8	9,52	7,1	17	19	11/16	17,46	17,2	16,76	19,5	19,30	45,9	31.0
SUA1204	12	1/4	6,35	4,8	22	22	9/16	14,28	22,8	15,24	22,0	16,00	47,0	30.2
SUA1205	12	5/16	7,93	6,4	22	22	5/8	15,87	22,8	16,25	22,0	18,54	47,8	31.0
SUA1206	12	3/8	9,52	7,1	22	22	11/16	17,46	22,8	16,76	22,0	19,30	48,4	31.0
SUA1508	15	1/2	12,70	10,3	24	24	7/8	22,22	24,4	22,86	22,0	21,84	52,0	31.8
SUA1610	16	5/8	15,87	12,7	24	24	1	25,40	24,4	24,38	22,0	21,84	52,0	31.8
SUA1812	18	3/4	19,05	15,1	27	30	1.1/8	28,57	24,4	24,38	22,0	21,84	53,5	33.3
SUA2012	20	3/4	19,05	15,9	30	32	1.1/8	28,57	26,0	24,38	22,0	21,84	54,9	34.8
SUA2016	20	1	25,40	15,9	36	32	1.1/2	38,10	26,0	31,24	22,0	26,41	62,8	40.4
SUA2516	25	1	25,40	21,8	36	38	1.1/2	38,10	31,3	31,24	26,5	26,41	65,0	40.4

Passaparete Intermedio

Union Bulkhead



Connects Fractional Tubes

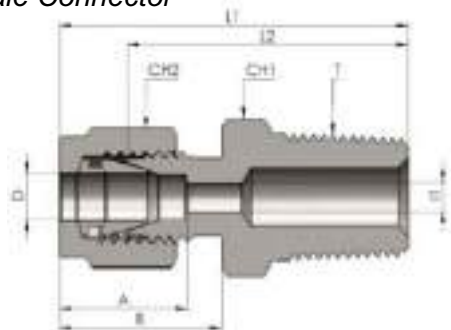
Codice Part Number	D		d	CH1, CH3		CH2		A	B	L1	L2	L3	L4	Diametro Foro pannello	Spessore Max. Pannello
	in	mm		in	mm	in	mm							Panel Hole Drill Size	Panel Max Thickness
SUBK02	1/8	3,17	2,28	9/16	14,28	7/16	11,11	12,70	15,24	51,30	38,10	24,63	31,24	8,33	12,70
SUBK03	3/16	4,76	3,04	9/16	14,28	1/2	12,70	13,71	16,00	53,59	40,38	25,40	32,00	9,92	12,70
SUBK04	1/4	6,35	4,82	5/8	15,87	9/16	14,28	15,24	17,78	57,65	42,92	26,16	33,52	11,50	10,16
SUBK05	5/16	7,93	6,35	11/16	17,46	5/8	15,87	16,25	18,54	60,70	45,97	28,44	35,81	13,09	11,17
SUBK06	3/8	9,52	7,11	3/4	19,05	11/16	17,46	16,76	19,30	62,23	47,49	29,46	36,83	14,68	11,17
SUBK08	1/2	12,70	10,41	15/16	23,81	7/8	22,22	22,86	21,84	71,12	50,80	31,75	41,91	19,44	12,70
SUBK10	5/8	15,87	12,70	1.1/16	26,98	1	25,40	24,38	21,84	72,64	52,32	32,51	42,67	22,62	12,70
SUBK12	3/4	19,05	15,74	1.3/16	30,16	1.1/8	28,57	24,38	21,84	78,99	58,67	37,33	47,49	25,79	16,76
SUBK14	7/8	22,22	18,28	1.3/8	34,92	1.1/4	31,75	25,90	21,84	84,58	64,26	42,92	53,08	28,97	19,05
SUBK16	1	25,40	22,35	1.5/8	41,27	1.1/2	38,10	31,24	26,41	95,75	71,37	45,21	57,40	33,73	19,05
SUBK20	1.1/4	31,75	27,68	1.7/8	47,62	1.7/8	47,62	41,14	38,86	123,19	78,99	47,75	69,85	41,67	19,05
SUBK24	1.1/2	38,10	34,03	2.1/4	57,16	2.1/4	57,15	50,03	45,21	139,19	84,83	49,27	76,45	49,61	19,05
SUBK32	2	50,80	45,97	2.3/4	69,85	3	76,20	67,56	62,73	180,34	105,66	56,38	93,72	67,07	19,05

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2	CH3	A	B	L1	L2	L3	L4	Diametro foro pannello	Spessore Max. Pannello
												Panel Hole Drill Size	Panel Max Thickness
SUBK03M	3	2,40	14	11	14	12,9	15,3	51,3	38,1	24,6	31,2	8,3	12,7
SUBK04M	4	2,40	14	12	14	13,7	16,1	53,6	40,4	25,4	32,0	9,9	12,7
SUBK06M	6	4,80	17	14	17	15,3	17,7	57,7	42,9	26,2	33,6	11,5	10,2
SUBK08M	8	6,40	19	16	17	16,2	18,6	61,0	46,0	28,6	36,1	13,1	11,2
SUBK10M	10	7,90	22	19	22	17,2	19,5	63,7	48,5	29,4	37,0	16,2	11,2
SUBK12M	12	9,50	24	22	24	22,8	22,0	71,0	50,8	31,8	41,9	19,5	12,7
SUBK15M	15	11,90	27	25	27	24,4	22,0	72,5	52,3	32,5	42,6	22,8	12,7
SUBK16M	16	12,70	27	25	27	24,4	22,0	72,5	52,3	32,5	42,6	22,8	12,7
SUBK18M	18	15,10	30	30	30	24,4	22,0	78,9	58,7	37,3	47,4	26,0	16,8
SUBK20M	20	15,90	36	32	36	26,0	22,0	84,5	64,3	42,9	53,0	29,0	17,0
SUBK22M	22	18,30	36	32	36	26,0	22,0	84,5	64,3	42,9	53,0	29,0	19,1
SUBK25M	25	21,80	41	38	41	31,3	26,5	95,9	71,4	45,2	57,5	33,7	19,1
SUBK32M	32	28,60	50	50	50	42,0	41,6	128,3	82,3	49,5	72,5	42,5	19,0
SUBK38M	38	33,70	60	60	60	49,4	47,9	144,6	89,4	51,5	79,1	50,5	19,0

Connettore Maschio NPT

NPT Male Connector



Connects Fractional Tubes

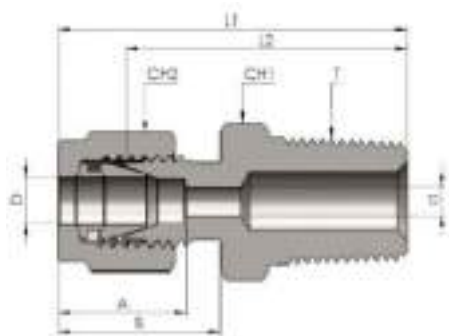
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUNPT0101	1/16	1,59	1/16	1,27	5/16	7,94	5/16	7,94	8,64	10,92	23,87	20,00
SUNPT0102	1/16	1,59	1/8	1,27	7/16	11,11	7/16	11,11	8,64	10,92	26,16	22,35
SUNPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	30,48	23,87
SUNPT0204	1/8	3,17	1/4	2,28	9/16	14,28	7/16	11,11	12,70	15,24	35,56	28,95
SUNPT0206	1/8	3,17	3/8	2,28	11/16	17,46	7/16	11,11	12,70	15,24	35,81	29,21
SUNPT0208	1/8	3,17	1/2	2,28	7/8	22,22	7/16	11,11	12,70	15,24	42,16	35,56
SUNPT0302	3/16	4,76	1/8	3,04	7/16	11,11	1/2	12,70	13,71	16,00	31,24	24,63
SUNPT0304	3/16	4,76	1/4	3,04	9/16	14,28	1/2	12,70	13,71	16,00	36,32	29,71
SUNPT0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,28	15,24	17,78	32,76	25,40
SUNPT0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,28	15,24	17,78	37,84	30,48
SUNPT0406	1/4	6,35	3/8	4,82	11/16	17,46	9/16	14,28	15,24	17,78	38,35	30,98
SUNPT0408	1/4	6,35	1/2	4,82	7/8	22,22	9/16	14,28	15,24	17,78	44,70	37,33
SUNPT0412	1/4	6,35	3/4	4,82	1.1/16	26,98	9/16	14,28	15,24	17,78	46,22	38,86
SUNPT0502	5/16	7,93	1/8	4,82	9/16	14,28	5/8	15,87	16,25	18,54	34,03	26,67
SUNPT0504	5/16	7,93	1/4	6,35	9/16	14,28	5/8	15,87	16,25	18,54	38,60	31,24
SUNPT0506	5/16	7,93	3/8	6,35	11/16	17,46	5/8	15,87	16,25	18,54	39,11	31,75
SUNPT0602	3/8	9,52	1/8	4,82	5/8	15,87	11/16	17,46	16,76	19,30	35,30	27,94
SUNPT0604	3/8	9,52	1/4	7,11	5/8	15,87	11/16	17,46	16,76	19,30	39,87	32,51
SUNPT0606	3/8	9,52	3/8	7,11	11/16	17,46	11/16	17,46	16,76	19,30	39,87	32,51
SUNPT0608	3/8	9,52	1/2	7,11	7/8	22,22	11/16	17,46	16,76	19,30	46,22	38,86
SUNPT0612	3/8	9,52	3/4	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	47,75	40,38
SUNPT0802	1/2	12,70	1/8	4,82	13/16	20,63	7/8	22,22	22,86	21,84	38,86	28,70
SUNPT0804	1/2	12,70	1/4	7,11	13/16	20,63	7/8	22,22	22,86	21,84	43,43	33,27
SUNPT0806	1/2	12,70	3/8	9,65	13/16	20,63	7/8	22,22	22,86	21,84	43,43	33,27
SUNPT0808	1/2	12,70	1/2	10,41	7/8	22,22	7/8	22,22	22,86	21,84	49,02	38,86
SUNPT0812	1/2	12,70	3/4	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	50,54	40,38
SUNPT0816	1/2	12,70	1	10,41	1.3/8	34,92	7/8	22,22	22,86	21,84	57,15	46,99
SUNPT1006	5/8	15,87	3/8	9,65	15/16	23,81	1	25,4	24,38	21,84	44,19	34,03
SUNPT1008	5/8	15,87	1/2	11,93	15/16	23,81	1	25,4	24,38	21,84	49,02	38,86
SUNPT1012	5/8	15,87	3/4	12,70	1.1/16	26,98	1	25,4	24,38	21,84	50,54	40,38
SUNPT1208	3/4	19,05	1/2	11,93	1.1/16	26,98	1.1/8	28,57	24,38	21,84	50,54	40,38
SUNPT1212	3/4	19,05	3/4	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	50,54	40,38
SUNPT1216	3/4	19,05	1	15,74	1.3/8	34,92	1.1/8	28,57	24,38	21,84	57,15	46,99
SUNPT1412	7/8	22,22	3/4	15,74	1.3/16	30,16	1.1/4	31,75	25,90	21,84	50,54	40,38
SUNPT1416	7/8	22,22	1	18,28	1.3/8	34,92	1.1/4	31,75	25,90	21,84	57,15	46,99
SUNPT1608	1	25,40	1/2	11,93	1.3/8	34,92	1.1/2	38,10	31,24	26,41	57,40	45,21
SUNPT1612	1	25,40	3/4	15,74	1.3/8	34,92	1.1/2	38,10	31,24	26,41	57,40	45,21
SUNPT1616	1	25,40	1	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	62,23	50,03
SUNPT2016	1.1/4	31,75	1	22,35	1.3/4	44,45	1.7/8	47,62	41,14	38,86	77,21	55,11
SUNPT2020	1.1/4	31,75	1.1/4	27,68	1.3/4	44,45	1.7/8	47,62	41,14	38,86	77,21	55,11
SUNPT2424	1.1/2	38,10	1.1/2	34,03	2.1/8	53,97	2.1/4	57,15	50,03	45,21	88,90	61,72
SUNPT3232	2	50,80	2	45,97	2.3/4	69,85	3	76,20	67,56	62,73	113,53	76,20

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2	A	B	L1	L2
SUNPT0202M	2	1/8	1,70	12	11	12,9	15,3	30,5	23,9
SUNPT0302M	3	1/8	2,40	12	11	12,9	15,3	30,5	23,9
SUNPT0304M	3	1/4	2,40	14	11	12,9	15,3	35,6	29,0
SUNPT0402M	4	1/8	2,40	12	12	13,7	16,1	31,2	24,6
SUNPT0404M	4	1/4	2,40	14	12	13,7	16,1	36,3	29,7
SUNPT0602M	6	1/8	4,80	14	14	15,3	17,7	32,8	25,4
SUNPT0604M	6	1/4	4,80	14	14	15,3	17,7	37,9	30,5
SUNPT0606M	6	3/8	4,80	18	14	15,3	17,7	38,4	31,0
SUNPT0608M	6	1/2	4,80	22	14	15,3	17,7	44,7	37,3
SUNPT0802M	8	1/8	4,80	16	16	16,2	18,6	34,2	26,7
SUNPT0804M	8	1/4	6,40	16	16	16,2	18,6	38,7	31,2
SUNPT0806M	8	3/8	6,40	19	16	16,2	18,6	39,3	31,8
SUNPT0808M	8	1/2	6,40	22	16	16,2	18,6	45,6	38,1
SUNPT1002M	10	1/8	4,80	19	19	17,2	19,5	36,3	28,7
SUNPT1004M	10	1/4	7,10	19	19	17,2	19,5	40,9	33,3
SUNPT1006M	10	3/8	7,10	19	19	17,2	19,5	40,9	33,3
SUNPT1008M	10	1/2	7,10	22	19	17,2	19,5	46,5	38,9
SUNPT1202M	12	1/8	4,80	22	22	22,8	22,0	38,8	28,7
SUNPT1204M	12	1/4	7,10	22	22	22,8	22,0	43,4	33,3
SUNPT1206M	12	3/8	9,50	22	22	22,8	22,0	43,4	33,3
SUNPT1208M	12	1/2	9,50	22	22	22,8	22,0	49,0	38,9
SUNPT1212M	12	3/4	9,50	27	22	22,8	22,0	50,5	40,4
SUNPT1404M	14	1/4	7,10	24	25	24,4	22,0	44,1	34,0
SUNPT1406M	14	3/8	9,50	24	25	24,4	22,0	44,1	34,0
SUNPT1408M	14	1/2	11,10	24	25	24,4	22,0	49,0	38,9
SUNPT1606M	16	3/8	9,50	24	25	24,4	22,0	44,1	34,0
SUNPT1608M	16	1/2	11,90	24	25	24,4	22,0	49,0	38,9
SUNPT1612M	16	3/4	12,70	27	25	24,4	22,0	50,5	40,4
SUNPT1808M	18	1/2	11,90	27	30	24,4	22,0	50,5	40,4
SUNPT1812M	18	3/4	15,1	27	30	24,4	22,0	50,5	40,4
SUNPT2008M	20	1/2	11,90	30	32	26,0	22,0	52,3	42,2
SUNPT2012M	20	3/4	15,90	30	32	26,0	22,0	52,3	42,2
SUNPT2212M	22	3/4	15,90	30	32	26,0	22,0	52,3	42,2
SUNPT2216M	22	1	18,30	36	32	26,0	22,0	57,1	47,0
SUNPT2512M	25	3/4	15,90	36	38	31,3	26,5	57,5	45,2
SUNPT2516M	25	1	21,80	36	38	31,3	26,5	62,3	50,0
SUNPT2816M	28	1	21,80	41	46	36,6	36,6	72,4	51,6
SUNPT2820M	28	1.1/4	21,80	46	46	36,6	36,6	73,1	52,3
SUNPT3020M	30	1.1/4	26,20	46	50	39,6	39,2	77,2	55,6
SUNPT3824M	38	1.1/2	33,70	55	60	49,4	47,9	91,6	64,0

Connettore Maschio Gas Conico

BSPT Male Connector



Connects Fractional Tubes

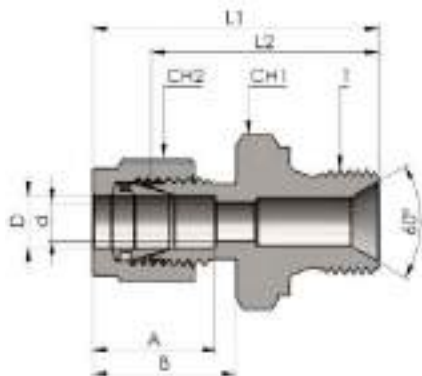
Codice Part Number	D		T (BSPT)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUBSPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	30,48	23,87
SUBSPT0204	1/8	3,17	1/4	2,28	9/16	14,28	7/16	11,11	12,70	15,24	35,56	28,95
SUBSPT0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,28	15,24	17,78	32,76	25,40
SUBSPT0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,28	15,24	17,78	37,84	30,48
SUBSPT0406	1/4	6,35	3/8	4,82	11/16	17,46	9/16	14,28	15,24	17,78	38,35	30,98
SUBSPT0408	1/4	6,35	1/2	4,82	7/8	22,22	9/16	14,28	15,24	17,78	44,70	37,33
SUBSPT0502	5/16	7,93	1/8	4,82	9/16	14,28	5/8	15,87	16,25	18,54	34,03	26,67
SUBSPT0504	5/16	7,93	1/4	6,35	9/16	14,28	5/8	15,87	16,25	18,54	38,60	31,24
SUBSPT0602	3/8	9,52	1/8	4,82	5/8	15,87	11/16	17,46	16,76	19,30	35,30	27,94
SUBSPT0604	3/8	9,52	1/4	7,11	5/8	15,87	11/16	17,46	16,76	19,30	39,87	32,51
SUBSPT0606	3/8	9,52	3/8	7,11	11/16	17,46	11/16	17,46	16,76	19,30	39,87	32,51
SUBSPT0608	3/8	9,52	1/2	7,11	7/8	22,22	11/16	17,46	16,76	19,30	46,22	38,86
SUBSPT0612	3/8	9,52	3/4	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	47,75	40,38
SUBSPT0804	1/2	12,70	1/4	7,11	13/16	20,63	7/8	22,22	22,86	21,84	43,43	33,27
SUBSPT0806	1/2	12,70	3/8	9,65	13/16	20,63	7/8	22,22	22,86	21,84	43,43	33,27
SUBSPT0808	1/2	12,70	1/2	10,41	7/8	22,22	7/8	22,22	22,86	21,84	49,02	38,86
SUBSPT0812	1/2	12,70	3/4	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	50,54	40,38
SUBSPT1008	5/8	15,87	1/2	11,93	15/16	23,81	1	25,4	24,38	21,84	49,02	38,86
SUBSPT1212	3/4	19,05	3/4	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	50,54	40,38
SUBSPT1216	3/4	19,05	1	15,74	1.3/8	34,92	1.1/8	28,57	24,38	21,84	57,15	46,99
SUBSPT1612	1	25,40	3/4	15,74	1.3/8	34,92	1.1/2	38,10	31,24	26,41	57,40	45,21
SUBSPT1616	1	25,40	1	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	62,23	50,03
SUBSPT2020	1.1/4	31,75	1.1/4	27,68	1.3/4	44,45	1.7/8	47,62	41,14	38,86	77,21	55,11

Connects Metric Tubes

Codice Part Number	D	T (BSPT)	d	CH1	CH2	A	B	L1	L2
SUBSPT0202M	2	1/8	1,70	12	11	12,9	15,3	30,5	23.9
SUBSPT0302M	3	1/8	2,40	12	11	12,9	15,3	30,5	23.9
SUBSPT0304M	3	1/4	2,40	14	11	12,9	15,3	35,6	29.0
SUBSPT0402M	4	1/8	2,40	12	12	13,7	16,1	31,2	24.6
SUBSPT0404M	4	1/4	2,40	14	12	13,7	16,1	36,3	29.7
SUBSPT0602M	6	1/8	4,80	14	14	15,3	17,7	32,8	25.4
SUBSPT0604M	6	1/8	4,80	14	14	15,3	17,7	37,9	30.5
SUBSPT0606M	6	3/8	4,80	18	14	15,3	17,7	38,4	31.0
SUBSPT0608M	6	1/2	4,80	22	14	15,3	17,7	44,7	37.3
SUBSPT0802M	8	1/8	4,80	16	16	16,2	18,6	34,2	26.7
SUBSPT0804M	8	1/4	6,40	16	16	16,2	18,6	38,7	31.2
SUBSPT0806M	8	3/8	6,40	19	16	16,2	18,6	39,3	31.8
SUBSPT0808M	8	1/2	6,40	22	16	16,2	18,6	45,6	38.1
SUBSPT1002M	10	1/8	4,80	19	19	17,2	19,5	36,3	28.7
SUBSPT1004M	10	1/4	7,10	19	19	17,2	19,5	40,9	33.3
SUBSPT1006M	10	3/8	7,10	19	19	17,2	19,5	40,9	33.3
SUBSPT1008M	10	1/2	7,10	22	19	17,2	19,5	46,5	38.9
SUBSPT1012M	10	3/4	7,10	22	19	22,8	22,0	47,75	40,38
SUBSPT1204M	12	1/4	7,10	22	22	22,8	22,0	43,4	33.3
SUBSPT1206M	12	3/8	9,50	22	22	22,8	22,0	43,4	33.3
SUBSPT1208M	12	1/2	9,50	22	22	22,8	22,0	49,0	38.9
SUBSPT1212M	12	3/4	9,50	27	22	22,8	22,0	50,5	40.4
SUBSPT1404M	14	1/4	7,10	24	25	24,4	22,0	44,1	34.0
SUBSPT1406M	14	3/8	9,50	24	25	24,4	22,0	44,1	34.0
SUBSPT1604M	16	1/4	9,50	24	25	22,8	22,0	44,1	34.0
SUBSPT1606M	16	3/8	9,50	24	25	24,4	22,0	44,1	34.0
SUBSPT1608M	16	1/2	11,90	24	25	24,4	22,0	49,0	38.9
SUBSPT1612M	16	3/4	12,70	27	25	24,4	22,0	50,5	40.4
SUBSPT1808M	18	1/2	11,90	27	30	24,4	22,0	50,5	40.4
SUBSPT1812M	18	3/4	15,1	27	30	24,4	22,0	50,5	40.4
SUBSPT2008M	20	1/2	11,90	30	32	26,0	22,0	52,3	42.2
SUBSPT2012M	20	3/4	15,90	30	32	26,0	22,0	52,3	42.2
SUBSPT2212M	22	3/4	15,90	30	32	26,0	22,0	52,3	42.2
SUBSPT2216M	22	1	18,30	36	32	26,0	22,0	57,1	47.0
SUBSPT2508M	25	1/2	11,90	36	32	24,4	22,0	57,5	45.2
SUBSPT2512M	25	3/4	15,90	36	38	31,3	26,5	57,5	45.2
SUBSPT2516M	25	1	21,80	36	38	31,3	26,5	62,3	50.0
SUBSPT2816M	28	1	21,80	41	46	36,6	36,6	72,4	51.6
SUBSPT2820M	28	1.1/4	21,80	46	46	36,6	36,6	73,1	52.3
SUBSPT3020M	30	1.1/4	26,20	46	50	39,6	39,2	77,2	55.6
SUBSPT3220M	32	1.1/4	26,20	55	50	39,6	39,2	77,2	55.6
SUBSPT3824M	38	1.1/2	33,70	55	60	49,4	47,9	91,6	64.0

Connettore Maschio BSP

BSP Male Connector



Connects Fractional Tubes

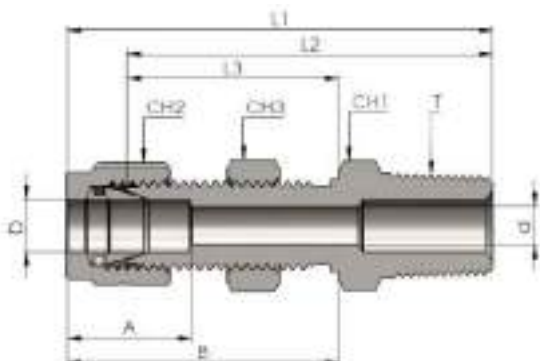
Codice Part Number	D		T (BSP)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUBSP0202	1/8	3,17	1/8	2,28	9/16	14,28	7/16	11,11	12,70	15,24	33,27	24,20
SUBSP0204	1/8	3,17	1/4	2,28	3/4	19,05	7/16	11,11	12,70	15,24	38,10	28,20
SUBSP0206	1/8	3,17	3/8	2,28	7/8	22,22	7/16	11,11	12,70	15,24	38,86	30,20
SUBSP0402	1/4	6,35	1/8	4,06	9/16	14,28	9/16	14,28	15,24	17,78	35,56	26,00
SUBSP0404	1/4	6,35	1/4	4,83	3/4	19,05	9/16	14,28	15,24	17,78	40,39	30,00
SUBSP0406	1/4	6,35	3/8	4,83	7/8	22,22	9/16	14,28	15,24	17,78	41,15	32,00
SUBSP0408	1/4	6,35	1/2	4,83	1.1/16	26,98	9/16	14,28	15,24	17,78	43,18	34,00
SUBSP0602	3/8	9,52	1/8	4,06	5/8	15,87	11/16	17,46	16,76	19,30	37,85	27,50
SUBSP0604	3/8	9,52	1/4	5,84	3/4	19,05	11/16	17,46	16,76	19,30	41,91	31,50
SUBSP0606	3/8	9,52	3/8	7,11	7/8	22,22	11/16	17,46	16,76	19,30	42,67	32,50
SUBSP0608	3/8	9,52	1/2	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	44,70	23,50
SUBSP0804	1/2	12,70	1/4	5,84	13/16	20,63	7/8	22,22	22,86	21,84	44,70	31,30
SUBSP0806	1/2	12,70	3/8	7,87	7/8	22,22	7/8	22,22	22,86	21,84	45,47	33,33
SUBSP0808	1/2	12,70	1/2	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	47,50	35,30
SUBSP1208	3/4	19,05	1/2	11,94	1.1/16	26,98	1.1/8	28,57	24,38	21,84	48,77	35,30
SUBSP1212	3/4	19,05	3/4	15,75	1.5/16	33,33	1.1/8	28,57	24,38	21,84	52,07	36,80
SUBSP1608	1	25,4	1/2	11,94	1.3/8	34,92	1.1/2	38,10	31,24	26,41	55,63	37,70
SUBSP1612	1	25,4	3/4	16,00	1.3/8	34,92	1.1/2	38,10	31,24	26,41	57,66	39,20
SUBSP1616	1	25,4	1	19,81	1.5/8	41,27	1.1/2	38,10	31,24	26,41	59,69	46,20

Connects Metric Tubes

Codice Part Number	D	T (BSP)	d	CH1	CH2	A	B	L1	L2
SUBSP0202M	2	1/8	1,70	14	11	12,90	15,30	33,30	
SUBSP0302M	3	1/8	2,40	14	11	12,90	15,30	33,30	
SUBSP0304M	3	1/4	2,40	19	11	12,90	15,30	38,10	
SUBSP0402M	4	1/8	2,40	14	12	13,70	16,10	34,00	
SUBSP0602M	6	1/4	4,00	14	14	15,30	17,70	35,60	
SUBSP0604M	6	1/4	4,80	19	14	15,30	17,70	40,40	
SUBSP0606M	6	3/8	4,80	22	14	15,30	17,70	41,10	
SUBSP0608M	6	1/2	4,80	27	14	15,30	17,70	43,20	
SUBSP0802M	8	1/8	4,00	17	16	16,20	18,60	36,60	
SUBSP0804M	8	1/4	5,90	19	16	16,20	18,60	41,40	
SUBSP0806M	8	3/8	6,40	22	16	16,20	18,60	42,20	
SUBSP0808M	8	1/2	6,40	27	16	16,20	18,60	44,20	
SUBSP1004M	10	1/4	5,90	19	19	17,20	19,50	42,20	
SUBSP1006M	10	3/8	7,90	22	19	17,20	19,50	42,90	
SUBSP1008M	10	1/2	7,90	27	19	17,20	19,50	45,00	
SUBSP1204M	12	1/4	5,90	22	22	22,80	22,00	44,50	
SUBSP1206M	12	3/8	7,90	22	22	22,80	22,00	45,50	
SUBSP1208M	12	1/2	9,50	27	22	22,80	22,00	47,50	
SUBSP1212M	12	3/4	9,50	36	22	22,80	22,00	52,10	
SUBSP1406M	14	3/8	7,90	24	25	24,40		43,90	
SUBSP1408M	14	1/2	11,10	27	25	24,40		47,50	
SUBSP1506M	15	3/8	7,90	24	25	24,40	22,00	45,50	
SUBSP1508M	15	1/2	11,90	27	25	24,40	22,00	47,50	
SUBSP1512M	15	3/4	11,90	36	25	24,40	22,00	52,80	
SUBSP1606M	16	3/8	7,90	24	25	24,40	22,00	45,50	
SUBSP1608M	16	1/2	11,90	27	25	24,40	22,00	47,50	
SUBSP1612M	16	3/4	15,10	36	25	24,40	22,00	52,80	
SUBSP1808M	18	1/2	11,90	27	30	24,40	22,00	48,80	
SUBSP1812M	18	3/4	15,90	36	30	24,40	22,00	52,10	
SUBSP2008M	20	1/2	18,30	30	32	26,00	22,00	50,50	
SUBSP2012M	20	3/4	15,90	36	32	26,00	22,00	52,60	
SUBSP2212M	22	3/4	15,90	36	32	26,00	22,00	52,60	
SUBSP2216M	22	1	18,30	41	32	26,00	22,00	54,90	
SUBSP2512M	25	3/4	15,90	35	38	31,30	26,50	57,70	
SUBSP2516M	25	1	19,80	41	38	31,30	26,50	59,70	
SUBSP2816M	28	1	19,80	41	46	36,60	36,60	69,90	
SUBSP2820M	28	1.1/4	21,80	50	46	36,60	36,60	72,90	
SUBSP3020M	30	1.1/4	26,20	50	50	39,60		76,70	
SUBSP3220M	32	1.1/4	28,60	50	50	42,00	41,60	79,20	
SUBSP3824M	38	1.1/2	31,80	55	60	49,40	47,90	90,90	

Connettore Passaparete Maschio NPT

NPT Male Bulkhead Connector

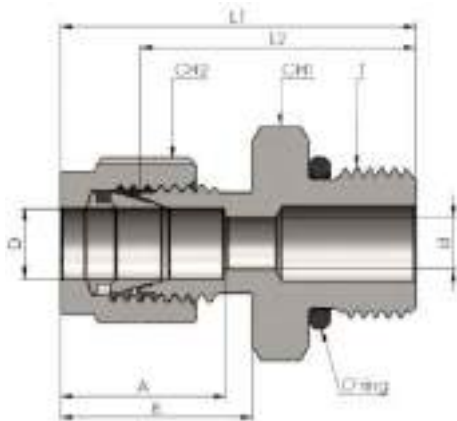


Connects Fractional Tubes

Codice Part Number	D		T (NPT)	d	CH1		CH2		CH3		A	B	L1	L2	L3	Diametro Fore pannello Panel Hole Drill Size	Spessore Max. Pannello Panel Max Thickness
	in	mm			in	mm	in	mm	in	mm							
SUBKNPT0202	1/8	3,17	1/8	2,28	9/16	14,29	7/16	11,11	1/2	12,70	12,70	31,24	46,48	39,87	24,63	8,33	12,20
SUBKNPT0402	1/4	6,35	1/8	4,82	5/8	15,87	9/16	14,28	5/8	15,87	15,24	33,52	49,53	42,16	26,16	11,50	10,16
SUBKNPT0404	1/4	6,35	1/4	4,82	5/8	15,87	9/16	14,28	5/8	15,87	15,24	33,52	53,34	45,97	26,16	11,50	10,16
SUBKNPT0604	3/8	9,52	1/4	7,11	3/4	19,05	11/16	17,46	3/4	19,05	16,76	36,83	57,40	50,03	29,46	14,68	11,17
SUBKNPT0606	3/8	9,52	3/8	7,11	3/4	19,05	11/16	17,46	3/4	19,05	16,76	36,83	57,40	50,03	29,46	14,68	11,17
SUBKNPT0608	3/8	9,52	1/2	7,11	7/8	22,22	11/16	17,46	3/4	19,05	16,76	36,83	63,75	56,38	29,46	14,68	11,17
SUBKNPT0806	1/2	12,70	3/8	9,39	15/16	23,81	7/8	22,22	15/16	23,81	22,86	41,91	43,24	53,08	31,75	19,44	12,70
SUBKNPT0808	1/2	12,70	1/2	10,41	15/16	23,81	7/8	22,22	15/16	23,81	22,86	41,91	68,83	58,67	31,75	19,44	12,70
SUBKNPT1212	3/4	19,05	3/4	15,74	1.3/16	30,16	1.1/8	28,57	1.3/16	30,16	24,38	47,49	76,20	66,04	37,33	25,76	16,76
SUBKNPT1616	1	25,40	1	22,35	1.5/8	41,27	1.1/2	38,10	1.5/8	41,27	31,24	57,40	93,21	81,02	45,21	33,73	19,05

Connettore UNF con tenuta O'ring

UNF Male Connector O'ring seal



Connects Fractional Tubes

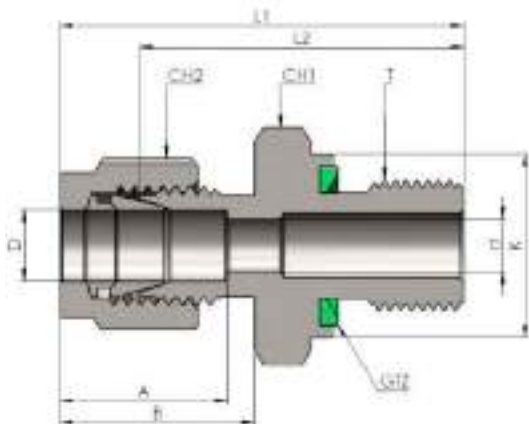
Codice Part Number	D		T (U)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUUNF0202	1/8	3,17	5/16-24	2,28	7/16	11,11	7/16	11,11	12,70	15,24	29,97	23,26
SUUNF0204	1/8	3,17	7/16-20	2,28	9/16	14,28	7/16	11,11	12,70	15,24	31,49	24,89
SUUNF0404	1/4	6,35	7/16-20	4,82	9/16	14,28	9/16	14,28	15,24	17,78	34,03	26,67
SUUNF0406	1/4	6,35	9/16-18	4,82	11/16	17,46	9/16	14,28	15,24	17,78	35,56	28,19
SUUNF0408	1/4	6,35	3/4-16	4,82	7/8	22,22	9/16	14,28	15,24	17,78	37,59	30,22
SUUNF0410	1/4	6,35	7/8-14	4,82	1	25,40	9/16	14,28	15,24	17,78	40,64	33,27
SUUNF0505	5/16	7,93	1/2-20	5,84	5/8	15,87	5/8	15,87	16,25	18,54	34,79	27,43
SUUNF0604	3/8	9,52	7/16-20	5,08	5/8	15,87	11/16	17,46	16,76	19,30	35,56	28,19
SUUNF0606	3/8	9,52	9/16-18	7,11	11/16	17,46	11/16	17,46	16,76	19,30	37,08	29,71
SUUNF0608	3/8	9,52	3/4-16	7,11	7/8	22,22	11/16	17,46	16,76	19,30	39,11	31,75
SUUNF0610	3/8	9,52	7/8-14	7,11	1	25,40	11/16	17,46	16,76	19,30	42,16	34,79
SUUNF0806	1/2	12,70	9/16-18	7,11	13/16	20,63	7/8	22,22	22,86	21,84	39,11	28,95
SUUNF0808	1/2	12,70	3/4-16	10,41	7/8	22,22	7/8	22,22	22,86	21,84	41,91	31,75
SUUNF0810	1/2	12,70	7/8-14	10,41	1	25,40	7/8	22,22	22,86	21,84	44,95	34,79
SUUNF0812	1/2	12,70	1.1/16-12	10,41	1.1/4	31,75	7/8	22,22	22,86	21,84	49,02	38,86
SUUNF1008	5/8	15,87	3/4-16	10,66	15/16	23,81	1	25,40	24,38	21,84	41,91	31,75
SUUNF1010	5/8	15,87	7/8-14	12,70	1	25,40	1	25,40	24,38	21,84	45,21	35,05
SUUNF1208	3/4	19,05	3/4-16	10,66	1.1/16	26,98	1.1/8	28,57	24,38	21,84	45,97	35,81
SUUNF1212	3/4	19,05	1.1/16-12	15,74	1.1/4	31,80	1.1/8	28,57	24,38	21,84	49,02	38,86
SUUNF1414	7/8	22,22	1.3/16-12	18,28	1.3/8	34,92	1.1/4	31,75	25,90	21,84	49,02	38,86
SUUNF1612	1	25,40	1.1/16-12	16,76	1.3/8	34,92	1.1/2	38,10	31,24	26,41	53,34	41,14
SUUNF1616	1	25,40	1.5/16-12	22,35	1.1/2	38,10	1.1/2	38,10	31,24	26,41	54,35	42,16
SUUNF2020	1.1/4	31,75	1.5/8-12	27,68	1.7/8	47,62	1.7/8	47,62	41,14	38,86	68,32	46,22
SUUNF2424	1.1/2	38,10	1.7/8-12	34,03	2.1/8	53,97	2.1/4	57,15	50,03	45,21	77,72	50,54
SUUNF3232	2	50,80	2.1/2-12	45,97	2.3/4	69,85	3	76,20	67,56	62,73	101,60	64,26

Connects Metric Tubes

Codice Part Number	D	T (U)	d	CH1	CH2	A	B	L1	L2
SUUNF0606M	6	9/16-18	4,8	18	14	15,3	17,7	35,6	
SUUNF1006M	10	9/16-18	7,1	22	19	17,2	19,5	37,3	
SUUNF1012M	10	3/4-16	7,9	22	19	17,2	19,5	39,4	
SUUNF1204M	12	7/16-20	5,2	22	22	22,8	22,0	40,6	
SUUNF1206M	12	9/16-18	7,1	22	22	22,8	22,0	39,9	
SUUNF1212M	12	3/4-16	9,5	22	22	22,8	22,0	41,9	

Connettore UNF con tenuta GTZ

UNF Male Connector GTZ seal

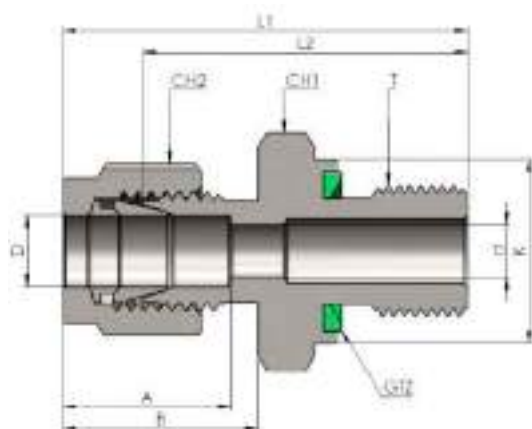


Connects Fractional Tubes

Codice Part Number	D		T (U)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUGTZ0202	1/8	3,17	5/16-24	2,28	9/16	14,28	7/16	11,11	12,70	15,24	32,76	26,16
SUGTZ0303	3/16	4,76	3/8-24	3,04	5/8	15,87	1/2	12,70	13,71	16,00	34,29	27,68
SUGTZ0404	1/4	6,35	7/16-20	4,82	3/4	19,05	9/16	14,28	15,24	17,78	38,35	30,98
SUGTZ0505	5/16	7,93	1/2-20	6,35	7/8	22,22	5/8	15,87	16,25	18,54	40,64	33,27
SUGTZ0606	3/8	9,52	9/16-18	7,11	15/16	23,81	11/16	17,46	16,76	19,30	42,41	35,05
SUGTZ0808	1/2	12,70	3/4-16	10,41	1.1/8	28,57	7/8	22,22	22,86	21,84	45,97	35,81
SUGTZ1212	3/4	19,05	1.1/16-12	15,74	1.1/2	38,10	1.1/8	28,57	24,38	21,84	52,32	42,16
SUGTZ1616	1	25,40	1.5/16-12	22,35	1.3/4	44,45	1.1/2	38,10	31,24	26,41	58,16	45,97

Connettore BSP con Tenuta GTZ

BSP Male Connector GTZ seal

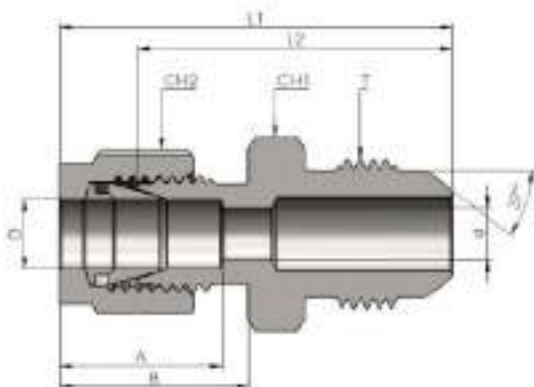


Connects Fractional Tubes

Codice Part Number	D		T (BSP)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUBSPGTZ0202	1/8	3,17	1/8	2,28	3/4	19,05	7/16	11,11	12,70	15,24	32,76	26,16
SUBSPGTZ0402	1/4	6,35	1/8	4,82	3/4	19,05	9/16	14,28	15,24	17,78	35,05	27,68
SUBSPGTZ0404	1/4	6,35	1/4	4,82	15/16	23,81	9/16	14,28	15,24	17,78	38,35	30,98
SUBSPGTZ0604	3/8	9,52	1/4	7,11	15/16	23,81	11/16	17,46	16,76	19,30	39,87	32,51
SUBSPGTZ0606	3/8	9,52	3/8	7,11	1.1/8	28,57	11/16	17,46	16,76	19,30	41,40	34,03
SUBSPGTZ0608	3/8	9,52	1/2	7,11	1.5/16	33,33	11/16	17,46	16,76	19,30	46,99	39,62
SUBSPGTZ0808	1/2	12,70	1/2	10,41	1.5/16	33,33	7/8	22,22	22,86	21,84	49,78	39,62

Connettore Maschio JIC 37°

37° JIC Male Connector

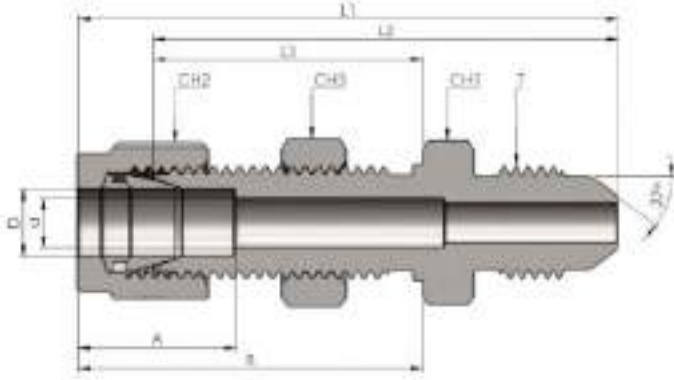


Connects Fractional Tubes

Codice Part Number	D		T (U)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUJ0102	1/16	1.58	5/16-24	1,27	7/16	11,11	5/16	7,93	8,63	10,92	27,17	23,36
SUJ0202	1/8	3.17	5/16-24	1,52	7/16	11,11	7/16	11,11	12,70	15,24	31,49	24,89
SUJ0204	1/8	3.17	7/16-20	2,28	9/16	14,28	7/16	11,11	12,70	15,24	35,05	28,44
SUJ0404	1/4	6.35	7/16-20	4,31	9/16	14,28	9/16	14,28	15,24	17,78	37,59	30,22
SUJ0505	5/16	7.93	1/2-20	5,84	9/16	14,28	5/8	15,87	16,25	18,54	38,35	30,98
SUJ0604	3/8	9.52	7/16-20	4,31	5/8	15,87	11/16	17,46	16,76	19,30	39,62	32,25
SUJ0606	3/8	9.52	9/16-18	7,11	5/8	15,87	11/16	17,46	16,76	19,30	39,62	32,25
SUJ0808	1/2	12.70	3/4-16	9,90	13/16	20,63	7/8	22,22	22,86	21,84	45,97	35,81
SUJ1212	3/4	19,05	1.1/16-12	15,49	1.1/8	28,57	1.1/8	28,57	24,38	21,84	53,34	43,18
SUJ1616	1	25,40	1.5/16-12	21,33	1.3/8	34,92	1.1/2	38,10	31,24	26,41	61,46	49,27

Connettore Passaparete Maschio JIC 37°

37° JIC Male Bulkhead Connector

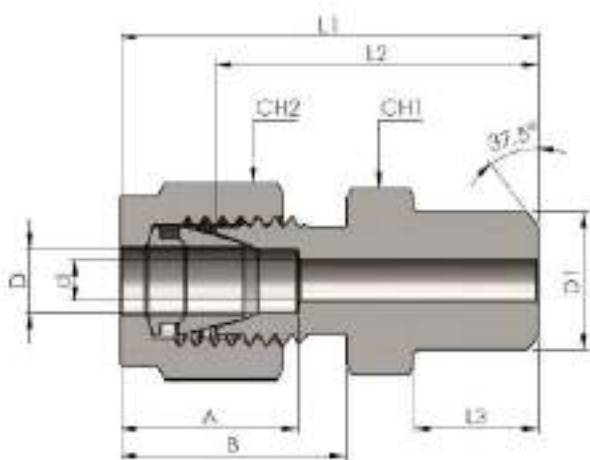


Connects Fractional Tubes

Codice Part Number	D		T (U)	D	CH1, CH3		CH2		A	B	L1	L2	L3	Diametro foro pannello	Spessore Max. Pannello
	in	mm			in	mm	in	mm						Panel Hole Drill Size	Panel Max Thickness
SUBKJ0404	1/4	6,35	7/16-20	4,31	5/8	15,87	9/16	14,28	15,24	33,52	53,84	46,48	26,16	11,50	10,16
SUBKJ0606	3/8	9,52	9/16-18	7,11	3/4	19,05	11/16	17,46	16,76	36,83	57,15	49,78	29,46	14,68	11,17
SUBKJ0808	1/2	12,70	3/4-16	9,90	15/16	23,81	7/8	22,22	22,86	41,91	65,78	55,62	31,75	19,44	12,70
SUBKJ1212	3/4	19,05	1.1/16-12	15,49	1.3/16	30,16	1.1/8	28,57	24,38	47,49	78,99	68,83	37,33	25,79	16,76
SUBKJ1616	1	25,40	1.5/16-12	21,33	1.5/8	41,27	1.1/2	38,10	31,24	57,40	92,45	80,26	45,21	33,73	19,05

Connettore a saldare di testa

Weld Connector



Connects Fractional Tubes

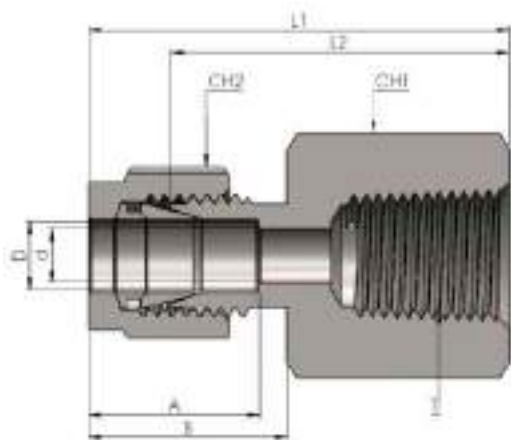
Codice Part Number	D		P		d	CH1		CH2		A	B	L1	L2	L3
	in	mm	Nom.	O.D.		in	mm	in	mm					
SUMW0202	1/8	3,17	1/8	10,30	2,28	7/16	11,11	7/16	11,11	12,70	15,24	31,24	23,87	9,65
SUMW0302	3/16	4,76	1/8	10,30	3,04	7/16	11,11	1/2	12,70	13,71	16,00	31,24	24,62	9,65
SUMW0402	1/4	6,35	1/8	10,30	4,82	9/16	14,28	9/16	14,28	15,24	17,78	32,76	25,40	9,65
SUMW0404	1/4	6,35	1/4	13,70	4,82	9/16	14,28	9/16	14,28	15,24	17,78	37,84	30,48	14,22
SUMW0502	5/16	7,93	1/8	10,30	5,08	9/16	14,28	5/8	15,87	16,25	18,54	34,03	26,67	9,65
SUMW0504	5/16	7,93	1/4	13,70	6,35	9/16	14,28	5/8	15,87	16,25	18,54	38,60	31,24	14,22
SUMW0604	3/8	9,52	1/4	13,70	7,11	5/8	15,87	11/16	17,46	16,76	19,30	39,87	32,51	14,22
SUMW0606	3/8	9,52	3/8	17,10	7,11	11/16	17,46	11/16	17,46	16,76	19,30	39,87	32,51	14,22
SUMW0608	3/8	9,52	1/2	21,30	7,11	7/8	22,22	11/16	17,46	16,76	19,30	43,23	38,86	19,05
SUMW0612	3/8	9,52	3/4	26,67	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	47,75	40,38	19,05
SUMW0806	1/2	12,70	3/8	17,10	10,41	13/16	20,63	7/8	22,22	22,86	21,84	43,43	33,27	14,22
SUMW0808	1/2	12,70	1/2	21,30	10,41	7/8	22,22	7/8	22,22	22,86	21,84	49,02	38,86	19,05
SUMW0812	1/2	12,70	3/4	26,67	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	50,54	40,38	19,05
SUMW1008	5/8	15,87	1/2	21,30	12,70	15/16	23,81	1	25,40	24,38	21,84	49,02	38,86	19,05
SUMW1212	3/4	19,05	3/4	26,67	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	50,54	40,38	19,05
SUMW1616	1	25,40	1	33,40	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	62,23	50,03	23,87
SUMW2020	1.1/4	31,75	1.1/4	42,16	27,68	1.3/4	44,45	2	50,80	41,14	38,86	77,21	55,11	23,87
SUMW2424	1.1/2	38,10	1.1/2	48,26	34,03	2.1/8	53,97	2.1/4	57,15	50,03	45,21	88,90	61,72	26,16
SUMW3232	2	50,80	2	60,32	47,75	2.3/4	69,85	3	76,20	67,56	62,73	113,53	76,20	26,92

Connects Metric Tubes

Codice Part Number	D	P		d	CH1	CH2	A	B	L1	L2	L3
		Nom.	O.D.								
SUMW0302M	3	1/8	10,3	2,4	12	11	12,9	15,3	29,7	23,1	9,7
SUMW0402M	4	1/8	10,3	2,4	12	12	13,7	16,1	30,7	24,1	9,7
SUMW0602M	6	1/8	10,3	4,8	14	14	15,3	17,7	32,8	25,4	9,7
SUMW0604M	6	1/4	13,7	4,8	14	14	15,3	17,7	37,6	30,2	14,2
SUMW0802M	8	1/8	10,3	5,1	17	16	16,2	18,6	34,2	26,7	9,7
SUMW0804M	8	1/4	13,7	6,4	17	16	16,2	18,6	38,7	31,2	14,2
SUMW0808M	8	1/2	21,3	6,4	22	16	16,2	18,6	44,8	37,3	19,0
SUMW1004M	10	1/4	13,7	7,1	19	19	17,2	19,5	40,9	33,3	14,2
SUMW1006M	10	3/8	17,1	7,9	19	19	17,2	19,5	40,1	33,3	14,2
SUMW1008M	10	1/2	21,3	7,9	22	19	17,2	19,5	45,7	38,1	19,0
SUMW1204M	12	1/4	13,7	7,1	22	22	22,8	22,0	43,4	33,3	14,2
SUMW1206M	12	3/8	17,1	9,5	22	22	22,8	22,0	43,4	33,3	14,2
SUMW1208M	12	1/2	21,3	9,5	22	22	22,8	22,0	48,2	38,1	19,0
SUMW1406M	14	3/8	17,1	10,3	24	25	24,4	22,0	44,1	34,0	14,2
SUMW1508M	15	1/2	21,3	11,9	24	25	24,4	22,0	49,0	38,9	19,0
SUMW1608M	16	1/2	21,3	12,7	24	25	24,4	22,0	49,0	38,9	19,0
SUMW1808M	18	1/2	21,3	13,5	27	30	24,4	22,0	50,5	40,4	19,0
SUMW3220M	32	1.1/4	42,2	28,6	46	50	42,0	41,6	79,6	56,6	23,9
SUMW3824M	38	1.1/2	48,3	33,7	55	60	49,4	47,9	91,6	64,0	26,2

Connettore Femmina NPT

NPT Female Connector



Connects Fractional Tubes

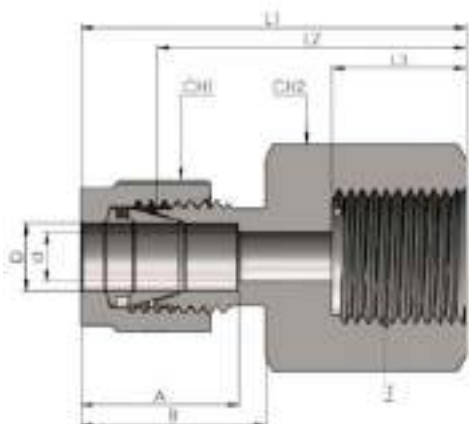
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUNPTF0101	1/16	1,58	1/16	1,27	7/16	11,11	5/16	7,93	8,63	10,92	23,62	19,81
SUNPTF0102	1/16	1,58	1/8	1,27	9/16	14,28	5/16	7,93	8,63	10,92	24,38	20,57
SUNPTF0202	1/8	3,17	1/8	2,28	9/16	14,28	7/16	11,11	12,70	15,24	28,70	22,09
SUNPTF0204	1/8	3,17	1/4	2,28	3/4	19,05	7/16	11,11	12,70	15,24	33,52	26,92
SUNPTF0302	3/16	4,76	1/8	3,04	9/16	14,28	1/2	12,70	13,71	16,00	29,71	23,11
SUNPTF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,28	15,24	17,78	31,24	23,87
SUNPTF0404	1/4	6,35	1/4	4,82	3/4	19,05	9/16	14,28	15,24	17,78	35,81	28,44
SUNPTF0406	1/4	6,35	3/8	4,82	7/8	22,22	9/16	14,28	15,24	17,78	37,59	30,22
SUNPTF0408	1/4	6,35	1/2	4,82	1.1/16	26,98	9/16	14,28	15,24	17,78	42,41	35,05
SUNPTF0502	5/16	7,93	1/8	6,35	9/16	14,28	5/8	15,87	16,25	18,54	32,00	24,63
SUNPTF0504	5/16	7,93	1/4	6,35	3/4	19,05	5/8	15,87	16,25	18,54	36,83	29,46
SUNPTF0602	3/8	9,52	1/8	7,11	5/8	15,87	11/16	17,46	16,76	19,30	32,76	25,40
SUNPTF0604	3/8	9,52	1/4	7,11	3/4	19,05	11/16	17,46	16,76	19,30	37,59	30,22
SUNPTF0606	3/8	9,52	3/8	7,11	7/8	22,22	11/16	17,46	16,76	19,30	39,11	31,75
SUNPTF0608	3/8	9,52	1/2	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	43,94	36,57
SUNPTF0612	3/8	9,52	3/4	7,11	1.5/16	33,33	11/16	17,46	16,76	21,84	47,75	40,38
SUNPTF0804	1/2	12,70	1/4	10,41	13/16	20,63	7/8	22,22	22,86	21,84	40,38	30,22
SUNPTF0806	1/2	12,70	3/8	10,41	7/8	22,22	7/8	22,22	22,86	21,84	41,91	31,75
SUNPTF0808	1/2	12,70	1/2	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	46,73	36,57
SUNPTF0812	1/2	12,70	3/4	10,41	1.5/16	33,33	7/8	22,22	22,86	21,84	48,26	38,10
SUNPTF1006	5/8	15,87	3/8	12,70	15/16	23,80	1	25,40	24,38	21,84	41,91	31,75
SUNPTF1008	5/8	15,87	1/2	12,70	1.1/16	26,98	1	25,40	24,38	21,84	46,73	36,57
SUNPTF1012	5/8	15,87	3/4	12,70	1.5/16	33,33	1	25,40	24,38	21,84	48,26	38,10
SUNPTF1208	3/4	19,05	1/2	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	46,73	36,57
SUNPTF1212	3/4	19,05	3/4	15,74	1.5/16	33,33	1.1/8	28,57	24,38	21,84	48,26	38,10
SUNPTF1412	7/8	22,22	3/4	18,28	1.5/16	33,33	1.1/4	31,75	25,90	21,84	49,78	39,62
SUNPTF1612	1	25,40	3/4	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	53,34	41,14
SUNPTF1616	1	25,40	1	22,35	1.5/8	41,27	1.1/2	38,10	31,24	26,41	62,23	50,03
SUNPTF2020	1.1/4	31,75	1.1/4	27,68	2.1/8	53,97	1.7/8	47,62	41,14	38,86	74,67	52,57
SUNPTF2424	1.1/2	38,10	1.1/2	34,03	2.3/8	60,32	2.1/4	57,15	50,03	45,21	83,31	56,13
SUNPTF3232	2	50,80	2	45,97	2.7/8	70,03	3	76,20	67,56	62,73	101,60	64,26

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2	A	B	L1	L2
SUNPTF0302M	3	1/8	2,4	14	11	12,9	15,3	28,7	22,1
SUNPTF0304M	3	1/4	2,4	19	11	12,9	15,3	33,5	26,9
SUNPTF0402M	4	1/8	2,4	14	12	13,7	16,1	29,7	23,1
SUNPTF0602M	6	1/8	4,8	14	14	15,3	17,7	31,3	23,9
SUNPTF0604M	6	1/4	4,8	19	14	15,3	17,7	35,8	28,4
SUNPTF0606M	6	3/8	4,8	22	14	15,3	17,7	36,9	29,5
SUNPTF0608M	6	1/2	4,8	27	14	15,3	17,7	42,5	35,1
SUNPTF0802M	8	1/8	6,4	17	16	16,2	18,6	32,1	24,6
SUNPTF0804M	8	1/4	6,4	19	16	16,2	18,6	37,0	29,5
SUNPTF0806M	8	3/8	6,4	2	16	16,2	18,6	37,7	30,2
SUNPTF0808M	8	1/2	6,4	27	16	16,2	18,6	43,3	35,8
SUNPTF1002M	10	1/8	7,9	19	19	17,2	19,5	33,0	25,4
SUNPTF1004M	10	1/4	7,9	19	19	17,2	19,5	37,8	30,2
SUNPTF1006M	10	3/8	7,9	22	19	17,2	19,5	38,6	31,0
SUNPTF1008M	10	1/2	7,9	27	19	17,2	19,5	44,2	36,6
SUNPTF1202M	12	1/8	9,5	22	22	22,8	22,0	38,5	28,4
SUNPTF1204M	12	1/4	9,5	22	22	22,8	22,0	40,3	30,2
SUNPTF1206M	12	3/8	9,5	22	22	22,8	22,0	41,1	31,0
SUNPTF1208M	12	1/2	9,5	27	22	22,8	22,0	46,7	36,6
SUNPTF1212M	12	3/4	9,5	36	22	22,8	22,0	49,0	38,9
SUNPTF1508M	15	1/2	11,9	27	25	24,4	22,0	46,7	36,6
SUNPTF1608M	16	1/2	12,7	27	25	24,4	22,0	46,9	36,8
SUNPTF2008M	20	1/2	15,9	30	32	26,0	22,0	47,9	37,8
SUNPTF2012M	20	3/4	15,9	36	32	26,0	22,0	49,7	39,6
SUNPTF2212M	22	3/4	18,3	36	32	26,0	22,0	49,7	39,6
SUNPTF2216M	22	1	18,3	41	32	26,0	22,0	57,9	47,8
SUNPTF2512M	25	3/4	21,8	35	38	31,3	26,5	53,4	41,1
SUNPTF2516M	25	1	21,8	41	38	31,3	26,5	62,3	50,0

Connettore Femmina BSP

BSP Female Connector



Connects Fractional Tubes

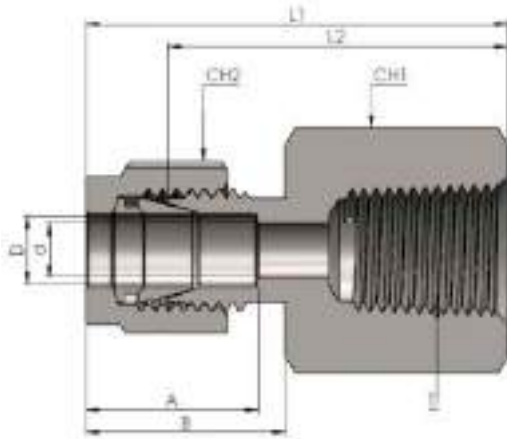
Codice Part Number	D		T (BSP)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
SUBSPF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,28	15,24	17,78	33,55	26,30	12,00
SUBSPF0404	1/4	6,35	1/4	4,82	3/4	19,05	9/16	14,28	15,24	17,78	37,59	30,22	13,00
SUBSPF0406	1/4	6,35	3/8	4,82	15/16	24,81	9/16	14,28	15,24	17,78	37,59	30,22	14,22
SUBSPF0408	1/4	6,35	1/2	4,82	11/16	26,98	9/16	14,28	15,24	17,78	43,43	30,07	18,80
SUBSPF0504	5/16	7,93	1/4	5,58	3/4	19,05	5/8	15,87	16,25	18,54	38,35	30,98	13,00
SUBSPF0508	5/16	7,93	1/2	7,11	1.1/16	26,98	5/8	15,87	16,25	18,54	40,38	33,02	18,80
SUBSPF0604	3/8	9,52	1/4	5,58	3/4	19,05	11/16	17,46	16,76	19,30	39,12	31,75	12,95
SUBSPF0606	3/8	9,52	3/8	6,60	15/16	24,81	11/16	17,46	16,76	19,30	38,61	31,24	14,22
SUBSPF0608	3/8	9,52	1/2	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	41,91	34,54	18,80
SUBSPF0804	1/2	12,70	1/4	5,50	7/8	22,22	7/8	22,22	22,86	21,84	41,95	31,80	13,00
SUBSPF0806	1/2	12,70	3/8	6,60	15/16	23,81	7/8	22,22	22,86	21,84	41,95	34,29	14,24
SUBSPF0808	1/2	12,70	1/2	7,11	1.1/16	26,98	7/8	22,22	22,86	21,84	41,95	38,10	18,80

Connects Metric Tubes

Codice Part Number	D	T (BSP)	d	CH1	CH2	A	B	L1	L2	L3
SUBSPF0304M	3	1/4	2,4	19	11	12,9	15,3	35,3	28,7	13
SUBSPF0604M	6	1/4	4,8	19	14	15,3	17,7	37,6	30,2	13
SUBSPF0606M	6	3/8	4,8	24	14	15,3	17,7	37,6	30,2	14
SUBSPF0608M	6	1/2	4,8	27	14	15,3	17,7	43,0	36,3	19
SUBSPF0804M	8	1/4	5,5	19	16	16,2	18,6	38,5	31,0	13
SUBSPF0806M	8	3/8	6,5	24	16	16,2	18,6	36,2	28,7	14
SUBSPF0808M	8	1/2	7,0	27	16	16,2	18,6	40,5	33,0	19
SUBSPF1004M	10	1/4	5,5	19	19	17,2	19,5	39,4	31,8	13
SUBSPF1006M	10	3/8	6,5	24	19	17,2	19,5	38,8	31,2	14
SUBSPF1008M	10	1/2	7,0	27	19	17,2	19,5	41,4	34,5	19
SUBSPF1204M	12	1/4	5,5	22	22	22,8	22,0	41,9	31,8	13
SUBSPF1206M	12	3/8	6,5	24	22	22,8	22,0	44,4	34,3	14
SUBSPF1208M	12	1/2	7,0	27	22	22,8	22,0	48,2	38,1	19
SUBSPF2008M	20	1/2	7,0	30	32	26,0	22,0	54,3	44,2	19
SUBSPF2208M	22	1/2	7,0	30	32	26,0	22,0	54,3	44,2	19

Connettore Femmina GAS Conico

BSPT Female Connector



Connects Fractional Tubes

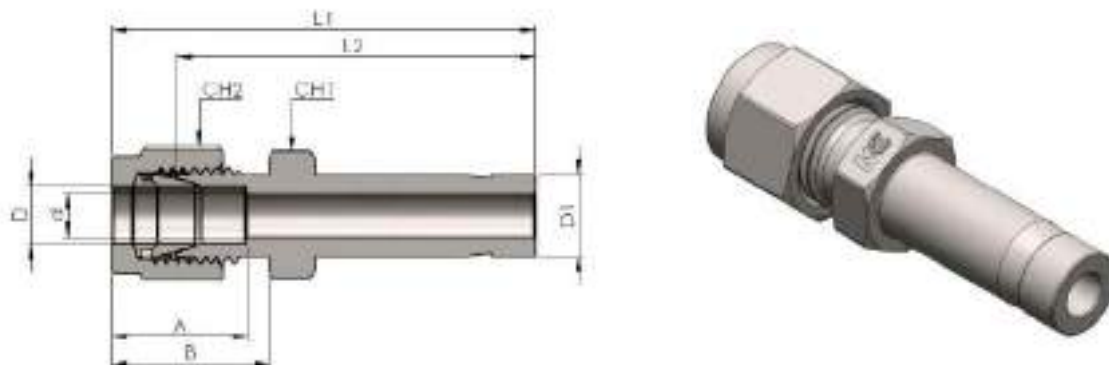
Codice Part Number	D		T (BSPT)	d	CH1		CH2		A	B	L1	L2
	in	mm			in	mm	in	mm				
SUBSPTF0202	1/8	3,17	1/8	2,28	9/16	14,28	7/16	11,11	12,70	15,24	28,70	22,09
SUBSPTF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,28	15,24	17,78	31,24	23,87
SUBSPTF0404	1/4	6,35	1/4	4,82	3/4	19,05	9/16	14,28	15,24	17,78	35,81	28,44
SUBSPTF0406	1/4	6,35	3/8	4,82	7/8	22,22	9/16	14,28	15,24	17,78	37,59	30,22
SUBSPTF0408	1/4	6,35	1/2	4,82	1.1/16	26,98	9/16	14,28	15,24	17,78	42,41	35,05
SUBSPTF0604	3/8	9,52	1/4	7,11	3/4	19,05	11/16	17,46	16,76	19,30	37,59	30,22
SUBSPTF0606	3/8	9,52	3/8	7,11	7/8	22,22	11/16	17,46	16,76	19,30	39,11	31,75
SUBSPTF0608	3/8	9,52	1/2	7,11	1.1/16	26,98	11/16	17,46	16,76	19,30	43,94	36,57
SUBSPTF0804	1/2	12,70	1/4	10,41	13/16	20,63	7/8	22,22	22,86	21,84	40,38	30,22
SUBSPTF0806	1/2	12,70	3/8	10,41	7/8	22,22	7/8	22,22	22,86	21,84	41,91	31,75
SUBSPTF0808	1/2	12,70	1/2	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	46,73	36,57

Connects Metric Tubes

Codice Part Number	D	T (BSPT)	d	CH1	CH2	A	B	L1	L2
SUBSPTF0302M	3	1/8	2,4	14	11	12,9	15,3	28,7	22,1
SUBSPTF0602M	6	1/8	4,8	14	14	15,3	17,7	31,3	23,9
SUBSPTF0604M	6	1/4	4,8	19	14	15,3	17,7	35,8	28,4
SUBSPTF0606M	6	3/8	4,8	22	14	15,3	17,7	36,9	29,5
SUBSPTF0608M	6	1/2	4,8	27	14	15,3	17,7	42,5	35,1
SUBSPTF0802M	8	1/8	6,4	17	16	16,2	18,6	32,1	24,6
SUBSPTF0804M	8	1/4	6,4	19	16	16,2	18,6	37,0	29,5
SUBSPTF0806M	8	3/8	6,4	2	16	16,2	18,6	37,7	30,2
SUBSPTF0808M	8	1/2	6,4	27	16	16,2	18,6	43,3	35,8
SUBSPTF1002M	10	1/8	7,9	19	19	17,2	19,5	33,0	25,4
SUBSPTF1004M	10	1/4	7,9	19	19	17,2	19,5	37,8	30,2
SUBSPTF1006M	10	3/8	7,9	22	19	17,2	19,5	38,6	31,0
SUBSPTF1008M	10	1/2	7,9	27	19	17,2	19,5	44,2	36,6
SUBSPTF1202M	12	1/8	9,5	22	22	22,8	22,0	38,5	28,4
SUBSPTF1204M	12	1/4	9,5	22	22	22,8	22,0	40,3	30,2
SUBSPTF1206M	12	3/8	9,5	22	22	22,8	22,0	41,1	31,0
SUBSPTF1208M	12	1/2	9,5	27	22	22,8	22,0	46,7	36,6
SUBSPTF1212M	12	3/4	9,5	36	22	22,8	22,0	49,0	38,9
SUBSPTF1506M	15	3/8	11,9	27	26	24,4	22,0	41,9	36,6
SUBSPTF1508M	15	1/2	11,9	27	26	24,4	22,0	46,7	36,6
SUBSPTF2008M	20	1/2	15,9	30	32	26,0	22,0	47,9	37,8
SUBSPTF2012M	20	3/4	15,9	36	32	26,0	22,0	49,7	39,6
SUBSPTF2212M	22	3/4	18,3	36	32	26,0	22,0	49,7	39,6
SUBSPTF2216M	22	1	18,3	41	32	26,0	22,0	57,9	47,8
SUBSPTF2512M	25	3/4	21,8	35	38	31,3	26,5	53,4	41,1
SUBSPTF2516M	25	1	21,8	41	38	31,3	26,5	62,3	50,0

Adattatore Riduttore

Reducer Adapter



Connects Fractional Tubes

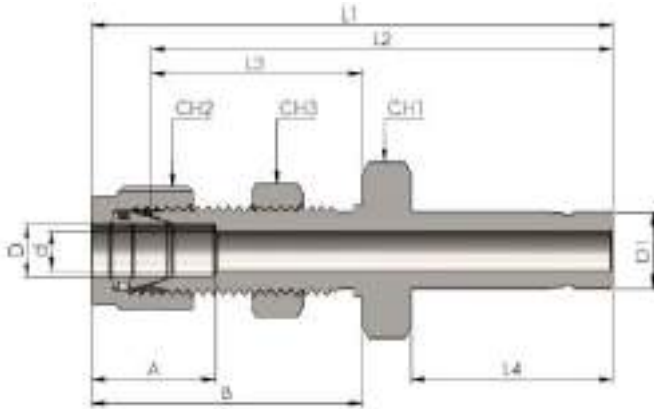
Codice Part Number	D		D1		d	CH1		CH2		A	B	L1	L2
	in	mm	in	mm		in	mm	in	mm				
SUCN0102	1/16	1,58	1/8	3,17	1,27	5/16	7,93	5/16	7,93	8,63	10,92	29,21	25,40
SUCN0104	1/16	1,58	1/4	6,35	1,27	5/16	7,93	5/16	7,93	8,63	10,92	31,49	27,68
SUCN0201	1/8	3,17	1/16	1,58	0,76	7/16	11,11	7/16	11,11	12,70	15,24	28,95	22,35
SUCN0203	1/8	3,17	3/16	3,17	2,03	7/16	11,11	7/16	11,11	12,70	15,24	33,52	26,92
SUCN0204	1/8	3,17	1/4	4,76	2,28	7/16	11,11	7/16	11,11	12,70	15,24	34,29	27,68
SUCN0206	1/8	3,17	3/8	6,35	2,28	7/16	11,11	7/16	11,11	12,70	15,24	36,06	29,46
SUCN0208	1/8	3,17	1/2	9,52	2,28	9/16	14,28	7/16	11,11	12,70	15,24	37,59	30,98
SUCN0302	3/16	4,76	1/4	12,70	2,28	7/16	11,11	1/2	12,70	13,71	16,00	44,19	37,59
SUCN0304	3/16	4,76	1/4	3,17	2,03	7/16	11,11	1/2	12,70	13,71	16,00	34,79	28,19
SUCN0402	1/4	6,35	1/8	6,35	3,04	9/16	14,28	9/16	14,28	15,24	17,78	37,08	30,48
SUCN0403	1/4	6,35	3/16	3,17	2,03	9/16	14,28	9/16	14,28	15,24	17,78	36,83	29,46
SUCN0404	1/4	6,35	1/4	4,76	3,04	9/16	14,28	9/19	14,28	15,24	17,78	37,59	30,22
SUCN0405	1/4	6,35	5/16	6,35	4,32	9/16	14,28	9/16	14,28	15,24	17,78	39,11	31,75
SUCN0406	1/4	6,35	3/8	7,93	4,82	9/16	14,28	9/16	14,28	15,24	17,78	39,87	32,51
SUCN0408	1/4	6,35	1/2	9,52	4,82	9/16	14,28	9/16	14,28	15,24	17,78	40,64	33,27
SUCN0410	1/4	6,35	5/8	12,70	4,82	11/16	17,46	9/16	14,28	15,24	17,78	46,22	38,86
SUCN0412	1/4	6,35	3/4	15,87	4,82	13/16	20,63	9/16	14,28	15,24	17,78	48,00	40,64
SUCN0506	5/16	7,93	3/8	19,05	6,35	9/16	14,28	5/8	15,87	16,25	18,54	47,75	40,38
SUCN0508	5/16	7,93	1/2	12,70	6,35	9/16	14,28	5/8	15,87	16,25	18,54	41,91	34,54
SUCN0604	3/8	9,52	1/4	6,32	4,32	5/8	15,87	11/16	17,46	16,76	19,30	47,49	40,13
SUCN0606	3/8	9,52	3/8	6,86	6,86	5/8	15,87	11/16	17,46	16,76	19,30	41,40	34,03
SUCN0608	3/8	9,52	1/2	12,70	7,11	5/8	15,87	11/16	17,46	16,76	19,30	43,18	35,81
SUCN0610	3/8	9,52	5/8	15,87	7,11	11/16	17,46	11/16	17,46	16,76	19,30	48,51	41,14
SUCN0612	3/8	9,52	3/4	19,05	7,11	13/16	20,63	11/16	17,46	16,76	19,30	50,29	42,92
SUCN0804	1/2	12,70	1/4	6,35	4,32	13/16	20,63	7/8	22,22	22,86	21,84	44,95	42,92
SUCN0806	1/2	12,70	3/8	9,52	6,86	13/16	20,63	7/8	22,22	22,86	21,84	46,73	34,79
SUCN0808	1/2	12,70	1/2	12,70	9,40	13/16	20,63	7/8	22,22	22,86	21,84	52,32	36,57
SUCN0810	1/2	12,70	5/8	15,87	10,41	13/16	20,63	7/8	22,22	22,86	21,84	53,84	42,16
SUCN0812	1/2	12,70	3/4	19,05	10,41	13/16	20,63	7/8	22,22	22,86	21,84	53,84	43,68
SUCN0816	1/2	12,70	1	25,40	10,41	1.1/16	26,98	7/8	22,22	22,86	21,84	60,19	43,68
SUCN1012	5/8	15,87	3/4	19,05	12,70	15/16	23,81	1	25,40	24,38	21,84	54,61	50,03
SUCN1014	5/8	15,87	7/8	22,22	12,70	15/16	23,81	1	25,40	24,38	21,84	56,13	44,45
SUCN1016	5/8	15,87	1	25,40	12,70	1.1/16	26,98	1	25,40	24,38	21,84	60,96	45,97
SUCN1208	3/4	19,05	1/2	12,70	9,40	1.1/16	26,98	1.1/8	28,57	24,38	21,84	54,61	50,80
SUCN1216	3/4	19,05	1	25,40	15,74	1.1/16	26,98	1.1/8	28,57	24,38	21,84	62,48	52,32
SUCN1620	1	25,4	1.1/4	31,75	22,35	1.3/8	34,92	1.1/2	38,10	31,24	26,41	80,51	68,32
SUCN1624	1	25,4	1.1/2	38,10	22,35	1.5/8	41,27	1.1/2	38,10	31,24	26,41	89,15	76,96
SUCN1632	1	25,4	2	50,80	22,35	2.1/8	53,97	1.1/2	38,10	31,24	26,41	112,52	100,33
SUCN2024	1.1/4	31,75	1.1/2	38,10	27,68	1.7/8	47,62	2.1/4	57,15	41,14	38,86	104,14	82,04
SUCN2032	1.1/4	31,75	2	50,80	27,68	1.7/8	47,62	3	76,20	41,14	38,86	125,22	103,12
SUCN2432	1.1/2	38,10	2	50,80	34,03	2.1/4	57,15	3	76,20	50,03	45,21	134,31	104,14

Connects Metric Tubes

Codice Part Number	D	D1	d	CH1	CH2	A	B	L1	L2
SUCN0203M	2	3	1,7	12	11	12,9	15,3	33,5	26,9
SUCN0304M	3	4	2,2	12	11	12,9	15,3	35,0	28,4
SUCN0306M	3	6	2,4	12	12	12,9	15,3	36,1	29,5
SUCN0310M	3	10	2,4	12	12	12,9	15,3	38,4	31,8
SUCN0406M	4	6	2,4	12	14	13,7	16,1	37,1	30,5
SUCN0603M	6	3	1,9	14	14	15,3	17,7	36,9	29,5
SUCN0608M	6	8	4,8	14	14	15,3	17,7	39,9	32,5
SUCN0610M	6	10	4,8	14	14	15,3	17,7	40,7	33,3
SUCN0612M	6	12	4,8	14	14	15,3	17,7	46,3	38,9
SUCN0806M	8	6	4,1	17	16	16,2	18,6	40,3	32,8
SUCN0810M	8	10	6,4	17	16	16,2	18,6	42,0	34,5
SUCN0812M	8	12	6,4	17	16	16,2	18,6	47,6	40,1
SUCN1006M	10	6	4,1	19	19	17,2	19,5	42,4	34,8
SUCN1012M	10	12	7,9	19	19	17,2	19,5	49,8	42,2
SUCN1015M	10	15	7,9	19	19	17,2	19,5	51,3	43,7
SUCN1018M	10	18	7,9	19	19	17,2	19,5	51,3	43,7
SUCN1206M	12	6	4,1	22	22	22,8	22,0	44,9	34,8
SUCN1210M	12	10	7,1	22	22	22,8	22,0	46,7	36,6
SUCN1216M	12	16	9,5	22	22	22,8	22,0	53,8	43,7
SUCN1218M	12	18	9,5	22	22	22,8	22,0	53,8	43,7
SUCN1220M	12	20	9,5	22	22	22,8	22,0	56,1	46,0
SUCN1222M	12	22	9,5	24	22	22,8	22,0	56,1	46,0
SUCN1225M	12	25	9,5	27	22	22,8	22,0	62,4	52,3
SUCN1612M	16	12	8,8	24	25	24,4	22,0	53,0	42,9
SUCN1812M	18	12	8,8	27	30	24,4	22,0	54,6	44,5
SUCN1816M	18	16	12,0	27	30	24,4	22,0	56,1	46,0
SUCN1820M	18	20	15,1	27	30	24,4	22,0	57,6	47,5
SUCN1822M	18	22	15,1	27	30	24,4	22,0	57,6	47,5
SUCN1825M	18	25	15,1	27	30	24,4	22,0	62,4	52,3
SUCN2016M	20	16	12,0	30	32	26,0	22,0	57,9	47,8
SUCN2018M	20	18	13,9	30	32	26,0	22,0	57,9	47,8
SUCN2022M	20	22	15,8	30	32	26,0	22,0	59,4	49,3
SUCN2025M	20	25	15,8	30	32	26,0	22,0	64,2	54,1
SUCN2218M	22	18	13,9	30	32	26,0	22,0	57,9	47,8
SUCN2220M	22	20	15,1	30	32	26,0	22,0	59,4	49,3
SUCN2225M	22	25	18,3	30	32	26,0	22,0	64,2	54,1
SUCN2518M	25	18	13,9	35	38	31,3	26,5	63,1	50,8
SUCN2520M	25	20	15,5	35	38	31,3	26,5	64,6	52,3

Adattatore passaparete

Bulkhead Adaptor

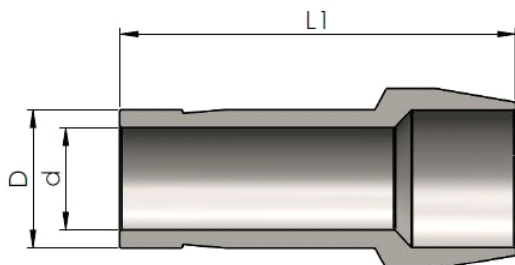


Connects Fractional Tubes

Codice Part Number	D, D1		d	CH1,CH3		CH2		A	B	L1	L2	L3	L4
	in	mm		in	mm	in	mm						
SUBKCN0202	1/8	3,17	2,03	9/16	14,28	7/16	11,11	12,70	31,24	49,53	42,92	24,63	13,46
SUBKCN0404	1/4	6,35	4,32	5/8	15,87	9/16	14,28	15,24	33,52	55,88	48,51	26,16	15,74
SUBKCN0606	3/8	9,52	6,86	3/4	19,05	11/16	17,46	16,76	36,83	61,21	53,84	29,46	17,52
SUBKCN0808	1/2	12,70	9,40	15/16	23,81	7/8	22,22	22,86	41,91	72,89	62,73	31,75	23,11
SUBKCN1010	5/8	15,87	11,94	1.1/16	26,98	1	25,40	24,38	42,67	75,18	65,02	32,51	24,70
SUBKCN1616	1	25,40	20,32	1.5/8	41,27	1.1/2	38,10	31,24	57,40	100,33	88,13	45,21	31,70

Inserto di Collegamento

Port Connector



Connects Fractional Tubes

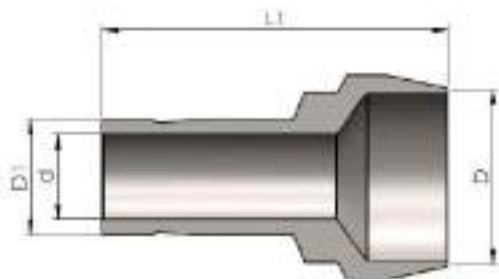
Codice Part Number	D		d	L1
	in	mm		
PC01	1/16	1,58	0,76	13,72
PC02	1/8	3,17	2,03	22,35
PC04	1/4	6,35	4,32	24,89
PC05	5/16	7,93	5,59	25,91
PC06	3/8	9,52	6,86	26,67
PC08	1/2	12,70	9,40	36,32
PC12	3/4	19,05	14,73	37,85
PC16	1	25,40	20,32	49,28

Connects Metric Tubes

Codice Part Number	D	d	L1
PC03M	3	1,9	22,20
PC04M	4	2,2	23,21
PC06M	6	4,1	25,00
PC08M	8	5,6	26,00
PC10M	10	7,1	27,10
PC12M	12	8,8	36,20
PC15M	15	11,2	37,80
PC16M	16	12,0	37,80
PC18M	18	13,9	37,80
PC20M	20	15,5	39,40
PC22M	22	16,1	38,97
PC25M	25	19,9	49,30
PC28M	28	22,5	63,50
PC32M	32	26,5	69,70
PC38M	38	31,6	81,90

Inserto Riduttore di Collegamento

Reducing Port Connector



Connects Fractional Tubes

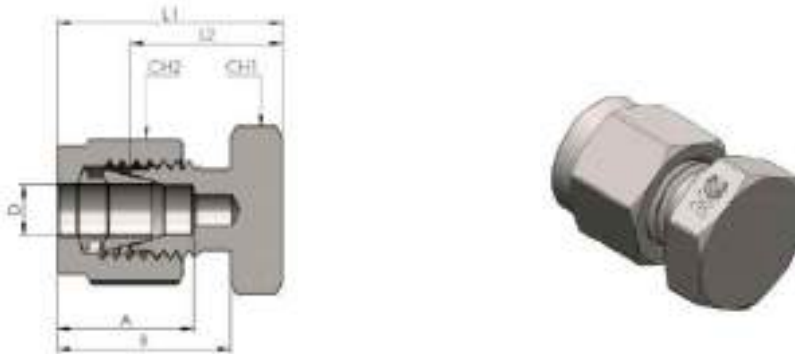
Codice Part Number	D		D1		d	L1
	in	mm	in	mm		
RPC0201	1/8	3,17	1/16	1,58	0,76	18,30
RPC0401	1/4	6,35	1/16	1,58	0,76	19,05
RPC0402	1/4	6,35	1/8	3,17	2,03	22,86
RPC0602	3/8	9,52	1/8	3,17	2,03	23,37
RPC0604	3/8	9,52	1/4	6,35	4,32	25,40
RPC0804	1/2	12,70	1/4	6,35	4,32	29,72
RPC0806	1/2	12,70	3/8	9,52	6,86	30,73
RPC1208	3/4	19,05	1/2	12,70	9,40	37,85
RPC1608	1	25,40	1/2	12,70	9,40	42,93
RPC1612	1	25,40	3/4	19,05	14,73	43,69

Connects Metric Tubes

Codice Part Number	D	D1	d	L1
RPC0603M	6	3	1,9	22,90
RPC0806M	8	6	4,1	25,40
RPC1006M	10	6	4,1	25,80
RPC1008M	10	8	5,6	26,30
RPC1206M	12	6	4,1	29,60
RPC1208M	12	8	5,6	30,10
RPC1210M	12	10	7,1	30,60
RPC1606M	16	6	4,1	29,37
RPC1612M	16	12	8,8	37,50
RPC2825M	28	25	19,9	56,50
RPC3225M	32	25	19,9	60,30
RPC3825M	38	25	19,9	65,80

Tappo per tubo

Cap End for Tube



Connects Fractional Tubes

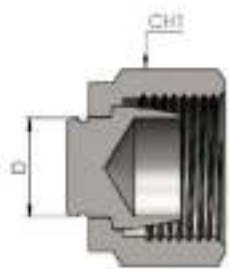
Codice Part Number	D		CH1		CH2		A	B	L1	L2
	in	mm	in	mm	in	mm				
CAP01	1/16	1,58	5/16	7,94	5/16	7,94	8,63	10,92	14,18	11,20
CAP02	1/8	3,17	7/16	11,11	7/16	11,11	12,70	15,24	20,06	13,46
CAP03	3/16	4,76	7/16	11,11	1/2	12,70	13,71	16,00	21,33	14,73
CAP04	1/4	6,35	9/16	14,28	9/16	14,28	15,24	17,78	23,26	16,00
CAP05	5/16	7,93	9/16	14,28	5/8	15,87	16,25	18,54	24,38	17,01
CAP06	3/8	9,52	5/8	15,87	11/16	17,46	16,76	19,30	25,65	18,28
CAP08	1/2	12,70	13/16	20,63	7/8	22,22	22,86	21,84	29,21	19,05
CAP10	5/8	15,87	15/16	23,81	1	25,40	24,38	21,84	29,97	19,81
CAP12	3/4	19,05	1.1/16	26,98	1.1/8	28,57	24,38	21,84	31,49	21,33
CAP14	7/8	22,22	1.3/16	30,16	1.1/4	31,75	25,90	21,84	34,03	23,87
CAP16	1	25,40	1.3/8	34,92	1.1/2	38,10	31,24	26,41	38,35	26,16
CAP20	1.1/4	31,75	1.3/4	44,45	1.7/8	47,62	41,14	38,86	53,34	31,24
CAP24	1.1/2	38,10	2.1/8	53,97	2.1/4	57,15	50,03	45,21	64,51	37,33
CAP32	2	50,80	2.3/4	69,85	3	76,20	76,20	62,73	86,61	49,27

Connects Metric Tubes

Codice Part Number	D	CH1	CH2	A	B	L1	L2
CAP02M	2	12	12	12,9	15,3	20,1	13,5
CAP03M	3	12	12	12,9	15,3	20,1	13,5
CAP04M	4	12	12	13,7	16,1	21,3	14,7
CAP06M	6	14	14	15,3	17,7	23,1	15,7
CAP08M	8	17	17	16,2	18,6	24,5	17,0
CAP10M	10	19	19	17,2	19,5	26,6	19,0
CAP12M	12	22	22	22,8	22,0	29,1	19,0
CAP15M	15	24	26	24,4	22,0	29,9	19,8
CAP16M	16	24	26	24,4	22,0	29,9	19,8
CAP18M	18	27	30	24,4	22,0	31,4	21,3
CAP20M	20	30	32	26,0	22,0	34,0	23,9
CAP22M	22	30	32	26,0	22,0	34,0	23,9
CAP25M	25	36	38	31,3	26,5	38,5	26,2
CAP28M	28	41	46	36,6	36,6	48,5	27,7
CAP32M	32	46	50	42,0	41,6	55,8	32,8
CAP38M	38	55	60	49,4	47,9	65,4	37,8

Tappo per raccordo

Plug



Connects Fractional Tubes

Codice Part Number	D		CH1	
	in	mm	in	mm
PLUG01	1/16	1,58	5/16	7,94
PLUG2	1/8	3,17	7/16	11,11
PLUG3	3/16	4,76	1/2	12,70
PLUG4	1/4	6,35	9/16	14,28
PLUG5	5/16	7,93	5/8	15,87
PLUG6	3/8	9,52	11/16	17,46
PLUG8	1/2	12,70	7/8	22,22
PLUG10	5/8	15,87	1	25,40
PLUG12	3/4	19,05	1.1/8	28,57
PLUG14	7/8	22,22	1.1/4	31,75
PLUG16	1	25,40	1.1/2	38,10
PLUG20	1.1/4	31,75	1.7/8	47,62
PLUG24	1.1/2	38,10	2.1/4	57,15
PLUG32	2	50,80	3	76,20

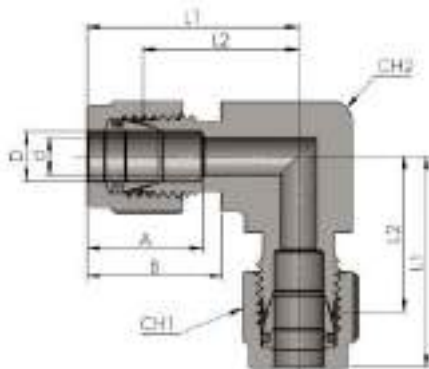
Connects Metric Tubes

Codice Part Number	D	CH1
PLUG02M	2	12
PLUG03M	3	12
PLUG04M	4	12
PLUG06M	6	14
PLUG08M	8	17
PLUG10M	10	19
PLUG12M	12	22
PLUG15M	15	26

Codice Part Number	D	CH1
PLUG16M	16	26
PLUG18M	18	30
PLUG20M	20	32
PLUG22M	22	32
PLUG25M	25	38
PLUG28M	28	46
PLUG32M	32	50
PLUG38M	38	60

Gomito Intermedio

Union Elbow



Connects Fractional Tubes

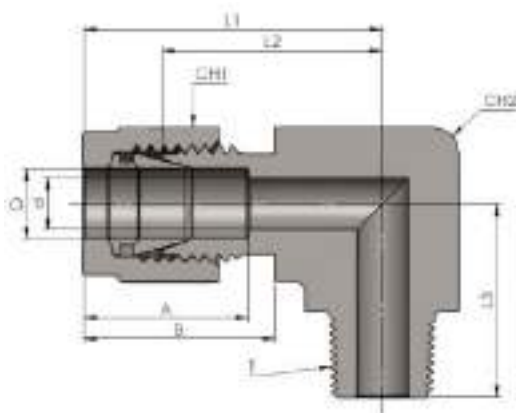
Codice Part Number	D		d	CH1		CH2		A	B	L1	L2
	in	mm		in	mm	in	mm				
LU01	1/16	1,58	1,27	5/16	7,93	7/16	11,11	8,63	10,92	17,88	14,00
LU02	1/8	3,17	2,28	7/16	11,11	7/16	11,11	12,70	15,24	22,35	15,74
LU03	3/16	4,76	3,04	1/2	12,70	7/16	11,11	13,71	16,00	24,38	17,78
LU04	1/4	6,35	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,05
LU05	5/16	7,93	6,35	5/8	15,87	9/16	14,29	16,25	18,54	28,70	21,33
LU06	3/8	9,52	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11
LU08	1/2	12,70	10,41	7/8	22,22	11/16	17,46	22,86	21,84	36,06	25,90
LU10	5/8	15,87	12,70	1	25,40	13/16	20,64	24,38	21,84	38,80	28,70
LU12	3/4	19,05	15,74	1.1/8	28,57	15/16	23,81	24,38	21,84	39,87	29,71
LU14	7/8	22,22	18,28	1.1/4	31,75	1.1/16	26,99	25,90	21,84	44,70	34,54
LU16	1	25,40	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83
LU20	1.1/4	31,75	27,68	1.7/8	47,62	1.11/16	42,86	41,14	38,86	66,54	44,50
LU24	1.1/2	38,10	34,03	2.1/4	57,15	2	50,80	50,03	45,21	77,97	50,80
LU32	2	50,80	45,97	3	76,20	2.3/4	69,85	67,56	62,73	107,18	59,80

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2		A	B	L1	L2
				in	mm				
LU02M	2	1,70	11	3/8	10	12,9	15,3	22,3	15,7
LU03M	3	2,40	12	3/8	10	12,9	15,3	22,3	15,7
LU04M	4	2,40	12	1/2	12	13,7	16,1	25,4	18,8
LU06M	6	4,80	14	1/2	16	15,3	17,7	27,0	19,6
LU08M	8	6,40	16	9/16	20	16,2	18,6	28,8	21,3
LU10M	10	7,90	19	11/16	24	17,2	19,5	31,5	23,9
LU12M	12	9,50	22	13/16	26	22,8	22,0	36,0	25,9
LU15M	15	11,90	25	15/16	29	24,4	22,0	38,8	28,7
LU16M	16	12,70	25	15/16	35	24,4	22,0	38,8	28,7
LU18M	18	15,10	30	1.1/16	35	24,4	22,0	39,8	29,7
LU20M	20	15,90	32	1.3/8	35	26,0	22,0	42,6	32,5
LU22M	22	18,30	32	1.3/8	35	26,0	22,0	42,6	32,5
LU25M	25	21,80	38	1.3/8	35	31,3	26,5	49,1	36,8
LU28M	28	21,80	46	41	41	36,6	36,6	64,0	43,2
LU32M	32	28,60	50	46	46	42,0	41,6	72,3	49,3
LU38M	38	33,70	60	55	55	49,4	47,9	84,0	56,4
LU42M	42	36,00	65	2.3/4	70	65,0	53,6	89,1	58,0

Connettore a Gomito Maschio NPT

NPT Male Elbow



Connects Fractional Tubes

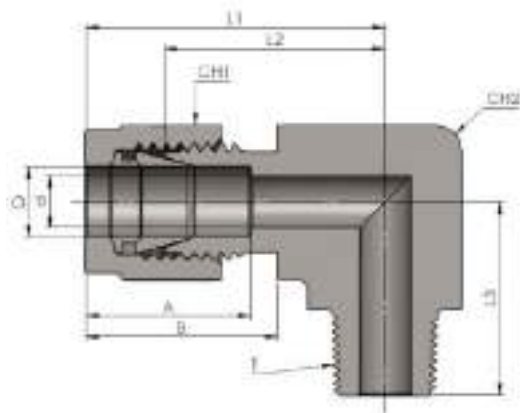
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
LUNPT0101	1/16	1,58	1/16	1,27	5/16	7,93	7/16	11,11	8,63	10,92	19,05	15,24	17,78
LUNPT0102	1/16	1,58	1/8	1,27	5/16	7,93	7/16	11,11	8,63	10,92	19,05	15,24	17,78
LUNPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	24,91	18,30	18,90
LUNPT0204	1/8	3,17	1/4	2,28	7/16	11,11	7/16	11,11	12,70	15,24	24,91	18,30	23,36
LUNPT0302	3/16	4,76	1/8	3,04	1/2	12,70	9/16	14,29	13,71	16,00	25,40	18,79	18,79
LUNPT0304	3/16	4,76	1/4	3,04	1/2	12,70	7/16	11,11	13,71	16,00	25,40	18,79	23,36
LUNPT0401	1/4	6,35	1/16	3,04	9/16	14,28	9/16	14,29	15,24	17,78	26,90	19,55	18,79
LUNPT0402	1/4	6,35	1/8	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,47	19,10	19,10
LUNPT0404	1/4	6,35	1/4	4,82	9/16	14,28	7/16	11,11	15,24	17,78	27,18	19,81	23,87
LUNPT0406	1/4	6,35	3/8	4,82	9/16	14,28	13/16	20,64	15,24	17,78	29,71	22,35	28,40
LUNPT0408	1/4	6,35	1/2	4,82	9/16	14,28	15/16	23,81	15,24	17,78	31,97	24,60	33,00
LUNPT0502	5/16	7,93	1/8	4,82	5/8	15,87	15/16	23,81	16,25	18,54	28,70	21,33	19,81
LUNPT0504	5/16	7,93	1/4	6,35	5/8	15,87	9/16	14,29	16,25	18,54	29,77	22,40	24,50
LUNPT0506	5/16	7,93	3/8	6,35	5/8	15,87	13/16	20,64	16,25	18,54	30,48	23,11	28,40
LUNPT0602	3/8	9,52	1/8	4,82	11/16	17,46	7/16	11,11	16,76	19,30	30,48	23,11	20,80
LUNPT0604	3/8	9,52	1/4	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11	25,40
LUNPT0606	3/8	9,52	3/8	7,11	11/16	17,46	13/16	20,64	16,76	19,30	31,24	23,87	28,44
LUNPT0608	3/8	9,52	1/2	7,11	11/16	17,46	15/16	23,81	16,76	19,30	31,42	23,80	33,02
LUNPT0612	3/8	9,52	3/4	7,11	11/16	17,46	1.1/16	26,99	16,76	19,30	37,08	29,71	36,83
LUNPT0804	1/2	12,70	1/4	7,11	7/8	22,22	11/16	17,46	22,86	21,84	36,06	25,90	28,30
LUNPT0806	1/2	12,70	3/8	9,65	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	28,30
LUNPT0808	1/2	12,70	1/2	10,41	7/8	22,22	15/16	23,81	22,86	21,84	36,06	25,90	33,02
LUNPT0812	1/2	12,70	3/4	10,41	7/8	22,22	1.1/16	26,99	22,86	21,84	39,87	29,71	36,83
LUNPT1006	5/8	15,87	3/8	9,65	1	25,40	13/16	20,64	24,38	21,84	37,06	27,90	30,20
LUNPT1008	5/8	15,87	1/2	11,93	1	25,40	1.1/16	26,99	24,38	21,84	37,06	27,90	35,00
LUNPT1012	5/8	15,87	3/4	12,70	1	25,40	1.1/16	26,99	24,38	21,84	39,87	29,71	36,83
LUNPT1208	3/4	19,05	1/2	11,93	1.1/8	28,57	1.1/16	26,99	24,38	21,84	39,87	29,71	36,83
LUNPT1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.1/16	26,99	24,38	21,84	39,87	29,71	36,83
LUNPT1412	7/8	22,22	3/4	15,74	1.1/4	31,75	1.3/8	34,93	25,90	21,84	44,70	34,54	41,65
LUNPT1612	1	25,40	3/4	15,74	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83	42,20
LUNPT1616	1	25,40	1	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83	46,70
LUNPT2020	1.1/4	31,75	1.1/4	27,68	1.7/8	47,62	1.11/16	42,86	41,14	38,86	66,54	44,50	47,75
LUNPT2424	1.1/2	38,10	1.1/2	34,03	2.1/4	57,15	2	50,80	50,03	45,21	77,97	50,80	60,45
LUNPT3232	2	50,80	2	45,97	3	76,20	2.3/4	69,85	67,56	62,73	107,18	69,80	70,61

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2		A	B	L1	L2	L3
					in	Mm					
LUNPT0302M	3	1/8	2,40	12	7/16	12	12,9	15,3	26,3	17,0	17,8
LUNPT0304M	3	1/4	2,40	14	1/2	12	12,9	15,3	24,6	18,0	23,4
LUNPT0402M	4	1/8	2,40	12	1/2	12	13,7	16,1	25,4	18,8	18,8
LUNPT0404M	4	1/4	2,40	14	1/2	12	13,7	16,1	25,4	18,8	23,4
LUNPT0602M	6	1/8	4,80	14	1/2	12	15,3	17,7	27,0	19,6	18,8
LUNPT0604M	6	1/8	4,80	14	1/2	12	15,3	17,7	27,0	19,6	23,4
LUNPT0606M	6	3/8	4,80	19	11/16	17	15,3	17,7	29,8	22,4	26,2
LUNPT0608M	6	1/2	4,80	22	13/16	22	15,3	17,7	31,8	24,4	33,0
LUNPT0802M	8	1/8	4,80	16	9/16	14	16,2	18,6	28,8	21,3	19,8
LUNPT0804M	8	1/4	6,40	16	9/16	14	16,2	18,6	28,8	21,3	24,4
LUNPT0806M	8	3/8	6,40	19	11/16	17	16,2	18,6	31,4	23,9	28,5
LUNPT0808M	8	1/2	6,40	22	13/16	22	16,2	18,6	32,6	25,1	33,0
LUNPT1002M	10	1/8	4,80	19	11/16	17	17,2	19,5	31,5	23,9	23,6
LUNPT1004M	10	1/4	7,10	19	11/16	17	17,2	19,5	31,5	23,9	26,2
LUNPT1006M	10	3/8	7,10	19	11/16	17	17,2	19,5	31,5	23,9	26,2
LUNPT1008M	10	1/2	7,10	22	13/16	22	17,2	19,5	33,5	25,9	33,0
LUNPT1202M	12	1/8	4,80	22	13/16	22	22,8	22,0	36,0	25,9	23,6
LUNPT1204M	12	1/4	7,10	22	13/16	22	22,8	22,0	36,0	25,9	26,2
LUNPT1206M	12	3/8	9,50	22	13/16	22	22,8	22,0	36,0	25,9	26,2
LUNPT1208M	12	1/2	9,50	22	1.1/16	27	22,8	22,0	36,0	25,9	33,
LUNPT1212M	12	3/4	9,50	27	15/16	24	22,8	22,0	39,8	29,7	36,8
LUNPT1606M	16	3/8	9,50	24	15/16	24	24,4	22,0	38,0	27,9	30,2
LUNPT1608M	16	1/2	11,90	24	15/16	24	24,4	22,0	38,0	27,9	35,1
LUNPT1612M	16	3/4	12,70	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUNPT1808M	18	1/2	11,90	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUNPT1812M	18	3/4	15,1	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUNPT2008M	20	1/2	11,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUNPT2012M	20	3/4	15,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUNPT2212M	22	3/4	15,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUNPT2216M	22	1	18,30	36	1.3/8	35	26,0	22,0	44,6	34,5	46,5
LUNPT2512M	25	3/4	15,90	36	1.3/8	35	31,3	26,5	49,1	36,8	41,7
LUNPT2516M	25	1	21,80	36	1.3/8	35	31,3	26,5	49,1	36,8	46,5

Connettore a Gomito Maschio GAS Conico

BSPT Male Elbow



Connects Fractional Tubes

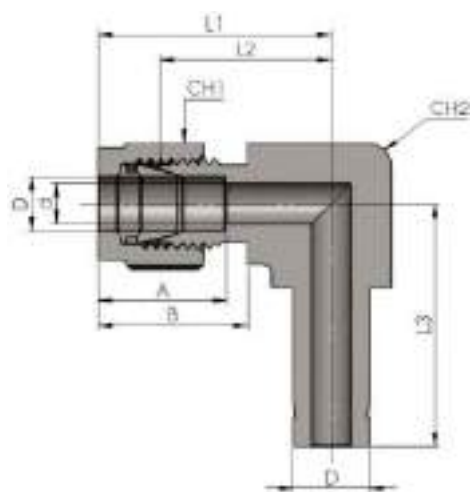
Codice Part Number	D		T (BSPT)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
LUBSPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	24,91	18,30	18,90
LUBSPT0204	1/8	3,17	1/4	2,28	7/16	11,11	9/16	14,29	12,70	15,24	24,91	18,30	23,36
LUBSPT0402	1/4	6,35	1/8	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,47	19,10	19,10
LUBSPT0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,29	15,24	17,78	27,18	19,81	23,87
LUBSPT0406	1/4	6,35	3/8	4,82	9/16	14,28	13/16	20,64	15,24	17,78	29,71	22,35	28,40
LUBSPT0408	1/4	6,35	1/2	4,82	9/16	14,28	15/16	23,81	15,24	17,78	31,97	24,60	33,00
LUBSPT0504	5/16	7,93	1/4	6,35	5/8	15,87	9/16	14,29	16,25	18,54	29,77	22,40	24,50
LUBSPT0602	3/8	9,52	1/8	4,82	11/16	17,46	7/16	11,11	16,76	19,30	30,48	23,11	20,80
LUBSPT0604	3/8	9,52	1/4	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11	25,40
LUBSPT0606	3/8	9,52	3/8	7,11	11/16	17,46	13/16	20,64	16,76	19,30	31,24	23,87	28,44
LUBSPT0804	1/2	12,70	1/4	7,11	7/8	22,22	11/16	17,46	22,86	21,84	36,06	25,90	28,30
LUBSPT0806	1/2	12,70	3/8	9,65	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	28,30
LUBSPT0808	1/2	12,70	1/2	10,41	7/8	22,22	15/16	23,81	22,86	21,84	36,06	25,90	33,02
LUBSPT1208	3/4	19,05	1/2	11,93	1.1/8	28,57	1.1/16	26,99	24,38	21,84	39,87	29,71	36,83
LUBSPT1616	1	25,40	1	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83	46,70

Connects Metric Tubes

Codice Part Number	D	T (BSPT)	d	CH1	CH2		A	B	L1	L2	L3
					in	Mm					
LUBSPT0302M	3	1/8	2,40	12	7/16	12	12,9	15,3	26,3	17,0	17,8
LUBSPT0304M	3	1/4	2,40	14	1/2	12	12,9	15,3	24,6	18,0	23,4
LUBSPT0402M	4	1/8	2,40	12	1/2	12	13,7	16,1	25,4	18,8	18,8
LUBSPT0404M	4	1/4	2,40	14	1/2	12	13,7	16,1	25,4	18,8	23,4
LUBSPT0602M	6	1/8	4,80	14	1/2	12	15,3	17,7	27,0	19,6	18,8
LUBSPT0604M	6	1/8	4,80	14	1/2	12	15,3	17,7	27,0	19,6	23,4
LUBSPT0606M	6	3/8	4,80	19	11/16	17	15,3	17,7	29,8	22,4	26,2
LUBSPT0608M	6	1/2	4,80	22	13/16	22	15,3	17,7	31,8	24,4	33,0
LUBSPT0802M	8	1/8	4,80	16	9/16	14	16,2	18,6	28,8	21,3	19,8
LUBSPT0804M	8	1/4	6,40	16	9/16	14	16,2	18,6	28,8	21,3	24,4
LUBSPT0806M	8	3/8	6,40	19	11/16	17	16,2	18,6	31,4	23,9	28,5
LUBSPT0808M	8	1/2	6,40	22	13/16	22	16,2	18,6	32,6	25,1	33,0
LUBSPT1002M	10	1/8	4,80	19	11/16	17	17,2	19,5	31,5	23,9	23,6
LUBSPT1004M	10	1/4	7,10	19	11/16	17	17,2	19,5	31,5	23,9	26,2
LUBSPT1006M	10	3/8	7,10	19	11/16	17	17,2	19,5	31,5	23,9	26,2
LUBSPT1008M	10	1/2	7,10	22	13/16	22	17,2	19,5	33,5	25,9	33,0
LUBSPT1202M	12	1/8	4,80	22	13/16	22	22,8	22,0	36,0	25,9	23,6
LUBSPT1204M	12	1/4	7,10	22	13/16	22	22,8	22,0	36,0	25,9	26,2
LUBSPT1206M	12	3/8	9,50	22	13/16	22	22,8	22,0	36,0	25,9	26,2
LUBSPT1208M	12	1/2	9,50	22	1.1/16	27	22,8	22,0	36,0	25,9	33,
LUBSPT1212M	12	3/4	9,50	27	15/16	24	22,8	22,0	39,8	29,7	36,8
LUBSPT1606M	16	3/8	9,50	24	15/16	24	24,4	22,0	38,0	27,9	30,2
LUBSPT1608M	16	1/2	11,90	24	15/16	24	24,4	22,0	38,0	27,9	35,1
LUBSPT1612M	16	3/4	12,70	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUBSPT1808M	18	1/2	11,90	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUBSPT1812M	18	3/4	15,1	27	1.1/16	27	24,4	22,0	39,8	29,7	36,8
LUBSPT2008M	20	1/2	11,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUBSPT2012M	20	3/4	15,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUBSPT2212M	22	3/4	15,90	30	1.3/8	35	26,0	22,0	44,6	34,5	41,7
LUBSPT2216M	22	1	18,30	36	1.3/8	35	26,0	22,0	44,6	34,5	46,5
LUBSPT2512M	25	3/4	15,90	36	1.3/8	35	31,3	26,5	49,1	36,8	41,7
LUBSPT2516M	25	1	21,80	36	1.3/8	35	31,3	26,5	49,1	36,8	46,5

Adattatore a Gomito

Adaptor Elbow



Connects Fractional Tubes

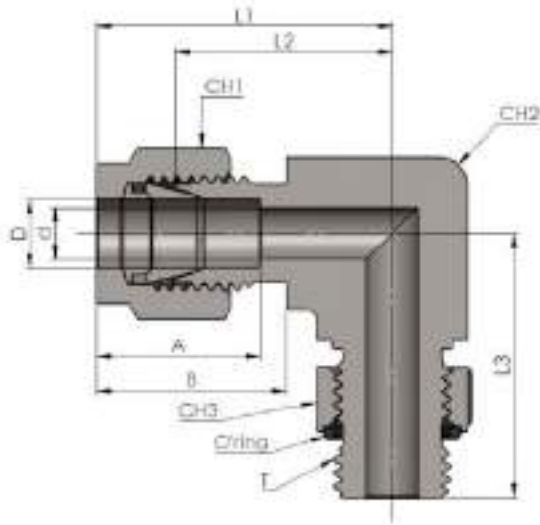
Codice Part Number	D		d	CH1		CH2		A	B	L1	L2	L3
	in	mm		in	mm	in	mm					
LUCN01	1/16	1,58	0,76	5/16	7,93	7/16	11,11	8,63	10,92	22,3	14,00	16,00
LUCN02	1/8	3,17	2,03	7/16	11,11	7/16	11,11	12,70	15,24	22,3	15,74	20,59
LUCN03	3/16	4,76	3,04	1/2	12,70	7/16	11,11	13,71	16,00	25,4	17,78	22,48
LUCN04	1/4	6,35	4,32	9/16	14,28	7/16	11,11	15,24	17,78	27,0	19,55	25,00
LUCN05	5/16	7,93	5,59	5/8	15,87	7/16	11,11	16,25	18,54	28,8	21,33	27,08
LUCN06	3/8	9,52	6,86	11/16	17,46	9/16	14,29	16,76	19,30	31,5	23,11	26,00
LUCN08	1/2	12,70	9,40	7/8	22,22	11/16	17,46	22,86	21,84	36,0	25,90	37,30
LUCN10	5/8	15,87	11,94	1	25,40	13/16	20,64	24,38	21,84	38,8	28,70	41,75
LUCN12	3/4	19,05	14,73	1.1/8	28,57	15/16	23,81	24,38	21,84	38,8	29,71	42,60
LUCN14	7/8	22,22	18,28	1.1/4	31,75	1.1/16	26,99	25,90	21,84	39,8	34,54	49,39
LUCN16	1	25,40	20,32	1.1/2	38,10	1.3/8	34,93	31,24	26,41	42,6	46,83	55,60

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2	A	B	L1	L2	L3
LUCN03M	3	1,9	12	12	12,9	15,3	22,3	15,7	20,5
LUCN04M	4	2,2	12	14	13,7	16,4	25,4	18,8	23,0
LUCN06M	6	4,1	14	14	15,3	17,7	27,0	19,6	25,1
LUCN08M	8	5,6	17	17	16,2	18,6	28,8	21,3	27,2
LUCN10M	10	7,1	19	17	17,2	19,5	31,5	23,9	29,5
LUCN12M	12	8,8	22	22	22,8	22,0	36,	25,9	37,3
LUCN15M	15	11,2	26	24	24,4	22,0	38,8	28,7	41,6
LUCN16M	16	12,0	26	24	24,4	22,0	38,8	28,7	41,8
LUCN18M	18	13,9	30	27	24,4	22,0	39,8	29,7	42,6
LUCN20M	20	15,5	32	33	26,0	22,0	42,6	32,5	67,1
LUCN22M	22	16,1	32	33	26,0	22,0	42,6	32,5	47,2
LUCN25M	25	19,9	38	36	31,3	26,5	49,1	36,8	55,6
LUCN28M	28	22,5	46	41	36,6	36,6	64,0	43,2	65,0

Connettore a Gomito Orientabile

Adjustable Elbow with *o*ring and Special washer



Connects Fractional Tubes to BSP

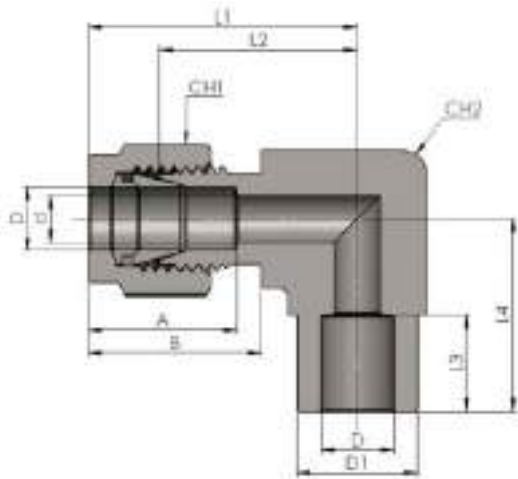
Codice Part Number	D		T (BSP)	d	CH1		CH2		CH3		A	B	L1	L2	L3
	in	mm			in	mm	in	mm	in	mm					
LUADJ0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,28	9/16	14,28	15,24	17,78	26,92	19,68	26,00
LUADJ0406	1/4	6,35	3/8	4,82	9/16	14,28	3/4	19,05	3/4	19,05	15,24	17,78	28,96	21,72	32,00
LUADJ0606	3/8	9,52	3/8	7,11	11/16	17,46	3/4	19,05	3/4	19,05	16,76	19,30	30,48	23,12	32,00
LUADJ0608	3/8	9,52	1/2	7,11	11/16	17,46	15/16	24,81	7/8	22,22	16,76	19,30	33,27	25,91	37,00
LUADJ0808	1/2	12,70	1/2	10,41	7/8	22,22	15/16	24,81	3/4	19,05	22,86	21,84	36,07	22,61	32,00
LUADJ0812	1/2	19,05	3/4	10,41	7/8	22,22	1.1/16	26,98	1.1/16	26,98	22,86	21,84	38,10	24,64	43,00
LUADJ1016	5/8	25,40	1	12,70	1	25,40	1.3/8	34,93	1.1/16	26,98	24,38	21,84	38,10	27,72	43,00
LUADJ1220	3/4	31,75	1.1/4	15,74	1.1/8	28,57	1.11/16	42,86	1.1/16	26,98	24,38	21,84	39,88	29,49	43,00
LUADJ1224	3/4	38,10	1.1/2	15,74	1.1/8	28,57	2	50,80	1.3/8	34,92	24,38	21,84	39,88	29,49	49,00

Connects Metric Tubes to BSP

Codice Part Number	D	T (BSP)	d	CH1	CH2		CH3	A	B	L1	L2	L3
					in	mm						
LUADJ0602M	6	1/8	4,0	14	9/16	14	14	15,3	17,7	27,0	19,6	26,4
LUADJ0604M	6	1/4	4,8	14	3/4	19	19	15,3	17,7	29,0	21,6	32,3
LUADJ0802M	8	1/8	4,0	17	9/16	14	14	16,2	18,6	28,8	21,3	27,4
LUADJ0804M	8	1/4	5,9	17	3/4	19	19	16,2	18,6	29,9	22,4	32,2
LUADJ1004M	10	1/4	5,9	19	3/4	19	19	17,2	19,5	33,5	25,9	35,0
LUADJ1006M	10	3/8	7,9	19	7/8	22	22	17,2	19,5	33,5	25,9	37,1
LUADJ1204M	12	1/4	5,9	22	3/4	19	19	22,8	22,0	36,0	25,9	35,
LUADJ1206M	12	3/8	7,9	22	7/8	22	22	22,8	22,0	36,0	25,9	37,1
LUADJ1208M	12	1/2	9,5	22	1.1/16	27	27	22,8	22,0	38,0	27,9	43,4
LUADJ1212M	12	3/4	9,5	22	1.3/8	35	36	22,8	22,0	39,8	29,7	48,8

Connettore a Gomito con Tasca a Saldare

Socketed Weld Elbow

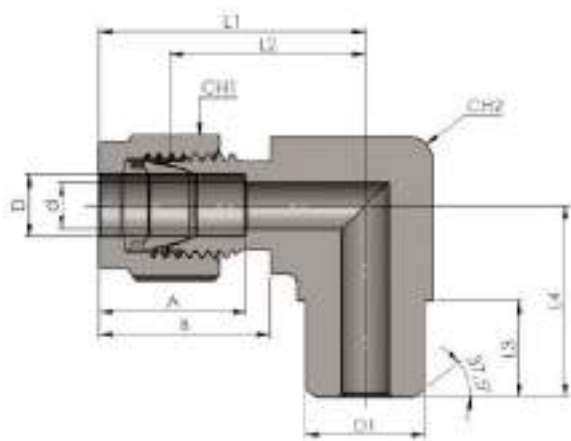


Connects Fractional Tubes

Codice Part Number	D		d	CH1		CH2		A	B	L1	L2	L3	L4
	in	mm		in	mm	in	mm						
LUSW0404	1/4	6,35	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,55	7,87	19,55
LUSW0606	3/8	9,52	7,11	11/16	17,46	9/16	14,28	16,76	19,30	30,48	23,11	9,65	23,11
LUSW0808	1/2	12,70	10,41	7/8	22,22	13/16	20,63	22,86	21,84	36,06	25,90	12,70	25,90
LUSW1212	3/4	19,05	15,74	1.1/8	28,57	1.1/16	26,97	24,38	21,84	39,87	29,71	14,22	29,71
LUSW1616	1	25,40	22,35	1.1/2	38,10	1.3/8	34,92	31,24	26,41	49,01	36,83	19,05	36,83

Connettore a Gomito a Saldare di Testa

Buttweld Elbow

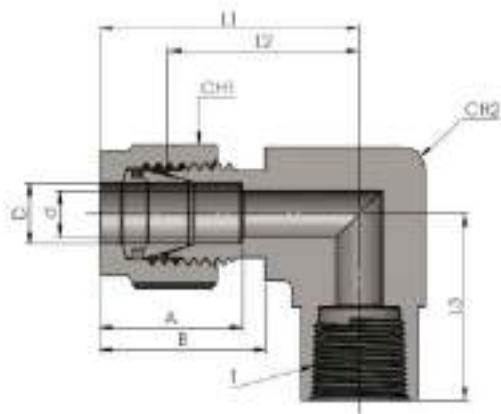


Connects Fractional Tubes

Codice Part Number	D		D1		d	CH1		CH2		A	B	L1	L2	L3	L4
	in	mm	in	mm		in	mm	in	mm						
LUMPW0202	1/8	3,17	1/8	10,29	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,55	9,65	18,79
LUMPW0202	1/4	6,35	1/4	13,72	4,82	9/16	14,28	9/16	14,28	15,24	17,78	26,92	19,55	14,22	23,36
LUMPW0202	3/8	9,52	1/4	13,72	7,11	11/16	17,46	13/16	20,63	16,76	19,30	30,48	23,11	14,22	25,40
LUMPW0202	1/2	12,70	1/2	21,34	10,41	7/8	22,22	1.1/16	26,97	22,86	21,84	36,06	25,90	19,05	33,02
LUMPW0202	3/4	19,05	3/4	26,67	15,74	1.1/8	28,57	1.3/8	34,92	24,38	21,84	39,87	29,71	19,05	36,83

Adattatore a Gomito Femmina NPT

NPT Female Elbow



Connects Fractional Tubes

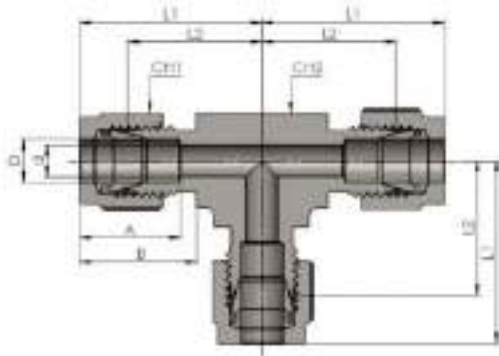
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
LUNPTF0202	1/8	3,17	1/8	2,28	7/16	11,11	9/16	14,29	12,70	15,24	24,63	18,03	19,05
LUNPTF0204	1/8	3,17	1/4	22,8	7/16	11,11	13/16	20,64	12,70	15,24	27,43	20,82	22,35
LUNPTF0302	3/16	4,76	1/8	3,04	1/2	12,70	9/16	14,29	13,71	16,00	25,40	18,79	19,05
LUNPTF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,29	15,24	17,78	26,92	19,55	19,05
LUNPTF0404	1/4	6,35	1/4	4,82	9/16	14,28	13/16	20,64	15,24	17,78	29,71	22,35	22,35
LUNPTF0406	1/4	6,35	3/8	4,82	9/16	14,28	13/16	20,64	15,24	17,78	31,75	24,38	22,35
LUNPTF0408	1/4	6,35	1/2	4,82	9/16	14,28	1.1/16	26,99	15,24	17,78	34,54	27,17	28,44
LUNPTF0502	5/16	7,93	1/8	6,35	5/8	15,87	9/16	14,29	16,25	18,54	28,70	21,33	19,05
LUNPTF0504	5/16	7,93	1/4	6,35	5/8	15,87	13/16	20,64	16,25	18,54	30,48	23,11	22,35
LUNPTF0602	3/8	9,52	1/8	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11	19,05
LUNPTF0604	3/8	9,52	1/4	7,11	11/16	17,46	13/16	20,64	16,76	19,30	31,24	23,87	22,35
LUNPTF0606	3/8	9,52	3/8	7,11	11/16	17,46	13/16	20,64	16,76	19,30	33,27	25,90	22,35
LUNPTF0608	3/8	9,52	1/2	7,11	11/16	17,46	1.1/16	26,99	16,76	19,30	36,06	28,70	28,44
LUNPTF0804	1/2	12,70	1/4	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	22,35
LUNPTF0806	1/2	12,70	3/8	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	22,35
LUNPTF0808	1/2	12,70	1/2	10,41	7/8	22,22	1.1/16	26,99	22,86	21,84	38,86	28,70	28,44
LUNPTF1006	5/8	15,87	3/8	12,70	1	25,40	13/16	20,64	24,38	21,84	38,10	27,94	22,35
LUNPTF1008	5/8	15,87	1/2	12,70	1	25,40	1.1/16	26,99	24,38	21,84	39,87	29,71	28,44
LUNPTF1208	3/4	19,05	1/2	15,74	1.1/8	28,57	1.1/16	26,99	24,38	21,84	39,87	29,71	28,44
LUNPTF1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.3/8	34,93	24,38	21,84	44,70	34,54	31,75
LUNPTF1412	7/8	22,22	3/4	18,28	1.1/4	31,75	1.3/8	34,93	25,90	21,84	44,70	34,54	31,75
LUNPTF1612	1	25,40	3/4	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83	31,75
LUNPTF1616	1	25,40	1	22,35	1.1/2	38,10	1.11/16	42,86	31,24	26,41	50,29	38,10	38,10

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2	A	B	L1	L2	L3
LUNPTF0602M	6	1/8	4,8	14	14	15,3	17,7	27,0	19,6	19,00
LUNPTF0604M	6	1/4	4,8	14	19	15,3	17,7	29,8	22,4	22,40
LUNPTF0606M	6	3/8	4,8	14	22	15,3	17,7	31,7	24,4	22,40
LUNPTF0608M	6	1/2	4,8	14	26	15,3	17,7	34,6	27,2	28,40
LUNPTF0804M	8	1/4	6,4	17	17	16,2	18,6	30,6	23,1	22,40
LUNPTF0808M	8	1/2	6,4	17	22	16,2	18,6	35,2	28,0	28,40
LUNPTF1002M	10	1/8	7,9	19	17	17,2	19,5	31,5	23,9	19,00
LUNPTF1004M	10	1/4	7,9	19	17	17,2	19,5	33,5	25,9	22,40
LUNPTF1006M	10	3/8	7,9	19	22	17,2	19,5	33,5	25,9	22,40
LUNPTF1008M	10	1/2	7,9	19	26	17,2	19,5	36,1	28,7	28,40
LUNPTF1204M	12	1/4	9,5	22	22	22,8	22,0	36,0	25,9	22,40
LUNPTF1206M	12	3/8	9,5	22	22	22,8	22,0	36,0	25,9	22,40
LUNPTF1208M	12	1/2	9,5	22	26	22,8	22,0	38,8	28,7	28,40
LUNPTF1608M	16	1/2	12,7	26	27	24,4	22,0	39,5	29,7	28,40

Tee Intermedio

Union Tee



Connects Fractional Tubes

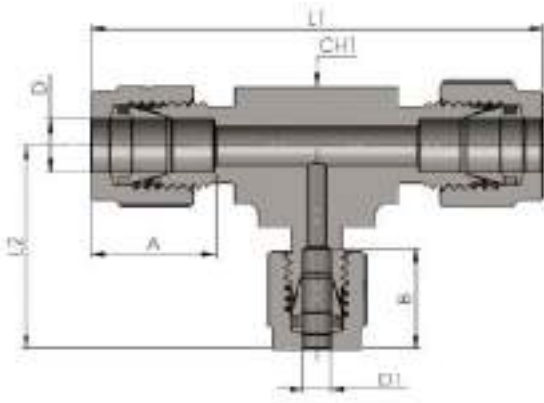
Codice Part Number	D		d	CH1		CH2		A	B	L1	L2
	in	mm		in	mm	in	mm				
TCU01	1/16	1,58	1,27	5/16	7,93	7/16	11,11	8,63	10,92	17,88	14,00
TCU02	1/8	3,17	2,28	7/16	11,11	7/16	11,11	12,70	15,24	22,35	15,74
TCU03	3/16	4,76	3,04	1/2	12,70	7/16	11,11	13,71	16,00	24,38	17,78
TCU04	1/4	6,35	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,55
TCU05	5/16	7,93	6,35	5/8	15,87	9/16	14,29	16,25	18,54	28,70	21,33
TCU06	3/8	9,52	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11
TCU08	1/2	12,70	10,41	7/8	22,22	11/16	17,46	22,86	21,84	36,06	25,90
TCU10	5/8	15,87	12,70	1	25,40	13/16	20,64	24,38	21,84	38,80	28,70
TCU12	3/4	19,05	15,74	1.1/8	28,57	15/16	23,81	24,38	21,84	39,87	29,71
TCU14	7/8	22,22	18,28	1.1/4	31,75	1.1/16	26,99	25,90	21,84	44,70	34,54
TCU16	1	25,40	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	49,02	36,83
TCU20	1.1/4	31,75	27,68	1.7/8	47,62	1.11/16	42,86	41,14	38,86	66,54	44,50
TCU24	1.1/2	38,10	34,03	2.1/4	57,15	2	50,80	50,03	45,21	77,97	50,80
TCU32	2	50,80	45,97	3	76,20	2.3/4	69,85	67,56	62,73	107,18	69,80

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2		A	B	L1	L2
				in	mm				
TCU02M	2	1,70	12	3/8	12	12,9	15,3	22,3	15,7
TSU03M	3	2,40	12	3/8	12	12,9	15,3	22,3	15,7
TCU04M	4	2,40	12	1/2	12	13,7	16,1	25,4	18,8
TCU06M	6	4,80	14	1/2	14	15,3	17,7	27,0	19,6
TCU08M	8	6,40	17	5/8	17	16,2	18,6	28,8	21,3
TCU10M	10	7,90	19	11/16	19	17,2	19,5	31,5	23,9
TCU12M	12	9,50	22	13/16	22	22,8	22,0	36,0	25,9
TCU14M	14	11,10	25						
TCU15M	15	11,90	24	1	24	24,4	22,0	38,8	28,7
TCU16M	16	12,70	24		24	24,4	22,0	38,8	28,7
TCU18M	18	15,10	27		27	24,4	22,0	39,8	29,7
TCU20M	20	15,90	30		33	26,0	22,0	42,6	32,5
TCU22M	22	18,30	30		33	26,0	22,0	42,6	32,5
TCU25M	25	21,80	36		41	31,3	26,5	49,1	36,8
TCU28M	28	21,80	41		-	36,6	36,6	64,0	43,2
TCU30M	30	26,20							
TCU32M	32	28,60	46		-	42,0	41,6	72,3	49,3
TCU38M	38	33,70	55		-	49,4	47,9	84,0	56,4
TCU50M	50	36,00	65		-	65,0		105,5	

Tee Riduttore Centrale

Reducing Union Central Tee



Connects Fractional Tubes

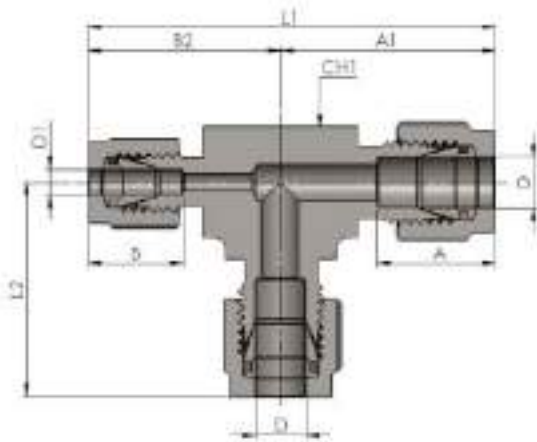
Codice Part Number	D		D1		CH1		A	B	L1	L2
	in	mm	in	mm	in	mm				
TCRU0604	3/8	9,52	1/4	6,35	9/16	14,29	16,76	15,24	60,96	28,95
TCRU0804	1/2	12,70	1/4	6,35	11/16	17,46	22,86	15,24	72,14	31,75
TCRU0806	1/2	12,70	3/8	9,52	11/16	17,46	22,86	16,76	72,14	33,27
TCRU1006	5/8	15,87	3/8	9,52	13/16	20,64	24,38	16,76	77,72	36,07
TCRU1206	3/4	19,05	3/8	9,52	15/16	23,81	24,38	16,76	79,78	37,08
TCRU1208	3/4	19,05	1/2	12,70	15/16	23,81	24,38	22,86	79,75	39,87
TCRU1606	1	25,40	3/8	9,52	1.3/8	34,93	31,24	16,76	98,04	41,91
TCRU1608	1	25,40	1/2	12,70	1.3/8	34,93	31,24	22,86	98,04	44,70
TCRU1612	1	25,40	3/4	19,05	1.3/8	34,93	31,24	24,38	98,04	44,70
TCRU2016	1.1/4	31,75	1	25,40	1.11/16	42,86	41,15	31,24	135,63	55,18
TCRU2416	1.1/2	38,10	1	25,40	2	50,80	50,03	31,24	157,48	59,94
TCRU3216	2	50,80	1	25,40	2.3/4	69,85	67,56	31,24	214,37	70,86

Connects Metric Tubes

Codice Part Number	D	D1	CH1	A	B	L1	L2
TCRU0306M	3	6	12	12,9	15,3	49,3	26,9
TCRU0806M	8	6	17	16,2	15,3	59,9	29,0
TCRU1006M	10	6	19	17,2	15,3	63,0	29,7
TCRU1206M	12	6	22	22,8	15,3	72,0	31,8
TCRU1512M	15	12	24	24,4	22,8	77,7	38,9
TCRU1612M	16	12	24	24,4	22,8	77,6	38,9
TCRU1812M	18	12	33	24,4	22,8	79,8	39,9
TCRU2212M	22	12	36	26,0	22,8	89,4	44,7
TCRU2512M	25	12	36	31,3	22,8	98,0	44,7

Tee Riduttore Laterale

Reducing Union Lateral Tee

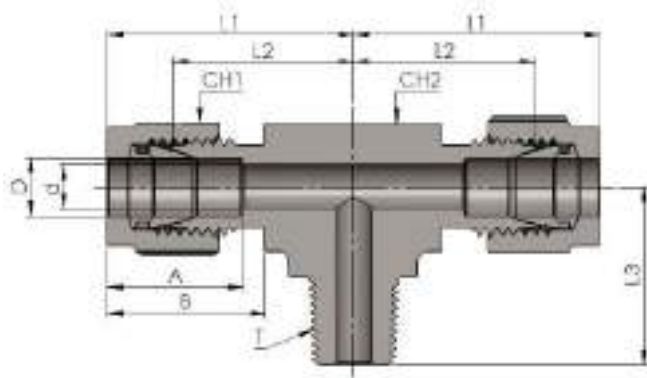


Connects Fractional Tubes

Codice Part Number	D		D1		CH1		A	B	A1	B2	L1	L2
	in	mm	in	mm	in	mm						
TLRU0604	3/8	9,52	1/4	6,35	9/16	14,29	16,76	15,24	30,48	28,95	59,44	30,48
TLRU0806	1/2	12,70	3/8	9,52	11/16	17,46	22,86	16,76	36,07	33,27	69,34	36,07
TLRU1006	5/8	15,87	3/8	9,52	13/16	20,64	24,38	16,76	38,86	36,06	74,93	38,86
TLRU1206	3/4	19,05	3/8	9,52	15/16	23,81	24,38	16,76	39,87	37,08	76,96	39,87

Tee Maschio NPT Centrale

Central NPT Male Branch Tee



Connects Fractional Tubes

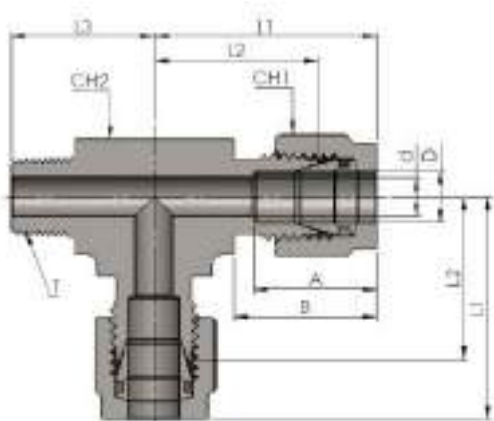
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
TCUNPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	24,91	17,00	17,80
TCUNPT0204	1/8	3,17	1/4	2,28	7/16	11,11	9/16	14,29	12,70	15,24	24,91	18,30	23,36
TCUNPT0302	3/16	4,76	1/8	3,04	1/2	12,70	7/16	11,11	13,71	16,00	24,38	17,78	17,78
TCUNPT0402	1/4	6,35	1/8	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,55	18,79
TCUNPT0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,29	15,24	17,78	27,08	19,71	23,87
TCUNPT0502	5/16	7,93	1/8	4,82	5/8	15,87	9/16	14,29	16,25	18,54	29,71	22,35	20,82
TCUNPT0604	3/8	9,52	1/4	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11	25,40
TCUNPT0606	3/8	9,52	3/8	7,11	11/16	17,46	13/16	20,64	16,76	19,30	31,24	23,87	26,20
TCUNPT0806	1/2	12,70	3/8	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	28,19
TCUNPT0808	1/2	12,70	1/2	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	33,02
TCUNPT1008	5/8	15,87	1/2	11,93	1	25,40	15/16	23,81	24,38	21,84	38,10	27,94	35,05
TCUNPT1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.1/16	26,99	24,38	21,84	38,35	28,19	36,83

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2	A	B	L1	L2	L3
TCUNPT0302M	3	1/8	2,4	14	12	12,9	15,3	23,6	17,0	17,8
TCUNPT0304M	3	1/4	2,4	14	12	12,9	15,3	24,6	18,0	23,4
TCUNPT0402M	4	1/8	2,4	14	12	13,7	16,1	25,4	18,8	18,8
TCUNPT0602M	6	1/8	4,8	14	14	15,3	17,7	27,0	19,6	18,8
TCUNPT0604M	6	1/4	4,8	14	14	15,3	17,7	27,0	19,6	23,4
TCUNPT0802M	8	1/8	4,8	14	17	16,2	18,6	28,8	21,3	19,8
TCUNPT0804M	8	1/4	6,4	14	17	16,2	18,6	28,8	21,3	24,4
TCUNPT1004M	10	1/4	7,1	17	19	17,2	19,5	31,5	23,9	28,2
TCUNPT1006M	10	3/8	7,9	17	19	17,2	19,5	31,5	23,9	28,2
TCUNPT1204M	12	1/4	7,1	22	22	22,8	22,0	36,0	25,9	28,2
TCUNPT1206M	12	3/8	9,5	22	22	22,8	22,0	36,0	25,9	28,2
TCUNPT1208M	12	1/2	9,5	22	22	22,8	22,0	36,0	25,9	33,0
TCUNPT1606M	16	3/8	9,5	26	26	24,4	22,0	38,0	27,9	30,2
TCUNPT1608M	16	1/2	11,9	26	26	24,4	22,0	38,0	27,9	35,1
TCUNPT2012M	20	3/4	15,9	30	32	26,0	22,0	44,6	34,5	41,7

Tee Maschio NPT Laterale

Lateral NPT Male Branch Tee



Connects Fractional Tubes

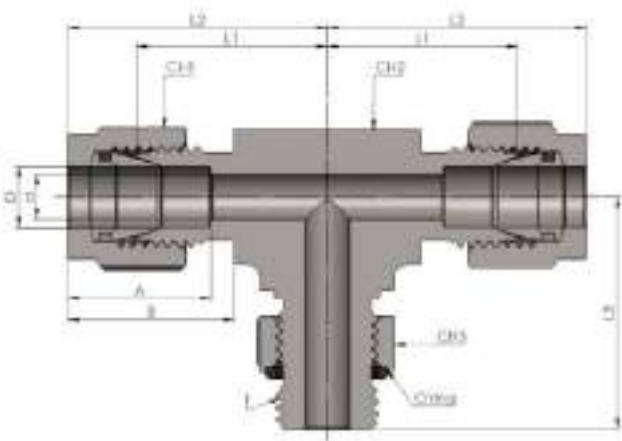
Codice Part Number	D		T (NPT)	d	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
TLUNPT0202	1/8	3,17	1/8	2,28	7/16	11,11	7/16	11,11	12,70	15,24	24,91	17,00	17,80
TLUNPT0204	1/8	3,17	1/4	2,28	7/16	11,11	9/16	14,29	12,70	15,24	24,91	18,30	23,36
TLUNPT0302	3/16	4,76	1/8	3,04	1/2	12,70	7/16	11,11	13,71	16,00	24,38	17,78	17,78
TLUNPT0402	1/4	6,35	1/8	4,82	9/16	14,28	7/16	11,11	15,24	17,78	26,92	19,55	18,79
TLUNPT0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,29	15,24	17,78	27,08	19,71	23,87
TLUNPT0502	5/16	7,93	1/8	4,82	5/8	15,87	9/16	14,29	16,25	18,54	29,71	22,35	20,82
TLUNPT0604	3/8	9,52	1/4	7,11	11/16	17,46	9/16	14,29	16,76	19,30	30,48	23,11	25,40
TLUNPT0606	3/8	9,52	3/8	7,11	11/16	17,46	13/16	20,64	16,76	19,30	31,24	23,87	26,20
TLUNPT0806	1/2	12,70	3/8	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	28,19
TLUNPT0808	1/2	12,70	1/2	10,41	7/8	22,22	13/16	20,64	22,86	21,84	36,06	25,90	33,02
TLUNPT1008	5/8	15,87	1/2	11,93	1	25,40	15/16	23,81	24,38	21,84	38,10	27,94	35,05
TLUNPT1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.1/16	26,99	24,38	21,84	38,35	28,19	36,83

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH1	CH2	A	B	L1	L2	L3
TLUNPT0302M	3	1/8	2,4	14	12	12,9	15,3	23,6	17,0	17,8
TLUNPT0304M	3	1/4	2,4	14	12	12,9	15,3	24,6	18,0	23,4
TLUNPT0402M	4	1/8	2,4	14	12	13,7	16,1	25,4	18,8	18,8
TLUNPT0602M	6	1/8	4,8	14	14	15,3	17,7	27,0	19,6	18,8
TLUNPT0604M	6	1/4	4,8	14	14	15,3	17,7	27,0	19,6	23,4
TLUNPT0802M	8	1/8	4,8	14	17	16,2	18,6	28,8	21,3	19,8
TLUNPT0804M	8	1/4	6,4	14	17	16,2	18,6	28,8	21,3	24,4
TLUNPT1004M	10	1/4	7,1	17	19	17,2	19,5	31,5	23,9	28,2
TLUNPT1006M	10	3/8	7,9	17	19	17,2	19,5	31,5	23,9	28,2
TLUNPT1204M	12	1/4	7,1	22	22	22,8	22,0	36,0	25,9	28,2
TLUNPT1206M	12	3/8	9,5	22	22	22,8	22,0	36,0	25,9	28,2
TLUNPT1208M	12	1/2	9,5	22	22	22,8	22,0	36,0	25,9	33,0
TLUNPT1606M	16	3/8	9,5	26	26	24,4	22,0	38,0	27,9	30,2
TLUNPT1608M	16	1/2	11,9	26	26	24,4	22,0	38,0	27,9	35,1
TLUNPT2012M	20	3/4	15,9	30	32	26,0	22,0	44,6	34,5	41,7

Tee Orientabile Centrale

Adjustable Central Tee *with o'ring and Special washer*



Connects Fractional Tubes to BSP

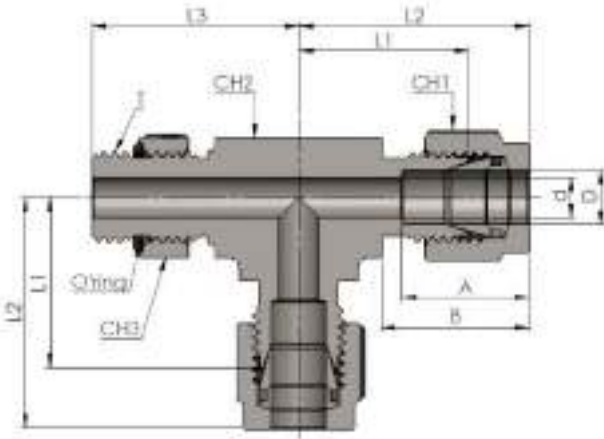
Codice Part Number	D		T (BSP)	d	CH1		CH2		CH3		A	B	L1	L2	L3
	in	mm			in	mm	in	mm	in	mm					
TCUADJ0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,28	9/16	14,28	15,24	17,78	26,92	19,68	26,00
TCUADJ0406	1/4	6,35	3/8	4,82	9/16	14,28	3/4	19,05	3/4	19,05	15,24	17,78	28,96	21,72	32,00
TCUADJ0606	3/8	9,52	3/8	7,11	11/16	17,46	3/4	19,05	3/4	19,05	16,76	19,30	30,48	23,12	32,00
TCUADJ0608	3/8	9,52	1/2	7,11	11/16	17,46	15/16	24,81	7/8	22,22	16,76	19,30	33,27	25,91	37,00
TCUADJ0808	1/2	12,70	1/2	10,41	7/8	22,22	15/16	24,81	3/4	19,05	22,86	21,84	36,07	22,61	32,00
TCUADJ0812	1/2	19,05	3/4	10,41	7/8	22,22	1.1/16	26,98	1.1/16	26,98	22,86	21,84	38,10	24,64	43,00
TCUADJ1016	5/8	25,40	1	12,70	1	25,40	1.3/8	34,93	1.1/16	26,98	24,38	21,84	38,10	27,72	43,00
TCUADJ1220	3/4	31,75	1.1/4	15,74	1.1/8	28,57	1.11/16	42,86	1.1/16	26,98	24,38	21,84	39,88	29,49	43,00
TCUADJ1224	3/4	38,10	1.1/2	15,74	1.1/8	28,57	2	50,80	1.3/8	34,92	24,38	21,84	39,88	29,49	49,00

Connects Metric Tubes to BSP

Codice Part Number	D	T (BSP)	d	CH1	CH2		CH3	A	B	L1	L2	L3
					in	mm						
TCUADJ0602M	6	1/8	4,0	14	9/16	14	14	15,3	17,7	27,0	19,6	26,4
TCUADJ0604M	6	1/4	4,8	14	3/4	19	19	15,3	17,7	29,0	21,6	32,3
TCUADJ0802M	8	1/8	4,0	17	9/16	14	14	16,2	18,6	28,8	21,3	27,4
TCUADJ0804M	8	1/4	5,9	17	3/4	19	19	16,2	18,6	29,9	22,4	32,2
TCUADJ1004M	10	1/4	5,9	19	3/4	19	19	17,2	19,5	33,5	25,9	35,0
TCUADJ1006M	10	3/8	7,9	19	7/8	22	22	17,2	19,5	33,5	25,9	37,1
TCUADJ1204M	12	1/4	5,9	22	3/4	19	19	22,8	22,0	36,0	25,9	35,
TCUADJ1206M	12	3/8	7,9	22	7/8	22	22	22,8	22,0	36,0	25,9	37,1
TCUADJ1208M	12	1/2	9,5	22	1.1/16	27	27	22,8	22,0	38,0	27,9	43,4
TCUADJ1212M	12	3/4	9,5	22	1.3/8	35	36	22,8	22,0	39,8	29,7	48,8

Tee Orientabile Laterale

Adjustable Lateral Tee *with o'ring and Special washer*



Connects Fractional Tubes to BSP

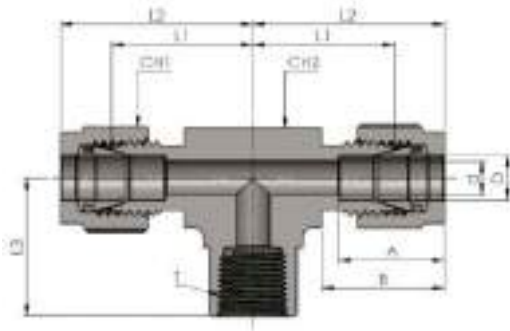
Codice Part Number	D		T (BSP)	d	CH1		CH2		CH3		A	B	L1	L2	L3
	in	mm			in	mm	in	mm	in	mm					
TLUADJ0404	1/4	6,35	1/4	4,82	9/16	14,28	9/16	14,28	9/16	14,28	15,24	17,78	26,92	19,68	26,00
TLUADJ0406	1/4	6,35	3/8	4,82	9/16	14,28	3/4	19,05	3/4	19,05	15,24	17,78	28,96	21,72	32,00
TLUADJ0606	3/8	9,52	3/8	7,11	11/16	17,46	3/4	19,05	3/4	19,05	16,76	19,30	30,48	23,12	32,00
TLUADJ0608	3/8	9,52	1/2	7,11	11/16	17,46	15/16	24,81	7/8	22,22	16,76	19,30	33,27	25,91	37,00
TLUADJ0808	1/2	12,70	1/2	10,41	7/8	22,22	15/16	24,81	3/4	19,05	22,86	21,84	36,07	22,61	32,00
TLUADJ0812	1/2	19,05	3/4	10,41	7/8	22,22	1.1/16	26,98	1.1/16	26,98	22,86	21,84	38,10	24,64	43,00
TLUADJ1016	5/8	25,40	1	12,70	1	25,40	1.3/8	34,93	1.1/16	26,98	24,38	21,84	38,10	27,72	43,00
TLUADJ1220	3/4	31,75	1.1/4	15,74	1.1/8	28,57	1.11/16	42,86	1.1/16	26,98	24,38	21,84	39,88	29,49	43,00
TLUADJ1224	3/4	38,10	1.1/2	15,74	1.1/8	28,57	2	50,80	1.3/8	34,92	24,38	21,84	39,88	29,49	49,00

Connects Metric Tubes to BSP

Codice Part Number	D	T (BSP)	d	CH1	CH2		CH3	A	B	L1	L2	L3
					in	mm						
TLUADJ0602M	6	1/8	4,0	14	9/16	14	14	15,3	17,7	27,0	19,6	26,4
TLUADJ0604M	6	1/4	4,8	14	3/4	19	19	15,3	17,7	29,0	21,6	32,3
TLUADJ0802M	8	1/8	4,0	17	9/16	14	14	16,2	18,6	28,8	21,3	27,4
TLUADJ0804M	8	1/4	5,9	17	3/4	19	19	16,2	18,6	29,9	22,4	32,2
TLUADJ1004M	10	1/4	5,9	19	3/4	19	19	17,2	19,5	33,5	25,9	35,0
TLUADJ1006M	10	3/8	7,9	19	7/8	22	22	17,2	19,5	33,5	25,9	37,1
TLUADJ1204M	12	1/4	5,9	22	3/4	19	19	22,8	22,0	36,0	25,9	35,
TLUADJ1206M	12	3/8	7,9	22	7/8	22	22	22,8	22,0	36,0	25,9	37,1
TLUADJ1208M	12	1/2	9,5	22	1.1/16	27	27	22,8	22,0	38,0	27,9	43,4
TLUADJ1212M	12	3/4	9,5	22	1.3/8	35	36	22,8	22,0	39,8	29,7	48,8

Tee Femmina NPT Centrale

Central NPT Female Branch Tee

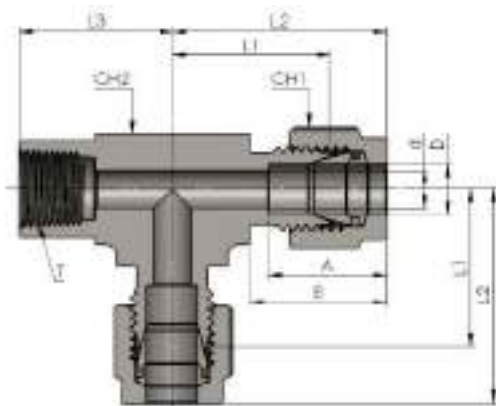


Connects Fractional Tubes to NPT

Codice Part Number	D		T (NPT)	D	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
TCUNPTF0202	1/8	3,17	1/8	2,28	7/16	11,11	9/16	14,29	12,70	15,24	18,03	24,63	19,05
TCUNPTF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,29	15,24	17,78	19,55	26,92	19,05
TCUNPTF0404	1/4	6,35	1/4	4,82	9/16	14,28	13/16	20,64	15,24	17,78	22,86	29,71	22,35
TCUNPTF0604	3/8	9,52	1/4	7,11	11/16	17,46	13/16	20,64	16,76	19,30	23,87	31,24	22,35
TCUNPTF0806	1/2	12,70	3/8	10,41	7/8	22,22	13/16	20,64	22,86	21,84	25,90	36,06	22,35
TCUNPTF0808	1/2	12,70	1/2	10,41	7/8	22,22	1.1/16	26,99	22,86	21,84	29,71	39,87	28,44
TCUNPTF1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.3/8	34,92	24,38	21,84	34,54	44,70	31,75
TCUNPTF1612	1	25,40	3/4	22,35	1.1/2	38,10	1.3/8	34,92	31,24	26,41	26,83	49,02	31,75
TCUNPTF1616	1	25,40	1	22,35	1.1/2	38,10	1.11/16	42,86	31,24	26,41	41,40	53,59	38,10

Tee Femmina NPT Laterale

Lateral NPT Female branch Tee

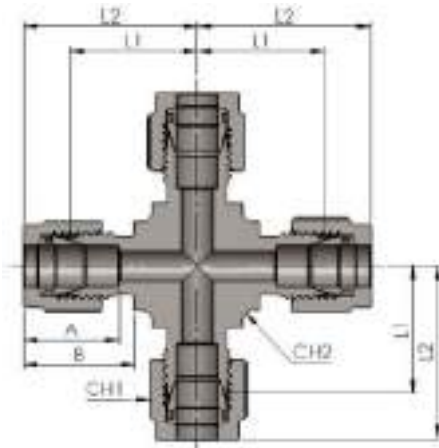


Connects Fractional Tubes to NPT

Codice Part Number	D		T (NPT)	D	CH1		CH2		A	B	L1	L2	L3
	in	mm			in	mm	in	mm					
TLUNPTF0202	1/8	3,17	1/8	2,28	7/16	11,11	9/16	14,29	12,70	15,24	18,03	24,63	19,05
TLUNPTF0402	1/4	6,35	1/8	4,82	9/16	14,28	9/16	14,29	15,24	17,78	19,55	26,92	19,05
TLUNPTF0404	1/4	6,35	1/4	4,82	9/16	14,28	13/16	20,64	15,24	17,78	22,86	29,71	22,35
TLUNPTF0604	3/8	9,52	1/4	7,11	11/16	17,46	13/16	20,64	16,76	19,30	23,87	31,24	22,35
TLUNPTF0806	1/2	12,70	3/8	10,41	7/8	22,22	13/16	20,64	22,86	21,84	25,90	36,06	22,35
TLUNPTF0808	1/2	12,70	1/2	10,41	7/8	22,22	1.1/16	26,99	22,86	21,84	29,71	39,87	28,44
TLUNPTF1212	3/4	19,05	3/4	15,74	1.1/8	28,57	1.3/8	34,92	24,38	21,84	34,54	44,70	31,75
TLUNPTF1612	1	25,40	3/4	22,35	1.1/2	38,10	1.3/8	34,92	31,24	26,41	26,83	49,02	31,75
TLUNPTF1616	1	25,40	1	22,35	1.1/2	38,10	1.11/16	42,86	31,24	26,41	41,40	53,59	38,10

Intermedio a Croce

Union Cross



Connects Fractional Tubes

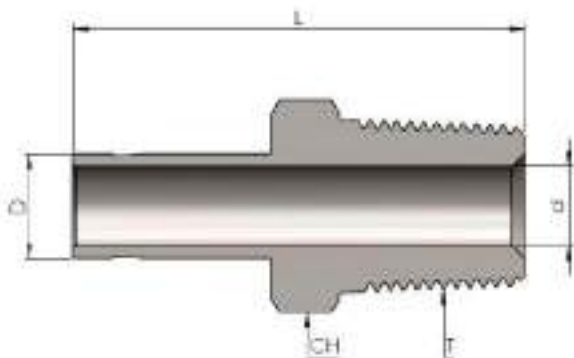
Codice Part Number	D		d	CH1		CH2		A	B	L1	L2
	in	mm		in	mm	in	mm				
CU01	1/16	1,58	1,27	5/16	7,93	7/16	11,11	8,63	10,92	14,00	17,88
CU02	1/8	3,17	2,28	7/16	11,11	7/16	11,11	12,70	15,24	15,74	22,35
CU03	3/16	4,76	3,04	1/2	12,70	7/16	11,11	13,71	16,00	17,78	24,38
CU04	1/4	6,35	4,82	9/16	14,28	7/16	11,11	15,24	17,78	19,55	26,92
CU05	5/16	7,93	6,35	5/8	15,87	9/16	14,29	16,25	18,54	21,33	28,70
CU06	3/8	9,52	7,11	11/16	17,46	9/16	14,29	16,76	19,30	23,11	30,48
CU08	1/2	12,70	10,41	7/8	22,22	11/16	17,46	22,86	21,84	25,90	36,06
CU10	5/8	15,87	12,70	1	25,40	13/16	20,64	24,38	21,84	28,70	38,80
CU12	3/4	19,05	15,74	1.1/8	28,57	15/16	23,81	24,38	21,84	29,71	39,87
CU14	7/8	22,22	18,28	1.1/4	31,75	1.1/16	26,99	25,90	21,84	34,54	44,70
CU16	1	25,40	22,35	1.1/2	38,10	1.3/8	34,93	31,24	26,41	36,83	49,02

Connects Metric Tubes

Codice Part Number	D	d	CH1	CH2	A	B	L1	L2
CU03M	3	2,4	12	12	12,9	15,3	15,7	22,3
CU06M	6	4,8	14	12	15,3	17,7	19,6	27,0
CU08M	8	6,4	17	17	16,2	18,6	21,3	28,8
CU10M	10	7,9	19	22	17,2	19,5	23,9	31,5
CU12M	12	9,5	22	22	22,8	22,0	25,9	36,0
CU16M	16	12,7	27	27	24,4	22,0	28,7	38,8
CU18M	18	15,1	30	27	24,4	22,0	29,7	39,8
CU20M	20	15,9	32	30	26,0	22,0	32,5	42,6
CU25M	25	21,8	38	36	31,3	22,0	36,8	49,1

Adattatore Maschio NPT

NPT Male Adaptor



Connects Fractional Tubes

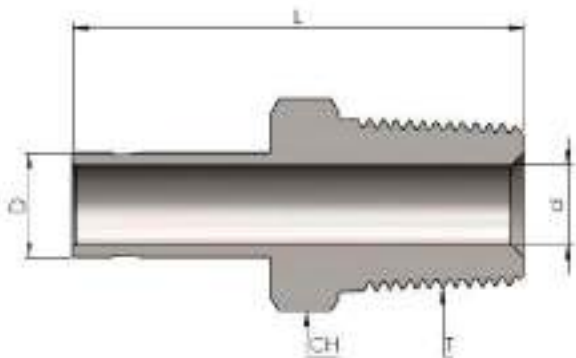
Codice Part Number	D		T (NPT)	d	CH		L
	in	mm			in	mm	
MANPT0202	1/8	3,17	1/8	2,03	7/16	11,11	29,50
MANPT0204	1/8	3,17	1/4	2,03	9/16	14,28	34,80
MANPT0302	3/16	4,76	1/8	3,04	7/16	11,11	30,22
MANPT0304	3/16	4,76	1/4	3,04	9/16	14,28	35,56
MANPT0402	1/4	6,35	1/8	4,32	7/16	11,11	31,80
MANPT0404	1/4	6,35	1/4	4,32	9/16	14,28	37,08
MANPT0406	1/4	6,35	3/8	4,32	11/16	17,46	37,84
MANPT0408	1/4	6,35	1/2	4,32	7/8	22,22	43,43
MANPT0502	5/16	7,93	1/8	4,57	7/16	11,11	32,76
MANPT0504	5/16	7,93	1/4	5,59	9/16	14,28	38,10
MANPT0602	3/8	9,52	1/8	4,83	7/16	11,11	33,50
MANPT0604	3/8	9,52	1/4	6,86	9/16	14,28	38,90
MANPT0606	3/8	9,52	3/8	6,86	11/16	17,46	39,60
MANPT0608	3/8	9,52	1/2	6,86	7/8	22,22	45,20
MANPT0804	1/2	12,70	1/4	7,11	9/16	14,28	44,50
MANPT0806	1/2	12,70	3/8	9,40	11/16	17,46	45,20
MANPT0808	1/2	12,70	1/2	9,40	7/8	22,22	50,50
MANPT1006	5/8	15,87	3/8	9,65	11/16	17,46	47,40
MANPT1008	5/8	15,87	1/2	11,94	7/8	22,22	52,30
MANPT1012	5/8	15,87	3/4	11,94	1.1/16	26,98	52,30
MANPT1208	3/4	19,05	1/2	11,94	7/8	22,22	52,30
MANPT1212	3/4	19,05	3/4	14,73	1.1/16	26,98	52,30
MANPT1216	3/4	19,05	1	14,73	1.3/8	34,92	57,91
MANPT1412	7/8	22,22	3/4	15,75	1.1/16	26,98	54,30
MANPT1612	1	25,4	3/4	15,75	1.1/16	26,98	58,70
MANPT1616	1	25,4	1	20,32	1.3/8	34,91	66,00
MANPT2020	1.1/4	31,75	1.1/4	25,91	1.3/4	44,45	80,26
MANPT2424	1.1/2	38,10	1.1/2	31,75	2.1/8	53,97	94,48
MANPT3232	2	50,80	2	43,69	2.3/4	69,85	119,38

Connects Metric Tubes

Codice Part Number	D	T (NPT)	d	CH	L
MANPT0602M	6	1/8	4,1	12	32,8
MANPT0604M	6	1/4	4,1	14	38,1
MANPT0804M	8	1/4	5,6	14	39,1
MANPT0806M	8	3/8	5,6	19	39,9
MANPT1004M	10	1/4	7,1	14	39,9
MANPT1006M	10	3/8	7,1	17	40,6
MANPT1008M	10	1/2	7,1	22	46,2
MANPT1204M	12	1/4	7,1	17	46,5
MANPT1208M	12	1/2	8,8	22	52,1
MANPT2816M	28	1	22,2	36	74,7
MANPT2820M	28	1.1/4	22,5	46	76,2
MANPT3016M	30	1	22,2	41	79,2
MANPT3020M	30	1.1/4	24,3	46	80,0
MANPT3220M	32	1.1/4	26,5	46	81,0
MANPT3824M	38	1.1/2	31,6	55	92,2

Adattatore Maschio Gas Conico

BSPT Male Adaptor



Connects Fractional Tubes to BSPT

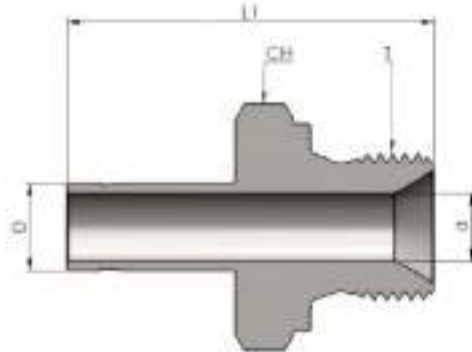
Codice Part Number	D		T (BSPT)	d	CH		L
	in	mm			in	mm	
MABSPT0202	1/8	3,17	1/8	2,03	7/16	11,11	29,46
MABSPT0204	1/8	3,17	1/4	2,03	9/16	14,28	34,79
MABSPT0402	1/4	6,35	1/8	4,31	7/16	11,11	31,75
MABSPT0404	1/4	6,35	1/4	4,31	9/16	14,28	37,08
MABSPT0604	3/8	9,52	1/4	6,86	9/16	14,28	38,86
MABSPT0606	3/8	9,52	3/8	6,86	11/16	17,46	39,62
MABSPT0608	3/8	9,52	1/2	6,86	7/8	22,22	45,21
MABSPT0804	1/2	12,70	1/4	9,39	9/16	14,28	44,45
MABSPT0806	1/2	12,70	3/8	9,39	11/16	17,46	45,21
MABSPT0808	1/2	12,70	1/2	9,39	7/8	22,22	50,80
MABSPT1212	3/4	19,05	3/4	14,73	1.1/16	26,98	52,32
MABSPT1616	1	25,40	1	20,32	1.3/8	34,91	66,04

Connects Metric Tubes to BSPT

Codice Part Number	D	T (BSPT)	d	CH	L
MABSPT0602M	6	1/8	4,1	12	32,80
MABSPT0604M	6	1/4	4,1	14	38,10
MABSPT0804M	8	1/4	5,6	14	39,10
MABSPT1004M	10	1/4	7,1	14	39,90
MABSPT1006M	10	3/8	7,1	19	40,60
MABSPT1204M	12	1/4	7,1	17	46,50
MABSPT1206M	12	3/8	8,8	19	46,20
MABSPT1208M	12	1/2	8,8	22	51,80
MABSPT2816M	28	1	22,22	36	74,70
MABSPT2820M	28	1.1/4	22,5	46	76,20
MABSPT3020M	30	1.1/4	24,3	46	80,00
MABSPT3220M	32	1.1/4	26,5	46	81,00
MABSPT3824M	38	1.1/2	31,6	55	92,20

Adattatore Maschio BSP

BSP Male Adaptor



Connects Fractional Tubes to BSP

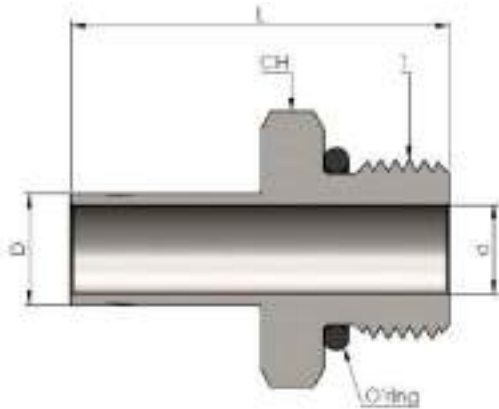
Codice Part Number	D		T (BSP)	d	CH		L
	in	mm			in	mm	
MABSP0202	1/8	3,17	1/8	2,03	9/16	14,28	30,99
MABSP0204	1/8	3,17	1/4	2,03	3/4	19,05	35,81
MABSP0402	1/4	6,35	1/8	4,06	9/16	14,28	33,27
MABSP0404	1/4	6,35	1/4	4,32	3/4	19,05	38,10
MABSP0604	3/8	9,52	1/4	5,84	3/4	19,05	39,88
MABSP0606	3/8	9,52	3/8	6,86	7/8	22,22	40,64
MABSP0804	1/2	12,70	1/4	5,84	3/4	19,05	45,47
MABSP0806	1/2	12,70	3/8	7,88	7/8	22,22	46,23
MABSP0808	1/2	12,70	1/2	9,40	1.1/16	26,98	49,28
MABSP1212	3/4	19,05	3/4	14,73	1.5/16	33,33	54,88
MABSP1616	1	25,40	1	20,32	1.5/8	41,27	64,52

Connects Metric Tubes to BSP

Codice Part Number	D	T (BSP)	d	CH	L
MABSP0602M	6	1/8	4,0	14	34,3
MABSP0604M	6	1/4	4,1	19	39,1
MABSP0804M	8	1/4	5,6	19	40,1
MABSP1004M	10	1/4	5,9	19	40,9
MABSP1006M	10	3/8	7,1	22	41,7
MABSP1008M	10	1/2	7,1	27	44,7
MABSP1204M	12	1/4	5,9	19	46,7
MABSP1206M	12	3/8	7,9	22	47,2
MABSP1208M	12	1/2	8,8	27	50,5
MABSP1808M	18	1/2	11,9	27	52,1
MABSP1812M	18	3/4	13,9	36	56,1
MABSP2816M	28	1	19,8	42	72,9
MABSP2820M	28	1.1/4	22,5	50	77,0
MABSP3020M	30	1.1/4	24,3	50	80,8
MABSP3220M	32	1.1/4	26,5	50	81,8
MABSP3824M	38	1.1/2	31,6	55	94,5

Adattatore Maschio SAE con O'ring

SAE Male Adaptor with o'ring seal

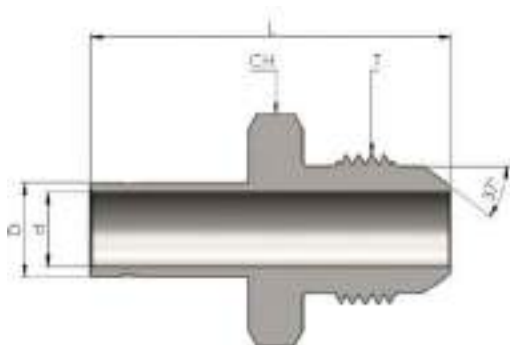


Connects Fractional Tubes to SAE

Codice Part Number	D		T (U)	d	CH		L
	in	mm			in	mm	
MASAE0202	1/8	3,17	5/16-24	2,03	7/16	11,11	30,48
MASAE0404	1/4	6,35	7/16-20	4,32	9/16	14,28	35,31
MASAE0604	3/8	9,52	7/16-20	5,08	9/16	14,28	37,08
MASAE0606	3/8	9,52	9/16-18	6,86	11/16	17,46	38,61
MASAE0608	3/8	9,52	3/4-16	6,86	7/8	22,22	40,64
MASAE0806	1/2	12,70	9/16-18	7,11	11/16	17,46	44,19
MASAE0808	1/2	12,70	3/4-16	9,40	7/8	22,22	46,23
MASAE1010	5/8	15,87	7/8-14	11,94	1	25,40	49,27
MASAE1212	3/4	19,05	1.1/16-12	14,73	1.1/4	31,75	53,34
MASAE1616	1	25,40	1.5/16-12	20,32	1.1/2	38,10	61,21
MASAE2020	1.1/4	31,75	1.5/8-12	25,91	1.7/8	47,62	71,37
MASAE2424	1.1/2	38,10	1.7/8-12	31,75	2.1/8	53,97	83,31
MASAE3232	2	50,80	2.1/2-12	43,69	2.3/4	69,85	107,44

Adattatore Maschio JIC 37°

37° JIC Male Adaptor

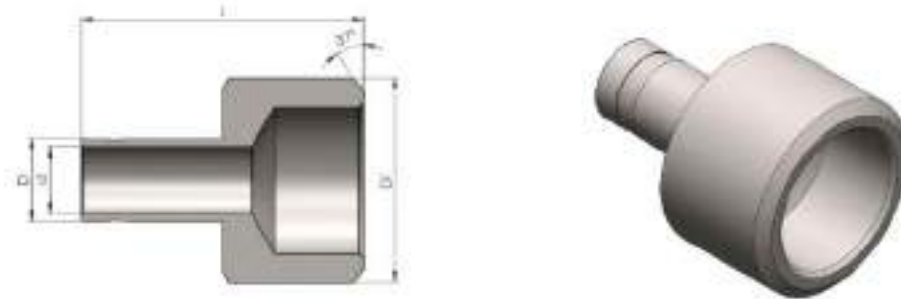


Connects Fractional Tubes to JIC

Codice Part Number	D		T (U)	d	CH		L
	in	mm			in	mm	
MAJIC0404	1/4	6,35	7/16-20	4,32	9/16	14,28	37,08
MAJIC0604	3/8	9,52	7/16-20	4,32	9/16	14,28	38,86
MAJIC0606	3/8	9,52	9/16-18	6,86	5/8	15,87	39,62
MAJIC0808	1/2	12,70	3/4-16	9,40	13/16	20,63	48,51
MAJIC1212	3/4	19,05	1.1/16-12	14,73	1.1/8	28,53	56,13
MAJIC1616	1	25,40	1.5/16-12	20,32	1.3/8	34,92	65,53

Adattatore con Tasca a Saldare

Socked Weld Adaptor



Connects Fractional Tubes

Codice Part Number	D		D1		d	L
	in	mm	in	mm		
WA0404	1/4	6,35	1/4	13,70	4,32	28,96
WA0608	3/8	9,52	1/2	21,30	6,86	37,08
WA0808	1/2	12,70	1/2	21,30	9,40	42,16
WA0812	1/2	12,70	3/4	26,67	9,40	42,67
WA1212	3/4	19,05	3/4	26,67	14,73	47,50

Adattatore Femmina NPT

NPT Female Adaptor



Connects Fractional Tubes

Codice Part Number	D		T (NPT)	d	CH		L
	in	mm			in	mm	
FFANPT0202	1/8	3,17	1/8	2,03	9/16	14,28	31,50
FFANPT0204	1/8	3,17	1/4	2,03	3/4	19,05	35,30
FFANPT0302	3/16	4,76	1/8	3,04	9/16	14,28	32,00
FFANPT0304	3/16	4,76	1/4	3,04	3/4	19,05	35,81
FFANPT0402	1/4	6,35	1/8	4,32	9/16	14,28	33,02
FFANPT0404	1/4	6,35	1/4	4,32	3/4	19,05	37,10
FFANPT0406	1/4	6,35	3/8	4,32	7/8	22,22	39,37
FFANPT0408	1/4	6,35	1/2	4,32	1.1/16	26,98	45,50
FFANPT0502	5/16	7,93	1/8	5,59	9/16	14,28	34,29
FFANPT0504	5/16	7,93	1/4	5,59	3/4	19,05	37,59
FFANPT0602	3/8	9,52	1/8	6,86	9/16	14,28	34,29
FFANPT0604	3/8	9,52	1/4	6,86	3/4	19,05	37,59
FFANPT0606	3/8	9,52	3/8	6,86	7/8	22,22	40,38
FFANPT0608	3/8	9,52	1/2	6,86	1.1/16	26,98	46,73
FFANPT0804	1/2	12,70	1/4	9,40	3/4	19,05	43,43
FFANPT0806	1/2	12,70	3/8	9,40	7/8	22,22	45,46
FFANPT0808	1/2	12,70	1/2	9,40	1.1/16	26,98	51,80
FFANPT1006	5/8	15,87	3/8	11,94	7/8	22,22	48,26
FFANPT1008	5/8	15,87	1/2	11,94	1.1/16	26,98	53,84
FFANPT1012	5/8	15,87	3/4	11,94	1.5/16	33,33	55,37
FFANPT1208	3/4	19,05	1/2	14,73	1.1/16	26,98	52,83
FFANPT1212	3/4	19,05	3/4	14,73	1.5/16	33,33	54,86
FFANPT1216	3/4	19,05	1	14,73	1.5/8	41,27	58,42
FFANPT1412	7/8	22,22	3/4	15,75	1.5/16	33,33	57,16
FFANPT1612	1	25,40	3/4	20,32	1.5/16	33,33	60,70
FFANPT1616	1	25,40	1	20,32	1.5/8	41,27	64,26
FFANPT2020	1.1/4	31,75	1.1/4	25,91	2.1/8	53,97	77,72
FFANPT2424	1.1/2	38,10	1.1/2	31,75	2.3/8	60,32	88,90
FFANPT3232	2	50,80	2	43,69	2.7/8	70,02	107,44

Connects Metric Tubes

Codice Part Number	D	T (R)	d	CH	L
FFANPT0302M	3	1/8	1,9	14	31,15
FFANPT0602M	6	1/8	4,1	14	32,50
FFANPT0604M	6	1/4	4,1	19	37,10
FFANPT0804M	8	1/4	5,6	19	37,60
FFANPT1004M	10	1/4	7,1	19	38,10
FFANPT1006M	10	3/8	7,1	22	40,10
FFANPT1008M	10	1/2	7,1	27	46,50
FFANPT1204M	12	1/4	8,8	19	43,70
FFANPT1206M	12	3/8	8,8	22	46,00
FFANPT1208M	12	1/2	8,8	27	52,30
FFANPT1812M	18	3/4	13,9	36	54,80

Adattatore Femmina Gas Conico

BSPT Female Adaptor



Connects Fractional Tubes

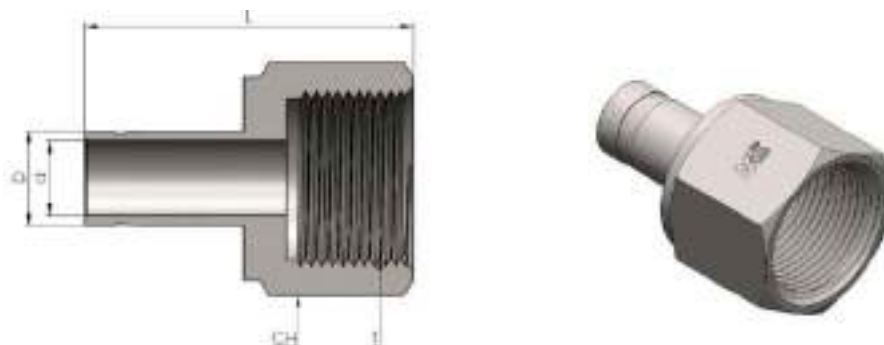
Codice Part Number	D		T (NPT)	d	CH		L
	in	mm			in	mm	
FFABSPT0202	1/8	3,17	1/8	2,03	9/16	14,28	31,50
FFABSPT0204	1/8	3,17	1/4	2,03	3/4	19,05	35,30
FFABSPT0302	3/16	4,76	1/8	3,04	9/16	14,28	32,00
FFABSPT0304	3/16	4,76	1/4	3,04	3/4	19,05	35,81
FFABSPT0402	1/4	6,35	1/8	4,32	9/16	14,28	33,02
FFABSPT0404	1/4	6,35	1/4	4,32	3/4	19,05	37,10
FFABSPT0406	1/4	6,35	3/8	4,32	7/8	22,22	39,37
FFABSPT0408	1/4	6,35	1/2	4,32	1.1/16	26,98	45,50
FFABSPT0502	5/16	7,93	1/8	5,59	9/16	14,28	34,29
FFABSPT0504	5/16	7,93	1/4	5,59	3/4	19,05	37,59
FFABSPT0602	3/8	9,52	1/8	6,86	9/16	14,28	34,29
FFABSPT0604	3/8	9,52	1/4	6,86	3/4	19,05	37,59
FFABSPT0606	3/8	9,52	3/8	6,86	7/8	22,22	40,38
FFABSPT0608	3/8	9,52	1/2	6,86	1.1/16	26,98	46,73
FFABSPT0804	1/2	12,70	1/4	9,40	3/4	19,05	43,43
FFABSPT0806	1/2	12,70	3/8	9,40	7/8	22,22	45,46
FFABSPT0808	1/2	12,70	1/2	9,40	1.1/16	26,98	51,80
FFABSPT1006	5/8	15,87	3/8	11,94	7/8	22,22	48,26
FFABSPT1008	5/8	15,87	1/2	11,94	1.1/16	26,98	53,84
FFABSPT1012	5/8	15,87	3/4	11,94	1.5/16	33,33	55,37
FFABSPT1208	3/4	19,05	1/2	14,73	1.1/16	26,98	52,83
FFABSPT1212	3/4	19,05	3/4	14,73	1.5/16	33,33	54,86
FFABSPT1216	3/4	19,05	1	14,73	1.5/8	41,27	58,42
FFABSPT1412	7/8	22,22	3/4	15,75	1.5/16	33,33	57,16
FFABSPT1612	1	25,40	3/4	20,32	1.5/16	33,33	60,70
FFABSPT1616	1	25,40	1	20,32	1.5/8	41,27	64,26
FFABSPT2020	1.1/4	31,75	1.1/4	25,91	2.1/8	53,97	77,72
FFABSPT2424	1.1/2	38,10	1.1/2	31,75	2.3/8	60,32	88,90
FFABSPT3232	2	50,80	2	43,69	2.7/8	70,02	107,44

Connects Metric Tubes

Codice Part Number	D	T (R)	d	CH	L
FFABSPT0302M	3	1/8	1,9	14	31,15
FFABSPT0602M	6	1/8	4,1	14	32,50
FFABSPT0604M	6	1/4	4,1	19	37,10
FFABSPT0804M	8	1/4	5,6	19	37,60
FFABSPT1004M	10	1/4	7,1	19	38,10
FFABSPT1006M	10	3/8	7,1	22	40,10
FFABSPT1008M	10	1/2	7,1	27	46,50
FFABSPT1204M	12	1/4	8,8	19	43,70
FFABSPT1206M	12	3/8	8,8	22	46,00
FFABSPT1208M	12	1/2	8,8	27	52,30
FFABSPT1812M	18	3/4	13,9	36	54,80

Adattatore Femmina BSP

BSP Female Adapter



Connects Fractional Tubes

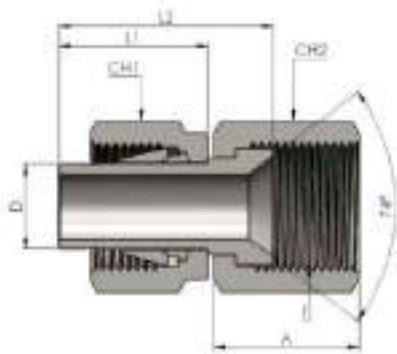
Codice Part Number	D		T (BSP)	d	CH		L
	in	mm			in	mm	
FFABSP0202	1/8	3,17	1/8	2,03	9/16	14,28	29,72
FFABSP0402	1/4	6,35	1/8	4,32	9/16	14,28	31,75
FFABSP0404	1/4	6,35	1/4	4,32	3/4	19,05	38,10
FFABSP0604	3/8	9,52	1/4	6,86	3/4	19,05	39,37
FFABSP0606	3/8	9,52	3/8	6,86	15/16	23,81	39,87
FFABSP0806	1/2	12,70	3/8	9,65	15/16	23,81	45,21
FFABSP0808	1/2	12,70	1/2	9,65	1.1/16	26,98	51,31

Connects Metric Tubes

Codice Part Number	D	T (BSP)	d	CH	L
FFABSP0602M	6	1/8	4,1	14	32,0
FFABSP0604M	6	1/4	4,1	19	37,8
FFABSP1208M	12	1/2	8,8	27	49,8

Adattatore Femmina JIC

JIC Female Adaptor

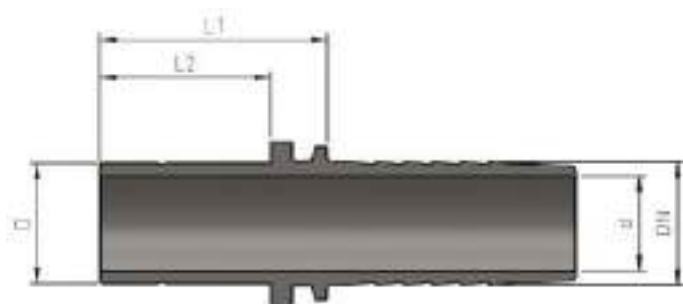


Connects Fractional Tubes

Codice Part Number	D		T (U)	CH1		CH2		L1	L2
	in	mm		in	mm	in	mm		
SFJIC0202	1/8	3,17	5/16-24	7/16	11,11	3/8	9,52	13,46	18,54
SFJIC0204	1/8	3,17	7/16-20	7/16	11,11	9/16	14,28	13,46	19,05
SFJIC0404	1/4	6,35	7/16-20	9/16	14,28	9/16	14,28	15,74	21,33
SFJIC0606	3/8	9,52	9/16-20	11/16	17,46	11/16	17,46	17,52	24,89
SFJIC0808	1/2	12,70	3/4-16	7/8	22,22	7/8	22,22	23,11	31,75

Femmina tubolare con scanalatura

Standpipe with groove



Connects Fractional Tubes

Codice Part Number	D	DN	L1	L2	d
IS0404WG	1/4"	1/4"	29,5	23,0	4,0
IS0604WG	3/8"	1/4"	31,5	25,0	4,0
IS0606WG	3/8"	3/8"	32,0	25,0	7,0
IS0805WG	1/2"	5/16"	32,0	25,0	5,5
IS0808WG	1/2"	1/2"	33,0	25,0	9,5
IS1008WG	5/8"	1/2"	33,0	25,0	9,5
IS1212WG	3/4"	3/4"	36,0	27,0	15,0
IS1616WG	1"	1"	40,0	30,0	20,0

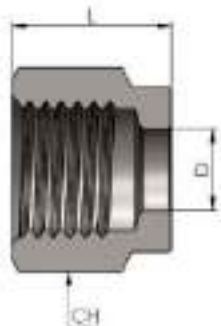
Connects Metric Tubes

Codice Part Number	D	DN	L1	L2	d
SLH0604WG	6,0	1/4"	29,5	23,0	4,0
SLH0804WG	8,0	1/4"	39,5	23,0	4,0
SLH1004WG	10,0	1/4"	31,5	25,0	4,0
SLH1006WG	10,0	3/8"	32,0	25,0	7,0
SLH1205WG	12,0	5/16"	35,0	28,0	5,5
SLH1206WG	12,0	3/8"	35,0	28,0	7,0
SLH1608WG	16,0	1/2"	38,0	30,0	9,5
SLH1610WG	16,0	5/8"	39,5	30,0	12,0
SLH1810WG	18,0	5/8"	39,5	30,0	12,0

Dado

Nut

with Silver Plated treatment



Fractional

Codice Part Number	D		CH		L
	in	mm	in	mm	
NUT01	1/16	1,58	5/16	7,94	7,90
NUT02	1/8	3,17	7/16	11,11	11,93
NUT03	3/16	4,76	1/2	12,70	11,93
NUT04	1/4	6,35	9/16	14,28	12,70
NUT05	5/16	7,93	5/8	15,87	13,46
NUT06	3/8	9,52	11/16	17,46	14,22
NUT08	1/2	12,70	7/8	22,22	17,52
NUT10	5/8	15,87	1	25,40	17,52
NUT12	3/4	19,05	1.1/8	28,57	17,52
NUT14	7/8	22,22	1.1/4	31,75	17,52
NUT16	1	25,40	1.1/2	38,10	20,57
NUT20	1.1/4	31,75	1.7/8	47,62	31,75
NUT24	1.1/2	38,10	2.1/4	57,15	38,10
NUT32	2	50,80	3	76,20	52,32

Metric

Codice Part Number	D	CH	L
NUT02M	2	11	11,9
NUT03M	3	11	11,9
NUT04M	4	12	11,9
NUT06M	6	14	12,7
NUT08M	8	16	13,5
NUT10M	10	19	15,1
NUT12M	12	22	17,4
NUT15M	15	25	17,4
NUT16M	16	25	17,4
NUT18M	18	30	17,4
NUT20M	20	32	17,4
NUT22M	22	32	17,4
NUT25M	25	38	20,6
NUT28M	28	46	30,6
NUT32M	32	50	34,4
NUT38M	38	60	40,6
NUT42M	42	65	44,7

Set Ogive

Ferrule Set

Front Ferrule



Back Ferrule



Fractional

Codice Part Number	D	
	in	mm
SET201	1/16	1,58
SET202	1/8	3,17
SET203	3/16	4,76
SET204	1/4	6,35
SET205	5/16	7,93
SET206	3/8	9,52
SET208	1/2	12,70
SET210	5/8	15,87
SET212	3/4	19,05
SET214	7/8	22,22
SET216	1	25,40

Metric

Codice Part Number	D
SET202M	2
SET203M	3
SET204M	4
SET206M	6
SET208M	8
SET210M	10
SET212M	12
SET214M	14
SET215M	15
SET216M	16
SET218M	18
SET220M	20
SET222M	22
SET225M	25

Calibri

Gauges



Codice Part Number	Fitting Size	
	in	mm
GAUGE1	1/8	2,3
GAUGE2	3/16	4
GAUGE3	1/4, 3/8, 1/2	6, 12
GAUGE4	1/4, 1/2	6, 8, 10, 12
GAUGE5	5/8	14, 15, 16
GAUGE6	3/4	18
GAUGE7	7/8	20, 22
GAUGE8	1	25