

# Press Fittings

We feel better under pressure

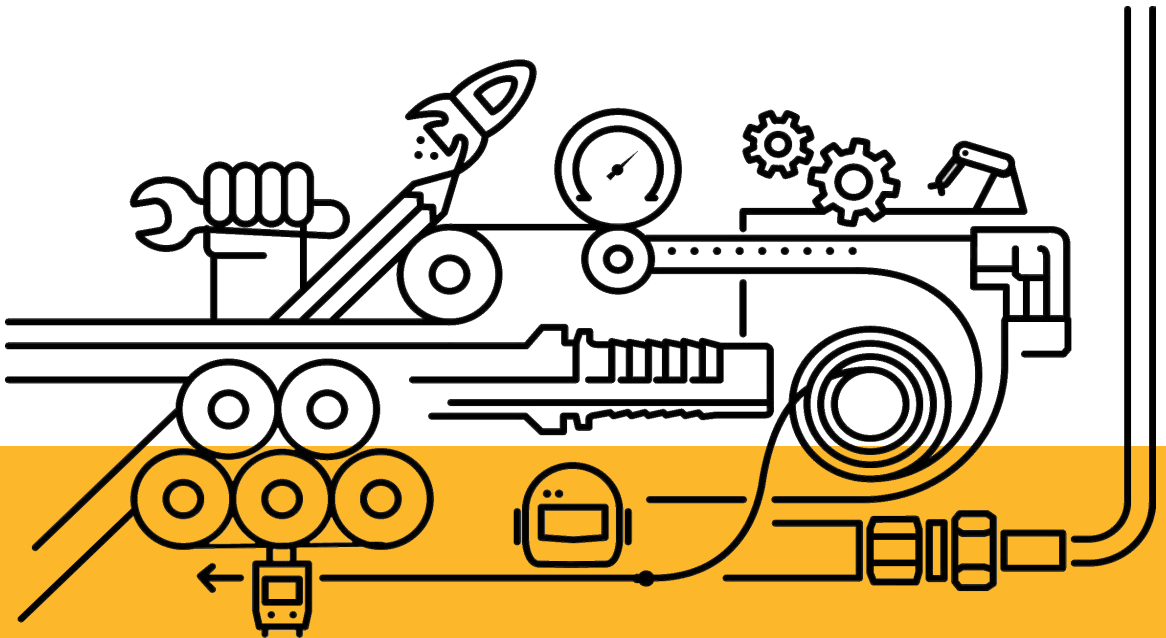






# Vitillo

Hydraulic Components



### Hoses



### Press fittings ISO 12151 SAE J516



### BSP adaptors BS 5200



### JIC adaptors SAE J514



### DIN 24° adaptors DIN 2353



### ORFS adaptors ORFS J1453



# Complete product range

Vitillo is your solution for any hydraulic applications. Spiral and braided hoses with metal and textile reinforcement, standard and interlock press fittings, BSP, JIC, DIN and ORFS adaptors, customized special fittings.

All our fittings and adaptors are available in Zinc chromium III plating, Zinc-nichel plating and Stainless steel.

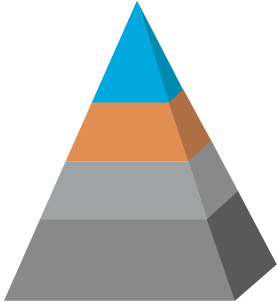
Whatever the customer's needs, Vitillo has the answer.

# Alternative Versions

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## Zinc Chromium III

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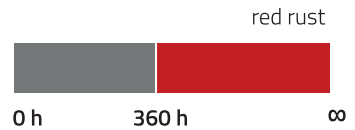


01. Sealing Layer

02. Passivation

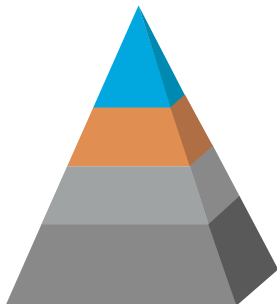
03. Zinc Cr III

04. Carbon Steel



## Zinc Nickel

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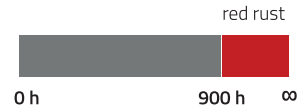


01. Sealing Layer

02. Passivation

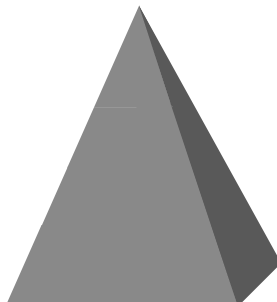
03. Zinc Cr III

04. Carbon Steel



## Stainless Steel

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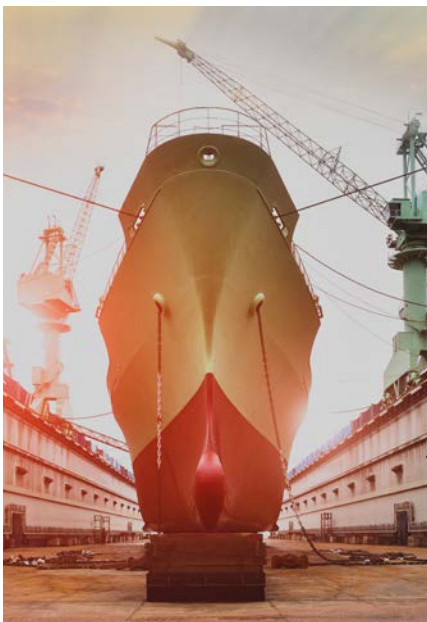
01. Stainless Steel





# Applications

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# High performances in very extreme conditions





# Certifications

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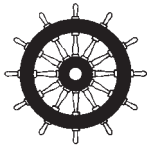
▼  
MINE SAFETY AND HEALTH  
ADMINISTRATION  
(MSHA )



▼  
DET NORSKE VERITAS (DNV)  
GERMANISCHER LLOYD (GL)



▼  
RINA (Registro Navale Italiano)



▼  
MarED



▼  
GOST-R



AC 149



HAMILTON

▼  
J.S. Hamilton Poland Sp. z.o.o. –  
Jednostka Certyfikująca



▼  
UNI EN 45545-2

## Visual index

Ferrules for Standard Fittings

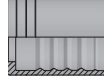
**B12T.N**  
FERRULE  
FOR 1SN/2SN/2SC  
(no skive) / Pg. 20



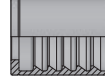
**B15C**  
FERRULE  
FOR 15C/15N/25C  
(no skive) / Pg. 21



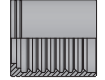
**B1K**  
FERRULE  
FOR 15C-R17-R7-R6  
(no skive) / Pg. 22



**B1T**  
FERRULE  
FOR 15N/R1AT  
(no skive) / Pg. 23



**B2T**  
FERRULE  
FOR 25N/R2AT  
(no skive) / Pg. 24



**B1R**  
FERRULE  
FOR 1ST/R2A  
(skive) / Pg. 25



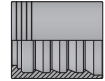
**B2R**  
FERRULE  
FOR 2ST/R2A  
(skive) / Pg. 26



**B3R**  
FERRULE  
FOR R3-R4  
(no skive) / Pg. 27



**B9R**  
FERRULE  
FOR 4SP  
(skive) / Pg. 28



**B4SH**  
FERRULE  
FOR 4SH  
(skive) / Pg. 29



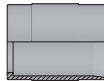
**B7R**  
FERRULE  
FOR R7  
(no skive) / Pg. 30



**BPTFE**  
FERRULE  
FOR BPTFE  
/ Pg. 31



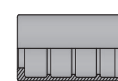
**BPTFEC**  
FERRULE  
FOR CORRUGATED  
BPTFE / Pg. 32



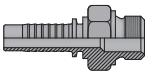
**B5K**  
FERRULE FOR  
4SP/4SH/R12/EL.4000/  
EL.5000 (no skive) / Pg. 33



**B6R**  
FERRULE FO...  
1TE/R6  
(no skive) / Pg. 34



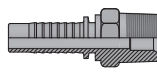
**MG**  
BSPP MALE 60° CONE  
/ Pg. 35



**M90G SW**  
BSPP SWIVEL MALE 90°  
ELBOW (compact forged)  
/Pg 37



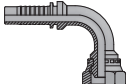
**MGK**  
BSPT TAPERED MALE  
/ Pg. 38



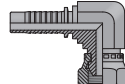
**FDG**  
BSPP FEMALE 60°  
CONE / Pg. 39



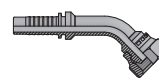
**F90G**  
BSPP FEMALE SWIVEL  
90° ELBOW / Pg. 41



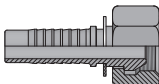
**F90G K**  
BSPP FEMALE 90°  
ELBOW (compact forged)  
/ Pg. 43



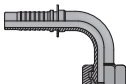
**F45G**  
BSPP FEMALE SWIVEL  
45° ELBOW / Pg. 44



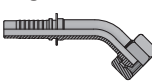
**FDG SF**  
BSPP FEMALE  
(slip-on nut) /Pg. 46



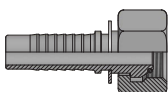
**F90G SF**  
BSPP FEMALE 90° EL-  
BOW (slip-on nut)  
/ Pg. 47



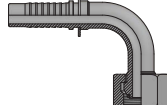
**F45G SF**  
BSPP FEMALE 45°  
ELBOW (slip-on nut)  
/ Pg. 48



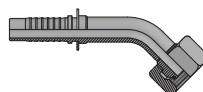
**FDG SF - OR**  
BSPP FEMALE  
(O Ring - slip-on nut) /  
Pg. 49



**F90G SF - OR**  
BSPP FEMALE 90° EL-  
BOW (O Ring - slip-on  
nut) / Pg. 50

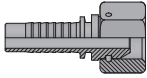
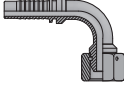
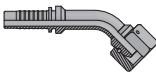
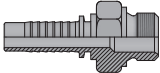
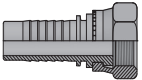
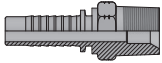
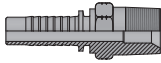
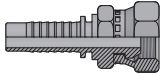
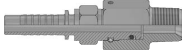
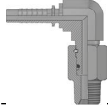
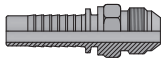
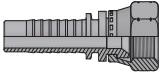
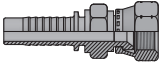
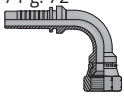
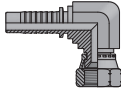

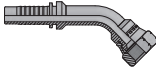
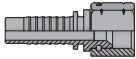
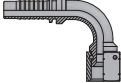
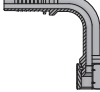
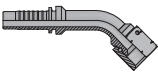
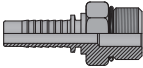
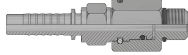
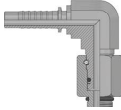

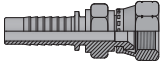
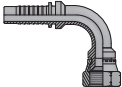
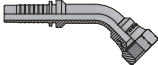


**F45G SF - OR**  
BSPP FEMALE 45°  
ELBOW (O Ring - slip-on  
nut) / Pg. 51



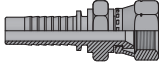
BSP - BSPT

# Visual index

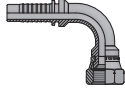
BSP - BSPT	<b>FDG SP</b> <b>BSPP FEMALE</b> (thrust-wire nut) / Pg. 52 	<b>F90G SP</b> <b>BSPP FEMALE 90°</b> <b>ELBOW</b> (thrust-wire nut) / Pg. 54 	<b>F45G SP</b> <b>BSPP FEMALE 45°</b> <b>ELBOW</b> (thrust-wire nut) Pg. 56 	<b>MGSP</b> <b>BSPP MALE</b> (flat seat) / Pg. 58 	<b>FGSP</b> <b>BSPP FEMALE</b> (flat seat) / Pg. 59 	
	NPT	<b>MNPT</b> <b>NPTF MALE</b> / Pg. 60 	<b>MNPT LN</b> <b>NPTF MALE</b> (long nose) / Pg. 62 	<b>FNPSM</b> <b>NPSM FEMALE</b> / Pg. 63 	<b>MNPT SW</b> <b>NPTF SWIVEL MALE</b> / Pg. 64 	
		<b>M90NPTF SW</b> <b>NPTF SWIVEL MALE 90°</b> <b>ELBOW</b> / Pg. 65 	<b>MJ</b> <b>JIC 37° MALE</b> / Pg. 66 	<b>FDJ</b> <b>JIC 37° FEMALE</b> / Pg. 68 	<b>FDJ GIR</b> <b>JIC 37° FEMALE SWIVEL</b> (double hex) / Pg.70 	<b>F90J</b> <b>JIC 37° FEMALE</b> <b>SWIVEL 90°</b> / Pg. 72 
		<b>F90J K</b> <b>JIC 37° FEMALE 90°</b> <b>ELBOW</b> (compact forged) / Pg. 74 	<b>F90J LD</b> <b>JIC 37° FEMALE SWIVEL</b> <b>90°</b> (long drop) / Pg. 76 	<b>F45J</b> <b>JIC 37° FEMALE SWIVEL</b> <b>45°</b> / Pg. 77 		
		JIC 37°	<b>FDJ SP</b> <b>JIC 37° FEMALE</b> (thrust-wire nut) / Pg. 78 	<b>F90J SP</b> <b>JIC 37° FEMALE SWIVEL</b> <b>90°</b> (thrust-wirenut) / Pg. 80 	<b>F90J SPLD</b> <b>JIC 37° FEMALE SWIVEL</b> <b>90°</b> (thrust-wire nut long drop) / Pg. 82 	<b>F45J SP</b> <b>JIC 37° FEMALE SWIVEL</b> <b>45°</b> (thrust-wirenut) / Pg. 83 
SAE	<b>MOB</b> <b>O-RING BOSS MALE</b> / Pg. 85 		<b>MOB SW</b> <b>O-RING BOSS MALE</b> <b>SWIVEL</b> / Pg. 86 	<b>MOB90 SW</b> <b>O-RING BOSS SWIVEL</b> <b>MALE 90° ELBOW</b> / Pg. 87 		
	<b>MJ..SV45</b> <b>SAE 45° MALE</b> / Pg. 88 		<b>FDJ..GIR45</b> <b>SAE 45° FEMALE</b> <b>SWIVEL</b> (double hexagon) / Pg.89 	<b>F90J..SV45</b> <b>SAE 45° FEMALE</b> <b>90° ELBOW</b> / Pg. 90 	<b>F45J..SV45</b> <b>SAE 45° FEMALE</b> <b>45° ELBOW</b> / Pg. 91 	

# Visual index

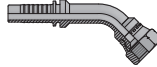
**FDK**  
KOMATSU STYLE  
FEMALE SWIVEL  
(cone 60°) / Pg. 92



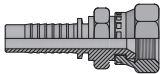
**F90K**  
KOMATSU STYLE  
FEMALE SWIVEL 90°  
ELBOW / Pg. 93



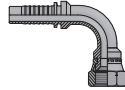
**F45K**  
KOMATSU STYLE  
FEMALE SWIVEL 45°  
ELBOW / Pg. 94



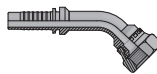
**FDT**  
TOYOTA STYLE FEMALE  
SWIVEL  
(cone 60°) / Pg. 95



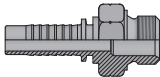
**F90T**  
TOYOTA STYLE FEMALE  
SWIVEL 90° ELBOW  
/ Pg. 96



**F45T**  
TOYOTA STYLE FEMALE  
SWIVEL 45° ELBOW  
/ Pg. 97



**MM**  
METRIC MALE 60° CONE  
/Pg. 98



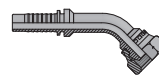
**FDM**  
METRIC FEMALE  
60° CONE  
/ Pg. 100



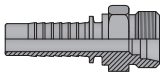
**F90M**  
METRIC° FEMALE  
SWIVEL 90° ELBOW  
/ Pg. 102



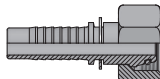
**F45M**  
METRIC FEMALE  
SWIVEL 45° ELBOW  
/ Pg. 104



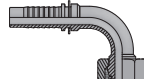
**ME L**  
METRIC MALE 24°  
CONE L TYPE / Pg. 106



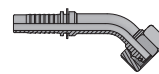
**FE L**  
METRIC FEMALE 24°  
CONE L TYPE / Pg. 108



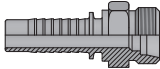
**F90E L**  
METRIC FEMALE  
24° CONE 90° ELBOW L  
TYPE / Pg. 110



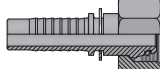
**F45E L**  
METRIC FEMALE  
24° CONE 45° ELBOW  
L TYPE / Pg. 112



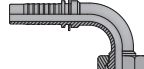
**ME S**  
METRIC MALE  
24° CONE -S TYPE  
/ Pg. 114



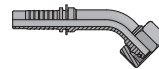
**FE S**  
METRIC FEMALE  
24° CONE -S TYPE  
/ Pg. 116



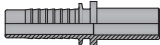
**F90E S**  
METRIC FEMALE  
24° CONE 90° ELBOW  
S TYPE / Pg. 118



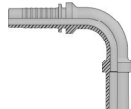
**F45E S**  
METRIC FEMALE  
24° CONE 45° ELBOW  
S TYPE / Pg. 120



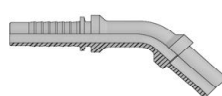
**PDL**  
STANDPIPE  
/ Pg. 122



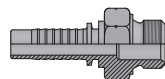
**P90L**  
STANDPIPE 90° ELBOW  
/ Pg. 124



**P45L**  
STANDPIPE 40° ELBOW  
/ Pg. 125



**MAV**  
METRIC MALE FOR  
AGRICULTURE VALVES  
/Pg. 126



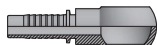
JIS

METRIC/DIN

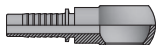
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## BANJO

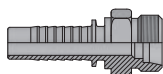
**OG**  
BSP BANJO  
/ Pg. 127



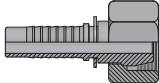
**OM**  
METRIC BANJO  
/ Pg. 129



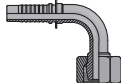
**ME F**  
METRIC MALE 24° CONE  
(french type) / Pg. 131



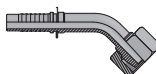
**FE F**  
METRIC FEMALE  
24° CONE (french type)  
/ Pg. 132



**F90E F**  
METRIC FEMALE  
24° CONE 90°  
(french type) / Pg. 133

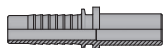


**F45E F**  
METRIC FEMALE  
24° CONE 45°  
(french type) / Pg. 134

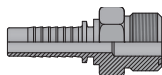


## METRIC FRENCH

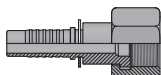
**PDL F**  
STANDPIPE FRENCH  
TYPE / Pg. 135



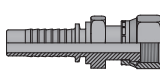
**MORFS**  
ORFS MALE  
/ Pg. 136



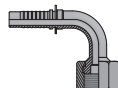
**FORFS**  
ORFS FEMALE  
/ Pg. 137



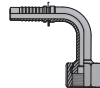
**FORFS GIR**  
ORFS FEMALE  
(doble exagon) / Pg. 138



**F90ORFS**  
ORFS FEMALE SWIVEL  
90° ELBOW / Pg. 139

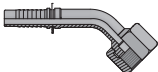


**F90ORFS LD**  
ORFS FEMALE  
SWIVEL 90° ELBOW  
(long drop) / Pg. 140

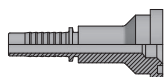


## ORFS

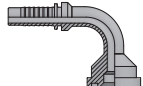
**F45ORFS**  
ORFS FEMALE SWIVEL  
45° ELBOW / Pg. 141



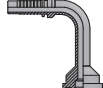
**FDL**  
FLANGE CODE 61 3000  
PSI / Pg. 142



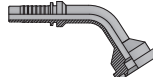
**F90L**  
FLANGE CODE 61  
90° ELBOW 3000 PSI  
/ Pg. 143



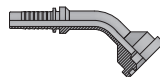
**F90L LD**  
FLANGE CODE 61  
90° ELBOW 3000 PSI LD  
/ Pg. 144



**F60L**  
FLANGE CODE 61  
60° ELBOW 3000 PSI  
/ Pg. 145

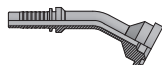


**F45L**  
FLANGE CODE 61  
45° ELBOW 3000  
PSI / Pg. 146

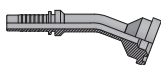


## FLANGES

**F30L**  
FLANGE CODE 61  
30° ELBOW 3000 PSI  
/ Pg. 147



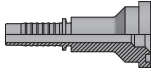
**F22.5L**  
FLANGE CODE 61  
22.5° ELBOW 3000 PSI  
/ Pg. 148



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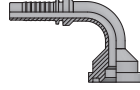
## FDP

FLANGE CODE 62  
6000 PSI  
/ Pg. 149



## F90P

FLANGE CODE 62  
90° ELBOW 6000 PSI  
/ Pg. 150



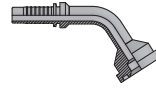
## F90P LD

FLANGE CODE 62  
90° ELBOW 6000 PSI LD  
/ Pg. 151



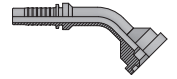
## F60P

FLANGE CODE 62  
60° ELBOW 6000 PSI  
/ Pg. 152



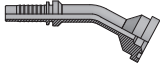
## F45P

FLANGE CODE 62  
45° ELBOW 6000  
PSI / Pg. 153



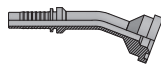
## F30P

FLANGE CODE 62  
30° ELBOW 6000 PSI  
/ Pg. 154



## F22.5P

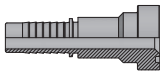
FLANGE CODE 62  
22.5° ELBOW 6000 PSI  
/ Pg. 155



### FLANGES

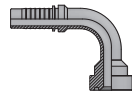
## FDS

SUPERCAT FLANGE  
/ Pg. 156



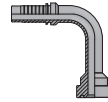
## F90S

SUPERCAT FLANGE 90°  
/ Pg. 157



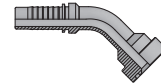
## F90S LD

SUPERCAT FLANGE  
90° / Pg. 158



## F45S

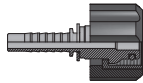
SUPERCAT FLANGE  
45° / Pg. 159



### High-Pressure Cleaning

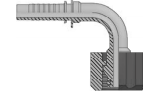
## FDW T

WATERJET CLEANER  
FEMALE FK TYPE  
/ Pg. 160



## F90W T

WATERJET CLEANER  
FEMALE 90° ELBOW FK  
TYPE / Pg. 161



## FW D

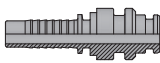
PISTOL WASH CLEANER  
JUNCTION / Pg.162



### STAPLE-LOCK

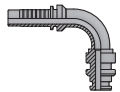
## MINE

STAPLE-LOCK MALE  
/ Pg. 163



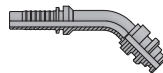
## MINE 90

STAPLE-LOCK MALE  
/ Pg. 164



## MINE 45

STAPLE-LOCK MALE  
/ Pg. 165



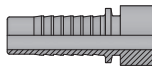
## GD

DOUBLE CONNECTOR  
/ Pg. 166



## CS

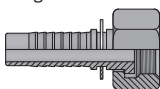
BRAZING TAIL  
/ Pg. 167



### OTHERS

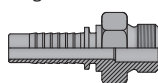
## FW

WHITWORTH CO2  
FEMALE  
/ Pg. 168



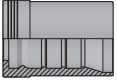

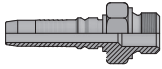
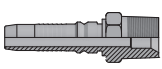
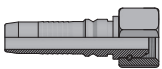
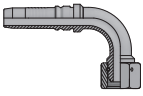
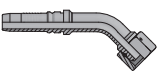
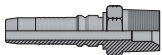
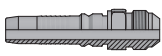
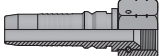
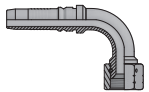
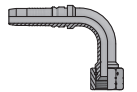

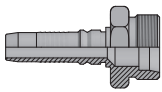
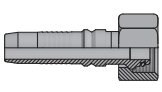
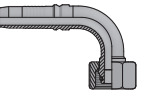
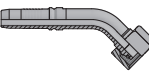
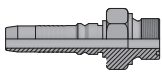
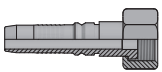
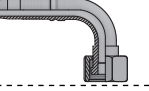
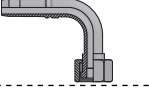
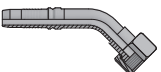
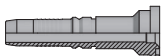
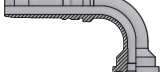
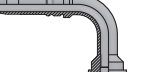
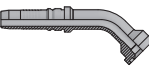
## MW

WHITWORTH CO2  
MALE  
/ Pg. 169





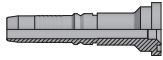
## Visual index

Interlock Ferrules	<b>KB4SH</b> FERRULE FOR 4SH (skive) / Pg. 172 	<b>KBH</b> FERRULE FOR R13/R15 (skive) / Pg. 173 			
Interlock BSP - PSPT	<b>KMG</b> INTERLOCK BSPP MALE / Pg.174 	<b>KMGK</b> INTERLOCK BSPT MALE / Pg. 175 	<b>KFDG</b> INTERLOCK BSPP FEMALE / Pg.176 	<b>KF90G</b> INTERLOCK BSPP FEMALE 90° ELBOW / Pg.177 	<b>KF45G</b> INTERLOCK BSPP FEMALE 45° ELBOW / Pg. 178 
Interlock NPT	<b>KMPTF</b> INTERLOCK MNPTF MALE / Pg. 179 				
Interlock JIC 37°	<b>KMJ</b> INTERLOCK JIC MALE / Pg. 180 	<b>KFDJ</b> INTERLOCK JIC FEMALE / Pg. 181 	<b>KF90J</b> INTERLOCK JIC FEMALE 90° ELBOW / Pg. 182 	<b>KF90J LD</b> INTERLOCK JIC FEMALE 90° ELBOW (LONG DROP) / Pg. 183 	<b>KF45J</b> INTERLOCK JIC FEMALE 45° ELBOW / Pg. 184 
Interlock DIN	<b>KME S</b> INTERLOCK METRIC MALE 24° CONE-S TYPE / Pg. 185 	<b>KFE S</b> INTERLOCK METRIC FEMALE 24° CONE-S TYPE / Pg. 186 	<b>KF90E S</b> INTERLOCK METRIC FEMALE 24° CONE-S TYPE - 90° / Pg. 187 	<b>KF45E S</b> INTERLOCK METRIC FEMALE 24° CONE-S TYPE - 45° / Pg. 188 	
Interlock ORFS	<b>KMORFS</b> INTERLOCK ORFS MALE / Pg. 189 	<b>KFORFS</b> INTERLOCK ORFS FEMALE / Pg. 190 	<b>KF90ORFS</b> INTERLOCK ORFS FEMALE 90° ELBOW / Pg. 191 	<b>KF90ORFSLD</b> INTERLOCK ORFS FE- MALE 90° ELBOW / Pg.192 	<b>KF45ORFS</b> INTERLOCK ORFS FEMALE 45° ELBOW / Pg.193 
Interlock Flanges	<b>KFDL</b> INTERLOCK FLANGE CODE 61 3000 PSI / Pg. 194 	<b>KF90L</b> INTERLOCK FLANGE CODE 61 90° ELBOW 3000 PSI / Pg. 195 	<b>KF90L LD</b> INTERLOCK FLANGE C. 6190° ELBOW 3000 PSI LD / Pg. 196 	<b>KF45L</b> INTERLOCK FLANGE CODE 61 45° ELBOW 3000 PSI / Pg. 197 	

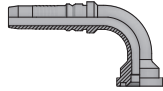


## Visual index

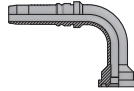
**KFDP**  
**INTERLOCK FLANGE**  
**CODE 62 6000 PSI**  
 / Pg. 198



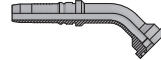
**KF90P**  
**INTERLOCK FLANGE**  
**CODE 62 90° ELBOW**  
**6000 PSI / Pg. 199**



**KF90P LD**  
**INTERLOCK FLANGE C.**  
**62 90° ELBOW 6000**  
**PSI LD / Pg. 200**

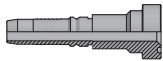


**KF45P**  
**INTERLOCK FLANGE**  
**CODE 62 45° ELBOW**  
**6000 PSI / Pg. 201**

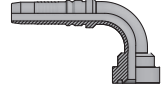


Interlock Flanges

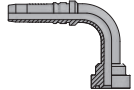
**KFDS**  
**INTERLOCK FLANGE**  
**SUPERCAT STILE**  
 / Pg. 202



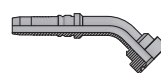
**KF90S**  
**INTERLOCK FLANGE SU-**  
**PERCAT STILE 90° EL-**  
**BOW / Pg. 203**



**KF90S LD**  
**INTERLOCK FLANGE SU-**  
**PERCAT STILE 90° EL-**  
**BOW / Pg. 204**

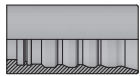


**KF45S**  
**INTERLOCK FLANGE SU-**  
**PERCAT STILE 45° EL-**  
**BOW / Pg. 205**

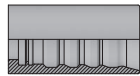


Waterblast

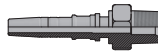
**WB4**  
**FERRULE WATERBLAST**  
**HOSE**  
 (4 spiral) / Pg. 208



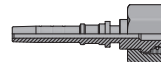
**WB6**  
**FERRULE WATERBLAST**  
**HOSE**  
 (6 spiral) / Pg. 209



**KMNPTF WB**  
**NPTF MALE FOR**  
**WATERBLAST HOSE**  
 / Pg. 210



**KFE S WB**  
**METRIC FEMALE FOR**  
**WATERBLAST HOSE**  
 / Pg. 211



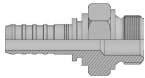
## Visual index

**HB.NS**  
**FERRULE**  
**FOR SPIRAL HOSE**  
 (no skive) / Pg. 214

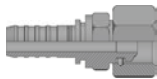


FERRULE

**HMG**  
**BSPP MALE 60° CONE**  
 / Pg. 215

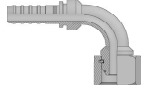


**HFDG.SP**  
**BSPP FEMALE**  
 (thrust-wire nut)  
 / Pg. 216

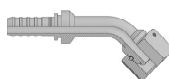


BSP

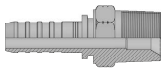
**HF90G.SP**  
**BSPP FEMALE 90°**  
**ELBOW** (thrust-wire nut)  
 / Pg. 217



**HF45G.SP**  
**BSPP FEMALE 45°**  
**ELBOW** (thrust-wire nut)  
 / Pg. 218

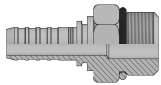


**HMNPTF**  
**NPTF MALE**  
 / Pg. 219



NPTF

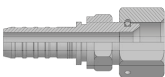
**HMOB**  
**O-RING BOSS MALE**  
 / Pg. 220



**HMJ**  
**JIC 37° MALE**  
 / Pg. 221

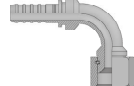


**HFDJ SP**  
**JIC 37° FEMALE**  
 (thrust-wire nut)  
 / Pg.222

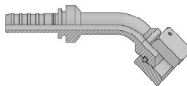


JIC

**HF90J SP**  
**JIC 37° FEMALE SWIVEL**  
**90°** (thrust-wire nut)  
 / Pg. 223



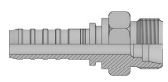
**HF45J SP**  
**JIC 37° FEMALE SWIVEL**  
**45°** (thrust-wire nut)  
 / Pg.224



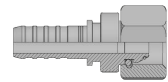
# Visual index

METRIC / DIN

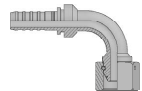
**HME.L**  
METRIC MALE 24°  
CONE L TYPE / Pg. 225



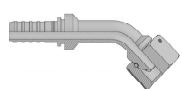
**HFE.L**  
METRIC FEMALE 24°  
CONE L TYPE / Pg. 226



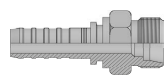
**HF90E.L**  
METRIC FEMALE  
24° CONE 90° ELBOW  
L TYPE / Pg. 227



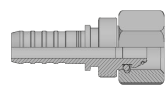
**HF45E.L**  
METRIC FEMALE  
24° CONE 45° ELBOW  
L TYPE / Pg. 228



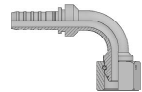
**HME.S**  
METRIC MALE  
24° CONE -S TYPE  
/ Pg. 229



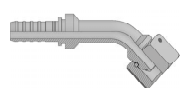
**HFE.S**  
METRIC FEMALE  
24° CONE -S TYPE  
/ Pg. 230



**HF90E.S**  
METRIC FEMALE  
24° CONE 90° ELBOW  
S TYPE / Pg. 231

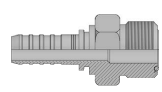


**HF45E.S**  
METRIC FEMALE  
24° CONE 45° ELBOW  
S TYPE / Pg. 232



ORFS

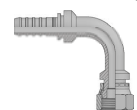
**HMORFS**  
ORFS MALE  
/ Pg. 233



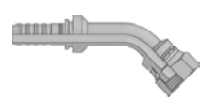
**HFORFS**  
ORFS FEMALE  
(doble exagon) / Pg. 234



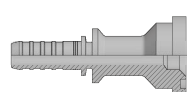
**HF90ORFS**  
ORFS FEMALE SWIVEL  
90° ELBOW / Pg. 235



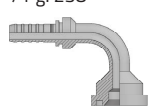
**HF45ORFS**  
ORFS FEMALE SWIVEL  
45° ELBOW / Pg. 236



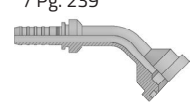
**HFDL**  
FLANGE CODE 61  
3000 PSI / Pg. 237



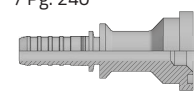
**HF90L**  
FLANGE CODE 61  
90° ELBOW 3000 PSI  
/ Pg. 238



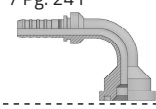
**HF45L**  
FLANGE CODE 61  
45° ELBOW 3000 PSI  
/ Pg. 239



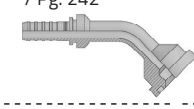
**HFDP**  
FLANGE CODE 62  
6000 PSI  
/ Pg. 240



**HF90P**  
FLANGE CODE 62  
90° ELBOW 6000 PSI  
/ Pg. 241

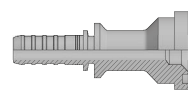


**HF45P**  
FLANGE CODE 62  
45° ELBOW 6000 PSI  
/ Pg. 242

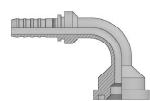


FLANGES

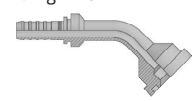
**HFDS**  
SUPERCAT FLANGE  
/ Pg. 243



**HF90S**  
SUPERCAT FLANGE  
90° ELBOW  
/ Pg. 244



**HF45S**  
SUPERCAT FLANGE  
90° ELBOW  
/ Pg. 245

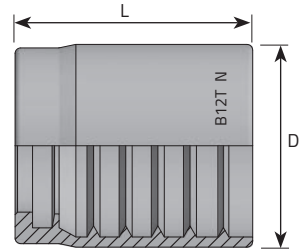


# Standard

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## FERRULE FOR 1SN/2SN/2SC

BOCCOLA PER TUBO 1SN/2SN/2SC  
 JUPE POUR 1SN/2SN/2SC  
 PRESSHÜLSE 1SN/2SN/2SC  
 CASQUILLO PARA 1SN/2SN/2SC



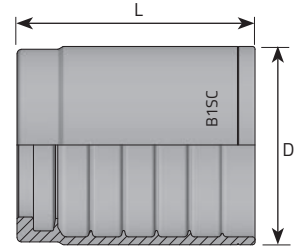
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B12T03N	-3	3/16"	4.8		21	23	
B12T04N	-4	1/4"	6.4		23	30	
B12T05N	-5	5/16"	7.9		24	30	
B12T06N	-6	3/8"	9.5		26	32	
B12T08N	-8	1/2"	12.8		29	34	
B12T10N	-10	5/8"	16		33	37	
B12T12N	-12	3/4"	19		37	42	
B12T16N	-16	1"	25.4		46	51	
B12T20N	-20	1.1/4"	31.8		59	59	
B12T24N	-24	1.1/2"	38.1		67	67	
B12T32N	-32	2"	50.8		80	72	

## FERRULE FOR 1SC/1SN/2SC

BOCCOLA PER TUBO 1SC/1SN/2SC  
 JUPE POUR 1SC/1SN/2SC  
 PRESSHÜLSE 1SC/1SN/2SC  
 CASQUILLO PARA 1SC/1SN/2SC



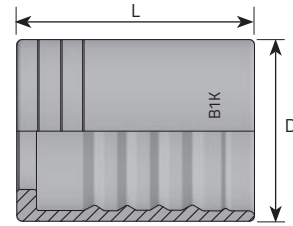
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B1SC04	-4	1/4"	6.4		20	30	
B1SC05	-5	5/16"	7.9		22	30	
B1SC06	-6	3/8"	9.5		24	32	
B1SC08	-8	1/2"	12.8		28	34	
B1SC10	-10	5/8"	16		32	37	
B1SC12	-12	3/4"	19		35	42	
B1SC16	-16	1"	25.4		43	51	

## FERRULE FOR 1SC-SLIM-R17-R7-R6 1TE/2TE

BOCCOLA PER TUBO 1SC-SLIM-R17-R7-R6 1TE-R6 2TE  
 JUPE POUR 1SC-SLIM-R17-R7-R6 1TE-R6 2TE  
 PRESSHÜLSE 1SC-SLIM-R17-R7-R6 1TE-R6 2TE  
 CASQUILLO PARA 1SC-SLIM-R17-R7-R6 1TE-R6 2TE

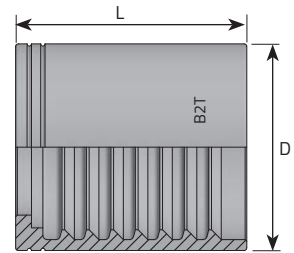


IDENTIFICATION: PRINTED CODE OR SCRATCHES

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B1K04	-4	1/4"	6.4		18	30	
B1K05	-5	5/16"	7.9		20	30	
B1K06	-6	3/8"	9.5		22	32	
B1K08	-8	1/2"	12.8		26	34	
B1K10	-10	5/8"	16		30	37	
B1K12	-12	3/4"	19		33	42	
B1K16	-16	1"	25.4		41	51	
B1K20	-20	1.1/4"	31.8		48	57	
B1K24	-24	1.1/2"	38.1		56	66	
B1K32	-32	2"	50.8		68	70	

## FERRULE FOR 1SN/R1AT

BOCCOLA PER TUBO 1SN/R1AT  
 JUPE POUR 1SN/R1AT  
 PRESSHÜLSE 1SN/R1AT  
 CASQUILLO PARA 1SN/R1AT



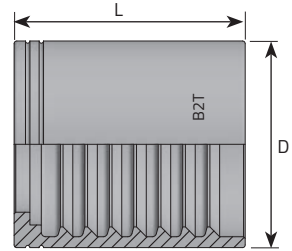
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B1T03	-3	3/16"	4.8		19	26	
B1T04	-4	1/4"	6.4		20	30	
B1T05	-5	5/16"	7.9		22	30.5	
B1T06	-6	3/8"	9.5		24	32	
B1T08	-8	1/2"	12.8		29	34	
B1T10	-10	5/8"	16		32	37	
B1T12	-12	3/4"	19		36	42.5	
B1T16	-16	1"	25.4		43	50.5	
B1T20	-20	1.1/4"	31.8		53	59	
B1T24	-24	1.1/2"	38.1		60	63	



## FERRULE FOR 2SN/R2AT

BOCCOLA PER TUBO 2SN/R2AT  
 JUPE POUR 2SN/R2AT  
 PRESSHÜLSE 2SN/R2AT  
 CASQUILLO PARA 2SN/R2AT



No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

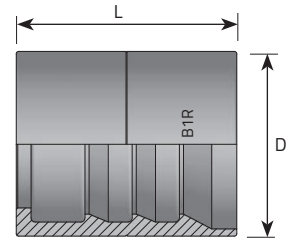
Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B2T03	-3	3/16"	4.8		20	26	
B2T04	-4	1/4"	6.4		22	30	
B2T05	-5	5/16"	7.9		24	30.5	
B2T06	-6	3/8"	9.5		25.5	31.5	
B2T08	-8	1/2"	12.8		30	34	
B2T10	-10	5/8"	16		34	37	
B2T12	-12	3/4"	19		38	42.5	
B2T16	-16	1"	25.4		46	50	
B2T20	-20	1.1/4"	31.8		56	59	
B2T24	-24	1.1/2"	38.1		64	63	

## FERRULE FOR 1ST/R1A

BOCCOLA PER TUBO 1ST/R1A  
 JUPE POUR 1ST/R1A  
 PRESSHÜLSE 1ST/R1A  
 CASQUILLO PARA 1ST/R1A

Skive - A pelare - Dénudable -  
 Schaelfassung - A pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES



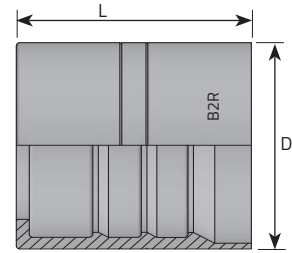
Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
	Inch	mm	mm		mm	mm	
B1R03	-3	3/16"	4.8		17	26.5	
<b>B1R04</b>	<b>-4</b>	<b>1/4"</b>	<b>6.4</b>		<b>20</b>	<b>29.5</b>	
B1R05	-5	5/16"	7.9		22	29.5	
<b>B1R06</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>		<b>24</b>	<b>32</b>	
B1R08	-8	1/2"	12.8		29	34	
<b>B1R10</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>		<b>32</b>	<b>37</b>	
B1R12	-12	3/4"	19		36	43	
<b>B1R16</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>		<b>43</b>	<b>50</b>	
B1R20	-20	1.1/4"	31.8		52	57	
<b>B1R24</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>		<b>57</b>	<b>63</b>	
B1R32	-32	2"	50.8		70	78	

## FERRULE FOR 2ST/R2A

BOCCOLA PER TUBO 2ST/R2A  
 JUPE POUR 2ST/R2A  
 PRESSHÜLSE 2ST/R2A  
 CASQUILLO PARA 12ST/R2A

Skive - A pelare - Dénudable -  
 Schaelfassung - A pelar

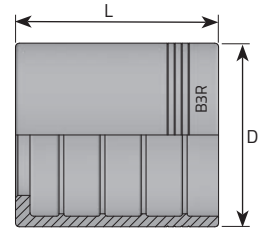
IDENTIFICATION: PRINTED CODE OR SCRATCHES



Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B2R03	-3	3/16"	4.8		20	27	
B2R04	-4	1/4"	6.4		22	30	
B2R05	-5	5/16"	7.9		24	30	
B2R06	-6	3/8"	9.5		26	32	
B2R08	-8	1/2"	12.8		30	34	
B2R10	-10	5/8"	16		34	37	
B2R12	-12	3/4"	19		38	43	
B2R16	-16	1"	25.4		46	50	
B2R20	-20	1.1/4"	31.8		56	59	
B2R24	-24	1.1/2"	38.1		62	63	
B2R32	-32	2"	50.8		75	79	

## FERRULE FOR R3-R4

BOCCOLA PER TUBO R3/R4  
 JUPE POUR R3/R4  
 PRESSHÜLSE R3/R4  
 CASQUILLO PARA R3/R4



No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

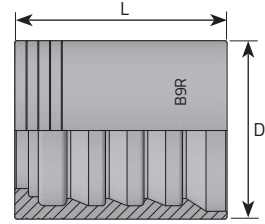
Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B3R04	-4	1/4"	6.4		19	29	
B3R05	-5	5/16"	7.9		22	30	
B3R06	-6	3/8"	9.5		24	31	
B3R08	-8	1/2"	12.8		28.5	34	
B3R10	-10	5/8"	16		32	36	
B3R12	-12	3/4"	19		38	42	
B3R16	-16	1"	25.4		46	50	
B3R20	-20	1.1/4"	31.8		52	57	

## FERRULE FOR R9R-4SP

BOCCOLA PER TUBO R9R-4SP  
 JUPE POUR R9R-4SP  
 PRESSHÜLSE R9R-4SP  
 CASQUILLO PARA R9R-4SP

Skive - A pelare - Dénudable -  
 Schaelfassung - A pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES



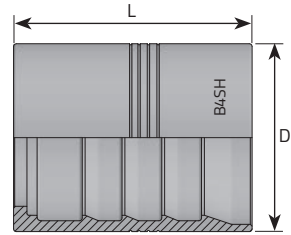
Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B9R04	-4	1/4"	6.4		22	30	
<b>B9R06</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>		<b>26</b>	<b>32</b>	
B9R08	-8	1/2"	12.8		30	34	
<b>B9R10</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>		<b>34</b>	<b>40</b>	
B9R12	-12	3/4"	19		38	45.2	
<b>B9R16</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>		<b>46</b>	<b>56</b>	
B9R20	-20	1.1/4"	31.8		59	66	
<b>B9R24</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>		<b>65</b>	<b>76.5</b>	
B9R32	-32	2"	50.8		80	80	

## FERRULE FOR 4SH (skive)

BOCCOLA PER TUBO 4SH  
 JUPE POUR 4SH  
 PRESSHÜLSE 4SH  
 CASQUILLO PARA 4SH

Skive - A pelare - Dénudable -  
 Schaelfassung - A pelar

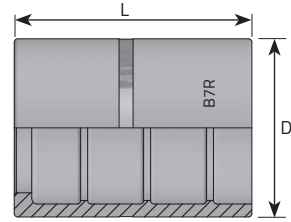
IDENTIFICATION: PRINTED CODE OR SCRATCHES



Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B4SH20	-20	1.1/4"	31.8		52	66	
<b>B4SH24</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>		<b>62</b>	<b>76.5</b>	
B4SH32	-32	2"	50.8		75	80	

## FERRULE FOR R7/MTH 1/R6

BOCCOLA PER TUBO R7/MTH1/R6  
 JUPE POUR R7/MTH1/R6  
 PRESSHÜLSE R7/MTH1/R6  
 CASQUILLO PARA R7/MTH1/R6



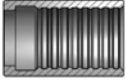
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

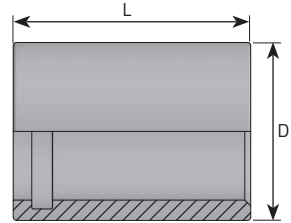
Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B7R03	-3	3/16"	4.8		14	30	
B7R04	-4	1/4"	6.4		17	30	
B7R05	-5	5/16"	7.9		19	30	
B7R06	-6	3/8"	9.5		21	30	
B7R08	-8	1/2"	12.8		25.5	34	
B7R10	-10	5/8"	16		28.5	36	
B7R12	-12	3/4"	19		32	42	
B7R16	-16	1"	25.4		40	50	

## FERRULE FOR PTFE

BOCCOLA PER TUBO PTFE  
 JUPE POUR PTFE  
 PRESSHÜLSE PTFE  
 CASQUILLO PARA PTFE



\* version with grooves  
 versione scanalata

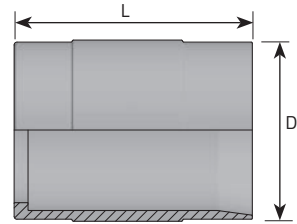


	Code	Tube			Thread	Dimensions		Pressure
		D.N.	Hose	Diam		D	L	
			Inch	mm		mm	mm	
*	BPTFE03	-3	3/16"	4.8		14	25	
	BPTFE04	-4	1/4"	6.4		16	26.5	
*	BPTFE05	-5	5/16"	7.9		17	25	
	BPTFE06	-6	3/8"	9.5		19	30	
	BPTFE08	-8	1/2"	12.8		24	32	
	BPTFE10	-10	5/8"	16		25.5	34	
	BPTFE12	-12	3/4"	19		30.5	40	
	BPTFE16	-16	1"	25.4		37	47	



## FERRULE FOR PTFE CORRUGATED

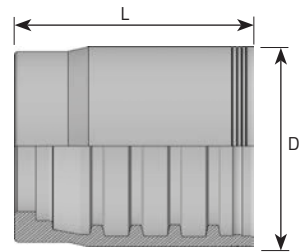
BOCCOLA PER TUBO PTFE CORRUGATA  
 JUPE POUR PTFE ONDULE'  
 PRESSHÜLSE PTFE GEWELLT  
 CASQUILLO PARA PTFE CORRUGADO



Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
BPTFEC04	-4	1/4"	6.4		17.8	26.5	
BPTFEC06	-6	3/8"	9.5		20	30.5	
BPTFEC08	-8	1/2"	12.8		24	33	
BPTFEC10	-10	5/8"	16		29	31	
BPTFEC12	-12	3/4"	19		31.1	41	
BPTFEC16	-16	1"	25.4		38	47	
BPTFEC20	-20	1.1/4"	31.8		49.5	53	
BPTFEC24	-24	1.1/2"	38.1		55.3	58.5	
BPTFEC32	-32	2"	50.8		69	72	

## FERRULE FOR 4SP/4SH/R12/ ELASTIK4000/ELASTIK5000

BOCCOLA PER TUBO 4SP/4SH/R12/ELASTIK 4000 / 5000  
 JUPE POUR 4SP/4SH/R12 ELASTIK 4000 / 5000  
 PRESSHÜLSE 4SP/4SH/R12 ELASTIK 4000 / 5000  
 CASQUILLO PARA 4SP/4SH/R12 ELASTIK 4000 / 5000



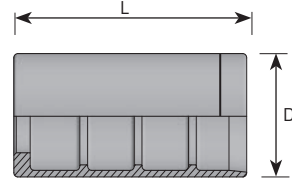
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B5K06	-6	3/8"	9.5		33	33	
B5K08	-8	1/2"	12.8		35.5	36	
B5K10	-10	5/8"	16		40.5	40	
B5K12	-12	3/4"	19		43.5	44	
B5K16	-16	1"	25.4		51	54.4	
B5K204	-20	1.1/4"	31.8		62.5	63.5	
B5K206	-20	1.1/4"	31.8		66.5	63.8	

## FERRULE FOR 1TE/R6

BOCCOLA PER TUBO 1TE/R6  
 JUPE POUR 1TE/R6  
 PRESSHÜLSE 1TE/R6  
 CASQUILLO PARA 1TE/R6



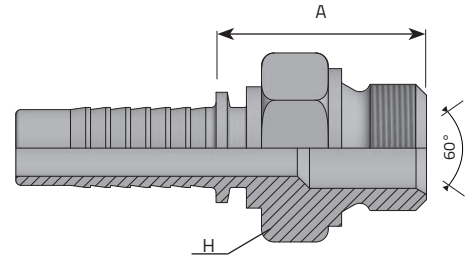
No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

IDENTIFICATION: PRINTED CODE OR SCRATCHES

Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
B6R03	-3	3/16"	4.8		14	30	

## BSPP MALE - 60° CONE (1)

MASCHIO BSPP SV 60°  
 MÂLE BSPP CÔNE 60°  
 AGR 60° INNENKONUS (BSPP GEWINDE)  
 MACHO FIJO BSPP CONO 60°



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi	
	Inch		mm	Inch		mm	mm			
MG0302	-3	3/16"	4.8	1/8"	28	14	20.5	350	5076	
<b>MG0304</b>	-3	<b>3/16"</b>	<b>4.8</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>26</b>	<b>415</b>	<b>6019</b>	
MG0402	-4	1/4"	6.4	1/8"	28	14	20.5	350	5076	
<b>MG0404</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>27</b>	<b>450</b>	<b>6526</b>	
MG0406	-4	1/4"	6.4	3/8"	19	22	29	450	6526	
<b>MG0408</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>32</b>	<b>450</b>	<b>6526</b>	
MG0504	-5	5/16"	7.9	1/4"	19	19	27	350	5076	
<b>MG0506</b>	-5	<b>5/16"</b>	<b>7.9</b>	<b>3/8"</b>	<b>19</b>	<b>22</b>	<b>29</b>	<b>350</b>	<b>5076</b>	
MG0508	-5	5/16"	7.9	1/2"	14	27	32	350	5076	
<b>MG0604</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>27</b>	<b>450</b>	<b>6526</b>	
MG0606	-6	3/8"	9.5	3/8"	19	22	29	450	6526	
<b>MG0608</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>32</b>	<b>450</b>	<b>6526</b>	
MG0806	-8	1/2"	12.8	3/8"	19	22	29	415	6019	
<b>MG0808</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>33</b>	<b>415</b>	<b>6019</b>	
MG0810	-8	1/2"	12.8	5/8"	14	30	34.5	415	6019	
<b>MG0812</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>3/4"</b>	<b>14</b>	<b>32</b>	<b>36</b>	<b>415</b>	<b>6019</b>	
MG1008	-10	5/8"	16	1/2"	14	27	33	350	5076	
<b>MG1010</b>	-10	<b>5/8"</b>	<b>16</b>	<b>5/8"</b>	<b>14</b>	<b>30</b>	<b>34.5</b>	<b>350</b>	<b>5076</b>	

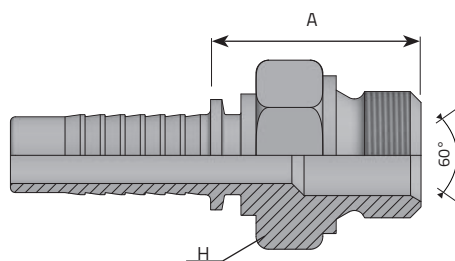
## BSPP MALE - 60° CONE (2)

MASCHIO BSPP SV 60°

MÂLE BSPP CÔNE 60°

AGR 60° INNENKONUS (BSPP GEWINDE)

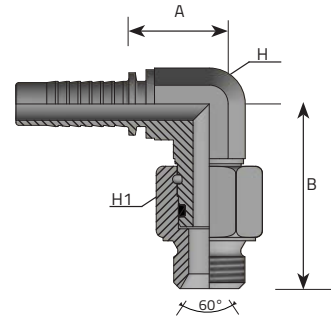
MACHO FIJO BSPP CONO 60°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MG1012	-10	5/8"	16	3/4"	14	32	36	350	5076
<b>MG1016</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>1"</b>	<b>11</b>	<b>38</b>	<b>40</b>	<b>350</b>	<b>5076</b>
MG1208	-12	3/4"	19	1/2"	14	27	34	350	5076
<b>MG1210</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>5/8"</b>	<b>14</b>	<b>30</b>	<b>36</b>	<b>350</b>	<b>5076</b>
MG1212	-12	3/4"	19	3/4"	14	32	37	350	5076
<b>MG1216</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>1"</b>	<b>11</b>	<b>38</b>	<b>40</b>	<b>350</b>	<b>5076</b>
MG1612	-16	1"	25.4	3/4"	14	32	38	280	4061
<b>MG1616</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>1"</b>	<b>11</b>	<b>38</b>	<b>40</b>	<b>280</b>	<b>4061</b>
MG1620	-16	1"	25.4	1.1/4"	11	50	45	280	4061
<b>MG2020</b>	<b>-20</b>	<b>1.1/4"</b>	<b>31.8</b>	<b>1.1/4"</b>	<b>11</b>	<b>50</b>	<b>46</b>	<b>210</b>	<b>3046</b>
MG2024	-20	1.1/4"	31.8	1.1/2"	11	55	46	210	3046
<b>MG2424</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>	<b>1.1/2"</b>	<b>11</b>	<b>55</b>	<b>46</b>	<b>185</b>	<b>2683</b>
MG2432	-24	1.1/2"	38.1	2"	11	70	53	185	2683
<b>MG3232</b>	<b>-32</b>	<b>2"</b>	<b>50.8</b>	<b>2"</b>	<b>11</b>	<b>70</b>	<b>54</b>	<b>165</b>	<b>2393</b>

## BSPP SWIVEL MALE - 90° ELBOW (COMPACT FORGED)

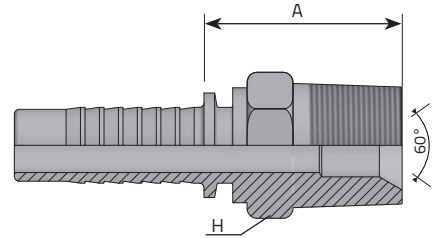
MASCHIO COMPATTO 90° BSPP GIREVOLE  
 MALE 90° BSPP COMPACT  
 AGR BSPP 90° KOMPAKT DREHBAR  
 MACHO BSPP GIRATORIO A 90° COMPACTO



Code	Tube		Thread		Dimensions					Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm	mm			
M90G0404SW	-4	1/4"	6.4	1/4"	19	14	19	45.7	54	350	5076
M90G0606SW	-6	3/8"	9.5	3/8"	19	19	22	57.2	62	350	5076
M90G0808SW	-8	1/2"	12.8	1/2"	14	22	27	64.1	67	350	5076

## BSPT TAPERED MALE

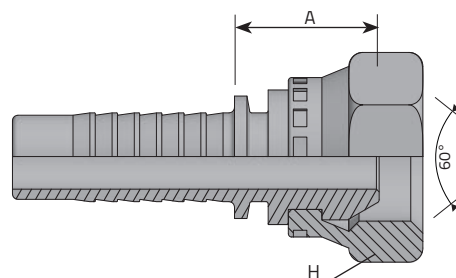
MASCHIO BSPT SV 60°  
 MÂLE BSPT CÔNE 60°  
 AGR-K KONISCH (BSPT)  
 MACHO BSPT CONO 60°



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch	mm	Inch	mm	mm	mm			
MGK0302	-3	3/16"	4.8	1/8"	28	12	22	350	5076
<b>MGK0304</b>	<b>-3</b>	<b>3/16"</b>	<b>4.8</b>	<b>1/4"</b>	<b>19</b>	<b>15</b>	<b>22</b>	<b>415</b>	<b>6019</b>
MGK0402	-4	1/4"	6.4	1/8"	28	12	22.5	350	5076
<b>MGK0404</b>	<b>-4</b>	<b>1/4"</b>	<b>6.4</b>	<b>1/4"</b>	<b>19</b>	<b>15</b>	<b>27</b>	<b>450</b>	<b>6526</b>
MGK0406	-4	1/4"	6.4	3/8"	19	19	28	450	6526
<b>MGK0504</b>	<b>-5</b>	<b>5/16"</b>	<b>7.9</b>	<b>1/4"</b>	<b>19</b>	<b>15</b>	<b>27</b>	<b>350</b>	<b>5076</b>
MGK0506	-5	5/16"	7.9	3/8"	19	19	28	350	5076
<b>MGK0604</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>1/4"</b>	<b>19</b>	<b>15</b>	<b>28</b>	<b>450</b>	<b>6526</b>
MGK0606	-6	3/8"	9.5	3/8"	19	19	28	450	6526
<b>MGK0608</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>22</b>	<b>34</b>	<b>415</b>	<b>6019</b>
MGK0806	-8	1/2"	12.8	3/8"	19	19	28	415	6019
<b>MGK0808</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>22</b>	<b>34.5</b>	<b>415</b>	<b>6019</b>
MGK1008	-10	5/8"	16	1/2"	14	24	34.5	350	5076
<b>MGK1012</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>3/4"</b>	<b>14</b>	<b>27</b>	<b>36.5</b>	<b>350</b>	<b>5076</b>
MGK1212	-12	3/4"	19	3/4"	14	27	37	350	5076
<b>MGK1216</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>1"</b>	<b>11</b>	<b>36</b>	<b>45</b>	<b>280</b>	<b>4061</b>
MGK1616	-16	1"	25.4	1"	11	36	46	280	4061
<b>MGK1620</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>1.1/4"</b>	<b>11</b>	<b>46</b>	<b>45.5</b>	<b>210</b>	<b>3046</b>
MGK2020	-20	1.1/4"	31.8	1.1/4"	11	46	46	210	3046
<b>MGK2024</b>	<b>-20</b>	<b>1.1/4"</b>	<b>31.8</b>	<b>1.1/2"</b>	<b>11</b>	<b>50</b>	<b>47</b>	<b>185</b>	<b>2683</b>
MGK2424	-24	1.1/2"	38.1	1.1/2"	11	50	47.3	185	2683
<b>MGK3232</b>	<b>-32</b>	<b>2"</b>	<b>50.8</b>	<b>2"</b>	<b>11</b>	<b>65</b>	<b>57</b>	<b>165</b>	<b>2393</b>

## BSPP FEMALE - 60° CONE (1)

FEMMINA BSPP SV 60°  
 FEMELLE DROITE BSPP CÔNE 60°  
 DKR 60° KONUS (BSPP-GEWINDE)  
 HEMBRA GIRATORIA RECTA BSPP CONO 60°

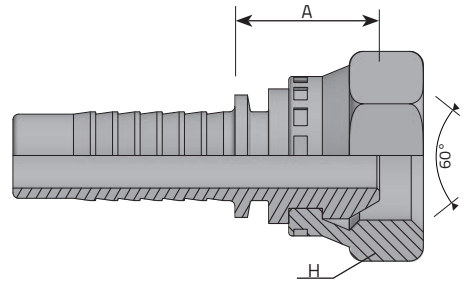


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch	mm	Inch	mm	mm	mm			
FDG0302	-3	3/16"	4.8	1/8"	28	15	18	350	5076
<b>FDG0304</b>	-3	<b>3/16"</b>	<b>4.8</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>18</b>	<b>415</b>	<b>6019</b>
FDG0402	-4	1/4"	6.4	1/8"	28	15	18	350	5076
<b>FDG0404</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>18</b>	<b>450</b>	<b>6526</b>
FDG0406	-4	1/4"	6.4	3/8"	19	22	19	450	6526
<b>FDG0408</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>21</b>	<b>450</b>	<b>6526</b>
FDG0504	-5	5/16"	7.9	1/4"	19	19	18	350	5076
<b>FDG0506</b>	-5	<b>5/16"</b>	<b>7.9</b>	<b>3/8"</b>	<b>19</b>	<b>22</b>	<b>19</b>	<b>350</b>	<b>5076</b>
FDG0508	-5	5/16"	7.9	1/2"	14	27	21	350	5076
<b>FDG0604</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>450</b>	<b>6526</b>
FDG0606	-6	3/8"	9.5	3/8"	19	22	20	450	6526
<b>FDG0608</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>21</b>	<b>450</b>	<b>6526</b>
FDG0806	-8	1/2"	12.8	3/8"	19	19	20	415	6019
<b>FDG0808</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>22</b>	<b>415</b>	<b>6019</b>
FDG0810	-8	1/2"	12.8	5/8"	14	28	22	415	6019
<b>FDG0812</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>3/4"</b>	<b>14</b>	<b>32</b>	<b>24</b>	<b>415</b>	<b>6019</b>
FDG1008	-10	5/8"	16	1/2"	14	27	22	350	5076
<b>FDG1010</b>	-10	<b>5/8"</b>	<b>16</b>	<b>5/8"</b>	<b>14</b>	<b>28</b>	<b>23</b>	<b>350</b>	<b>5076</b>



## BSPP FEMALE - 60° CONE (2)

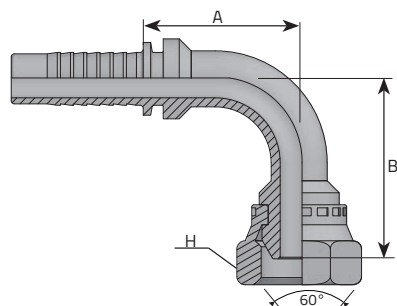
FEMMINA BSPP SV 60°  
 FEMELLE DROITE BSPP CÔNE 60°  
 DKR 60° KONUS (BSPP-GEWINDE)  
 HEMBRA GIRATORIA RECTA BSPP CONO 60°



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi	
	Inch	mm	Inch		mm	mm				
FDG1012	-10	5/8"	16	3/4"	14	32	24	350	5076	
FDG1208	-12	3/4"	19	1/2"	14	27	22.5	350	5076	
FDG1210	-12	3/4"	19	5/8"	14	28	24	350	5076	
FDG1212	-12	3/4"	19	3/4"	14	32	25	350	5076	
FDG1216	-12	3/4"	19	1"	11	38	26	350	5076	
FDG1612	-16	1"	25.4	3/4"	14	32	26	280	4061	
FDG1616	-16	1"	25.4	1"	11	38	27	280	4061	
FDG1620	-16	1"	25.4	1.1/4"	11	50	30	280	4061	
FDG2020	-20	1.1/4"	31.8	1.1/4"	11	50	30	210	3046	
FDG2024	-20	1.1/4"	31.8	1.1/2"	11	55	32	210	3046	
FDG2424	-24	1.1/2"	38.1	1.1/2"	11	55	32	185	2683	

## BSPP FEMALE - 60° CONE - 90° ELBOW (1)

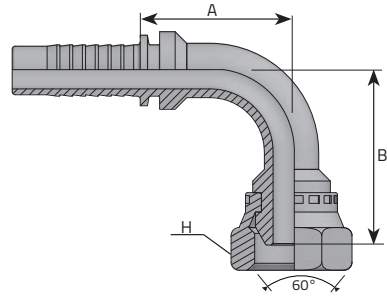
FEMMINA 90° BSPP SV 60°  
 FEMELLE 90° BSPP CÔNE 60°  
 DKR 90° BOGEN 60° KONUS (BSPP-GEWINDE)  
 HEMBRA GIRATORIA A 90° BSPP - CONO 60°



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F90G0302	-3	3/16"	4.8	1/8"	28	15	29	23	350	5076
<b>F90G0304</b>	-3	<b>3/16"</b>	<b>4.8</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>29</b>	<b>23</b>	<b>415</b>	<b>6019</b>
F90G0402	-4	1/4"	6.4	1/8"	28	15	29	23	350	5076
<b>F90G0404</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>29</b>	<b>23</b>	<b>450</b>	<b>6526</b>
F90G0406	-4	1/4"	6.4	3/8"	19	22	32	23	450	6526
<b>F90G0408</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>30</b>	<b>31.5</b>	<b>450</b>	<b>6526</b>
F90G0504	-5	5/16"	7.9	1/4"	19	19	33.5	31.5	350	5076
<b>F90G0506</b>	-5	<b>5/16"</b>	<b>7.9</b>	<b>3/8"</b>	<b>19</b>	<b>22</b>	<b>35.5</b>	<b>31.5</b>	<b>350</b>	<b>5076</b>
F90G0508	-5	5/16"	7.9	1/2"	14	27	39	31.5	350	5076
<b>F90G0604</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/4"</b>	<b>19</b>	<b>19</b>	<b>37</b>	<b>33</b>	<b>450</b>	<b>6526</b>
F90G0606	-6	3/8"	9.5	3/8"	19	22	38	33	450	6526
<b>F90G0608</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>42</b>	<b>33</b>	<b>450</b>	<b>6526</b>
F90G0806	-8	1/2"	12.8	3/8"	19	22	43	39	415	6019
<b>F90G0808</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>45</b>	<b>39</b>	<b>415</b>	<b>6019</b>
F90G0810	-8	1/2"	12.8	5/8"	14	28	45	39	415	6019
<b>F90G0812</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>3/4"</b>	<b>14</b>	<b>32</b>	<b>51</b>	<b>39</b>	<b>415</b>	<b>6019</b>
F90G1008	-10	5/8"	16	1/2"	14	27	54	49	350	5076
<b>F90G1010</b>	-10	<b>5/8"</b>	<b>16</b>	<b>5/8"</b>	<b>14</b>	<b>28</b>	<b>54</b>	<b>49</b>	<b>350</b>	<b>5076</b>

## BSPP FEMALE - 60° CONE - 90° ELBOW (2)

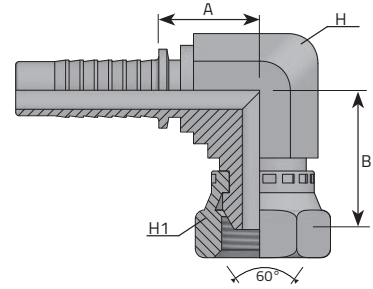
FEMMINA 90° BSPP SV 60°  
 FEMELLE 90° BSPP CÔNE 60°  
 DKR 90° BOGEN 60° KONUS (BSPP-GEWINDE)  
 HEMBRA GIRATORIA A 90° BSPP - CONO 60°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F90G1012	-10	5/8"	16	3/4"	14	32	56	49	350	5076
F90G1208	-12	3/4"	19	1/2"	14	27	56	53.5	350	5076
F90G1210	-12	3/4"	19	5/8"	14	28	56	53.5	350	5076
F90G1212	-12	3/4"	19	3/4"	14	32	59	53.5	350	5076
F90G1216	-12	3/4"	19	1"	11	38	65	53.5	350	5076
F90G1612	-16	1"	25.4	3/4"	14	32	72	68.5	280	4061
F90G1616	-16	1"	25.4	1"	11	38	72	73	280	4061
F90G1620	-16	1"	25.4	1.1/4"	11	50	80	73	280	4061
F90G2020	-20	1.1/4"	31.8	1.1/4"	11	50	93	89	210	3046
F90G2024	-20	1.1/4"	31.8	1.1/2"	11	55	98.5	89	210	3046
F90G2424	-24	1.1/2"	38.1	1.1/2"	11	55	114	101	185	2683

## BSPP FEMALE - 90° ELBOW (COMPACT FORGED)

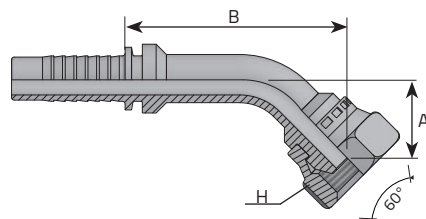
FEMMINA 90° BSPP SV 60° COMPATTA  
 FEMELLE 90° BSPP COMPACTE CÔNE 60°  
 DKR 90° KOMPAKT  
 HEMBRA GIRATORIA A 90° BSPP COMPACTA



Code	Tube		Thread		Dimensions					Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm	mm		
F90G0404K	-4	1/4"	6.4	1/4"	19	14	19	26.7	19	450	6526
F90G0406K	-4	1/4"	6.4	3/8"	19	19	22	28	21.5	450	6526
F90G0506K	-5	5/16"	7.9	3/8"	19	19	22	28	21.5	350	5076
F90G0606K	-6	3/8"	9.5	3/8"	19	19	22	28	21.5	450	6526
F90G0608K	-6	3/8"	9.5	1/2"	14	22	27	32.5	24	450	6526
F90G0808K	-8	1/2"	12.8	1/2"	14	22	27	32.5	24	415	6019
F90G1212K	-12	3/4"	19	3/4"	14	27	32	39.5	25	350	5076
F90G1616K	-16	1"	25.4	1"	11	33	38	43.5	32.5	280	4061

## BSPP FEMALE - 60° CONE - 45° ELBOW (1)

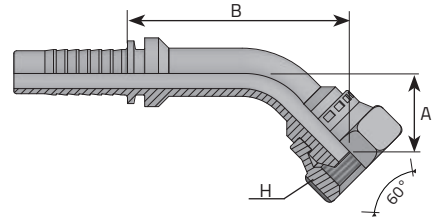
FEMMINA 45° BSPP SV 60°  
 FEMELLE 45° BSPP CÔNE 60°  
 DKR 45° BOGEN 60° KONUS (BSPP-GEWINDE)  
 HEMBRA GIRATORIA A 45° BSPP - CONO 60°



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F45G0302	-3	3/16"	4.8	1/8"	28	15	17	40	350	5076
F45G0304	-3	3/16"	4.8	1/4"	19	19	17	40	415	6019
F45G0402	-4	1/4"	6.4	1/8"	28	15	17	40	350	5076
F45G0404	-4	1/4"	6.4	1/4"	19	19	17	40	450	6526
F45G0406	-4	1/4"	6.4	3/8"	19	22	20	43	450	6526
F45G0408	-4	1/4"	6.4	1/2"	14	27	24	55	450	6526
F45G0504	-5	5/16"	7.9	1/4"	19	19	20	51	350	5076
F45G0506	-5	5/16"	7.9	3/8"	19	22	21	52	350	5076
F45G0508	-5	5/16"	7.9	1/2"	14	27	24	55	350	5076
F45G0604	-6	3/8"	9.5	1/4"	19	19	19	54	450	6526
F45G0606	-6	3/8"	9.5	3/8"	19	22	20	55	450	6526
F45G0608	-6	3/8"	9.5	1/2"	14	27	23	58	450	6526
F45G0806	-8	1/2"	12.8	3/8"	19	22	20	63	415	6019
F45G0808	-8	1/2"	12.8	1/2"	14	27	23	65	415	6019
F45G0810	-8	1/2"	12.8	5/8"	14	28	23	65	415	6019
F45G0812	-8	1/2"	12.8	3/4"	14	32	21	66	415	6019
F45G1008	-10	5/8"	16	1/2"	14	27	25	63	350	5076
F45G1010	-10	5/8"	16	5/8"	14	28	25	64	350	5076

## BSPP FEMALE - 60° CONE - 45° ELBOW (2)

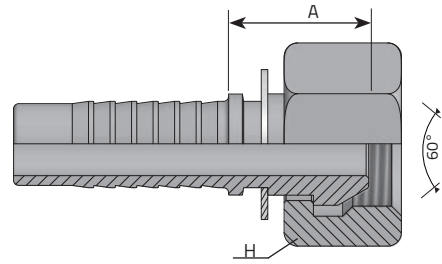
FEMMINA 45° BSPP SV 60°  
 FEMELLE 45° BSPP CÔNE 60°  
 DKR 45° BOGEN 60° KONUS (BSPP-GEWINDE)  
 HEMBRA BSPP CODO 45° ASIENTO 60°



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch	mm	Inch	mm	mm	mm	mm	mm		
F45G1012	-10	5/8"	16	3/4"	14	32	26	64	350	5076
F45G1208	-12	3/4"	19	1/2"	14	27	28	62	350	5076
F45G1210	-12	3/4"	19	5/8"	14	28	29	63	350	5076
F45G1212	-12	3/4"	19	3/4"	14	32	29	63	350	5076
F45G1216	-12	3/4"	19	1"	11	38	31	65	350	5076
F45G1612	-16	1"	25.4	3/4"	14	32	39	88	280	4061
F45G1616	-16	1"	25.4	1"	11	38	41	90	280	4061
F45G1620	-16	1"	25.4	1.1/4"	11	50	44	93	280	4061
F45G2020	-20	1.1/4"	31.8	1.1/4"	11	50	44	102	210	3046
F45G2024	-20	1.1/4"	31.8	1.1/2"	11	55	45	103	210	3046
F45G2424	-24	1.1/2"	38.1	1.1/2"	11	55	45	118	185	2683

## BSPP FEMALE (SLIP-ON NUT)

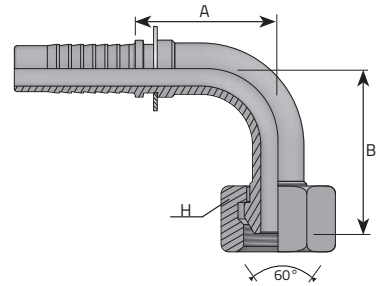
FEMMINA BSPP SV 60° (DADO LIBERO)  
 FEMELLE DROIT BSPP CÔNE 60° (ÉCROU LIBRE)  
 DKR 60° KONUS (BSPP-GEWINDE) + ÜBERWURFMUTTER  
 HEMBRA GIRATORIA RECTA BSPP CONO 60° (TUERCA LIBRE)



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
		Inch	mm	Inch		mm	mm		
FDG0304SF	-3	3/16"	4.8	1/4"	19	19	18	415	6019
FDG0404SF	-4	1/4"	6.4	1/4"	19	19	18	450	6526
FDG0406SF	-4	1/4"	6.4	3/8"	19	22	19	450	6526
FDG0506SF	-5	5/16"	7.9	3/8"	19	22	19	350	5076
FDG0606SF	-6	3/8"	9.5	3/8"	19	22	20	450	6526
FDG0608SF	-6	3/8"	9.5	1/2"	14	27	21	450	6526
FDG0808SF	-8	1/2"	12.8	1/2"	14	27	22	415	6019

## BSPP FEMALE - 90° ELBOW (SLIP-ON NUT)

FEMMINA BSPP SV 60° (DADO LIBERO)  
 FEMELLE 90° BSPP CÔNE 60° (ÉCROU LIBRE)  
 DKR 90° BOGEN 60° KONUS (BSPP- GEWINDE) + ÜBERWURFMUTTER  
 HEMBRA GIRATORIA A 90° BSPP CONO 60° (TUERCA LIBRE)

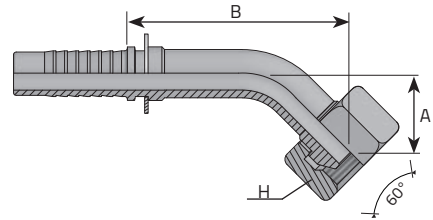


Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch			mm	mm	mm		
F90G0304SF	-3	3/16"	4.8	1/4"	19	19	29	23	415	6019
F90G0404SF	-4	1/4"	6.4	1/4"	19	19	29	23	450	6526
F90G0406SF	-4	1/4"	6.4	3/8"	19	22	32	23	450	6526
F90G0506SF	-5	5/16"	7.9	3/8"	19	22	35.5	31.5	350	5076
F90G0606SF	-6	3/8"	9.5	3/8"	19	22	38	33	450	6526
F90G0608SF	-6	3/8"	9.5	1/2"	14	27	42	33	450	6526
F90G0808SF	-8	1/2"	12.8	1/2"	14	27	45	39	415	6019



## BSPP FEMALE 45° ELBOW (SLIP-ON NUT)

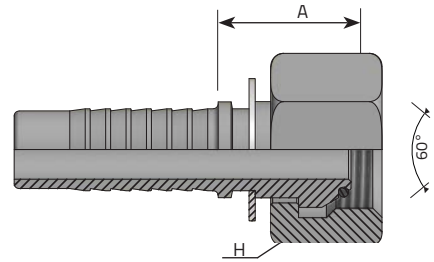
FEMMINA 45° BSPP SV 60° DADO LIBERO  
 FEMELLE 45° BSPP CÔNE 60° (ÉCROU LIBRE)  
 DKR 45° BOGEN 60° KONUS (BSPP- GEWINDE) + ÜBERWURFMUTTER  
 HEMBRA GIRATORIA A 45° BSPP CONO 60° (TUERCA LIBRE)



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45G0304SF	-3	3/16"	4.8	1/4"	19	19	17	40	415	6019
F45G0404SF	-4	1/4"	6.4	1/4"	19	19	17	40	450	6526
F45G0406SF	-4	1/4"	6.4	3/8"	19	22	20	43	450	6526
F45G0506SF	-5	5/16"	7.9	3/8"	19	22	21	52	350	5076
F45G0606SF	-6	3/8"	9.5	3/8"	19	22	20	55	450	6526
F45G0608SF	-6	3/8"	9.5	1/2"	14	27	23	58	450	6526
F45G0808SF	-8	1/2"	12.8	1/2"	14	27	23	65	415	6019

## BSPP FEMALE (O - RING - SLIP - ON NUT)

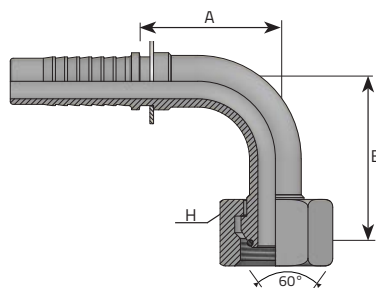
FEMMINA BSPP SV 60° (DADO LIBERO E O-RING)  
 FEMELLE DROIT BSPP CÔNE 60° (ÉCROU LIBRE AVEC O-RING)  
 DKR 60° KONUS (BSPP-GEWINDE) + ÜBERWURFMUTTER + O-RING  
 HEMBRA GIRATORIA RECTA BSPP CONO 60° (TUERCA LIBRE - JUNTA TORICA)



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDG0404SF-OR	-4	1/4"	6.4	1/4"	19	19	18	450	6526
FDG0406SF-OR	-4	1/4"	6.4	3/8"	19	22	19	450	6526
FDG0506SF-OR	-5	5/16"	7.9	3/8"	19	22	19	350	5076
FDG0606SF-OR	-6	3/8"	9.5	3/8"	19	22	20	450	6526
FDG0608SF-OR	-6	3/8"	9.5	1/2"	14	27	21	450	6526
FDG0808SF-OR	-8	1/2"	12.8	1/2"	14	27	22	415	6019

## BSPP FEMALE - 90° ELBOW (O - RING - SLIP - ON NUT)

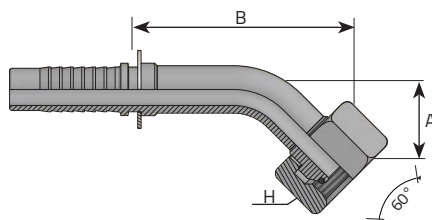
FEMMINA BSPP SV 60° (DADO LIBERO E O-RING)  
 FEMELLE 90° BSPP CÔNE 60° (ÉCROU LIBRE AVEC O-RING)  
 DKR 90° BOGEN 60° KONUS (BSPP- GEWINDE) + ÜBERWURFMUTTER + O-RING  
 HEMBRA GIRATORIA A 90° BSPP CONO 60° (TUERCA LIBRE - JUNTA TORICA)



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90G0404SF-OR	-4	1/4"	6.4	1/4"	19	19	29	23	450	6526
F90G0406SF-OR	-4	1/4"	6.4	3/8"	19	22	32	23	450	6526
F90G0506SF-OR	-5	5/16"	7.9	3/8"	19	22	35.5	31.5	350	5076
F90G0606SF-OR	-6	3/8"	9.5	3/8"	19	22	38	33	450	6526
F90G0608SF-OR	-6	3/8"	9.5	1/2"	14	27	42	33	450	6526
F90G0808SF-OR	-8	1/2"	12.8	1/2"	14	27	45	39	415	6019

## BSPP FEMALE 45° ELBOW (O - RING - SLIP - ON NUT)

FEMMINA 45° BSPP SV 60° (DADO LIBERO E O-RING)  
 FEMELLE 45° BSPP CÔNE 60° (ÉCROU LIBRE AVEC O-RING)  
 DKR 45° BOGEN 60° KONUS (BSPP- GEWINDE) + ÜBERWURFMUTTER + O-RING  
 HEMBRA GIRATORIA A 45° BSPP CONO 60° (TUERCA LIBRE - JUNTA TORICA)

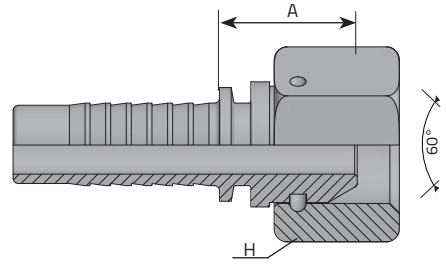


Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45G0404SF-OR	-4	1/4"	6.4	1/4"	19	19	17	40	450	6526
F45G0406SF-OR	-4	1/4"	6.4	3/8"	19	22	20	43	450	6526
F45G0506SF-OR	-5	5/16"	7.9	3/8"	19	22	21	52	350	5076
F45G0606SF-OR	-6	3/8"	9.5	3/8"	19	22	20	55	450	6526
F45G0608SF-OR	-6	3/8"	9.5	1/2"	14	27	23	58	450	6526
F45G0808SF-OR	-8	1/2"	12.8	1/2"	14	27	23	65	415	6019

## BSPP FEMALE (THRUST-WIRE NUT) (1)

FEMMINA DIRITTA BSPP SV 60° DADO SPINATO CON O-RING  
 FEMELLE DROITE BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 60° KONUS MIT O-RING (BSPP- GEWINDE) + GESTIFTETE  
 ÜBERWURFMUTTER  
 HEMBRA GIRATORIA RECTA BSPP CON O-RING CONO 60° (TUERCA CON  
 SEGURO)

\* : without o-ring / senza o-ring

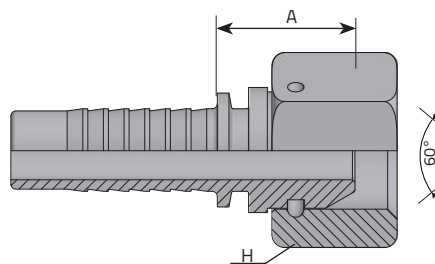


	Code	Tube		Thread		Dimensions			Pressure	
		D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
		Inch		mm	Inch		mm	mm		
*	FDG0302SP	-3	3/16"	4.8	1/8"	28	14	18	350	5076
*	FDG0304SP	-3	3/16"	4.8	1/4"	19	19	18	415	6019
*	FDG0402SP	-4	1/4"	6.4	1/8"	28	14	18	350	5076
*	FDG0404SP	-4	1/4"	6.4	1/4"	19	19	18	450	6526
*	FDG0406SP	-4	1/4"	6.4	3/8"	19	22	19	450	6526
*	FDG0408SP	-4	1/4"	6.4	1/2"	14	27	21	450	6526
*	FDG0504SP	-5	5/16"	7.9	1/4"	19	19	18	350	5076
*	FDG0506SP	-5	5/16"	7.9	3/8"	19	22	19	350	5076
*	FDG0508SP	-5	5/16"	7.9	1/2"	14	27	21	350	5076
*	FDG0604SP	-6	3/8"	9.5	1/4"	19	19	19	450	6526
*	FDG0606SP	-6	3/8"	9.5	3/8"	19	22	20	450	6526
*	FDG0608SP	-6	3/8"	9.5	1/2"	14	27	21	450	6526
*	FDG0806SP	-8	1/2"	12.8	3/8"	19	19	20	415	6019
*	FDG0808SP	-8	1/2"	12.8	1/2"	14	27	22	415	6019
	FDG0812SP	-8	1/2"	12.8	3/4"	14	32	24	415	6019
*	FDG1008SP	-10	5/8"	16	1/2"	14	27	22	350	5076

## BSPP FEMALE (THRUST-WIRE NUT) (2)

FEMMINA DIRITTA BSPP SV 60° DADO SPINATO CON O-RING  
 FEMELLE DROITE BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 60° KONUS MIT O-RING (BSPP- GEWINDE) + GESTIFTETE  
 ÜBERWURFMUTTER HEMBRA GIRATORIA RECTA BSPP CON O-RING CONO 60°  
 (TUERCA CON SEGURO)

\* : without o-ring / senza o-ring

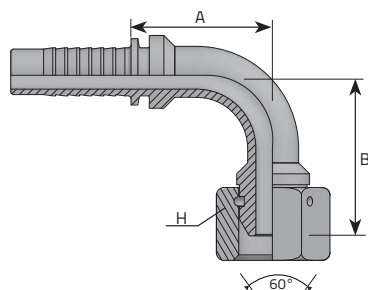


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDG1012SP	-10	5/8"	16	3/4"	14	32	24	350	5076
* FDG1208SP	-12	3/4"	19	1/2"	14	27	22.5	350	5076
FDG1212SP	-12	3/4"	19	3/4"	14	32	25	350	5076
FDG1612SP	-16	1"	25.4	3/4"	14	32	26	350	5076
FDG1616SP	-16	1"	25.4	1"	11	38	27	280	4061
FDG1620SP	-16	1"	25.4	1.1/4"	11	50	30	280	4061
FDG2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	30	210	3046
FDG2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	32	210	3046
FDG2424SP	-24	1.1/2"	38.1	1.1/2"	11	55	32	185	2683
FDG2432SP	-24	1.1/2"	38.1	2"	11	70	32.5	185	2683
FDG3232SP	-32	2"	50.8	2"	11	70	33.5	165	2393

## BSPP FEMALE 90° ELBOW (THRUST-WIRE NUT) (1)

FEMMINA 90° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 90° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 90° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) + GESTIFTETE  
 HEMBRA GIRATORIA A 90° BSPP CON O-RING (TUERCA CON SEGURO)

\* : without o-ring / senza o-ring

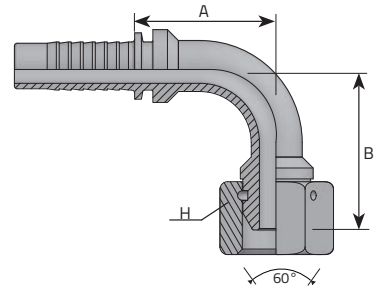


Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
* F90G0302SP	-3	3/16"	4.8	1/8"	28	14	29	23	350	5076
* F90G0304SP	-3	3/16"	4.8	1/4"	19	19	29	23	415	6019
* F90G0402SP	-4	1/4"	6.4	1/8"	28	14	29	23	350	5076
* F90G0404SP	-4	1/4"	6.4	1/4"	19	19	29	23	450	6526
* F90G0406SP	-4	1/4"	6.4	3/8"	19	22	32	23	450	6526
* F90G0408SP	-4	1/4"	6.4	1/2"	14	27	39	31.5	450	6526
* F90G0504SP	-5	5/16"	7.9	1/4"	19	19	33.5	31.5	350	5076
* F90G0506SP	-5	5/16"	7.9	3/8"	19	22	35.5	31.5	350	5076
* F90G0508SP	-5	5/16"	7.9	1/2"	14	27	39	31.5	350	5076
* F90G0604SP	-6	3/8"	9.5	1/4"	19	19	37	33	450	6526
* F90G0606SP	-6	3/8"	9.5	3/8"	19	22	38	33	450	6526
* F90G0608SP	-6	3/8"	9.5	1/2"	14	27	42	33	450	6526
* F90G0806SP	-8	1/2"	12.8	3/8"	19	22	43	39	415	6019
* F90G0808SP	-8	1/2"	12.8	1/2"	14	27	45	39	415	6019
F90G0812SP	-8	1/2"	12.8	3/4"	14	32	51	39	415	6019
* F90G1008SP	-10	5/8"	16	1/2"	14	27	54	49	350	5076
F90G1012SP	-10	5/8"	16	3/4"	14	32	56	49	350	5076

## BSPP FEMALE 90° ELBOW (THRUST-WIRE NUT) (2)

FEMMINA 90° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 90° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 90° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) + GESTIFTETE  
 HEMBRA GIRATORIA A 90° BSPP CON O-RING (TUERCA CON SEGURO)

\* : without o-ring / senza o-ring

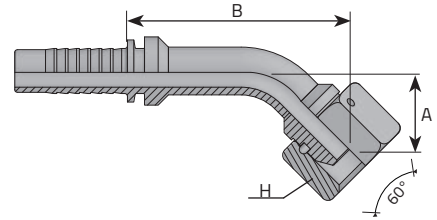


	Code	Tube		Thread			Dimensions			Pressure	
		D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
		Inch	mm	Inch	mm	mm	mm	mm	mm		
*	F90G1208SP	-12	3/4"	19	1/2"	14	27	56	53.5	350	5076
	F90G1212SP	-12	3/4"	19	3/4"	14	32	59	53.5	350	5076
	F90G1216SP	-12	3/4"	19	1"	11	38	65	53.5	350	5076
	F90G1612SP	-16	1"	25.4	3/4"	14	32	72	68.5	350	5076
	F90G1616SP	-16	1"	25.4	1"	11	38	72	73	280	4061
	F90G1620SP	-16	1"	25.4	1.1/4"	11	50	80	73	280	4061
	F90G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	93	89	210	3046
	F90G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	98.5	89	210	3046
	F90G2424SP	-24	1.1/2"	38.1	1.1/2"	11	55	114	101	185	2683
	F90G2432SP	-24	1.1/2"	38.1	2"	11	70	118	101	185	2683
	F90G3232SP	-32	2"	50.8	2"	11	70	136	135	165	2393



## BSPP FEMALE 45° ELBOW (THRUST-WIRE NUT) (1)

FEMMINA 45° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 45° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 45° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) + GESTIFTETE  
 HEMBRA GIRATORIA A 45° BSPP CON O-RING (TUERCA CON SEGURO)

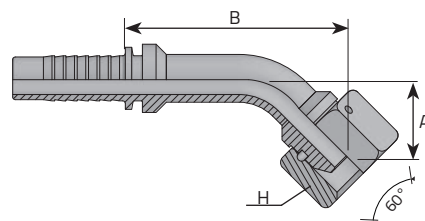


\* : without o-ring / senza o-ring

	Code	Tube		Thread		Dimensions				Pressure	
		D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
		Inch	mm	Inch		mm	mm	mm			
*	F45G0302SP	-3	3/16"	4.8	1/8"	28	14	17	40	350	5076
*	F45G0304SP	-3	3/16"	4.8	1/4"	19	19	17	40	415	6019
*	F45G0402SP	-4	1/4"	6.4	1/8"	28	14	17	40	350	5076
*	F45G0404SP	-4	1/4"	6.4	1/4"	19	19	17	40	450	6526
*	F45G0406SP	-4	1/4"	6.4	3/8"	19	22	20	43	450	6526
*	F45G0408SP	-4	1/4"	6.4	1/2"	14	27	24	55	450	6526
*	F45G0504SP	-5	5/16"	7.9	1/4"	19	19	20	51	350	5076
*	F45G0506SP	-5	5/16"	7.9	3/8"	19	22	21	52	350	5076
*	F45G0508SP	-5	5/16"	7.9	1/2"	14	27	24	55	350	5076
*	F45G0604SP	-6	3/8"	9.5	1/4"	19	19	19	54	450	6526
*	F45G0606SP	-6	3/8"	9.5	3/8"	19	22	20	55	450	6526
*	F45G0608SP	-6	3/8"	9.5	1/2"	14	27	23	58	450	6526
*	F45G0806SP	-8	1/2"	12.8	3/8"	19	22	20	63	415	6019
*	F45G0808SP	-8	1/2"	12.8	1/2"	14	27	23	65	415	6019
	F45G0812SP	-8	1/2"	12.8	3/4"	14	32	21	66	415	6019
*	F45G1008SP	-10	5/8"	16	1/2"	14	27	25	63	350	5076

## BSPP FEMALE 45° ELBOW (THRUST-WIRE NUT) (2)

FEMMINA 45° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 45° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 45° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) + GESTIFTETE  
 HEMBRA GIRATORIA A 45° BSPP CON O-RING (TUERCA CON SEGURO)

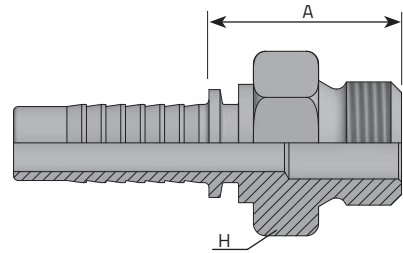


\* : without o-ring / senza o-ring

Code	Tube		Thread		Dimensions					Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi	
	Inch		mm	Inch		mm	mm	mm			
F45G1012SP	-10	5/8"	16	3/4"	14	32	26	64	350	5076	
* F45G1208SP	-12	3/4"	19	1/2"	14	27	28	62	350	5076	
F45G1212SP	-12	3/4"	19	3/4"	14	32	29	63	350	5076	
F45G1216SP	-12	3/4"	19	1"	11	38	31	65	350	5076	
F45G1612SP	-16	1"	25.4	3/4"	14	32	39	88	350	5076	
F45G1616SP	-16	1"	25.4	1"	11	38	41	90	280	4061	
F45G1620SP	-16	1"	25.4	1.1/4"	11	50	44	93	280	4061	
F45G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	44	102	210	3046	
F45G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	45	103	210	3046	
F45G2424SP	-24	1.1/2"	38.1	1.1/2"	11	55	45	118	185	2683	
F45G2432SP	-24	1.1/2"	38.1	2"	11	70	118	101	185	2683	
F45G3232SP	-32	2"	50.8	2"	11	70	55	145	165	2393	

## BSPP MALE (FLAT SEAT)

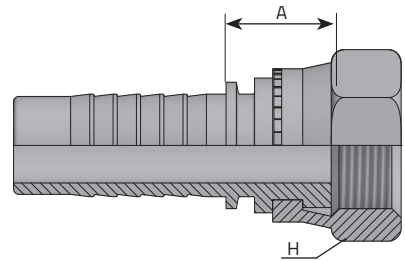
MASCHIO BSPP SEDE PIANA  
 MÂLE BSPP FACE PLATE  
 AGR-F FLACHDICHTEND (BSPP- GEWINDE)  
 MACHO FIJO BSPP ASIEN TO PLANO



Code	Tube			Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
		Inch	mm	Inch		mm	mm		
MGSP0404	-4	1/4"	6.4	1/4"	19	19	27	450	6526
MGSP0406	-4	1/4"	6.4	3/8"	19	22	29	450	6526
MGSP0506	-5	5/16"	7.9	3/8"	19	22	29	350	5076
MGSP0606	-6	3/8"	9.5	3/8"	19	22	28.5	450	6526
MGSP0608	-6	3/8"	9.5	1/2"	14	27	32	450	6526
MGSP0808	-8	1/2"	12.8	1/2"	14	27	32	415	6019
MGSP0810	-8	1/2"	12.8	5/8"	14	30	35	415	6019
MGSP0812	-8	1/2"	12.8	3/4"	14	32	36	415	6019
MGSP1010	-10	5/8"	16	5/8"	14	30	35	350	5076
MGSP1012	-10	5/8"	16	3/4"	14	32	36	350	5076
MGSP1212	-12	3/4"	19	3/4"	14	32	37	350	5076
MGSP1216	-12	3/4"	19	1"	11	38	40	350	5076
MGSP1616	-16	1"	25.4	1"	11	38	39.5	280	4061
MGSP2020	-20	1.1/4"	31.8	1.1/4"	11	50	46	210	3046
MGSP2424	-24	1.1/2"	38.1	1.1/2"	11	55	43	184	2669

## BSPP FEMALE (FLAT SEAT)

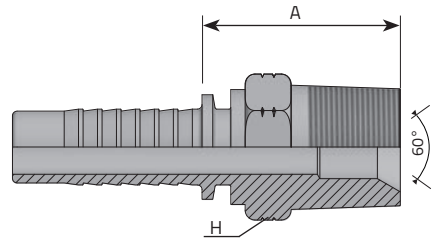
FEMMINA DIRITTA BSPP SEDE PIANA  
 FEMELLE DROIT BSPP FACE PLATE  
 DKR-F FLACHDICHTEND (BSPP-GEWINDE)  
 HEMBRA RECTA BSPP ASIENTO PLANO



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDGSP0404	-4	1/4"	6.4	1/4"	19	19	14	450	6526
FDGSP0406	-4	1/4"	6.4	3/8"	19	22	15	450	6526
FDGSP0506	-5	5/16"	7.9	3/8"	19	22	15	350	5076
FDGSP0606	-6	3/8"	9.5	3/8"	19	22	16	450	6526
FDGSP0608	-6	3/8"	9.5	1/2"	14	27	17	450	6526
FDGSP0808	-8	1/2"	12.8	1/2"	14	27	17	415	6019
FDGSP0810	-8	1/2"	12.8	5/8"	14	28	17	415	6019
FDGSP0812	-8	1/2"	12.8	3/4"	14	32	19	415	6019
FDGSP1010	-10	5/8"	16	5/8"	14	28	17	350	5076
FDGSP1012	-10	5/8"	16	3/4"	14	32	20	350	5076
FDGSP1212	-12	3/4"	19	3/4"	14	32	21	350	5076
FDGSP1216	-12	3/4"	19	1"	11	38	22	350	5076
FDGSP1616	-16	1"	25.4	1"	11	38	23	280	4061
FDGSP2020	-20	1.1/4"	31.8	1.1/4"	11	50	26	210	3046

## NPTF MALE (1)

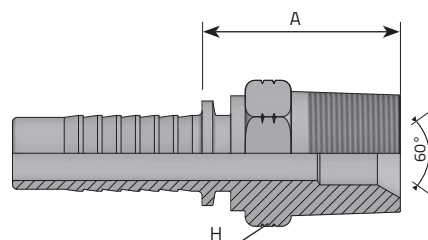
MASCHIO NPTF SV 60°  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF)  
 MACHO NPTF CONO 60°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MNPT0302	-3	3/16"	4.8	1/8"	27	12	22	350	5076
<b>MNPT0304</b>	<b>-3</b>	<b>3/16"</b>	<b>4.8</b>	<b>1/4"</b>	<b>18</b>	<b>15</b>	<b>22</b>	<b>415</b>	<b>6019</b>
MNPT0402	-4	1/4"	6.4	1/8"	27	12	22.5	350	5076
<b>MNPT0404</b>	<b>-4</b>	<b>1/4"</b>	<b>6.4</b>	<b>1/4"</b>	<b>18</b>	<b>15</b>	<b>27</b>	<b>450</b>	<b>6526</b>
MNPT0406	-4	1/4"	6.4	3/8"	18	19	28	450	6526
<b>MNPT0408</b>	<b>-4</b>	<b>1/4"</b>	<b>6.4</b>	<b>1/2"</b>	<b>14</b>	<b>22</b>	<b>34</b>	<b>350</b>	<b>5076</b>
MNPT0504	-5	5/16"	7.9	1/4"	18	15	27	350	5076
<b>MNPT0506</b>	<b>-5</b>	<b>5/16"</b>	<b>7.9</b>	<b>3/8"</b>	<b>18</b>	<b>19</b>	<b>28</b>	<b>350</b>	<b>5076</b>
MNPT0508	-5	5/16"	7.9	1/2"	14	22	28	415	6019
<b>MNPT0604</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>1/4"</b>	<b>18</b>	<b>15</b>	<b>28</b>	<b>350</b>	<b>5076</b>
MNPT0606	-6	3/8"	9.5	3/8"	18	19	28	450	6526
<b>MNPT0608</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>22</b>	<b>34</b>	<b>415</b>	<b>6019</b>
MNPT0806	-8	1/2"	12.8	3/8"	18	19	28	415	6019
<b>MNPT0808</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>22</b>	<b>34.5</b>	<b>415</b>	<b>6019</b>
MNPT0812	-8	1/2"	12.8	3/4"	14	27	34.5	415	6019
<b>MNPT1008</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>1/2"</b>	<b>14</b>	<b>24</b>	<b>34.5</b>	<b>350</b>	<b>5076</b>
MNPT1012	-10	5/8"	16	3/4"	14	27	36.5	350	5076
<b>MNPT1212</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>3/4"</b>	<b>14</b>	<b>27</b>	<b>37</b>	<b>350</b>	<b>5076</b>
MNPT1216	-12	3/4"	19	1"	11.5	36	45	280	4061

## NPTF MALE (2)

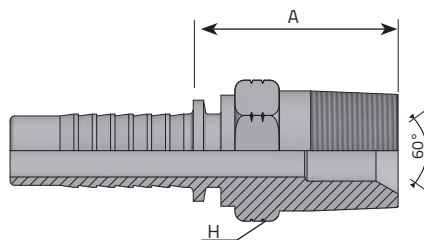
MASCHIO NPTF SV 60°  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF)  
 MACHO NPTF CONO 60°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MNPT1612	-16	1"	25.4	3/4"	14	32	38	280	4061
MNPT1616	-16	1"	25.4	1"	11.5	36	46	280	4061
MNPT1620	-16	1"	25.4	1.1/4"	11.5	46	45.5	210	3046
MNPT2020	-20	1.1/4"	31.8	1.1/4"	11.5	46	46	210	3046
MNPT2024	-20	1.1/4"	31.8	1.1/2"	11.5	50	47	185	2683
MNPT2424	-24	1.1/2"	38.1	1.1/2"	11.5	50	47.3	185	2683
MNPT3232	-32	2"	50.8	2"	11.5	65	57	165	2393

## NPTF MALE - LONG NOSE

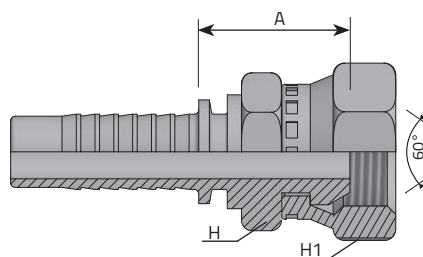
MASCHIO NPTF SV 60°  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF)  
 MACHO NPTF CONO 60°



Code	Tube			Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MNPT0404LN	-4	1/4"	6.4	1/4"	18	15	37	450	6526
MNPT0406LN	-4	1/4"	6.4	3/8"	18	19	38	450	6526
MNPT0604LN	-6	3/8"	9.5	1/4"	18	15	38	450	6526
MNPT0606LN	-6	3/8"	9.5	3/8"	18	19	38	450	6526

## NPSM FEMALE

FEMMINA NPSM  
 FEMELLE DROIT NPSM  
 DKR-F FLACHDICHTEND (NPSM-GEWINDE)  
 HEMBRA RECTA NPSM



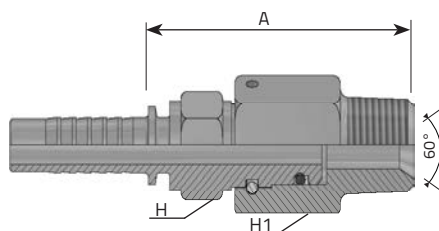
Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
FNPSM0404	-4	1/4"	6.4	1/4"	18	19	19	24	345	5000
FNPSM0606	-6	3/8"	9.5	3/8"	18	22	22	26.5	276	4000
FNPSM0808	-8	1/2"	12.8	1/2"	14	22	27	29	241	3500
FNPSM1212	-12	3/4"	19	3/4"	14	27	32	37	155	2250
FNPSM1616	-16	1"	25.4	1"	11.5	32	38	40.5	138	2000
FNPSM2020	-20	1.1/4"	31.8	1.1/4"	11.5	41	50	43	112	1625



## NPTF SWIVEL MALE

MASCHIO NPTF GIREVOLE SV 60°  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF-GEWINDE)  
 MACHO NPTF GIRATORIO CONO 60°

\* NOT TO BE USED AS A LIVE SWIVEL  
 DA NON USARE COME APPLICAZIONE ROTANTE  
 NE PAS UTILISER COMME APPLICATION ROTATIVE  
 NICHT ZU BENUTZEN ALS DREHVERSCHRÄUBUNG  
 NO USAR COMO UNA PIEZA GIRATORIA VIVA

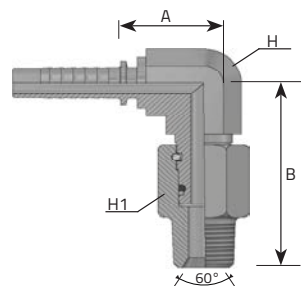


Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
* MNPTF0404SW	-4	1/4"	6.4	1/4"	18	14	17	53	350	5076
* MNPTF0406SW	-4	1/4"	6.4	3/8"	18	17	22	58,4	350	5076
* MNPTF0604SW	-6	3/8"	9.5	1/4"	18	17	17	56	350	5076
* MNPTF0606SW	-6	3/8"	9.5	3/8"	18	17	22	58,4	350	5076
* MNPTF0608SW	-6	3/8"	9.5	1/2"	14	22	27	63	350	5076
* MNPTF0806SW	-8	1/2"	12.8	3/8"	18	22	22	59,4	350	5076
* MNPTF0808SW	-8	1/2"	12.8	1/2"	14	22	27	63,5	350	5076
* MNPTF0812SW	-8	1/2"	12.8	3/4"	14	27	32	71,5	280	4061
* MNPTF1212SW	-12	3/4"	19	3/4"	14	32	32	72	280	4061
* MNPTF1616SW	-16	1"	25.4	1"	11.5	38	38	79,4	200	2901

## NPTF SWIVEL MALE 90° ELBOW (COMPACT FORGED)

MASCHIO 90° NPTF GIREVOLE SV 60° COMPATTA  
 MÂLE 90° NPTF COMPACTE CÔNE 60°  
 AGN 90° KOMPAKT 60° INNENKONUS (NPTF-GEWINDE)  
 MACHO NPTF GIRATORIO A 90° CONO 60° COMPACTA

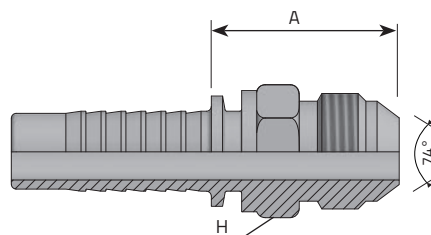
\* NOT TO BE USED AS A LIVE SWIVEL  
 DA NON USARE COME APPLICAZIONE ROTANTE  
 NE PAS UTILISER COMME APPLICATION ROTATIVE  
 NICHT ZU BENUTZEN ALS DREHVERSCHRÄUBUNG  
 NO USAR COMO UNA PIEZA GIRATORIA VIVA



	Code	Tube		Thread			Dimensions				Pressure	
		D.N.	Hose	Diam	T	t/1"	H	H1	B	A	Bar	Psi
		Inch		mm	Inch		mm	mm	mm	mm		
*	M90NPTF0404SW	-4	1/4"	6.4	1/4"	18	22	17	56	23	350	5076
*	M90NPTF0406SW	-4	1/4"	6.4	3/8"	18	22	22	58,4	23	350	5076
*	M90NPTF0604SW	-6	3/8"	9.5	1/4"	18	22	17	56	23	350	5076
*	M90NPTF0606SW	-6	3/8"	9.5	3/8"	18	22	22	58,4	23	350	5076
*	M90NPTF0608SW	-6	3/8"	9.5	1/2"	14	22	22	62,3	23	350	5076
*	M90NPTF0806SW	-8	1/2"	12.8	3/8"	18	22	27	58,4	23,5	350	5076
*	M90NPTF0808SW	-8	1/2"	12.8	1/2"	14	22	27	62,3	23,5	350	5076
*	M90NPTF0812SW	-8	1/2"	12.8	3/4"	14	27	32	72	25	280	4061
*	M90NPTF1212SW	-12	3/4"	19	3/4"	14	27	32	72	25	280	4061
*	M90NPTF1616SW	-16	1"	25.4	1"	11.5	33	38	77,9	32,5	200	2901

## JIC 37° MALE (1)

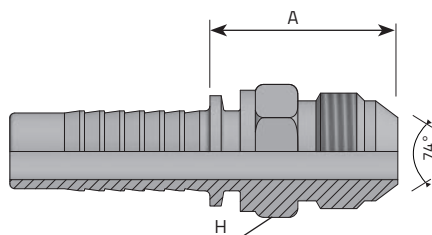
MASCHIO JIC SV 37°  
 MÂLE JIC CÔNE 37°  
 AGJ 37° JIC AUSSENKONUS (UNF – GEWINDE)  
 MACHO JIC CONO 37°(E)



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch	mm	Inch		mm	mm			
MJ0304	-3	3/16"	4.8	7/16"	20	12	27	415	6019
MJ0305	-3	3/16"	4.8	1/2"	20	14	27	415	6019
MJ0404	-4	1/4"	6.4	7/16"	20	12	27	450	6526
MJ0405	-4	1/4"	6.4	1/2"	20	14	27	450	6526
MJ0406	-4	1/4"	6.4	9/16"	18	15	28	450	6526
MJ0505	-5	5/16"	7.9	1/2"	20	14	27	350	5076
MJ0506	-5	5/16"	7.9	9/16"	18	15	28	350	5076
MJ0507	-5	5/16"	7.9	5/8"	18	17	29.5	-	-
MJ0508	-5	5/16"	7.9	3/4"	16	19	29.5	350	5076
MJ0606	-6	3/8"	9.5	9/16"	18	15	28	450	6526
MJ0607	-6	3/8"	9.5	5/8"	18	17	29.5	-	-
MJ0608	-6	3/8"	9.5	3/4"	16	19	30.5	415	6019
MJ0610	-6	3/8"	9.5	7/8"	14	24	34.5	350	5076
MJ0808	-8	1/2"	12.8	3/4"	16	19	31	415	6019
MJ0810	-8	1/2"	12.8	7/8"	14	24	35	350	5076
MJ0812	-8	1/2"	12.8	1.1/16"	12	27	39.5	350	5076
MJ1010	-10	5/8"	16	7/8"	14	24	35	350	5076

## JIC 37° MALE (2)

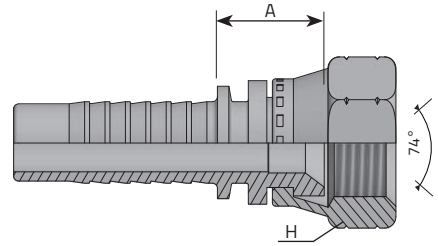
MASCHIO JIC SV 37°  
 MÂLE JIC CÔNE 37°  
 AGJ 37° JIC AUSSENKONUS (UNF – GEWINDE)  
 MACHO JIC CONO 37°(E)



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MJ1012	16	5/8"	10	1.1/16"	12	27	39.5	350	5076
MJ1210	20	3/4"	12	7/8"	14	27	37	350	5076
MJ1212	20	3/4"	12	1.1/16"	12	27	40.5	350	5076
MJ1214	20	3/4"	12	1.3/16"	12	32	41.5	280	4061
MJ1216	20	3/4"	12	1.5/16"	12	34	41.5	280	4061
MJ1612	25	1"	16	1.1/16"	12	32	41.5	280	4061
MJ1616	25	1"	16	1.5/16"	12	34	42.5	280	4061
MJ1620	25	1"	16	1.5/8"	12	42	45	280	4061
MJ2020	32	1.1/4"	20	1.5/8"	12	42	45.5	210	3046
MJ2024	32	1.1/4"	20	1.7/8"	12	50	52.5	140	2030
MJ2424	40	1.1/2"	24	1.7/8"	12	50	52.5	140	2030
MJ3232	50	2"	32	2.1/2"	12	65	62	105	1523

## JIC 37° FEMALE (1)

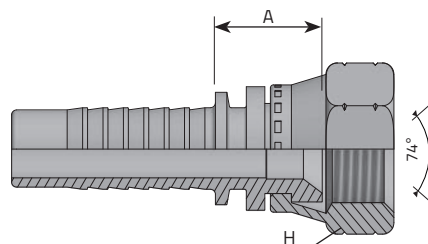
FEMMINA DIRITTA JIC SV 37°  
 FEMELLE DROIT JIC CÔNE 37°  
 DKJ 37° JIC DICHTKOPF (UNF – GEWINDE)  
 HEMBRA GIRATORIA JIC CONO 37°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDJ0304	-3	3/16"	4.8	7/16"	20	15	15	350	5076
FDJ0305	-3	3/16"	4.8	1/2"	20	17	15	350	5076
FDJ0404	-4	1/4"	6.4	7/16"	20	15	15	350	5076
FDJ0405	-4	1/4"	6.4	1/2"	20	17	16	350	5076
FDJ0406	-4	1/4"	6.4	9/16"	18	19	16	250	3626
FDJ0505	-5	5/16"	7.9	1/2"	20	17	16	350	5076
FDJ0506	-5	5/16"	7.9	9/16"	18	19	16	250	3626
FDJ0507	-5	5/16"	7.9	5/8"	18	22	17	-	-
FDJ0508	-5	5/16"	7.9	3/4"	16	24	17	250	3626
FDJ0606	-6	3/8"	9.5	9/16"	18	19	16.5	250	3626
FDJ0607	-6	3/8"	9.5	5/8"	18	22	17	-	-
FDJ0608	-6	3/8"	9.5	3/4"	16	24	17	250	3626
FDJ0610	-6	3/8"	9.5	7/8"	14	27	18.5	200	2901
FDJ0808	-8	1/2"	12.8	3/4"	16	24	18	250	3626
FDJ0810	-8	1/2"	12.8	7/8"	14	27	19	200	2901
FDJ0812	-8	1/2"	12.8	1.1/16"	12	32	22	200	2901
FDJ1010	-10	5/8"	16	7/8"	14	27	19.5	200	2901

## JIC 37° FEMALE (2)

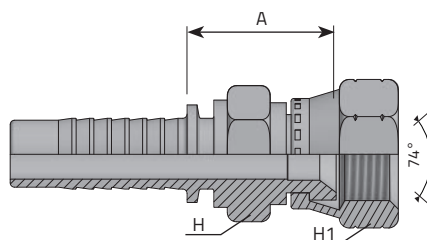
FEMMINA DIRITTA JIC SV 37°  
 FEMELLE DROIT JIC CÔNE 37°  
 DKJ 37° JIC DICHTKOPF (UNF – GEWINDE)  
 HEMBRA GIRATORIA JIC CONO37°



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDJ1012	-10	5/8"	16	1.1/16"	12	32	22.5	200	2901
FDJ1210	-12	3/4"	19	7/8"	14	27	20	200	2901
FDJ1212	-12	3/4"	19	1.1/16"	12	32	23	200	2901
FDJ1214	-12	3/4"	19	1.3/16"	12	36	23	160	2320
FDJ1216	-12	3/4"	19	1.5/16"	12	41	23	160	2320
FDJ1612	-16	1"	25.4	1.1/16"	12	32	24	200	2901
FDJ1616	-16	1"	25.4	1.5/16"	12	41	24.5	160	2320
FDJ1620	-16	1"	25.4	1.5/8"	12	50	28.5	125	1813
FDJ2020	-20	1.1/4"	31.8	1.5/8"	12	50	29	125	1813
FDJ2024	-20	1.1/4"	31.8	1.7/8"	12	55	31	100	1450
FDJ2424	-24	1.1/2"	38.1	1.7/8"	12	55	31	100	1450

## JIC 37° FEMALE (DOUBLE HEXAGON) (1)

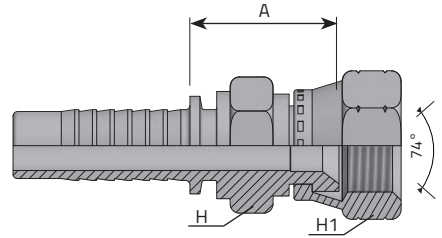
FEMMINA DIRITTA JIC SV 74° DOPPIO ESAGONO  
 FEMELLE DROIT JIC CÔNE 74° - DOUBLE HEXAGON  
 DKJ 74° KONUS MIT KONTERSECHSKANT  
 HEMBRA GIRATORIA JIC CONO74° DOBLE HEXAGONO



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
FDJ0404GIR	-4	1/4"	6.4	7/16"	20	14	15	23.5	350	5076
FDJ0405GIR	-4	1/4"	6.4	1/2"	20	14	17	24	350	5076
FDJ0406GIR	-4	1/4"	6.4	9/16"	18	17	19	25.7	250	3626
FDJ0505GIR	-5	5/16"	7.9	1/2"	20	-	-	-	-	-
FDJ0506GIR	-5	5/16"	7.9	9/16"	18	17	19	25.2	250	3626
FDJ0605GIR	-6	3/8"	9.5	1/2"	20	17	17	22.5	-	-
FDJ0606GIR	-6	3/8"	9.5	9/16"	18	17	19	25.2	250	3626
FDJ0608GIR	-6	3/8"	9.5	3/4"	16	19	24	27.3	250	3626
FDJ0610GIR	-6	3/8"	9.5	7/8"	14	22	27	28.5	-	-
FDJ0612GIR	-6	3/8"	9.5	1.1/16"	12	27	32	33.5	-	-
FDJ0806GIR	-8	1/2"	12.8	9/16"	18	22	19	26.7	-	-
FDJ0808GIR	-8	1/2"	12.8	3/4"	16	22	24	27.8	250	3626
FDJ0810GIR	-8	1/2"	12.8	7/8"	14	22	27	29.5	200	2900
FDJ0812GIR	-8	1/2"	12.8	1.1/16"	12	27	32	34	-	-
FDJ0816GIR	-8	1/2"	12.8	1.5/16"	12	32	38	36	-	-
FDJ1010GIR	-10	5/8"	16	7/8"	14	24	27	29.5	200	2900
FDJ1012GIR	-10	5/8"	16	1.1/16"	12	27	32	34	-	-
FDJ1014GIR	-10	5/8"	16	1.3/16"	12	27	32	32.5	200	2900

## JIC 37° FEMALE (DOUBLE HEXAGON) (2)

FEMMINA DIRITTA JIC SV 74° DOPPIO ESAGONO  
 FEMELLE DROIT JIC CÔNE 74° - DOUBLE HEXAGON  
 DKJ 74° KONUS MIT KONTERSECHSKANT  
 HEMBRA GIRATORIA JIC CONO 74° DOBLE HEXAGONO

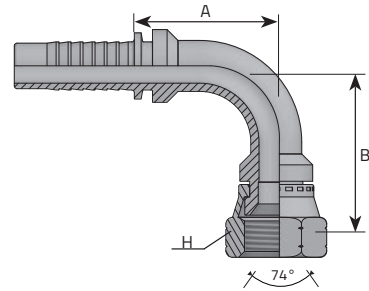


Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
FDJ1210GIR	-12	3/4"	19	7/8"	14	27	27	35.3	-	-
FDJ1212GIR	-12	3/4"	19	1.1/16"	12	27	32	35	200	2900
FDJ1214GIR	-12	3/4"	19	1.3/16"	12	30	36	31	-	-
FDJ1216GIR	-12	3/4"	19	1.5/16"	12	32	38	36	-	-
FDJ1612GIR	-16	1"	25.4	1.1/16"	12	32	32	38	-	-
FDJ1614GIR	-16	1"	25.4	1.3/16"	12	32	36	36.1	-	-
FDJ1616GIR	-16	1"	25.4	1.5/16"	12	32	41	36	160	2320
FDJ1620GIR	-16	1"	25.4	1.5/8"	12	-	-	-	-	-
FDJ2020GIR	-20	1.1/4"	31.8	1.5/8"	12	41	50	49.6	-	-



### JIC 37° FEMALE - 90° ELBOW (1)

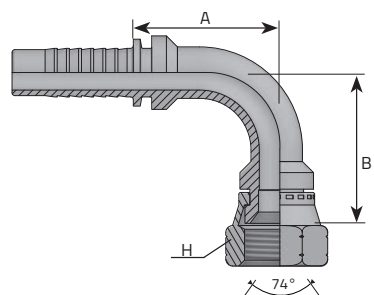
FEMMINA 90° JIC SV 37°  
 FEMELLE 90° JIC CÔNE 37°  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF)  
 HEMBRA GIRATORIA A 90° JIC CONO 37°



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90J0304	-3	3/16"	4.8	7/16"	20	15	26	23	350	5076
F90J0305	-3	3/16"	4.8	1/2"	20	17	27	23	350	5076
F90J0404	-4	1/4"	6.4	7/16"	20	15	26	23	350	5076
F90J0405	-4	1/4"	6.4	1/2"	20	17	27	23	350	5076
F90J0406	-4	1/4"	6.4	9/16"	18	19	27	23	250	3626
F90J0505	-5	5/16"	7.9	1/2"	20	17	32	31.5	350	5076
F90J0506	-5	5/16"	7.9	9/16"	18	19	32	31.5	250	3626
F90J0507	-5	5/16"	7.9	5/8"	18	22	32.5	31.5	-	-
F90J0508	-5	5/16"	7.9	3/4"	16	24	32.5	31.5	250	3626
F90J0606	-6	3/8"	9.5	9/16"	18	19	35	33	250	3626
F90J0607	-6	3/8"	9.5	5/8"	18	22	35.5	33	-	-
F90J0608	-6	3/8"	9.5	3/4"	16	24	36.5	33	250	3626
F90J0610	-6	3/8"	9.5	7/8"	14	27	39.5	33	200	2901
F90J0808	-8	1/2"	12.8	3/4"	16	24	41	39	250	3626
F90J0810	-8	1/2"	12.8	7/8"	14	27	42.5	39	200	2901
F90J0812	-8	1/2"	12.8	1.1/16"	12	32	50	39	200	2901
F90J1010	-10	5/8"	16	7/8"	14	27	50	49	200	2901

## JIC 37° FEMALE - 90° ELBOW (2)

FEMMINA 90° JIC SV 37°  
 FEMELLE 90° JIC CÔNE 37°  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF)  
 HEMBRA GIRATORIA A 90° JIC CONO 37°

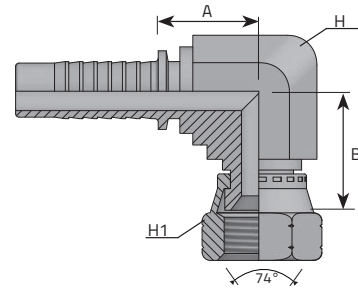


Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90J1012	-10	5/8"	16	1.1/16"	12	32	55	49	200	2901
F90J1210	-12	3/4"	19	7/8"	14	27	58	53.5	200	2901
F90J1212	-12	3/4"	19	1.1/16"	12	32	58	53.5	200	2901
F90J1214	-12	3/4"	19	1.3/16"	12	36	61	53.5	160	2320
F90J1216	-12	3/4"	19	1.5/16"	12	41	62.5	53.5	160	2320
F90J1612	-16	1"	25.4	1.1/16"	12	32	80	69	200	2901
F90J1616	-16	1"	25.4	1.5/16"	12	41	69.5	73	160	2320
F90J1620	-16	1"	25.4	1.5/8"	12	50	78.5	73	125	1813
F90J2020	-20	1.1/4"	31.8	1.5/8"	12	50	91.5	89	125	1813
F90J2024	-20	1.1/4"	31.8	1.7/8"	12	55	99	89	100	1450
F90J2424	-24	1.1/2"	38.1	1.7/8"	12	55	112.5	101	100	1450

## JIC 37° FEMALE 90° ELBOW (COMPACT FORGED)

FEMMINA 90° JIC SV74° COMPATTA  
 FEMELLE 90° JIC COMPACTE CÔNE 60°  
 DKJ 90° KOMPAKT  
 HEMBRA GIRATORIA A 90° JIC COMPACTA

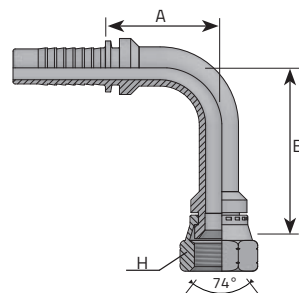
\* : thrust wire nut / dado spinato / écrou à jonc / gestiftete  
 Überwurf mutter / tuerca con seguro



Code	Tube		Thread		Dimensions					Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm	mm		
F90J0404K	-4	1/4"	6.4	7/16"	20	14	15	21.5	19	350	5076
F90J0406K	-4	1/4"	6.4	9/16"	18	14	19	23	19	250	3626
F90J0606K	-6	3/8"	9.5	9/16"	18	19	19	25	22	250	3626
F90J0608K	-6	3/8"	9.5	3/4"	16	19	24	28	22.5	250	3626
F90J0808K	-8	1/2"	12.8	3/4"	16	22	24	28	24	250	3626
* F90J1212K	-12	3/4"	19	1.1/16"	12	27	32	36	25	200	2901
* F90J1616K	-16	1"	25.4	1.5/16"	12	33	41	41.5	32.5	160	2320

## JIC 37° FEMALE - 90° ELBOW (LONG DROP)

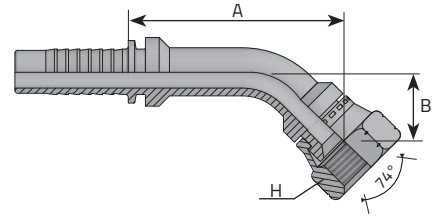
FEMMINA 90° JIC SV 37° LONG DROP  
 FEMELLE 90° JIC CÔNE 37°  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF)  
 HEMBRA GIRATORIA A 90° JIC CONO 37° (LONG DROP)



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90J0404LD	-4	1/4"	6.4	7/16"	20	17	45	28.5	350	5076
F90J0405LD	-4	1/4"	6.4	1/2"	20	17	45	28.5	350	5076
F90J0406LD	-4	1/4"	6.4	9/16"	18	19	55.5	29.5	250	3626
F90J0606LD	-6	3/8"	9.5	9/16"	18	19	55	35.5	250	3626
F90J0608LD	-6	3/8"	9.5	3/4"	16	22	61.5	36.5	250	3626
F90J0808LD	-8	1/2"	12.8	3/4"	16	22	62.5	40.5	250	3626
F90J0810LD	-8	1/2"	12.8	7/8"	14	27	65	45	200	2901
F90J1010LD	-10	5/8"	16	7/8"	14	27	65.5	53.5	200	2901
F90J1212LD	-12	3/4"	19	1.1/16"	12	32	94.5	62	200	2901
F90J1616LD	-16	1"	25.4	1.5/16"	12	38	110	77	160	2320

## JIC 37° FEMALE - 45° ELBOW (1)

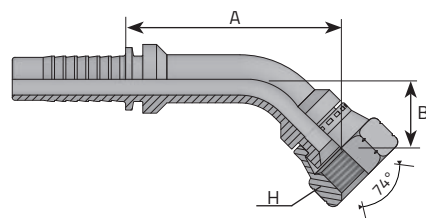
FEMMINA 45° JIC SV 37°  
 FEMELLE 45° JIC CÔNE 37°  
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF)  
 HEMBRA GIRATORIA A 45° JIC CONO 37°



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45J0304	-3	3/16"	4.8	7/16"	20	15	15	38	350	5076
F45J0305	-3	3/16"	4.8	1/2"	20	17	17	40	350	5076
F45J0404	-4	1/4"	6.4	7/16"	20	15	15	38	350	5076
F45J0405	-4	1/4"	6.4	1/2"	20	17	17	40	350	5076
F45J0406	-4	1/4"	6.4	9/16"	18	19	16.5	39.5	250	3626
F45J0505	-5	5/16"	7.9	1/2"	20	17	17	40	350	5076
F45J0506	-5	5/16"	7.9	9/16"	18	19	18.5	49.5	250	3626
F45J0507	-5	5/16"	7.9	5/8"	18	22	19	50	-	-
F45J0508	-5	5/16"	7.9	3/4"	16	24	19.5	50.5	250	3626
F45J0606	-6	3/8"	9.5	9/16"	18	19	18	53	250	3626
F45J0607	-6	3/8"	9.5	5/8"	18	22	19	54	-	-
F45J0608	-6	3/8"	9.5	3/4"	16	24	19	54	250	3626
F45J0610	-6	3/8"	9.5	7/8"	14	27	21	56	200	2901
F45J0808	-8	1/2"	12.8	3/4"	16	24	20	62	200	2901
F45J0810	-8	1/2"	12.8	7/8"	14	27	21	63	200	2901
F45J0812	-8	1/2"	12.8	1.1/16"	12	32	22	64	200	2901
F45J1010	-10	5/8"	16	7/8"	14	27	22	60	200	2901

## JIC 37° FEMALE - 45° ELBOW (2)

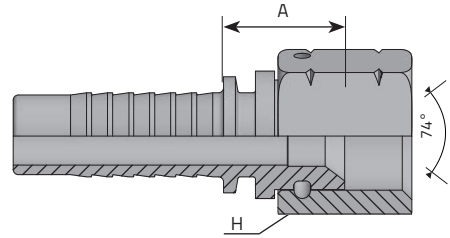
FEMMINA 45° JIC SV 37°  
 FEMELLE 45° JIC CÔNE 37°  
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF)  
 HEMBRA GIRATORIA A 45° JIC CONO 37°



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45J1012	-10	5/8"	16	1.1/16"	12	32	25	63	200	2901
F45J1210	-12	3/4"	19	7/8"	14	27	29	62	200	2901
F45J1212	-12	3/4"	19	1.1/16"	12	32	29	62	200	2901
F45J1214	-12	3/4"	19	1.3/16"	12	36	29	63	160	2320
F45J1216	-12	3/4"	19	1.5/16"	12	41	29	63	160	2320
F45J1612	-16	1"	25.4	1.1/16"	12	32	39.5	100	200	2901
F45J1616	-16	1"	25.4	1.5/16"	12	41	39.5	88.5	160	2320
F45J1620	-16	1"	25.4	1.5/8"	12	50	38.5	89.5	125	1813
F45J2020	-20	1.1/4"	31.8	1.5/8"	12	50	44	101	125	1813
F45J2024	-20	1.1/4"	31.8	1.7/8"	12	55	45	103	100	1450
F45J2424	-24	1.1/2"	38.1	1.7/8"	12	55	45	118	100	1450

## JIC 37° FEMALE - THRUST WIRE NUT (1)

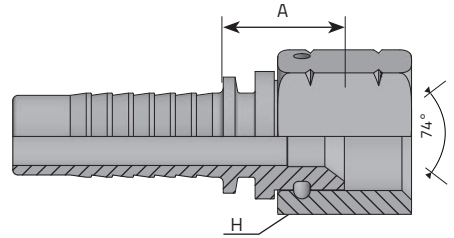
FEMMINA DIRITTA JIC SV 37° DADO SPINATO  
 FEMELLE DROIT JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 37° JIC DICHTKOPF (UNF-GEWINDE) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CONO 37° (TUERCA CON SEGURO)



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A			
	Inch	mm	Inch		mm	mm		Bar	Psi	
FDJ0304SP	-3	3/16"	4.8	7/16"	20	17	15	350	5076	
FDJ0305SP	-3	3/16"	4.8	1/2"	20	17	15	350	5076	
FDJ0404SP	-4	1/4"	6.4	7/16"	20	17	15	350	5076	
FDJ0405SP	-4	1/4"	6.4	1/2"	20	17	16	350	5076	
FDJ0406SP	-4	1/4"	6.4	9/16"	18	19	16	250	3626	
FDJ0505SP	-5	5/16"	7.9	1/2"	20	17	16	350	5076	
FDJ0506SP	-5	5/16"	7.9	9/16"	18	19	16	250	3626	
FDJ0508SP	-5	5/16"	7.9	3/4"	16	24	17	250	3626	
FDJ0606SP	-6	3/8"	9.5	9/16"	18	19	16.5	250	3626	
FDJ0608SP	-6	3/8"	9.5	3/4"	16	24	17	250	3626	
FDJ0610SP	-6	3/8"	9.5	7/8"	14	27	18.5	200	2901	
FDJ0808SP	-8	1/2"	12.8	3/4"	16	24	18	250	3626	
FDJ0810SP	-8	1/2"	12.8	7/8"	14	27	19	200	2901	
FDJ0812SP	-8	1/2"	12.8	1.1/16"	12	32	22	200	2901	
FDJ1010SP	-10	5/8"	16	7/8"	14	27	19.5	200	2901	
FDJ1012SP	-10	5/8"	16	1.1/16"	12	32	22.5	200	2901	

## JIC 37° FEMALE - THRUST WIRE NUT (2)

FEMMINA DIRITTA JIC SV 37° DADO SPINATO  
 FEMELLE DROIT JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 37° JIC DICHTKOPF (UNF-GEWINDE) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CONO 37° (TUERCA CON SEGURO)

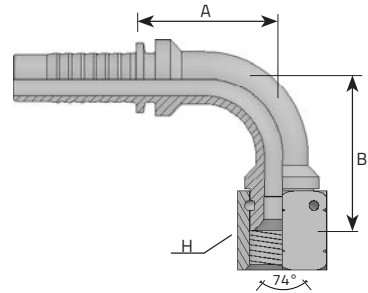


Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
FDJ1210SP	-12	3/4"	19	7/8"	14	27	20	200	2901
FDJ1212SP	-12	3/4"	19	1.1/16"	12	32	23	200	2901
FDJ1216SP	-12	3/4"	19	1.5/16"	12	41	23	160	2320
FDJ1612SP	-16	1"	25.4	1.1/16"	12	32	24	200	2901
FDJ1616SP	-16	1"	25.4	1.5/16"	12	41	24.5	160	2320
FDJ1620SP	-16	1"	25.4	1.5/8"	12	50	28.5	125	1813
FDJ2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	29	125	1813
FDJ2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	31	100	1450
FDJ2424SP	-24	1.1/2"	38.1	1.7/8"	12	55	31	100	1450
FDJ2432SP	-24	1.1/2"	38.1	2.1/2"	12	70	31.5	80	1160
FDJ3232SP	-32	2"	50.8	2.1/2"	12	70	33	80	1160



## JIC 37° FEMALE -90° ELBOW - THRUST WIRE NUT (1)

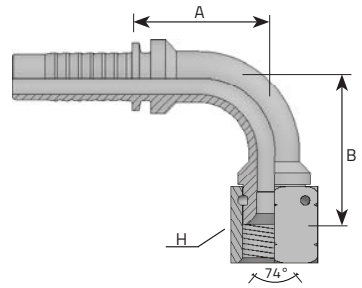
FEMMINA 90° JIC SV 37° CON DADO SPINATO  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CODO 90° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90J0304SP	-3	3/16"	4.8	7/16"	20	17	26	23	350	5076
F90J0305SP	-3	3/16"	4.8	1/2"	20	17	27	23	350	5076
F90J0404SP	-4	1/4"	6.4	7/16"	20	17	26	23	350	5076
F90J0405SP	-4	1/4"	6.4	1/2"	20	17	27	23	350	5076
F90J0406SP	-4	1/4"	6.4	9/16"	18	19	27	23	250	3626
F90J0505SP	-5	5/16"	7.9	1/2"	20	17	32	31.5	350	5076
F90J0506SP	-5	5/16"	7.9	9/16"	18	19	32	31.5	250	3626
F90J0508SP	-5	5/16"	7.9	3/4"	16	24	32.5	31.5	250	3626
F90J0606SP	-6	3/8"	9.5	9/16"	18	19	35	33	250	3626
F90J0608SP	-6	3/8"	9.5	3/4"	16	24	36.5	33	250	3626
F90J0610SP	-6	3/8"	9.5	7/8"	14	27	39.5	33	200	2901
F90J0808SP	-8	1/2"	12.8	3/4"	16	24	41	39	250	3626
F90J0810SP	-8	1/2"	12.8	7/8"	14	27	42.5	39	200	2901
F90J0812SP	-8	1/2"	12.8	1.1/16"	12	32	50	39	200	2901
F90J1010SP	-10	5/8"	16	7/8"	14	27	50	49	200	2901
F90J1012SP	-10	5/8"	16	1.1/16"	12	32	55	49	200	2901

## JIC 37° FEMALE - 90° ELBOW - THRUST WIRE NUT (2)

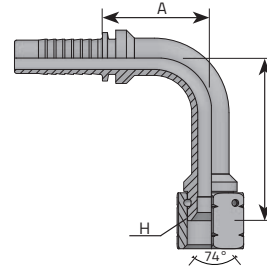
FEMMINA 90° JIC SV 37° CON DADO SPINATO  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CODO 90° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90J1210SP	-12	3/4"	19	7/8"	14	27	58	53.5	200	2901
F90J1212SP	-12	3/4"	19	1.1/16"	12	32	58	53.5	200	2901
F90J1216SP	-12	3/4"	19	1.5/16"	12	41	62.5	53.5	160	2320
F90J1612SP	-16	1"	25.4	1.1/16"	12	32	80	69	200	2901
F90J1616SP	-16	1"	25.4	1.5/16"	12	41	69.5	73	160	2320
F90J1620SP	-16	1"	25.4	1.5/8"	12	50	78.5	73	125	1813
F90J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	91.5	89	125	1813
F90J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	99	89	100	1450
F90J2424SP	-24	1.1/2"	38.1	1.7/8"	12	55	112.5	101	100	1450
F90J2432SP	-24	1.1/2"	38.1	2.1/2"	12	70	115.5	101	80	1160
F90J3232SP	-32	2"	50.8	2.1/2"	12	70	136	135	80	1160

## JIC 37° FEMALE- 90° ELBOW LONG DROP - THRUST WIRE NUT

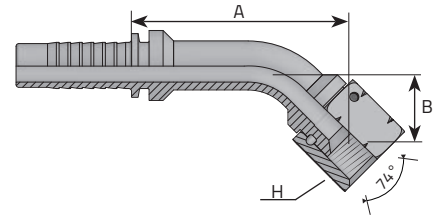
FEMMINA 90° JIC SV 37° CON DADO SPINATO LONG DROP  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° JIC DICHTKOPF(UNF)+GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA A 90° JIC CONO 37° (TUERCA CON SEGURO) LONG DROP



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F90J0404SPLD	-4	1/4"	6.4	7/16"	20	17	45	28.5	350	5076
F90J0405SPLD	-4	1/4"	6.4	1/2"	20	17	45	28.5	350	5076
F90J0406SPLD	-4	1/4"	6.4	9/16"	18	19	55.5	29.5	250	3626
F90J0606SPLD	-6	3/8"	9.5	9/16"	18	19	55	35.5	250	3626
F90J0608SPLD	-6	3/8"	9.5	3/4"	16	24	61.5	36.5	250	3626
F90J0808SPLD	-8	1/2"	12.8	3/4"	16	24	61.5	40.5	250	3626
F90J0810SPLD	-8	1/2"	12.8	7/8"	14	27	65	45	200	2901
F90J1010SPLD	-10	5/8"	16	7/8"	14	27	65.5	53.5	200	2901
F90J1212SPLD	-12	3/4"	19	1.1/16"	12	32	94.5	62	200	2901
F90J1616SPLD	-16	1"	25.4	1.5/16"	12	38	132	77	160	2320

## JIC 37° FEMALE - 45° ELBOW - THRUST WIRE NUT (1)

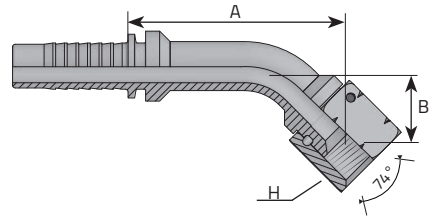
FEMMINA 45° JIC SV 37° CON DADO SPINATO  
 FEMELLE 45° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF)+GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA A 45° JIC CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch			mm	mm	mm		
F45J0304SP	-3	3/16"	4.8	7/16"	20	17	15	38	350	5076
F45J0305SP	-3	3/16"	4.8	1/2"	20	17	17	40	350	5076
F45J0404SP	-4	1/4"	6.4	7/16"	20	17	15	38	350	5076
F45J0405SP	-4	1/4"	6.4	1/2"	20	17	17	40	350	5076
F45J0406SP	-4	1/4"	6.4	9/16"	18	19	16.5	39.5	250	3626
F45J0505SP	-5	5/16"	7.9	1/2"	20	17	17	40	350	5076
F45J0506SP	-5	5/16"	7.9	9/16"	18	19	18.5	49.5	250	3626
F45J0508SP	-5	5/16"	7.9	3/4"	16	24	19.5	50.5	250	3626
F45J0606SP	-6	3/8"	9.5	9/16"	18	19	18	53	250	3626
F45J0608SP	-6	3/8"	9.5	3/4"	16	24	19	54	250	3626
F45J0610SP	-6	3/8"	9.5	7/8"	14	27	21	56	200	2901
F45J0808SP	-8	1/2"	12.8	3/4"	16	24	20	62	200	2901
F45J0810SP	-8	1/2"	12.8	7/8"	14	27	21	63	200	2901
F45J0812SP	-8	1/2"	12.8	1.1/16"	12	32	22	64	200	2901
F45J1010SP	-10	5/8"	16	7/8"	14	27	22	60	200	2901
F45J1012SP	-10	5/8"	16	1.1/16"	12	32	25	63	200	2901

## JIC 37° FEMALE - 45° ELBOW - THRUST WIRE NUT (2)

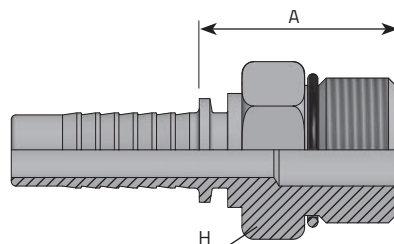
FEMMINA 45° JIC SV 37° CON DADO SPINATO  
 FEMELLE 45° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF)+GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA A 45° JIC CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45J1210SP	-12	3/4"	19	7/8"	14	27	29	62	200	2901
F45J1212SP	-12	3/4"	19	1.1/16"	12	32	29	62	200	2901
F45J1216SP	-12	3/4"	19	1.5/16"	12	41	29	63	160	2320
F45J1612SP	-16	1"	25.4	1.1/16"	12	32	39.5	100	200	2901
F45J1616SP	-16	1"	25.4	1.5/16"	12	41	39.5	88.5	160	2320
F45J1620SP	-16	1"	25.4	1.5/8"	12	50	38.5	89.5	125	1813
F45J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	44	101	125	1813
F45J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	45	103	100	1450
F45J2424SP	-24	1.1/2"	38.1	1.7/8"	12	55	45	118	100	1450
F45J2432SP	-24	1.1/2"	38.1	2.1/2"	12	70	45.5	121	80	1160
F45J3232SP	-32	2"	50.8	2.1/2"	12	70	65.5	156	80	1160

## O-RING BOSS MALE

MASCHIO O-RING BOSS  
 MÂLE O-RING BOSS  
 SAE AUSSENGEWINDE O-RING BOSS  
 MACHO FIJO O-RING BOSS (E)

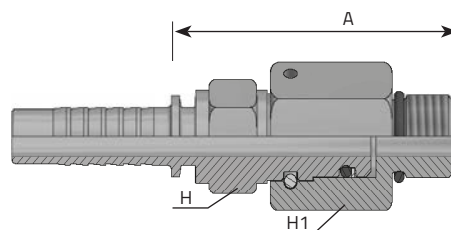


Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch	mm	Inch		mm	mm			
MOB0404	-4	1/4"	6.4	7/16"	20	14	23.5		
MOB0405	-4	1/4"	6.4	1/2"	20	17	25.5		
MOB0406	-4	1/4"	6.4	9/16"	18	17	28		
MOB0606	-6	3/8"	9.5	9/16"	18	17	28		
MOB0608	-6	3/8"	9.5	3/4"	16	22	30.5		
MOB0610	-6	3/8"	9.5	7/8"	14	27	34.5		
MOB0808	-8	1/2"	12.8	3/4"	16	22	31		
MOB0810	-8	1/2"	12.8	7/8"	14	27	35		
MOB0812	-8	1/2"	12.8	1.1/16"	12	32	39		
MOB1008	-10	5/8"	16	3/4"	16	24	31.5		
MOB1010	-10	5/8"	16	7/8"	14	27	35		
MOB1012	-10	5/8"	16	1.1/16"	12	32	39		
MOB1212	-12	3/4"	19	1.1/16"	12	32	39		
MOB1216	-12	3/4"	19	1.5/16"	12	38	41.5		
MOB1616	-16	1"	25.4	1.5/16"	12	38	43		
MOB1620	-16	1"	25.4	1.5/8"	12	46	44		
MOB2020	-20	1".1/4	31.8	1.5/8"	12	46	44.5		

## O-RING BOSS SWIVEL MALE

MASCHIO O-RING BOSS GIREVOLE  
 MÂLE O-RING BOSS  
 AGJO SAE O-RING DREHBAR  
 MACHO O-RING BOSS GIRATORIO

\* NOT TO BE USED AS A LIVE SWIVEL  
 DA NON USARE COME APPLICAZIONE ROTANTE  
 NE PAS UTILISER COMME APPLICATION ROTATIVE  
 NICHT ZU BENUTZEN ALS DREHVERSCHRAUBUNG  
 NO USAR COMO UNA PIEZA GIRATORIA VIVA

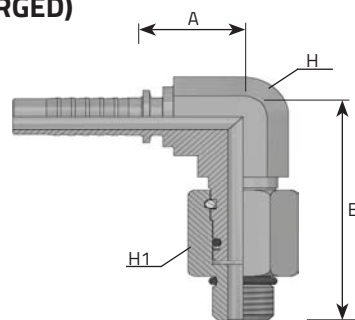


Code	Tube			Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi	
	Inch	mm	Inch			mm	mm	mm			
* MOB0404SW	-4	1/4"	6.4	7/16"	20	14	17	49	350	5076	
* MOB0406SW	-4	1/4"	6.4	9/16"	18	17	22	51,4	350	5076	
* MOB0604SW	-6	3/8"	9.5	7/16"	20	17	17	52	350	5076	
* MOB0606SW	-6	3/8"	9.5	9/16"	18	17	22	54,4	350	5076	
* MOB0608SW	-6	3/8"	9.5	3/4"	16	22	27	58	350	5076	
* MOB0806SW	-8	1/2"	12.8	9/16"	18	22	22	55,4	350	5076	
* MOB0808SW	-8	1/2"	12.8	3/4"	16	22	27	58,5	350	5076	
* MOB0812SW	-8	1/2"	12.8	1.1/16"	12	27	32	62,8	280	4061	
* MOB1212SW	-12	3/4"	19	1.1/16"	12	32	32	71,5	280	4061	
* MOB1616SW	-16	1"	25.4	1.5/16"	12	38	38	74	200	2901	

## 90° SAE SWIVEL MALE O-RING BOSS (COMPACT FORGED)

MASCHIO 90° O-RING BOSS GIREVOLE COMPATTA  
 MÂLE 90° O-RING BOSS COMPACTE  
 AGJO 90° KOMPAKT BOGEN DREHBAR MIT O-RING  
 MACHO O-RING BOSS GIRATORIO A 90° COMPACTO

\* NOT TO BE USED AS A LIVE SWIVEL  
 DA NON USARE COME APPLICAZIONE ROTANTE  
 NE PAS UTILISER COMME APPLICATION ROTATIVE  
 NICHT ZU BENUTZEN ALS DREHVERSCHRAUBUNG  
 NO USAR COMO UNA PIEZA GIRATORIA VIVA

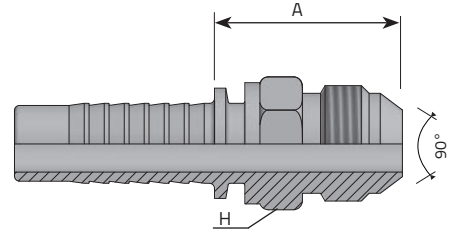


	Code	Tube			Thread		Dimensions				Pressure	
		D.N.	Hose	Diam	T	t/1"	H	H1	B	A	Bar	Psi
			Inch	mm	Inch		mm	mm	mm	mm		
*	MOB900404SW	-4	1/4"	6.4	7/16"	20	22	17	52	23	350	5076
*	MOB900406SW	-4	1/4"	6.4	9/16"	18	22	22	54,4	23	350	5076
*	MOB900604SW	-6	3/8"	9.5	7/16"	20	22	17	52	23	350	5076
*	MOB900606SW	-6	3/8"	9.5	9/16"	18	22	22	54,4	23	350	5076
*	MOB900608SW	-6	3/8"	9.5	3/4"	16	22	27	57,5	23	350	5076
*	MOB900806SW	-8	1/2"	12.8	9/16"	18	22	22	54,4	23,5	350	5076
*	MOB900808SW	-8	1/2"	12.8	3/4"	16	22	27	57,5	23,5	350	5076
*	MOB900812SW	-8	1/2"	12.8	1.1/16"	12	27	32	71,5	23,5	280	4061
*	MOB901212SW	-12	3/4"	19	1.1/16"	12	27	32	71,5	25	280	4061
*	MOB901616SW	-16	1"	25.4	1.5/16"	12	33	38	72,5	32,5	200	2901



## SAE 45° MALE

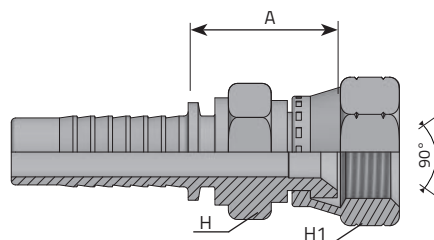
MASCHIO SAE CONO 45°  
 MÂLE SAE CÔNE 45°  
 SAE AUSSENGEWINDE 45° KONUS  
 MAJO SAE 45°



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MJ0404SV45	-4	1/4"	6.4	7/16"	20	14	25.2	450	6526
MJ0405SV45	-4	1/4"	6.4	1/2"	20	14	-	450	6526
MJ0607SV45	-6	3/8"	9.5	5/8"	18	17	29	-	-
MJ0608SV45	-6	3/8"	9.5	3/4"	16	19	30.5	415	6018
MJ0808SV45	-8	1/2"	12.8	3/4"	16	19	31	415	6018
MJ0810SV45	-8	1/2"	12.8	7/8"	14	24	35	350	5076
MJ1212SV45	-12	3/4"	19	1.1/16"	12	30	40.5	350	5076

## SAE 45° FEMALE (DOUBLE HEXAGON)

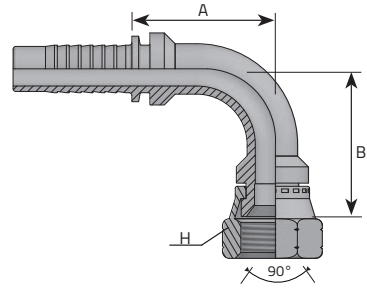
FEMMINA SAE DIRITTA CONO 45°  
 FEMELLE DROIT SAE CÔNE 45°  
 SAE DICHTKOPF 45° KONUS  
 HEMBRA GIRATORIA RECTA SAE 45°



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
FDJ0404GIR45	-4	1/4"	6.4	7/16"	20	14	14	20.7	350	5076
FDJ0405GIR45	-4	1/4"	6.4	1/2"	20	14	17	21.4	350	5076
FDJ0607GIR45	-6	3/8"	9.5	5/8"	18	17	22	25.2	-	-
FDJ0608GIR45	-6	3/8"	9.5	3/4"	16	19	22	27.3	250	3626
FDJ0808GIR45	-8	1/2"	12.8	3/4"	16	19	22	27.8	250	3626
FDJ0810GIR45	-8	1/2"	12.8	7/8"	14	22	-	29.5	200	2900
FDJ1212GIR45	-12	3/4"	19	1.1/16"	14	27	32	35	200	2900

## SAE 45° FEMALE - 90° ELBOW

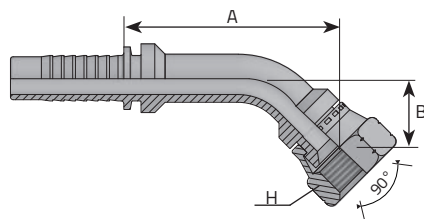
FEMMINA SAE A 90° SV 45°  
 FEMELLE 90° SAE CÔNE 45°  
 90° SAE DICHTKOPF 45° KONUS  
 HEMBRA GIRATORIA A 90° SAE 45°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F90J0404SV45	-4	1/4"	6.4	7/16"	20	15	26	23	350	5076
F90J0405SV45	-4	1/4"	6.4	1/2"	20	17	27	23	350	5076
F90J0507SV45	-5	5/16"	7.9	5/8"	18	22	32.5	31.5	-	-
F90J0607SV45	-6	3/8"	9.5	5/8"	18	22	35.5	33	-	-
F90J0608SV45	-6	3/8"	9.5	3/4"	16	24	36.5	33	250	3626
F90J0808SV45	-8	1/2"	12.8	3/4"	16	24	41	39	250	3626
F90J1212SV45	-12	3/4"	19	1.1/16"	14	32	58	53.5	200	2900

## SAE 45° FEMALE - 45° ELBOW

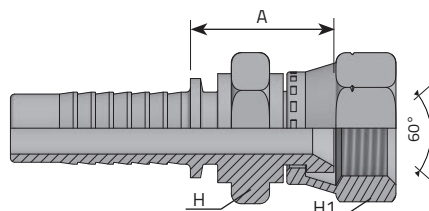
FEMMINA SAE A 45° SV 45°  
 FEMELLE 45° SAE CÔNE 45°  
 45° SAE DICHTKOPF 45° KONUS  
 HEMBRA GIRATORIA A 45° SAE 45°



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45J0404SV45	-4	1/4"	6.4	7/16"	20	15	15	38	350	5076
F45J0405SV45	-4	1/4"	6.4	1/2"	20	17	17	40	350	5076
F45J0607SV45	-6	3/8"	9.5	5/8"	18	22	19	54		
F45J0608SV45	-6	3/8"	9.5	3/4"	16	24	19	54	250	3626
F45J0808SV45	-8	1/2"	12.8	3/4"	16	24	20	62	200	2900
F45J0810SV45	-8	1/2"	12.8	7/8"	14	27	21	63	200	2900
F45J0812SV45	-8	1/2"	12.8	1.1/16"	14	32	22	64	200	2900
F45J1212SV45	-12	3/4"	19	1.1/16"	14	32	29	62	200	2900

## KOMATSU STYLE METRIC FEMALE

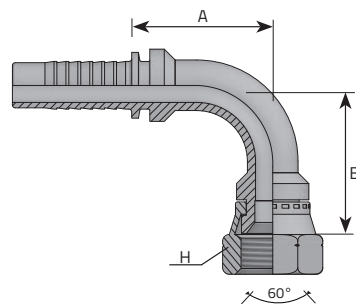
FEMMINA METRICA "KOMATSU" SV 60°  
 FEMELLE MÉTRIQUE DROIT "KOMATSU" CÔNE 60°  
 DK "KOMATSU" 60° KONUS METRISCH  
 HEMBRA GIRATORIA RECTA MÉTRICA "KOMATSU" CONO 60°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm		
FDK0414	-4	1/4"	6.4	M14 x 1.5		17	19	24.2	350	5076
<b>FDK0416</b>	<b>-4</b>	<b>1/4"</b>	<b>6.4</b>	<b>M 16 x 1.5</b>		<b>19</b>	<b>22</b>	<b>24.2</b>	<b>280</b>	<b>4061</b>
FDK0516	-5	5/16"	7.9	M16 x 1.5		19	22	24.2	280	4061
<b>FDK0614</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>M14 x 1.5</b>		<b>17</b>	<b>19</b>	<b>24.2</b>	<b>280</b>	<b>4061</b>
FDK0616	-6	3/8"	9.5	M16 x 1.5		19	22	24.2	280	4061
<b>FDK0618</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>M18 x 1.5</b>		<b>24</b>	<b>24</b>	<b>25.8</b>	<b>280</b>	<b>4061</b>
FDK0818	-8	1/2"	12.8	M18 x 1.5		24	24	26.3	280	4061
<b>FDK0820</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>M20 x 1.5</b>		<b>27</b>	<b>27</b>	<b>29</b>	<b>200</b>	<b>2901</b>
FDK0822	-8	1/2"	12.8	M22 x 1.5		27	27	29	200	2901
<b>FDK0824</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>M24 x 1.5</b>		<b>32</b>	<b>32</b>	<b>32</b>	<b>200</b>	<b>2901</b>
FDK1022	-10	5/8"	16	M22 x 1.5		27	27	29	200	2901
<b>FDK1024</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>M24 x 1.5</b>		<b>32</b>	<b>32</b>	<b>32.5</b>	<b>200</b>	<b>2901</b>
FDK1230	-12	3/4"	19	M30 x 1.5		36	36	32.5	160	2320
<b>FDK1633</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>M33 x 1.5</b>		<b>41</b>	<b>41</b>	<b>34.6</b>	<b>160</b>	<b>2320</b>
FDK2036	-20	1.1/4"	31.8	M36 x 1.5		46	46	37.5	125	1813
<b>FDK2442</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>	<b>M42 x 1.5</b>		<b>50</b>	<b>50</b>	<b>36.1</b>	<b>100</b>	<b>1450</b>

## KOMATSU STYLE FEMALE - 90° ELBOW

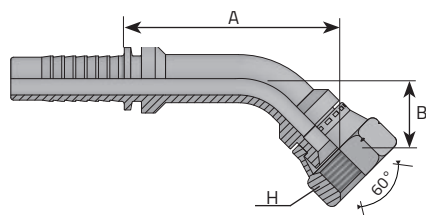
FEMMINA 90° METRICA "KOMATSU" SV 60°  
 FEMELLE 90° MÉTRIQUE "KOMATSU" CÔNE 60°  
 DKM 90° "KOMATSU" 60° KONUS METRISCH  
 HEMBRA GIRATORIA A 90° MÉTRICA "KOMATSU" CONO 60°



Code	Tube			Thread	Dimensions			Pressure		
	D.N.	Hose	Diam		T	H	B	A	Bar	Psi
	Inch		mm		mm	mm	mm	mm		
F90K0414	-4	1/4"	6.4	M14 x 1.5	19	27	23	350	5076	
F90K0416	-4	1/4"	6.4	M16 x 1.5	22	27	23	250	3626	
F90K0516	-5	5/16"	7.9	M16 x 1.5	22	32	31.5	250	3626	
F90K0614	-6	3/8"	9.5	M14 x 1.5	19	35	33	250	3626	
F90K0616	-6	3/8"	9.5	M16 x 1.5	22	35	33	250	3626	
F90K0618	-6	3/8"	9.5	M18 x 1.5	24	36.5	33	250	3626	
F90K0818	-8	1/2"	12.8	M18 x 1.5	24	41	39	250	3626	
F90K0820	-8	1/2"	12.8	M20 x 1.5	27	43.5	39	200	2901	
F90K0822	-8	1/2"	12.8	M22 x 1.5	27	43.5	39	200	2901	
F90K0824	-8	1/2"	12.8	M24 x 1.5	32	50	39	200	2901	
F90K1022	-10	5/8"	16	M22 x 1.5	27	50	49	200	2901	
F90K1024	-10	5/8"	16	M24 x 1.5	32	55	49	200	2901	
F90K1230	-12	3/4"	19	M30 x 1.5	36	62.5	53.5	160	2320	
F90K1633	-16	1"	25.4	M33 x 1.5	41	69.5	73	160	2320	
F90K2036	-20	1.1/4"	31.8	M36 x 1.5	46	88	89	125	1813	
F90K2442	-24	1.1/2"	38.1	M42 x 1.5	50	106.5	101	100	1450	

## KOMATSU STYLE FEMALE - 45° ELBOW

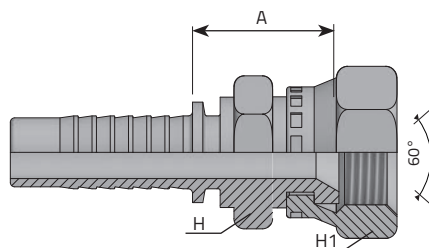
FEMMINA 45° METRICA "KOMATSU" SV 60°  
 FEMELLE 45° MÉTRIQUE "KOMATSU" CÔNE 60°  
 DKM 45° "KOMATSU" 60° KONUS METRISCH  
 HEMBRA MÉTRICA A 45° "KOMATSU" CONO 60°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm		
F45K0414	-4	1/4"	6.4	M14 x 1.5		19	17	40	350	5076
F45K0416	-4	1/4"	6.4	M16 x 1.5		22	17	40	250	3626
F45K0516	-5	5/16"	7.9	M16 x 1.5		22	18.5	49.5	250	3626
F45K0614	-6	3/8"	9.5	M14 x 1.5		19	18	53	250	3626
F45K0616	-6	3/8"	9.5	M16 x 1.5		22	18	53	250	3626
F45K0618	-6	3/8"	9.5	M18 x 1.5		24	19	54	250	3626
F45K0818	-8	1/2"	12.8	M18 x 1.5		24	20	62	250	3626
F45K0820	-8	1/2"	12.8	M20 x 1.5		27	22	63	200	2901
F45K0822	-8	1/2"	12.8	M22 x 1.5		27	22	63	200	2901
F45K0824	-8	1/2"	12.8	M24 x 1.5		32	22	64	200	2901
F45K1022	-10	5/8"	16	M22 x 1.5		27	22	60	200	2901
F45K1024	-10	5/8"	16	M24 x 1.5		32	25	63	200	2901
F45K1230	-12	3/4"	19	M30 x 1.5		36	29	63	160	2320
F45K1633	-16	1"	25.4	M33 x 1.5		41	39.5	88.5	160	2320
F45K2036	-20	1.1/4"	31.8	M36 x 1.5		46	40	101	125	1813
F45K2442	-24	1.1/2"	38.1	M42 x 1.5		50	39	118	100	1450

## TOYOTA STYLE FEMALE

FEMMINA DIRITTA TOYOTA SV 60°  
 FEMELLE DROIT TOYOTA CÔNE 60°  
 DK TOYOTA 60° KONUS  
 HEMBRA GIRATORIA RECTA TOYOTA CONO 60°

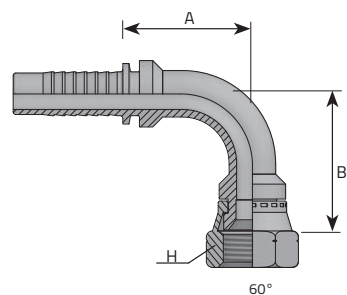


Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
FDT0404	-4	1/4"	6.4	1/4"	19	17	19	51	350	5076
FDT0606	-6	3/8"	9.5	3/8"	19	19	22	54	280	4061
FDT0808	-8	1/2"	12.8	1/2"	14	22	27	60.5	200	2901
FDT1212	-12	3/4"	19	3/4"	14	27	32	70.5	200	2901
FDT1616	-16	1"	25.4	1"	11	32	38	88	160	2320
FDT2020	-20	1.1/4"	31.8	1.1/4"	11	41	50	97.5	125	1813
FDT2424	-24	1.1/2"	38.1	1.1/2"	11	50	55	110.5	100	1450



## TOYOTA STYLE FEMALE - 90° ELBOW

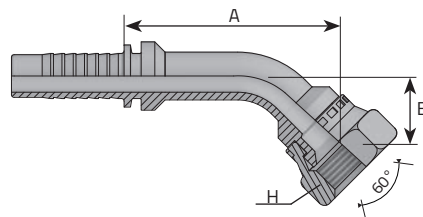
FEMMINA 90° TOYOTA  
 FEMELLE 90° TOYOTA CÔNE 60°  
 DK 90° TOYOTA 60° KONUS  
 HEMBRA GIRATORIA A 90° TOYOTA CONO 60°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F90T0404	-4	1/4"	6.4	1/4"	19	19	26	23	350	5076
F90T0606	-6	3/8"	9.5	3/8"	19	22	34.5	33	280	4061
F90T0808	-8	1/2"	12.8	1/2"	14	27	41	39	200	2901
F90T1212	-12	3/4"	19	3/4"	14	32	54.5	53.5	200	2901
F90T1616	-16	1"	25.4	1"	11	38	68	73	160	2320
F90T2020	-20	1.1/4"	31.8	1.1/2"	11	50	88.5	89	125	1813
F90T2424	-24	1.1/2"	38.1	1.1/2"	11	55	109.5	101	100	1450

## TOYOTA STYLE FEMALE 45° ELBOW

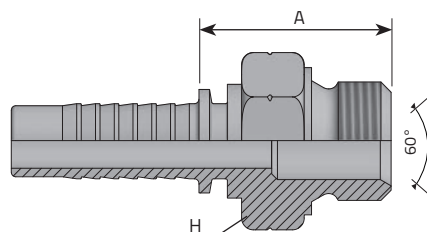
FEMMINA 45° TOYOTA  
 FEMELLE 45° TOYOTA CÔNE 60°  
 DK 45° TOYOTA 60° KONUS  
 HEMBRA GIRATORIA A 45° TOYOTA CONO 60°



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F45T0404	-4	1/4"	6.4	1/4"	19	19	14	40	350	5076
F45T0606	-6	3/8"	9.5	3/8"	19	22	16.5	55	280	4061
F45T0808	-8	1/2"	12.8	1/2"	14	27	19	65	200	2901
F45T1212	-12	3/4"	19	3/4"	14	32	24.5	63	200	2901
F45T1616	-16	1"	25.4	1"	11	38	37	90	160	2320
F45T2020	-20	1.1/4"	31.8	1.1/4"	11	50	39.5	102	125	1813
F45T2424	-24	1.1/2"	38.1	1.1/2"	11	55	40.5	118	100	1450

## METRIC MALE -CONE 60° (1)

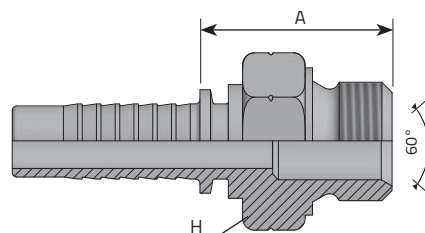
MASCHIO METRICO SV 60°  
 MÂLE MÉTRIQUE CÔNE 60°  
 AGM 60° INNENKONUS  
 MACHO MÉTRICO CONO 60°



Code	Tube			Thread	Dimensions		Pressure	
	D.N.	Hose	Diam		T	H	A	Bar
	Inch		mm	mm	mm	mm		
MM0310	-3	3/16"	4.8	M10 x 1	14	21	400	5801
MM0312	-3	3/16"	4.8	M12 x 1.5	17	24.5	400	5801
MM0410	-4	1/4"	6.4	M10 x 1	14	21	400	5801
MM0412	-4	1/4"	6.4	M12 x 1.5	17	25.5	400	5801
MM0414	-4	1/4"	6.4	M14 x 1.5	19	27	400	5801
MM0416	-4	1/4"	6.4	M16 x 1.5	22	29	400	5801
MM0418	-4	1/4"	6.4	M18 x 1.5	24	29	400	5801
MM0514	-5	5/16"	7.9	M14 x 1.5	19	27	350	5076
MM0516	-5	5/16"	7.9	M16 x 1.5	22	29	350	5076
MM0518	-5	5/16"	7.9	M18 x 1.5	24	29	350	5076
MM0614	-6	3/8"	9.5	M14 x 1.5	19	27	400	5801
MM0616	-6	3/8"	9.5	M16 x 1.5	22	29	400	5801
MM0618	-6	3/8"	9.5	M18 x 1.5	24	29	400	5801
MM0620	-6	3/8"	9.5	M20 x 1.5	27	32	350	5076
MM0622	-6	3/8"	9.5	M22 x 1.5	27	32	350	5076
MM0818	-8	1/2"	12.8	M18 x 1.5	24	29	400	5801

## METRIC MALE - CONE 60° (2)

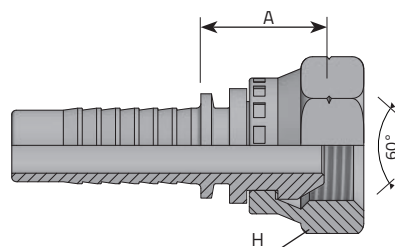
MASCHIO METRICO SV 60°  
 MÂLE MÉTRIQUE CÔNE 60°  
 AGM 60° INNENKONUS  
 MACHO MÉTRICO CONO 60°



Code	Tube		Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	H	A	Bar	Psi
	Inch		mm	mm	mm	mm		
MM0820	-8	1/2"	12.8	M20 x 1.5	27	33	350	5076
MM0822	-8	1/2"	12.8	M22 x 1.5	27	33	350	5076
MM0824	-8	1/2"	12.8	M24 x 1.5	30	36	315	4568
MM0826	-8	1/2"	12.8	M26 x 1.5	32	36	315	4568
MM1026	-10	5/8"	16	M26 x 1.5	32	36	315	4568
MM1226	-12	3/4"	19	M26 x 1.5	32	37	315	4568
MM1230	-12	3/4"	19	M30 x 1.5	36	36	250	3626
MM1638	-16	1"	25.4	M38 x 1.5	46	37	200	2901
MM2045	-20	1.1/4"	31.8	M45 x 1.5	50	43.5	160	2320
MM2452	-24	1.1/2"	38.1	M52 x 1.5	55	46	125	1813

## METRIC FEMALE - 60° CONE (1)

FEMMINA METRICA SV 60°  
 FEMELLE DROIT MÉTRIQUE CÔNE 60°  
 DKM 60° KONUS  
 HEMBRA GIRATORIA MÉTRICA CONO 60°

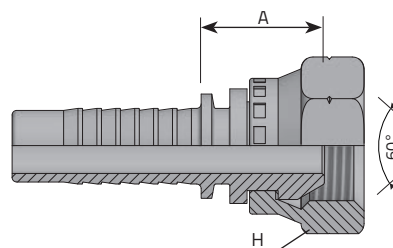


Code	Tube		Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	H	A	Bar	Psi
	Inch		mm	mm	mm	mm		
FDM0310	-3	3/16"	4.8	M10 x 1	15	18	350	5076
FDM0312	-3	3/16"	4.8	M12 x 1.5	17	18	350	5076
FDM0410	-4	1/4"	6.4	M10 x 1	15	18	350	5076
FDM0412	-4	1/4"	6.4	M12 x 1.5	17	18	350	5076
FDM0414	-4	1/4"	6.4	M14 x 1.5	19	18	350	5076
FDM0416	-4	1/4"	6.4	M16 x 1.5	22	19	350	5076
FDM0418	-4	1/4"	6.4	M18 x 1.5	22	19	350	5076
FDM0514	-5	5/16"	7.9	M14 x 1.5	19	18	350	5076
FDM0516	-5	5/16"	7.9	M16 x 1.5	22	19	350	5076
FDM0518	-5	5/16"	7.9	M18 x 1.5	22	19	350	5076
FDM0614	-6	3/8"	9.5	M14 x 1.5	19	19	350	5076
FDM0616	-6	3/8"	9.5	M16 x 1.5	22	20	350	5076
FDM0618	-6	3/8"	9.5	M18 x 1.5	22	20	350	5076
FDM0620	-6	3/8"	9.5	M20 x 1.5	27	21	315	4568
FDM0622	-6	3/8"	9.5	M22 x 1.5	27	21	315	4568
FDM0818	-8	1/2"	12.8	M18 x 1.5	24	20	315	4568

## METRIC FEMALE - 60° CONE (2)

FEMMINA METRICA SV 60°  
 FEMELLE DROIT MÉTRIQUE CÔNE 60°  
 DKM 60° KONUS  
 HEMBRA GIRATORIA MÉTRICA CONO 60°

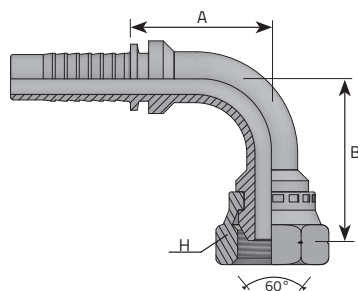
\* REMOVABLE NUT + SPHERICAL SEATING  
 DADO SFILABILE + OGIVA SFERICA



Code	Tube		Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	H	A	Bar	Psi
	Inch		mm	mm	mm	mm		
FDM0820	-8	1/2"	12.8	M20 x 1.5	27	22	315	4568
FDM0822	-8	1/2"	12.8	M22 x 1.5	27	22	315	4568
FDM0824	-8	1/2"	12.8	M24 x 1.5	30	23	250	3626
FDM0826	-8	1/2"	12.8	M26 x 1.5	32	24	250	3626
FDM1026	-10	5/8"	16	M26 x 1.5	32	24	250	3626
FDM1027	-10	5.8	16	M27 x 1.5	32	24	250	3626
FDM1226	-12	3/4"	19	M26 x 1.5	32	25	315	4568
FDM1227	-12	3/4"	19	M27 x 1.5	32	25	250	3626
* FDM1230	-12	3/4"	19	M30 x 1.5	36	26	200	2901
FDM1233	-12	3/4"	19	M33 x 2	38	27.5	160	2320
* FDM1638	-16	1"	25.4	M38 x 1.5	46	37	125	1813
* FDM2045	-20	1.1/4"	31.8	M45 x 1.5	50	32	125	1813
* FDM2452	-24	1.1/2"	38.1	M52 x 1.5	60	38.5	125	1813

## METRIC FEMALE - 90° ELBOW (1)

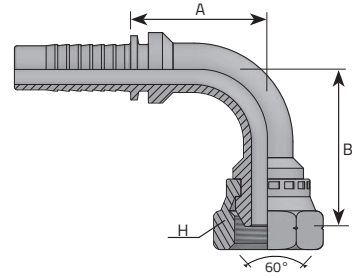
FEMMINA 90° METRICA SV 60°  
 FEMELLE 90° MÉTRIQUE CÔNE 60°  
 DKM 90° BOGEN 60° KONUS  
 HEMBRA GIRATORIA A 90° MÉTRICA CONO 60°



	Code	Tube			Thread	Dimensions			Pressure	
		D.N.	Hose	Diam		T	H	B	A	Bar
Inch		Inch	mm	mm	mm	mm	mm	mm		
	F90M0310	-3	3/16"	4.8	M10 x 1	15	29	23	350	5076
	F90M0312	-3	3/16"	4.8	M12 x 1.5	17	29	23	350	5076
	F90M0410	-4	1/4"	6.4	M10 x 1	15	29	23	350	5076
	F90M0412	-4	1/4"	6.4	M12 x 1.5	17	29	23	350	5076
	F90M0414	-4	1/4"	6.4	M14 x 1.5	19	29	23	350	5076
	F90M0416	-4	1/4"	6.4	M16 x 1.5	22	32	23	350	5076
	F90M0418	-4	1/4"	6.4	M18 x 1.5	22	32	23	350	5076
	F90M0514	-5	5/16"	7.9	M14 x 1.5	19	33.5	31.5	350	5076
	F90M0516	-5	5/16"	7.9	M16 x 1.5	22	35.5	31.5	350	5076
	F90M0518	-5	5/16"	7.9	M18 x 1.5	22	35.5	31.5	350	5076
	F90M0614	-6	3/8"	9.5	M14 x 1.5	19	37	33	350	5076
	F90M0616	-6	3/8"	9.5	M16 x 1.5	22	38	33	350	5076
	F90M0618	-6	3/8"	9.5	M18 x 1.5	22	38	33	350	5076
	F90M0620	-6	3/8"	9.5	M20 x 1.5	27	42	33	315	4568
	F90M0622	-6	3/8"	9.5	M22 x 1.5	27	42	33	315	4568
	F90M0818	-8	1/2"	12.8	M18 x 1.5	24	43	39	315	4568

## METRIC FEMALE - 90° ELBOW (2)

FEMMINA 90° METRICA SV 60°  
 FEMELLE 90° MÉTRIQUE CÔNE 60°  
 DKM 90° BOGEN 60° KONUS  
 HEMBRA MÉTRICA CODO 90° ASIENTO 60°



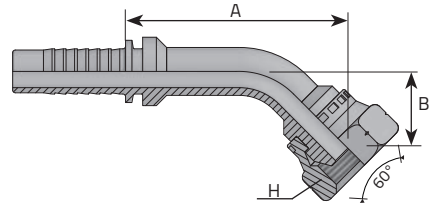
\* REMOVABLE NUT + SPHERICAL SEATING  
 DADO SFILABILE + OGIVA SFERICA

Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	H	B	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm		
F90M0820	-8	1/2"	12.8	M20 x 1.5	27	45	39	315	4568
<b>F90M0822</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>M22 x 1.5</b>	<b>27</b>	<b>45</b>	<b>39</b>	<b>315</b>	<b>4568</b>
F90M0824	-8	1/2"	12.8	M24 x 1.5	30	47	39	250	3626
<b>F90M0826</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>M26 x 1.5</b>	<b>32</b>	<b>51</b>	<b>39</b>	<b>250</b>	<b>3626</b>
F90M1026	-10	5/8"	16	M26 x 1.5	32	56	49	250	3626
<b>F90M1027</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>M27 x 1.5</b>	<b>32</b>	<b>56</b>	<b>49</b>	<b>250</b>	<b>3626</b>
F90M1226	-12	3/4"	19	M26 x 1.5	32	59	53.5	250	3626
<b>F90M1227</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>M27 x 1.5</b>	<b>32</b>	<b>59</b>	<b>53.5</b>	<b>250</b>	<b>3626</b>
* F90M1230	-12	3/4"	19	M30 x 1.5	36	63	53.5	-	-
* <b>F90M1638</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>M38 x 1.5</b>	<b>46</b>	<b>72</b>	<b>73</b>	<b>-</b>	<b>-</b>
* F90M2045	-20	1.1/4"	31.8	M45 x 1.5	50	89	93	-	-
* F90M2452	-24	1.1/2"	38.1	M52 x 1.5	55	110	99	-	-



## METRIC FEMALE - 45° ELBOW (1)

FEMMINA 45° METRICA SV 60°  
 FEMELLE 45° MÉTRIQUE CÔNE 60°  
 DKM 45° BOGEN 60° KONUS  
 HEMBRA GIRATORIA A 45° MÉTRICA CONO 60°

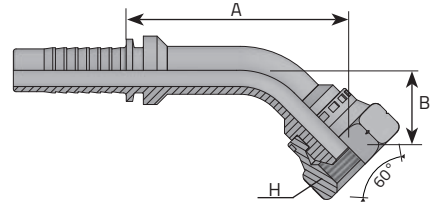


Code	Tube			Thread	Dimensions			Pressure		
	D.N.	Hose	Diam		T	H	B	A	Bar	Psi
	Inch		mm		mm	mm	mm	mm		
F45M0310	-3	3/16"	4.8	M10 x 1	15	17	40	350	5076	
F45M0312	-3	3/16"	4.8	M12 x 1.5	17	17	40	350	5076	
F45M0410	-4	1/4"	6.4	M10 x 1	15	17	40	350	5076	
F45M0412	-4	1/4"	6.4	M12 x 1.5	17	17	40	350	5076	
F45M0414	-4	1/4"	6.4	M14 x 1.5	19	17	40	350	5076	
F45M0416	-4	1/4"	6.4	M16 x 1.5	22	20	43	350	5076	
F45M0418	-4	1/4"	6.4	M18 x 1.5	22	20	43	350	5076	
F45M0514	-5	5/16"	7.9	M14 x 1.5	19	17	40	350	5076	
F45M0516	-5	5/16"	7.9	M16 x 1.5	22	20	43	350	5076	
F45M0518	-5	5/16"	7.9	M18 x 1.5	22	20	43	350	5076	
F45M0614	-6	3/8"	9.5	M14 x 1.5	19	20	55	350	5076	
F45M0616	-6	3/8"	9.5	M16 x 1.5	22	20	55	350	5076	
F45M0618	-6	3/8"	9.5	M18 x 1.5	22	20	55	350	5076	
F45M0620	-6	3/8"	9.5	M20 x 1.5	27	23	58	315	4568	
F45M0622	-6	3/8"	9.5	M22 x 1.5	27	23	58	315	4568	
F45M0818	-8	1/2"	12.8	M18 x 1.5	24	23	65	315	4568	

## METRIC FEMALE - 45° ELBOW (2)

FEMMINA 45° METRICA SV 60°  
 FEMELLE 45° MÉTRIQUE CÔNE 60°  
 DKM 45° BOGEN 60° KONUS  
 HEMBRA GIRATORIA A 45° MÉTRICA CONO 60°

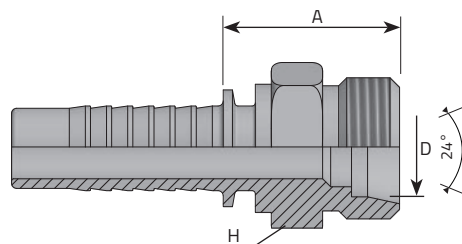
\* REMOVABLE NUT + SPHERICAL SEATING  
 DADO SFILABILE + OGIVA SFERICA



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	H	B	A	Bar	Psi
		Inch	mm	mm	mm	mm	mm		
F45M0820	-8	1/2"	12.8	M20 x 1.5	27	23	65	315	4568
F45M0822	-8	1/2"	12.8	M22 x 1.5	27	23	65	315	4568
F45M0824	-8	1/2"	12.8	M24 x 1.5	30	21	66	250	3626
F45M0826	-8	1/2"	12.8	M26 x 1.5	32	21	66	250	3626
F45M1026	-10	5/8"	16	M26 x 1.5	32	26	64	250	3626
F45M1027	-10	5/8"	16	M27 x 1.5	32	26	64	250	3626
F45M1226	-12	3/4"	19	M26 x 1.5	32	29	63	250	3626
F45M1227	-12	3/4"	19	M27 x 1.5	32	29	63	250	3626
* F45M1230	-12	3/4"	19	M30 x 1.5	36	31	65	-	-
* F45M1638	-16	1"	25.4	M38 x 1.5	46	41	90	-	-
* F45M2045	-20	1.1/4"	31.8	M45 x 1.5	50	45	103	-	-
* F45M2452	-24	1.1/2"	38.1	M52 x 1.5	55	53	119	-	-

## METRIC MALE 24° CONE - L TYPE (1)

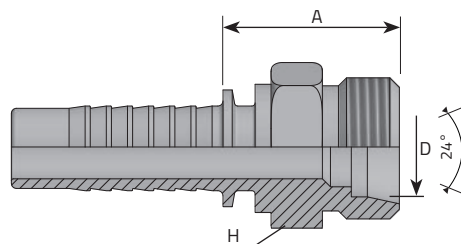
MASCHIO METRICO 24° DKOL  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE L  
 CEL 24° KONUS METRISCH  
 MACHO MÉTRICO CONO 24° - SERIE L



Code	Tube			Thread	Dimensions			Pressure		
	D.N.	Hose	Diam		T	D	H	A	Bar	Psi
	Inch		mm		mm	mm	mm	mm		
ME0312L6	-3	3/16"	4.8	M12 x 1.5	6	14	22.5	250	3626	
<b>ME0314L8</b>	-3	<b>3/16"</b>	<b>4.8</b>	<b>M14 x 1.5</b>	<b>8</b>	<b>15</b>	<b>23</b>	<b>250</b>	<b>3626</b>	
ME0412L6	-4	1/4"	6.4	M12 x 1.5	6	14	23	250	3626	
<b>ME0414L8</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>M14 x 1.5</b>	<b>8</b>	<b>15</b>	<b>23</b>	<b>250</b>	<b>3626</b>	
ME0416L10	-4	1/4"	6.4	M16 x 1.5	10	17	25	250	3626	
<b>ME0418L12</b>	-4	<b>1/4"</b>	<b>6.4</b>	<b>M18 x 1.5</b>	<b>12</b>	<b>19</b>	<b>26</b>	<b>250</b>	<b>3626</b>	
ME0514L8	-5	5/16"	7.9	M14 x 1.5	8	15	23	250	3626	
<b>ME0516L10</b>	-5	<b>5/16"</b>	<b>7.9</b>	<b>M16 x 1.5</b>	<b>10</b>	<b>17</b>	<b>25</b>	<b>250</b>	<b>3626</b>	
ME0518L12	-5	5/16"	7.9	M18 x 1.5	12	19	26	250	3626	
<b>ME0616L10</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>M16 x 1.5</b>	<b>10</b>	<b>17</b>	<b>25</b>	<b>250</b>	<b>3626</b>	
ME0618L12	-6	3/8"	9.5	M18 x 1.5	12	19	25	250	3626	
<b>ME0622L15</b>	-6	<b>3/8"</b>	<b>9.5</b>	<b>M22 x 1.5</b>	<b>15</b>	<b>24</b>	<b>27</b>	<b>250</b>	<b>3626</b>	
ME0818L12	-8	1/2"	12.8	M18 x 1.5	12	22	26	250	3626	
<b>ME0822L15</b>	-8	<b>1/2"</b>	<b>12.8</b>	<b>M22 x 1.5</b>	<b>15</b>	<b>24</b>	<b>27.5</b>	<b>250</b>	<b>3626</b>	
ME0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	27.5	160	2320	
<b>ME1026L18</b>	-10	<b>5/8"</b>	<b>16</b>	<b>M26 x 1.5</b>	<b>18</b>	<b>27</b>	<b>27.5</b>	<b>160</b>	<b>2320</b>	

## METRIC MALE 24° CONE - L TYPE (2)

MASCHIO METRICO 24° DKOL  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE L  
 CEL 24° KONUS METRISCH  
 MACHO MÉTRICO CONO 24° - SERIE L

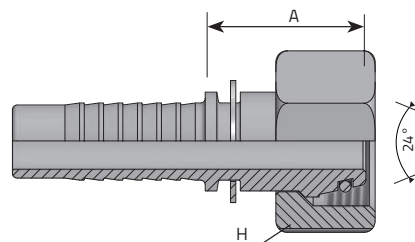


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	D	H	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm		
ME1030L22	-10	5/8"	16	M30 x 2	22	32	31.5	160	2320
ME1226L18	-12	3/4"	19	M26 x 1.5	18	27	29	160	2320
ME1230L22	-12	3/4"	19	M30 x 2	22	32	32	160	2320
ME1636L28	-16	1"	25.4	M36 x 2	28	38	40	100	1450
ME2045L35	-20	1.1/4"	31.8	M45 x 2	35	46	41.5	100	1450
ME2452L42	-24	1.1/2"	38.1	M52 x 2	42	55	40	100	1450

## METRIC FEMALE 24° CONE - L TYPE (1)

FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA MÉTRICA CON O-RING CONO 24° - SERIE L

\* CRIMPED NUT  
 DADO PINZATO

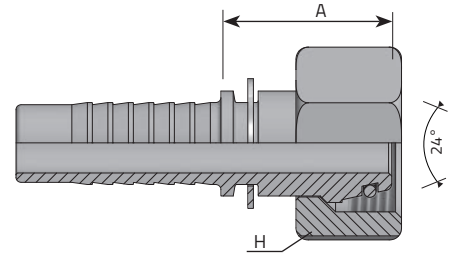


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		T	D	H	A	Bar
	Inch		mm	mm	mm	mm	mm		
FE0312L6	-3	3/16"	4.8	M12 x 1.5	6	14	25.5	250	3626
FE0314L8	-3	3/16"	4.8	M14 x 1.5	8	17	25.5	250	3626
* FE0412L6	-4	1/4"	6.4	M12 x 1.5	6	17	21	250	3626
FE0414L8	-4	1/4"	6.4	M14 x 1.5	8	17	23.5	250	3626
FE0416L10	-4	1/4"	6.4	M16 x 1.5	10	19	26	250	3626
FE0418L12	-4	1/4"	6.4	M18 x 1.5	12	22	26	250	3626
* FE0514L8	-5	5/16"	7.9	M14 x 1.5	8	19	21.5	250	3626
FE0516L10	-5	5/16"	7.9	M16 x 1.5	10	19	26	250	3626
FE0518L12	-5	5/16"	7.9	M18 x 1.5	12	22	26	250	3626
* FE0616L10	-6	3/8"	9.5	M16 x 1.5	10	19	23.5	250	3626
FE0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	26.5	250	3626
FE0622L15	-6	3/8"	9.5	M22 x 1.5	15	27	27	250	3626
* FE0818L12	-8	1/2"	12.8	M18 x 1.5	12	22	25.5	250	3626
FE0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	27.5	250	3626
FE0826L18	-8	1/2"	12.8	M26 x 1.5	18	32	28	160	2320
FE1026L18	-10	5/8"	16	M26 x 1.5	18	32	30	160	2320

## METRIC FEMALE 24° CONE - L TYPE (2)

FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA MÉTRICA CON O-RING CONO 24° - SERIE L

\* CRIMPED NUT  
 DADO PINZATO

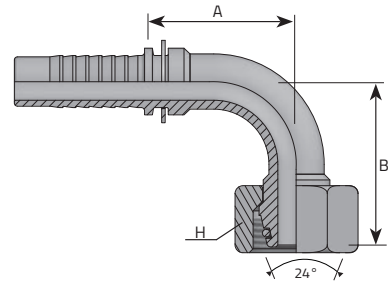


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	D	H	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm		
FE1030L22	-10	5/8"	16	M30 x 2	22	36	31	160	2320
* FE1226L18	-12	3/4"	19	M26 x 1.5	18	32	29	160	2320
FE1230L22	-12	3/4"	19	M30 x 2	22	36	31	160	2320
FE1636L28	-16	1"	25.4	M36 x 2	28	41	33.5	100	1450
FE2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	38.5	100	1450
FE2452L42	-24	1.1/2"	38.1	M52 x 2	42	60	39	100	1450

## METRIC FEMALE 24° CONE - 90° ELBOW - L TYPE (1)

FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA A 90° MÉTRICA CON O-RING CONO 24° - SERIE L

\* CRIMPED NUT  
 DADO PINZATO

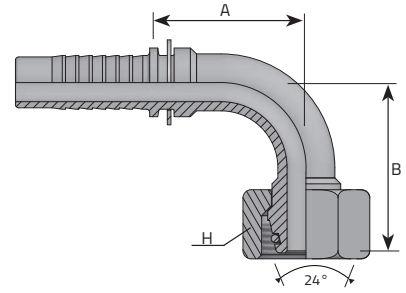


Code	Tube				Thread	Dimensions				Pressure	
	D.N.	Hose	Diam	T		D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
F90E0312L6	-3	3/16"	4.8	M12 x 1.5	6	14	31.5	29.5	250	3626	
F90E0314L8	-3	3/16"	4.8	M14 x 1.5	8	17	31.5	29.5	250	3626	
* F90E0412L6	-4	1/4"	6.4	M12 x 1.5	6	17	31.5	29.5	250	3626	
F90E0414L8	-4	1/4"	6.4	M14 x 1.5	8	17	31.5	29.5	250	3626	
F90E0416L10	-4	1/4"	6.4	M16 x 1.5	10	19	32.5	29	250	3626	
F90E0418L12	-4	1/4"	6.4	M18 x 1.5	12	22	30.5	27	250	3626	
* F90E0514L8	-5	5/16"	7.9	M14 x 1.5	8	19	36.7	31.5	250	3626	
F90E0516L10	-5	5/16"	7.9	M16 x 1.5	10	19	32.5	31	250	3626	
F90E0518L12	-5	5/16"	7.9	M18 x 1.5	12	22	37	29	250	3626	
* F90E0616L10	-6	3/8"	9.5	M16 x 1.5	10	19	38	33	250	3626	
F90E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	37.5	35.5	250	3626	
F90E0622L15	-6	3/8"	9.5	M22 x 1.5	15	27	42	34	250	3626	
* F90E0818L12	-8	1/2"	12.8	M18 x 1.5	12	22	49	39	250	3626	
F90E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	44	39.5	250	3626	
F90E0826L18	-8	1/2"	12.8	M26 x 1.5	18	32	46.5	39.5	160	2320	

## METRIC FEMALE 24° CONE - 90° ELBOW - L TYPE (2)

FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA A 90° MÉTRICA CON O-RING CONO 24° - SERIE L

\* CRIMPED NUT  
 DADO PINZATO



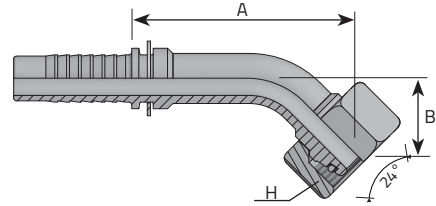
Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	D	H	B	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm	mm		
F90E1026L18	-10	5/8"	16	M26 x 1.5	18	32	50.5	48.5	160	2320
F90E1030L22	-10	5/8"	16	M30 x 2	22	36	53	48.5	160	2320
* F90E1226L18	-12	3/4"	19	M26 x 1.5	18	32	63.5	53.5	160	2320
F90E1230L22	-12	3/4"	19	M30 x 2	22	36	55.5	56.5	160	2320
F90E1636L28	-16	1"	25.4	M36 x 2	28	41	72.5	73	100	1450
F90E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	86.5	92	100	1450
F90E2452L42	-24	1.1/2"	38.1	M52 x 2	42	60	94	99	100	1450



## METRIC FEMALE 24° CONE -45° ELBOW - L TYPE (1)

FEMMINA 45° METRICA O-RING 24° DKOL CON O-RING  
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE L

\* CRIMPED NUT  
 DADO PINZATO

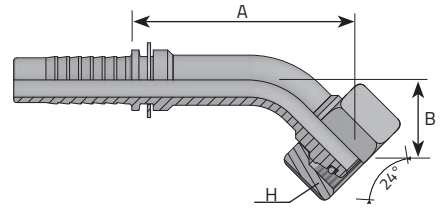


Code	Tube				Thread	Dimensions				Pressure	
	D.N.	Hose	Diam	T		D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
F45E0312L6	-3	3/16"	4.8	M12 x 1.5	6	14	15	37	250	3626	
F45E0314L8	-3	3/16"	4.8	M14 x 1.5	8	17	15	37	250	3626	
* F45E0412L6	-4	1/4"	6.4	M12 x 1.5	6	17	17	40	250	3626	
F45E0414L8	-4	1/4"	6.4	M14 x 1.5	8	17	17	50	250	3626	
F45E0416L10	-4	1/4"	6.4	M16 x 1.5	10	19	17	48.5	250	3626	
F45E0418L12	-4	1/4"	6.4	M18 x 1.5	12	22	17	48.5	250	3626	
* F45E0514L8	-5	5/16"	7.9	M14 x 1.5	8	19	23.2	51	250	3626	
F45E0516L10	-5	5/16"	7.9	M16 x 1.5	10	19	17	52.5	250	3626	
F45E0518L12	-5	5/16"	7.9	M18 x 1.5	12	22	20	50	250	3626	
* F45E0616L10	-6	3/8"	9.5	M16 x 1.5	10	19	20	55	250	3626	
F45E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	17	57	250	3626	
F45E0622L15	-6	3/8"	9.5	M22 x 1.5	15	27	19	59	250	3626	
* F45E0818L12	-8	1/2"	12.8	M18 x 1.5	12	22	27	65	250	3626	
F45E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	22	64	250	3626	
F45E0826L18	-8	1/2"	12.8	M26 x 1.5	18	32	26	65	160	2320	

## METRIC FEMALE 24° CONE - 45° ELBOW - L TYPE (2)

FEMMINA 45° METRICA O-RING 24° DKOL CON O-RING  
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE L

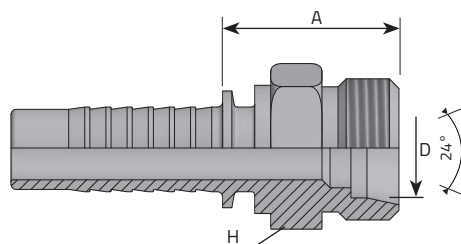
\* CRIMPED NUT  
 DADO PINZATO



Code	Tube				Thread	Dimensions				Pressure	
	D.N.	Hose	Diam	T		D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
F45E1026L18	-10	5/8"	16	M26 x 1.5	18	32	28	61.5	160	2320	
F45E1030L22	-10	5/8"	16	M30 x 2	22	36	30	63.5	160	2320	
* F45E1226L18	-12	3/4"	19	M26 x 1.5	18	32	33.5	63	160	2320	
F45E1230L22	-12	3/4"	19	M30 x 2	22	36	27	63	160	2320	
F45E1636L28	-16	1"	25.4	M36 x 2	28	41	38.5	85.5	100	1450	
F45E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	35	104.5	100	1450	
F45E2452L42	-24	1.1/2"	38.1	M52 x 2	42	60	45	119	100	1450	

## METRIC MALE 24° CONE - S TYPE (1)

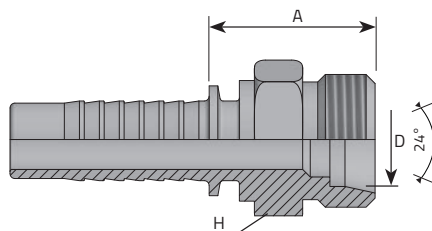
MASCHIO METRICO 24° DKOS  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE S  
 CES METRISCH 24° KONUS  
 MACHO MÉTRICO CONO 24° - SERIE S



Code	Tube		Thread	Dimensions			Pressure			
	D.N.	Hose		Diam	T	D	H	A	Bar	Psi
	Inch	mm		mm	mm	mm	mm	mm		
ME0314S6	-3	3/16"	4.8	M14 x 1.5	6	15	24	420	6091	
ME0316S8	-3	3/16"	4.8	M16 x 1.5	8	17	25	420	6091	
ME0414S6	-4	1/4"	6.4	M14 x 1.5	6	15	24	450	6526	
ME0416S8	-4	1/4"	6.4	M16 x 1.5	8	17	25	450	6526	
ME0418S10	-4	1/4"	6.4	M18 x 1.5	10	19	25	450	6526	
ME0420S12	-4	1/4"	6.4	M20 x 1.5	12	22	27	450	6526	
ME0518S10	-5	5/16"	7.9	M18 x 1.5	10	19	25	350	5076	
ME0520S12	-5	5/16"	7.9	M20 x 1.5	12	22	26.5	350	5076	
ME0618S10	-6	3/8"	9.5	M18 x 1.5	10	19	26	450	6526	
ME0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	27	450	6526	
ME0622S14	-6	3/8"	9.5	M22 x 1.5	14	24	29	450	6526	
ME0822S14	-8	1/2"	12.8	M22 x 1.5	14	24	30	420	6091	
ME0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	31	420	6091	
ME1030S20	-10	5/8"	16	M30 x 2	20	32	33	350	5076	
ME1230S20	-12	3/4"	19	M30 x 2	20	32	34	350	5076	

## METRIC MALE 24° CONE - S TYPE (2)

MASCHIO METRICO 24° DKOS  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE S  
 CES METRISCH 24° KONUS  
 MACHO MÉTRICO CONO 24° - SERIE S

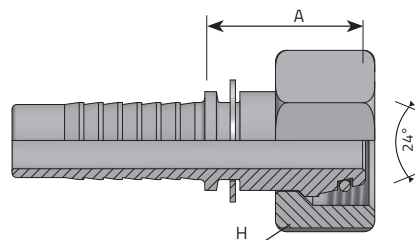


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	D	H	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm		
ME1236S25	-12	3/4"	19	M36 x 2	25	38	36	350	5076
ME1242S30	-12	3/4"	19	M42 x 2	30	-	-	350	5076
ME1636S25	-16	1"	25.4	M36 x 2	25	38	38.5	280	4061
ME1642S30	-16	1"	25.4	M42 x 2	30	46	42	280	4061
ME2042S30	-20	1.1/4"	31.8	M42 x 2	30	46	42	210	3046
ME2052S38	-20	1.1/4"	31.8	M52 x 2	38	55	46	210	3046
ME2452S38	-24	1.1/2"	38.1	M52 x 2	38	55	46	185	2683

## METRIC FEMALE 24° CONE - S TYPE (1)

FEMMINA DIRITTA METRICA O-RING 24° DKOS  
 FEMELLE DROIT MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA CONO 24° CON O-RING - SERIE S

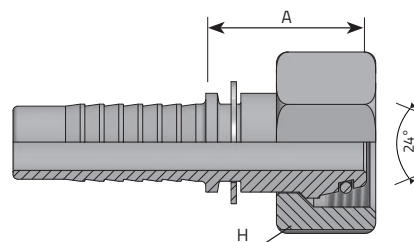
\* CRIMPED NUT  
 DADO PINZATO



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		T	D	H	A	Bar
	Inch		mm	mm	mm	mm	mm		
FE0314S6	-3	3/16"	4.8	M14 x 1.5	6	19	25.5	420	6091
FE0316S8	-3	3/16"	4.8	M16 x 1.5	8	19	25.5	420	6091
* FE0414S6	-4	1/4"	6.4	M14 x 1.5	6	17	25.5	450	6526
FE0416S8	-4	1/4"	6.4	M16 x 1.5	8	19	26	450	6526
FE0418S10	-4	1/4"	6.4	M18 x 1.5	10	22	26	450	6526
FE0420S12	-4	1/4"	6.4	M20 x 1.5	12	24	26	450	6526
FE0518S10	-5	5/16"	7.9	M18 x 1.5	10	22	26.5	350	5076
FE0520S12	-5	5/16"	7.9	M20 x 1.5	12	24	26	350	5076
* FE0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	26.5	450	6526
FE0620S12	-6	3/8"	9.5	M20 x 1.5	12	24	26.5	450	6526
FE0622S14	-6	3/8"	9.5	M22 x 1.5	14	27	27	450	6526
FE0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	27.5	420	6091
FE0824S16	-8	1/2"	12.8	M24 x 1.5	16	30	32	420	6091
FE1030S20	-10	5/8"	16	M30 x 2	20	36	37	350	5076
FE1230S20	-12	3/4"	9.5	M30 x 2	20	36	37.5	350	5076

## METRIC FEMALE 24° CONE - S TYPE (2)

FEMMINA DIRITTA METRICA O-RING 24° DKOS  
 FEMELLE DROIT MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA CONO 24° CON O-RING - SERIE S

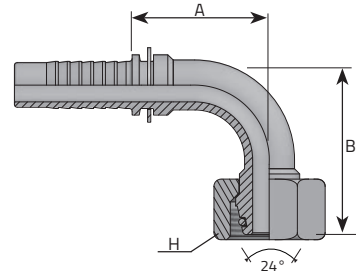


Code	Tube		Thread	Dimensions			Pressure		
	D.N.	Hose		Diam	T	D	H	A	Bar
	Inch		mm	mm	mm	mm	mm		
FE1236S25	-12	3/4"	19	M36 x 2	25	46	38.5	350	5076
FE1636S25	-16	1"	25.4	M36 x 2	25	46	39.5	280	4061
FE1642S30	-16	1"	25.4	M42 x 2	30	50	40.5	280	4061
FE2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	41.5	210	3046
FE2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	47	210	3046
FE2452S38	-24	1.1/2"	38.1	M52 x 2	38	60	47	185	2683

## METRIC FEMALE 24° CONE - 90° ELBOW - S TYPE (1)

FEMMINA 90° METRICA O-RING 24° DKOS  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S

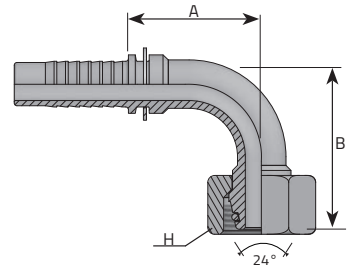
\* CRIMPED NUT  
 DADO PINZATO



Code	Tube				Thread	Dimensions				Pressure	
	D.N.	Hose	Diam	T		D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
F90E0314S6	-3	3/16"	4.8	M14 x 1.5	6	19	31.5	29.5	420	6091	
F90E0316S8	-3	3/16"	4.8	M16 x 1.5	8	19	31.5	29.5	420	6091	
* F90E0414S6	-4	1/4"	6.4	M14 x 1.5	6	17	31.5	29.5	450	6526	
F90E0416S8	-4	1/4"	6.4	M16 x 1.5	8	19	31.5	29.5	450	6526	
F90E0418S10	-4	1/4"	6.4	M18 x 1.5	10	22	32.5	29	450	6526	
F90E0420S12	-4	1/4"	6.4	M20 x 1.5	12	24	30.5	27	450	6526	
F90E0518S10	-5	5/16"	7.9	M18 x 1.5	10	22	32.5	31	350	5076	
F90E0520S12	-5	5/16"	7.9	M20 x 1.5	12	24	37	29	350	5076	
* F90E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	38	33	450	6526	
F90E0620S12	-6	3/8"	9.5	M20 x 1.5	12	24	37.5	35.5	450	6526	
F90E0622S14	-6	3/8"	9.5	M22 x 1.5	14	27	42	34	450	6526	
F90E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	44	39.5	420	6091	
F90E0824S16	-8	1/2"	12.8	M24 x 1.5	16	30	45	39.5	420	6091	
F90E1030S20	-10	5/8"	16	M30 x 2	20	36	56	48.5	350	5076	
F90E1230S20	-12	3/4"	19	M30 x 2	20	36	59	56.5	350	5076	

## METRIC FEMALE 24° CONE - 90° ELBOW - S TYPE (2)

FEMMINA 90° METRICA O-RING 24° DKOS  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S



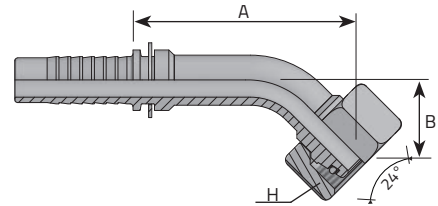
Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		T	D	H	B	A	Bar
	Inch		mm	mm	mm	mm	mm	mm		
F90E1236S25	-12	3/4"	19	M36 x 2	25	46	59	56.5	350	5076
F90E1636S25	-16	1"	25.4	M36 x 2	25	46	75	73	280	4061
F90E1642S30	-16	1"	25.4	M42 x 2	30	50	75	73	280	4061
F90E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	86	92	210	3046
F90E2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	86	92	210	3046
F90E2452S38	-24	1.1/2"	38.1	M52 x 2	38	60	94	99	185	2683



## METRIC FEMALE 24° CONE - 45° ELBOW - S TYPE (1)

FEMMINA 45° METRICA O-RING 24° DKOS  
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE S

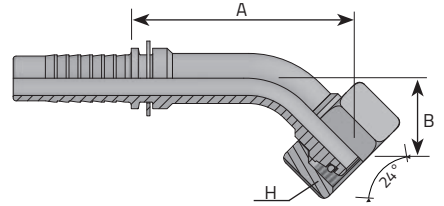
\* CRIMPED NUT  
 DADO PINZATO



Code	Tube				Thread	Dimensions				Pressure	
	D.N.	Hose	Diam	T		D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
F45E0314S6	-3	3/16"	4.8	M14 x 1.5	6	19	15	37	420	6091	
F45E0316S8	-3	3/16"	4.8	M16 x 1.5	8	19	15	37	420	6091	
* F45E0414S6	-4	1/4"	6.4	M14 x 1.5	6	17	17	40	450	6526	
F45E0416S8	-4	1/4"	6.4	M16 x 1.5	8	19	17	50	450	6526	
F45E0418S10	-4	1/4"	6.4	M18 x 1.5	10	22	17	48.5	450	6526	
F45E0420S12	-4	1/4"	6.4	M20 x 1.5	12	24	17	48.5	450	6526	
F45E0518S10	-5	5/16"	7.9	M18 x 1.5	10	22	17	52.5	350	5076	
F45E0520S12	-5	5/16"	7.9	M20 x 1.5	12	24	20	50	350	5076	
* F45E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	20	55	450	6526	
F45E0620S12	-6	3/8"	9.5	M20 x 1.5	12	24	17	57	450	6526	
F45E0622S14	-6	3/8"	9.5	M22 x 1.5	14	27	19	59	450	6526	
F45E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	22	65	420	6091	
F45E0824S16	-8	1/2"	12.8	M24 x 1.5	16	30	22	66.5	420	6091	
F45E1030S20	-10	5/8"	16	M30 x 2	20	36	26	64.5	350	5076	
F45E1230S20	-12	3/4"	19	M30 x 2	20	36	27	64	350	5076	

## METRIC FEMALE 24° CONE 45° - S TYPE (2)

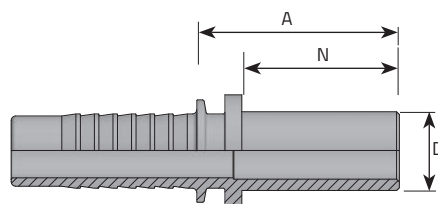
FEMMINA 45° METRICA O-RING 24° DKOS  
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE S



Code	Tube			Thread	Dimensions				Pressure		
	D.N.	Hose	Diam		T	D	H	B	A	Bar	Psi
	Inch		mm		mm	mm	mm	mm	mm		
F45E1236S25	-12	3/4"	19	M36 x 2	25	46	28	70	350	5076	
F45E1636S25	-16	1"	25.4	M36 x 2	25	46	38	88.5	280	4061	
F45E1642S30	-16	1"	25.4	M42 x 2	30	50	38	89	280	4061	
F45E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	35	104.5	210	3046	
F45E2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	35	104.5	210	3046	
F45E2452S38	-24	1.1/2"	38.1	M52 x 2	38	60	45	119	185	2683	

## STANDPIPE (1)

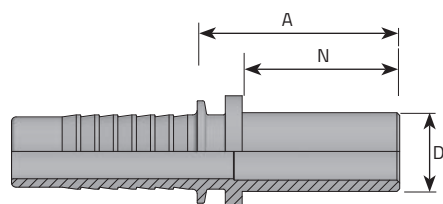
ERMETO DIRITTO  
EMBOUT LISSE DROIT  
ROHRSTUTZEN BEL - BES  
ESPIGA LISA RECTA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	N	A	Bar	Psi
	Inch		mm		mm	mm	mm		
PDL0306	-3	3/16"	4.8		6	24	30	415	6019
PDL0308	-3	3/16"	4.8		8	24	30	415	6019
PDL0406	-4	1/4"	6.4		6	22.5	30.5	320	4641
PDL0408	-4	1/4"	6.4		8	23	30.5	450	6526
PDL0410	-4	1/4"	6.4		10	25	32	450	6526
PDL0412	-4	1/4"	6.4		12	25	32	450	6526
PDL0508	-5	5/16"	7.9		8	23	30	-	
PDL0510	-5	5/16"	7.9		10	25	32	350	5076
PDL0512	-5	5/16"	7.9		12	25	32	350	5076
PDL0610	-6	3/8"	9.5		10	25.5	33	330	4786
PDL0612	-6	3/8"	9.5		12	25	32.5	445	6454
PDL0614	-6	3/8"	9.5		14	28	35.5	445	6454
PDL0615	-6	3/8"	9.5		15	25.5	33	250	3626
PDL0812	-8	1/2"	12.8		12	25	33	-	
PDL0814	-8	1/2"	12.8		14	28	36	275	3988
PDL0815	-8	1/2"	12.8		15	25.5	33.5	250	3626
PDL0816	-8	1/2"	12.8		16	31	39	415	6019
PDL0818	-8	1/2"	12.8		18	27	35.5	160	2320

## STANDPIPE (2)

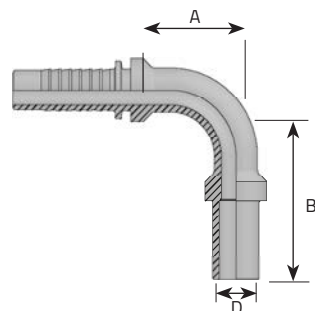
ERMETO DIRITTO  
 EMBOUT LISSE DROIT  
 ROHRSTUTZEN BEL - BES  
 ESPIGA LISA RECTA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	N	A	Bar	Psi
	Inch		mm		mm	mm	mm		
PDL1018	-10	5/8"	16		18	28	36	160	2320
PDL1020	-10	5/8"	16		20	35	43.5	350	5076
PDL1022	-10	5/8"	16		22	29	38	160	2320
PDL1218	-12	3/4"	19		18	26	34.5	160	2320
PDL1220	-12	3/4"	19		20	35	44	215	3118
PDL1222	-12	3/4"	19		22	29.5	38	160	2320
PDL1225	-12	3/4"	19		25	41	51	350	5076
PDL1625	-16	1"	25.4		25	39.5	50	165	2393
PDL1628	-16	1"	25.4		28	30.5	41	100	1450
PDL1630	-16	1"	25.4		30	43.5	54	250	3626
PDL2030	-20	1.1/4"	31.8		30	43	54.5	210	3046
PDL2035	-20	1.1/4"	31.8		35	35.5	46.5	100	1450
PDL2038	-20	1.1/4"	31.8		38	48	60	210	3046
PDL2438	-24	1.1/2"	38.1		38	48	60	170	2466
PDL2442	-24	1.1/2"	38.1		42	36	47	100	1450

## STANDPIPE 90° ELBOW

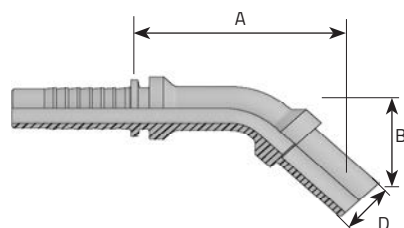
ERMETO 90°  
EMBOU LISSE 90°  
BEL / S 90°  
CODO 90°



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	A	B	Bar	Psi
	Inch		mm	mm	mm	mm			
P90L0306	-3	3/16"	4.8		6	25	41.5	415	6019
P90L0406	-4	1/4"	6.4		6	25	43	415	6019
P90L0408	-4	1/4"	6.4		8	24	43	450	6526
P90L0510	-5	5/16"	7.9		10	32	51	350	5076
P90L0612	-6	3/8"	9.5		12	33	53	445	6454
P90L0815	-8	1/2"	12.8		15	39	60.5	250	3626
P90L1018	-10	5/8"	16		18	49	69	160	2320
P90L1222	-12	3/4"	19		22	58	76	160	2320
P90L1628	-16	1"	25.4		28	74	88	100	1450

## STANDPIPE 45° ELBOW

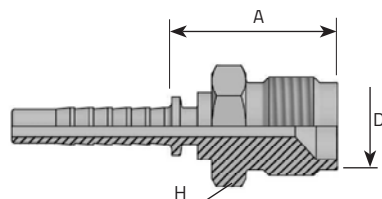
ERMETO 45°  
EMBOU LISSE 45°  
BEL / S 45°  
CODO 45°



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	A	B	Bar	Psi
	Inch		mm	mm	mm	mm			
P45L0306	-3	3/16"	4.8		6	-	-	415	6019
P45L0406	-3	1/4"	6.4		6	-	-	415	6019
P45L0408	-4	1/4"	6.4		8	-	-	450	6526
P45L0510	-5	5/16"	7.9		10	-	-	350	5076
P45L0612	-6	3/8"	9.5		12	-	-	445	6454
P45L0815	-8	1/2"	12.8		15	-	-	250	3626
P45L1018	-10	5/8"	16		18	-	-	160	2320
P45L1222	-12	3/4"	19		22	-	-	160	2320
P45L1628	-16	1"	25.4		28	-	-	100	1450

## METRIC MALE FOR AGRICULTURE VALVES

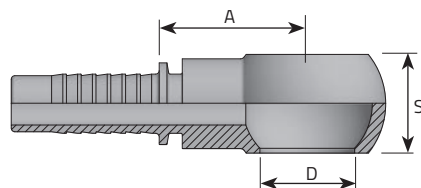
MASCHIO METRICO PER VALVOLE AGRICOLE  
 MÉTRIQUE POUR VANNES AGRICOLES  
 METRISCHER STECKER FÜR LANDWIRTSCHAFTLICHE VENTILE  
 MACHO MÉTRICO PARA VALVULAS DE AGRICULTURA



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	D	H	A	Bar	Psi
	Inch		mm	mm	mm	mm	mm		
MAV0418	-4	1/4"	6.4	M18 x 1.5	12	19	29	400	5801
MAV0518	-5	5/16"	7.9	M18 x 1.5	12	19	29	350	5076
MAV0618	-6	3/8"	9.5	M18 x 1.5	12	19	29	350	5076

## BSP BANJO (1)

OCCHIO BSP  
 BANJO VIS BSPP  
 RINGNIPPEL FÜR HOHLSCHRAUBE BSP/RNR  
 BANJO BSPP

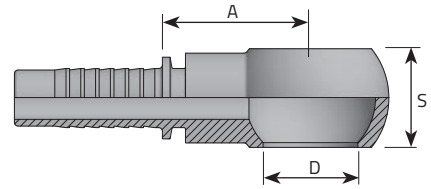


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	S	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm		
OG0302	-3	3/16"	4.8	1/8"	10	10	19.5		
OG0304	-3	3/16"	4.8	1/4"	13.2	14	22.5		
OG0402	-4	1/4"	6.4	1/8"	10	10	24		
OG0404	-4	1/4"	6.4	1/4"	13.2	14	23		
OG0406	-4	1/4"	6.4	3/8"	16.7	17	26.5		
OG0408	-4	1/4"	6.4	1/2"	21	22	32.5		
OG0504	-5	5/16"	7.9	1/4"	13.2	14	24		
OG0506	-5	5/16"	7.9	3/8"	16.7	17	26.5		
OG0508	-5	5/16"	7.9	1/2"	21	22	27.5		
OG0604	-6	3/8"	9.5	1/4"	13.2	14	31.5		
OG0606	-6	3/8"	9.5	3/8"	16.7	17	26.5		
OG0608	-6	3/8"	9.5	1/2"	21	22	27.5		
OG0806	-8	1/2"	12.8	3/8"	16.7	17	31		
OG0808	-8	1/2"	12.8	1/2"	21	22	33		
OG0810	-8	1/2"	12.8	5/8"	23.3	24	32.5		
OG0812	-8	1/2"	12.8	3/4"	26.5	30	34.5		



## BSP BANJO (2)

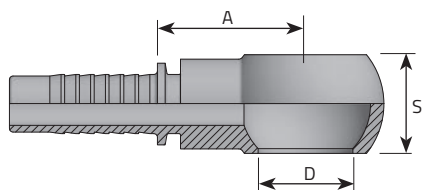
OCCHIO BSP  
 BANJO VIS BSPP  
 RINGNIPPEL FÜR HOHLSCHRAUBE BSP/RNR  
 BANJO BSPP



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	S	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm		
OG1008	-10	5/8"	16	1/2"	21	22	31.5		
OG1010	-10	5/8"	16	5/8"	23.3	24	32.5		
OG1012	-10	5/8"	16	3/4"	26.5	30	34.5		
OG1212	-12	3/4"	19	3/4"	26.5	30	35		
OG1216	-12	3/4"	19	1"	33.4	38	48		
OG1612	-16	1"	25.4	3/4"	-	-	-		
OG1616	-16	1"	25.4	1"	33.4	38	43		
OG2020	-20	1.1/4"	31.8	1.1/4"	42.1	47	57.7		

## METRIC BANJO (1)

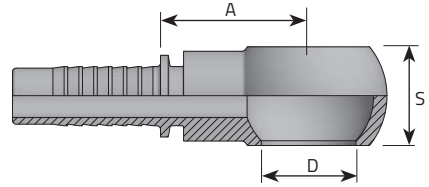
OCCHIO METRICO  
 BANJO VIS MÉTRIQUE  
 RINGNIPPEL FÜR HOHLSCHRAUBE METRISCH/RNM  
 BANJO MÉTRICO



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	S	A	Bar	Psi
	Inch		mm		mm	mm	mm		
OM0310	-3	3/16"	4.8	M10 x 1	10.1	10	19.5		
OM0312	-3	3/16"	4.8	M12 x 1.5	12.1	12	21		
OM0314	-3	3/16"	4.8	M14 x 1.5	14.1	14	23		
OM0410	-4	1/4"	6.4	M10 x 1	10.1	10	24		
OM0412	-4	1/4"	6.4	M12 x 1.5	12.1	11	23		
OM0414	-4	1/4"	6.4	M14 x 1.5	14.1	14	23		
OM0416	-4	1/4"	6.4	M16 x 1.5	16.1	17	25		
OM0418	-4	1/4"	6.4	M18 x 1.5	18.1	20	29		
OM0512	-5	5/16"	7.9	M12 x 1.5	12.1	12	23		
OM0514	-5	5/16"	7.9	M14 x 1.5	14.1	14	24.5		
OM0516	-5	5/16"	7.9	M16 x 1.5	16.1	17	27		
OM0518	-5	5/16"	7.9	M18 x 1.5	18.1	20	29		
OM0520	-5	5/16"	7.9	M20 x 1.5	20.1	22	28		
OM0522	-5	5/16"	7.9	M22 x 1.5	22.1	22	28		
OM0614	-6	3/8"	9.5	M14 x 1.5	14.1	14	27		
OM0616	-6	3/8"	9.5	M16 x 1.5	16.1	17	27		

## METRIC BANJO (2)

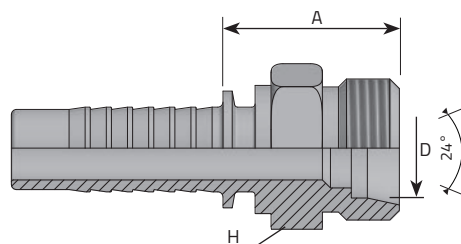
OCCHIO METRICO  
 BANJO VIS MÉTRIQUE  
 RINGNIPPEL FÜR HOHLSCHRAUBE METRISCH/RNM  
 BANJO MÉTRICO



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	S	A	Bar	Psi
	Inch	mm	mm		mm	mm	mm		
OM0618	-6	3/8"	9.5	M18 x 1.5	18.1	20	28		
OM0620	-6	3/8"	9.5	M20 x 1.5	20.1	22	28.5		
OM0622	-6	3/8"	9.5	M22 x 1.5	22.1	22	28.5		
OM0818	-8	1/2"	12.8	M18 x 1.5	18.1	20	30		
OM0820	-8	1/2"	12.8	M20 x 1.5	20.1	22	34		
OM0822	-8	1/2"	12.8	M22 x 1.5	22.1	22	34		
OM0826	-8	1/2"	12.8	M26 x 1.5	26.5	30	34.5		
OM1022	-10	5/8"	16	M22 x 1.5	22.1	22	34		
OM1026	-10	5/8"	16	M26 x 1.5	26.5	30	34.5		
OM1226	-12	3/4"	19	M26 x 1.5	26.5	30	35		
OM1230	-12	3/4"	19	M30 x 1.5	30.1	36	41.5		
OM1630	-16	1"	25.4	M30 x 1.5	30.1	36	41.5		

## METRIC MALE 24° CONE - FRENCH TYPE

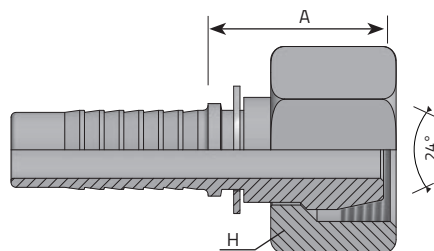
MASCHIO METRICO SV 24°SERIE FRANCESE  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE FRANÇAIS  
 AGF 24° INNENKONUS (FRANZÖSISCHE SERIE)  
 MACHO MÉTRICO CONO 24° - SERIE FRANCESCA



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	D	H	A	Bar	Psi	
	Inch		mm	mm	mm	mm	mm			
ME0413F	-4	1/4"	6.4	M20x1.5	13	22	26.7			
ME0513F	-5	5/16"	7.9	M20x1.5	13	22	26.7			
ME0613F	-6	3/8"	9.5	M20x1.5	13	22	26.7			
ME0617F	-6	3/8"	9.5	M24x1.5	17	27	30.2			
ME0817F	-8	1/2"	12.8	M24x1.5	17	27	30.7			
ME0821F	-8	1/2"	12.8	M30x1.5	21	32	31.2			
ME1021F	-10	5/8"	16	M30x1.5	21	32	31.2			
ME1221F	-12	3/4"	19	M30x1.5	21	32	31.7			
ME1227F	-12	3/4"	19	M36x1.5	27	38	31.7			
ME1633F	-16	1"	25.4	M45x1.5	33	46	37.2			
ME2033F	-20	1.1/4"	31.8	M45x1.5	33	46	38.2			

## METRIC FEMALE 24° CONE - FRENCH TYPE

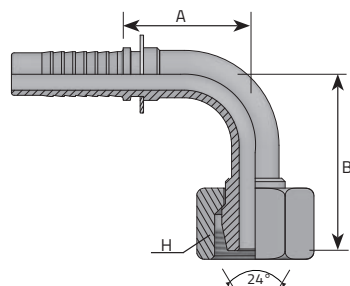
FEMMINA METRICA SV 24°SERIE FRANCESE  
 FEMÂLE MÉTRIQUE CÔNE 24° - SÉRIE FRANÇAIS  
 DKF 24° INNENKONUS (FRANZÖSISCHE SERIE)  
 HEMBRA MÉTRICO CONO 24° - SERIE FRANCESA



Code	Tube		Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	H	A	Bar	Psi
		Inch	mm	mm	mm	mm		
FE0413F	-4	1/4"	6.4	M20 x 1.5	24	23.5		
FE0513F	-5	5/16"	7.9	M20 x 1.5	24	23.5		
FE0613F	-6	3/8"	9.5	M20 x 1.5	24	23.5		
FE0617F	-6	3/8"	9.5	M24 x 1.5	30	27		
FE0817F	-8	1/2"	12.8	M24 x 1.5	30	27.5		
FE0821F	-8	1/2"	12.8	M30 x 1.5	36	31		
FE1021F	-10	5/8"	16	M30 x 1.5	36	31		
FE1221F	-12	3/4"	19	M30 x 1.5	36	31.5		
FE1227F	-12	3/4"	19	M36 x 1.5	41	34		
FE1633F	-16	1"	25.4	M45 x 1.5	50	34		
FE2033F	-20	1.1/4"	31.8	M45 x 1.5	50	34		

## METRIC FEMALE 24° CONE - 90° ELBOW - FRENCH TYPE

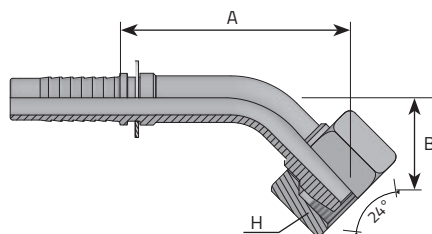
FEMMINA A 90° METRICA SV 24° SERIE FRANCESE  
 FEMÂLE 90° MÉTRIQUE CÔNE 24° - SÉRIE FRANÇAIS  
 DKF 90° BOGEN (FRANZÖSISCHE SERIE)  
 HEMBRA GRATORIA MÉTRICA A 90° CONO 24° - SERIE FRANCESA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		T	H	B	A	Bar
	Inch		mm	mm	mm	mm	mm		
F90E0413F	-4	1/4"	6.4	M20x1.5	24	32.5	27		
F90E0513F	-5	5/16"	7.9	M20x1.5	24	39	29		
F90E0613F	-6	3/8"	9.5	M20x1.5	24	39.5	35.5		
F90E0617F	-6	3/8"	9.5	M24x1.5	30	48	36		
F90E0817F	-8	1/2"	12.8	M24x1.5	30	48	39.5		
F90E0821F	-8	1/2"	12.8	M30x1.5	36	61	45.5		
F90E1021F	-10	5/8"	16	M30x1.5	36	61	48.5		
F90E1221F	-12	3/4"	19	M30x1.5	36	64	56.5		
F90E1227F	-12	3/4"	19	M36x1.5	41	64	56.5		
F90E1633F	-16	1"	25.4	M45x1.5	50	91	86		
F90E2033F	-20	1.1/4"	31.8	M45x1.5	50	91	92		

## METRIC FEMALE 24° CONE - 45° ELBOW - FRENCH TYPE

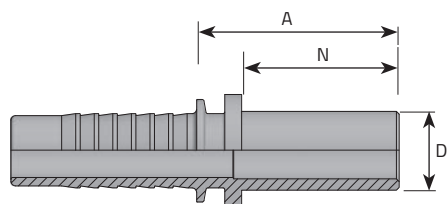
FEMMINA 45° METRICA SV 24° SERIE FRANCESE  
 FEMELLE 45° MÉTRIQUE CÔNE 24° - SÉRIE FRANÇAIS  
 DKF 45° BOGEN (FRANZÖSISCHE SERIE)  
 HEMBRA GIRATORIA MÉTRICA A 45° CONO 24° - SERIE FRANCESCA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		T	H	B	A	Bar
		Inch	mm	mm	mm	mm	mm		
F45E0413F	-4	1/4"	6.4	M20 x 1.5	24	18.5	50		
F45E0513F	-5	5/16"	7.9	M20 x 1.5	24	21	52		
F45E0613F	-6	3/8"	9.5	M20 x 1.5	24	18.5	58.5		
F45E0617F	-6	3/8"	9.5	M24 x 1.5	30	24	65.5		
F45E0817F	-8	1/2"	12.8	M24 x 1.5	30	24	68.5		
F45E0821F	-8	1/2"	12.8	M30 x 1.5	36	29	68		
F45E1021F	-10	5/8"	16	M30 x 1.5	36	29	68		
F45E1221F	-12	3/4"	19	M30 x 1.5	36	30	69		
F45E1227F	-12	3/4"	19	M36 x 1.5	41	31	73		
F45E1633F	-16	1"	25.4	M45 x 1.5	50	36	101		
F45E2033F	-20	1.1/4"	31.8	M45 x 1.5	50	38	107		

## STANDPIPE FRENCH TYPE

ERMETO DIRITTO FRANCESE  
 EMBOUT LISSE DROIT - SÉRIE FRANÇAIS  
 FRANZÖSISCHER ROHRSTUTZEN  
 ESPIGA LISA RECTA METRICA - SERIE FRANCESA

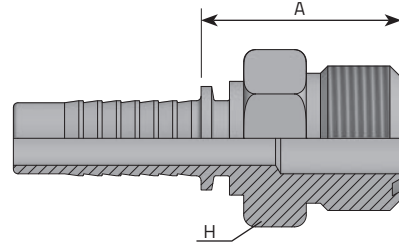


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	N	A	Bar	Psi
		Inch	mm		mm	mm	mm		
PDL0413F	-4	1/4"	6.4		13	22	29.5		
PDL0513F	-5	5/16"	7.9		13	22	29.5		
PDL0613F	-6	3/8"	9.5		13	22	29.5		
PDL0617F	-6	3/8"	9.5		17	24	31.5		
PDL0817F	-8	1/2"	12.8		17	24	32.5		
PDL0821F	-8	1/2"	12.8		21	26	34.5		
PDL1021F	-10	5/8"	16		21	26	34.5		
PDL1221F	-12	3/4"	19		21	26	35.3		
PDL1227F	-12	3/4"	19		26	25	34.3		
PDL1633F	-16	1"	25.4		33	27	37.3		
PDL2033F	-20	1.1/4"	31.8		33	27	38		



## ORFS MALE

MASCHIO ORFS  
MÂLE ORFS  
AGF ORFS STIRNDICHTEND  
MACHO ORFS

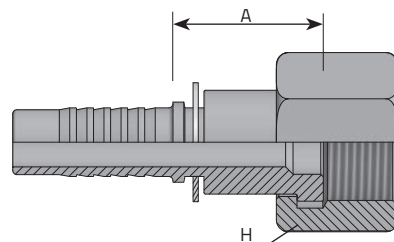


Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
MORFS0406	-4	1/4"	6.4	9/16"	18	17	24	450	6526
MORFS0409	-4	1/4"	6.4	11/16"	16	19	27.5	450	6526
MORFS0509	-5	5/16"	7.9	11/16"	16	19	27.5	350	5076
MORFS0609	-6	3/8"	9.5	11/16"	16	19	27.5	445	6454
MORFS0611	-6	3/8"	9.5	13/16"	16	22	30.5	445	6454
MORFS0613	-6	3/8"	9.5	1"	14	27	33.5	445	6454
MORFS0811	-8	1/2"	12.8	13/16"	16	27	34	415	6019
MORFS0813	-8	1/2"	12.8	1"	14	27	31.5	415	6019
MORFS0814	-8	1/2"	12.8	1.3/16"	16	32	36	415	6019
MORFS1013	-10	5/8"	16	1"	14	27	34	350	5076
MORFS1014	-10	5/8"	16	1.3/16"	12	32	37	350	5076
MORFS1214	-12	3/4"	19	1.3/16"	12	32	38	350	5076
MORFS1215	-12	3/4"	19	1.7/16"	12	41	38.5	350	5076
MORFS1615	-16	1"	25.4	1.7/16"	12	41	39.5	280	4061
MORFS2021	-20	1.1/4"	31.8	1.11/16"	12	46	40	210	3046
MORFS2432	-24	1.1/2"	38.1	2"	12	55	43	185	2683

## ORFS FEMALE

FEMMINA ORFS  
FEMELLE DROIT ORFS  
ORFS – UNF GEWINDE  
HEMBRA RECTA ORFS

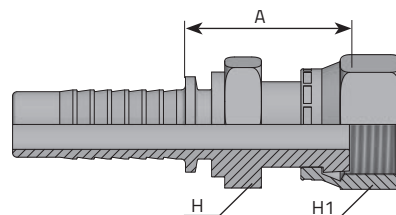
\* CRIMPED NUT  
DADO PINZATO



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch	mm	Inch	mm	mm	mm			
FORFS0406	-4	1/4"	6.4	9/16"	18	17	20.5	450	6526
FORFS0409	-4	1/4"	6.4	11/16"	16	22	23	450	6526
FORFS0411	-4	1/4"	6.4	13/16"	16	24	26	450	6526
FORFS0509	-5	5/16"	7.9	11/16"	16	22	23	350	5076
* FORFS0606	-6	3/8"	9.5	9/16"	18	19	25	445	6454
FORFS0609	-6	3/8"	9.5	11/16"	16	22	23.5	445	6454
FORFS0611	-6	3/8"	9.5	13/16"	16	24	26	445	6454
* FORFS0809	-8	1/2"	12.8	11/16"	16	22	29	415	6019
FORFS0811	-8	1/2"	12.8	13/16"	16	24	26.5	415	6019
FORFS0813	-8	1/2"	12.8	1"	14	30	30	415	6019
FORFS0814	-8	1/2"	12.8	1.3/16"	12	36	32.5	415	6019
FORFS1013	-10	5/8"	16	1"	14	30	30	350	5076
FORFS1014	-10	5/8"	16	1.3/16"	12	36	32	350	5076
FORFS1214	-12	3/4"	19	1.3/16"	12	36	33	350	5076
FORFS1215	-12	3/4"	19	1.7/16"	12	41	34	350	5076
* FORFS1614	-16	1"	25.4	1.3/16"	12	36	38.5	280	4061
FORFS1615	-16	1"	25.4	1.7/16"	12	41	35	280	4061
FORFS1621	-16	1"	25.4	1.11/16"	12	50	35	210	3046
FORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	35.5	210	3046
FORFS2432	-24	1.1/2"	38.1	2"	12	60	37	185	2683

## ORFS FEMALE (DOUBLE HEXAGON)

FEMMINA DIRITTA ORFS DOPPIO ESAGONO  
 FEMELLE DROIT ORFS  
 ORFS – UNF GEWINDE  
 HEMBRA GIRATORIA RECTA ORFS - DOBLE HEXAGONO

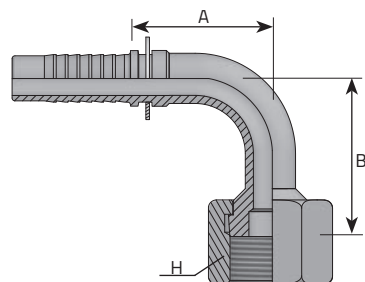


Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	H1	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
FORFS0406GIR	-4	1/4"	6.4	9/16"	18	19	19	30	450	6526
FORFS0409GIR	-4	1/4"	6.4	11/16"	16	17	22	31.5	450	6526
FORFS0509GIR	-5	5/16"	7.9	11/16"	16	17	22	32	350	5076
FORFS0606GIR	-6	3/8"	9.5	9/16"	18	17	17	30.5	445	6453
FORFS0609GIR	-6	3/8"	9.5	11/16"	16	22	22	34	445	6453
FORFS0611GIR	-6	3/8"	9.5	13/16"	16	24	24	40.5	445	6453
FORFS0809GIR	-8	1/2"	12.8	11/16"	16	22	22	31.5	415	6018
FORFS0811GIR	-8	1/2"	12.8	13/16"	16	24	24	41	415	6018
FORFS0813GIR	-8	1/2"	12.8	1"	14	24	30	39	415	6018
FORFS0814GIR	-8	1/2"	12.8	1.3/16"	16	30	36	44	315	4568
FORFS1013GIR	-10	5/8"	16	1"	14	24	30	39	350	5076
FORFS1014GIR	-10	5/8"	16	1.3/16"	16	30	36	44	350	5076
FORFS1213GIR	-12	3/4"	19	1"	14	27	30	42	350	5076
FORFS1214GIR	-12	3/4"	19	1.3/16"	16	30	36	44.6	350	5076
FORFS1215GIR	-12	3/4"	19	1.7/16"	12	36	41	51.5	350	5076
FORFS1614GIR	-16	1"	25.4	1.3/16"	16	36	36	45.5	280	4061
FORFS1615GIR	-16	1"	25.4	1.7/16"	12	36	41	52.5	280	4061
FORFS1621GIR	-16	1"	25.4	1.11/16"	12	41	50	55	210	3045
FORFS2021GIR	-20	1.1/4"	31.8	1.11/16"	12	41	50	56	210	3045
FORFS2432GIR	-24	1.1/2"	38.1	2"	12	50	60	61.2	185	2683

## ORFS FEMALE SWIVEL 90° ELBOW

FEMMINA 90° ORFS  
 FEMELLE 90° ORFS  
 DK 90° BOGEN ORFS UNF STIRNDICHTEND  
 HEMBRA GIRATORIA A 90° ORFS

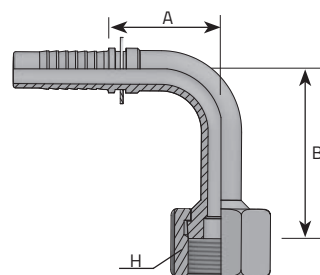
\* CRIMPED NUT  
 DADO PINZATO



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch			mm	mm	mm		
F900RFS0406	-4	1/4"	6.4	9/16"	18	17	29.5	28	450	6526
F900RFS0409	-4	1/4"	6.4	11/16"	16	22	30	28	450	6526
F900RFS0411	-4	1/4"	6.4	13/16"	16	24	32	29.5	450	6526
F900RFS0509	-5	5/16"	7.9	11/16"	16	22	29	29	350	5076
* F900RFS0606	-6	3/8"	9.5	9/16"	18	19	44	32.5	445	6454
F900RFS0609	-6	3/8"	9.5	11/16"	16	22	29	36	445	6454
F900RFS0611	-6	3/8"	9.5	13/16"	16	24	32	34	445	6454
* F900RFS0809	-8	1/2"	12.8	11/16"	16	22	51	40.5	415	6019
F900RFS0811	-8	1/2"	12.8	13/16"	16	24	36	37.5	415	6019
F900RFS0813	-8	1/2"	12.8	1"	14	30	39	39	415	6019
F900RFS0814	-8	1/2"	12.8	1.3/16"	12	36	41	38	415	6019
F900RFS1013	-10	5/8"	16	1"	14	30	43.5	51.5	350	5076
F900RFS1014	-10	5/8"	16	1.3/16"	12	36	48	46.5	350	5076
F900RFS1214	-12	3/4"	19	1.3/16"	12	36	49	56	350	5076
F900RFS1215	-12	3/4"	19	1.7/16"	12	41	54	56.5	350	5076
* F900RFS1614	-16	1"	25.4	1.3/16"	12	36	85	70	280	4061
F900RFS1615	-16	1"	25.4	1.7/16"	12	41	59.5	74	280	4061
F900RFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	75.5	90	210	3046
F900RFS2432	-24	1.1/2"	38.1	2"	12	60	84	99	185	2683

## ORFS FEMALE SWIVEL - 90° ELBOW - LONG DROP

FEMMINA 90° ORFS LONG DROP  
 FEMELLE 90° ORFS  
 DK 90° BOGEN ORFS UNF STIRNDICHTEND  
 HEMBRA GIRATORIA A 90° ORFS

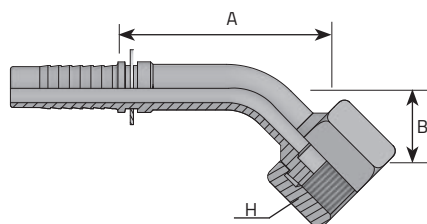


Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
F900RFS0406LD	-4	1/4"	6.4	9/16"	18	17	45	26.5	450	6526
F900RFS0609LD	-6	3/8"	9.5	11/16"	16	22	51.5	32	445	6454
F900RFS0611LD	-6	3/8"	9.5	13/16"	16	24	51	36	445	6454
F900RFS0811LD	-8	1/2"	12.8	13/16"	16	24	63	37.5	415	6019
F900RFS0813LD	-8	1/2"	12.8	1"	14	30	64	37	415	6019
F900RFS1013LD	-10	5/8"	16	1"	14	30	63	45	350	5076
F900RFS1014LD	-10	5/8"	16	1.3/16"	12	36	71	45	350	5076
F900RFS1214LD	-12	3/4"	19	1.3/16"	12	36	90	51	350	5076
F900RFS1615LD	2-16	1"	25.4	1.7/16"	12	41	108	69	280	4061

## ORFS FEMALE SWIVEL - 45° ELBOW

FEMMINA 45° ORFS  
 FEMELLE 45° ORFS  
 DK 45° BOGEN ORFS UNF STIRNDICHTEND  
 HEMBRA GIRATORIA A 45° ORFS

\* CRIMPED NUT  
 DADO PINZATO



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch	mm	mm	mm	mm			
F45ORFS0406	-4	1/4"	6.4	9/16"	18	17	15	45	450	6526
F45ORFS0409	-4	1/4"	6.4	11/16"	16	22	15.5	45.5	450	6526
F45ORFS0411	-4	1/4"	6.4	13/16"	16	24	18	49	450	6526
F45ORFS0509	-5	5/16"	7.9	11/16"	16	22	15.5	46	350	5076
* F45ORFS0606	-6	3/8"	9.5	9/16"	18	19	24	55	445	6454
F45ORFS0609	-6	3/8"	9.5	11/16"	16	22	13	51	445	6454
F45ORFS0611	-6	3/8"	9.5	13/16"	16	24	17	52	445	6454
* F45ORFS0809	-8	1/2"	12.8	11/16"	16	22	26	72	415	6019
F45ORFS0811	-8	1/2"	12.8	13/16"	16	24	18	58	415	6019
F45ORFS0813	-8	1/2"	12.8	1"	14	30	20	61	415	6019
F45ORFS0814	-8	1/2"	12.8	1.3/16"	12	36	24	62	415	6019
F45ORFS1013	-10	5/8"	16	1"	14	30	20	55	350	5076
F45ORFS1014	-10	5/8"	16	1.3/16"	12	36	21	57	350	5076
F45ORFS1214	-12	3/4"	19	1.3/16"	12	36	23	58	350	5076
F45ORFS1215	-12	3/4"	19	1.7/16"	12	41	27	62.5	350	5076
* F45ORFS1614	-16	1"	25.4	1.3/16"	12	36	43	96.5	280	4061
F45ORFS1615	-16	1"	25.4	1.7/16"	12	41	26	81	280	4061
F45ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	34	93	210	3046
F45ORFS2432	-24	1.1/2"	38.1	2"	12	60	45	112	185	2683

## FLANGE CODE 61 - 3000 PSI

FLANGIA 3000 PSI

BRIDE DROIT 3000 PSI (PIÈCE ENTIER)

FLANSCHANSCHLUSS 3000 PSI – EINTEILIG

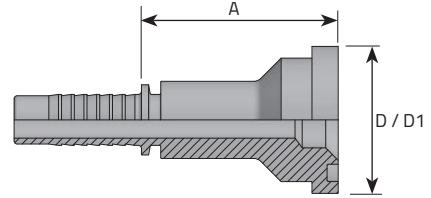
BRIDA RECTA 3000 PSI (PIEZA UNICA)

\* komatsu flange / Flangia Komatsu/ Bride komatsu /

Flange komatsu / Brida komatsu

Do Not Include O-Ring / O-Ring Non Compresso /

Sans O-Ring / Ohne O-Ring/ Sin O-Ring

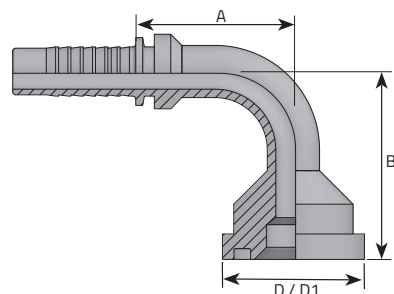


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		Inch	mm	mm		
FDL0808I	-8	1/2"	12.8		1/2"	30.2	49	350	5076
* FDL0810I	-8	1/2"	12.8		5/8"	34	48	350	5076
FDL0812I	-8	1/2"	12.8		3/4"	38.1	52	350	5076
FDL1008I	-10	5/8"	16		1/2"	30.2	49	350	5076
* FDL1010I	-10	5/8"	16		5/8"	34	49	350	5076
FDL1012I	-10	5/8"	16		3/4"	38.1	48	350	5076
FDL1208I	-12	3/4"	19		1/2"	30.2	47	350	5076
FDL1212I	-12	3/4"	19		3/4"	38.1	47	350	5076
FDL1216I	-12	3/4"	19		1"	44.5	50	350	5076
FDL1612I	-16	1"	25.4		3/4"	38.1	50	280	4061
FDL1616I	-16	1"	25.4		1"	44.5	50	280	4061
FDL1620I	-16	1"	25.4		1.1/4"	50.8	67	280	4061
FDL2016I	-20	1.1/4"	31.8		1"	44.5	57	210	3046
FDL2020I	-20	1.1/4"	31.8		1.1/4"	50.8	65	210	3046
FDL2024I	-20	1.1/4"	31.8		1.1/2"	60.3	70	210	3046
FDL2424I	-24	1.1/2"	38.1		1.1/2"	60.3	70	185	2683
FDL2432I	-24	1.1/2"	38.1		2"	71.4	72	185	2683
FDL3232I	-32	2"	50.8		2"	71.4	73	170	2466

## FLANGE CODE 61 - 3000 PSI - 90° ELBOW

FLANGIA 90° SAE J518 3000 PSI INTERA  
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

\* komatsu flange / Flangia Komatsu/ Bride komatsu /  
 Flange komatsu / Brida komatsu  
 Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



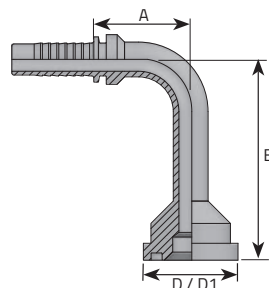
Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm	mm		Inch	mm	mm	mm		
F90L0808I	-8	1/2"	12.8	1/2"	30.2	43	39	350	5076	
* F90L0810I	-8	1/2"	12.8	5/8"	34	47	39	350	5076	
F90L0812I	-8	1/2"	12.8	3/4"	38.1	50	39	350	5076	
F90L1008I	-10	5/8"	16	1/2"	30.2	49	49	350	5076	
* F90L1010I	-10	5/8"	16	5/8"	34	52	49	350	5076	
F90L1012I	-10	5/8"	16	3/4"	38.1	55	49	350	5076	
F90L1208I	-12	3/4"	19	1/2"	30.2	52	57	350	5076	
F90L1212I	-12	3/4"	19	3/4"	38.1	58	57	350	5076	
F90L1216I	-12	3/4"	19	1"	44.5	62	57	350	5076	
F90L1612I	-16	1"	25.4	3/4"	38.1	60	77	280	4061	
F90L1616I	-16	1"	25.4	1"	44.5	64	77	280	4061	
F90L1620I	-16	1"	25.4	1.1/4"	50.8	70	77	280	4061	
F90L2016I	-20	1.1/4"	31.8	1"	44.5	82	89	210	3046	
F90L2020I	-20	1.1/4"	31.8	1.1/4"	50.8	87	89	210	3046	
F90L2024I	-20	1.1/4"	31.8	1.1/2"	60.3	88	89	210	3046	
F90L2424I	-24	1.1/2"	38.1	1.1/2"	60.3	102	101	185	2683	
F90L2432I	-24	1.1/2"	38.1	2"	71.4	118	101	185	2683	
F90L3232I	-32	2"	50.8	2"	71.4	120	144	170	2466	



## FLANGE CODE 61 - 3000 PSI - 90° ELBOW (LONG DROP)

FLANGIA A 90° INTERA SAE 3000 LONG DROP  
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

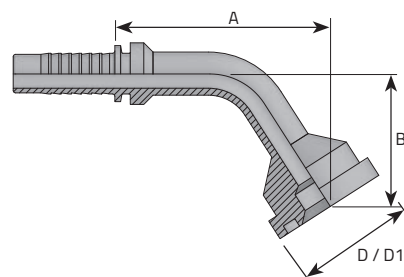


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
F90L1212ILD	-12	3/4"	19		3/4"	38.1	96.8	57	350	5076
F90L1216ILD	-16	3/4"	25.4		1"	44.5	134.5	57	350	5076
F90L1616ILD	-16	1"	25.4		1"	44.5	115.5	77	280	4061
F90L2020ILD	-20	1.1/4"	31.8		1.1/4"	50.8	114.2	89	210	3046
F90L2424ILD	-24	1.1/2"	38.1		1.1/2"	60.3	131.4	101	185	2683

## FLANGE CODE 61 - 3000 PSI - 60° ELBOW

FLANGIA 60° SAE J518 3000 PSI INTERA  
 BRIDE 60° 3000 PSI (PIÈCE ENTIER)  
 60° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 60° 3000 PSI (PIEZA UNICA)

\* komatsu flange / Flangia Komatsu/ Bride komatsu /  
 Flange komatsu / Brida komatsu  
 Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

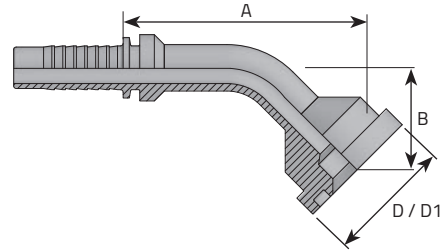


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F60L0808I	-8	1/2"	12.8	1/2"	30.2	-	63	350	5076	
* F60L0810I	-8	1/2"	12.8	5/8"	34	-	68	350	5076	
F60L0812I	-8	1/2"	12.8	3/4"	38.1	-	68	350	5076	
F60L1008I	-10	5/8"	16	1/2"	30.2	-	59	350	5076	
* F60L1010I	-10	5/8"	16	5/8"	34	-	63	350	5076	
F60L1012I	-10	5/8"	16	3/4"	38.1	-	63	350	5076	
F60L1208I	-12	3/4"	19	1/2"	30.2	-	63	350	5076	
F60L1212I	-12	3/4"	19	3/4"	38.1	-	67	350	5076	
F60L1216I	-16	3/4"	25.4	1"	44.5	-	70	350	5076	
F60L1612I	-16	1"	25.4	3/4"	38.1	-	83	280	4061	
F60L1616I	-16	1"	25.4	1"	44.5	-	86	280	4061	
F60L1620I	-16	1"	25.4	1.1/4"	50.8	-	90	280	4061	
F60L2016I	-20	1.1/4"	31.8	1"	44.5	-	96	210	3046	
F60L2020I	-20	1.1/4"	31.8	1.1/4"	50.8	-	100	210	3046	
F60L2024I	-20	1.1/4"	31.8	1.1/2"	60.3	-	101	210	3046	
F60L2424I	-24	1.1/2"	38.1	1.1/2"	60.3	-	112	185	2683	
F60L2432I	-24	1.1/2"	38.1	2"	71.4	-	123	185	2683	
F60L3232I	-32	2"	50.8	2"	71.4	-	148	170	2466	

## FLANGE CODE 61 - 3000 PSI - 45° ELBOW

FLANGIA 45° SAE J518 3000 PSI INTERA  
 BRIDE 45° 3000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 45° 3000 PSI (PIEZA UNICA)

\* komatsu flange / Flangia Komatsu/ Bride komatsu /  
 Flange komatsu / Brida komatsu  
 Do Not Include O-Ring / O-Ring Non Compreso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

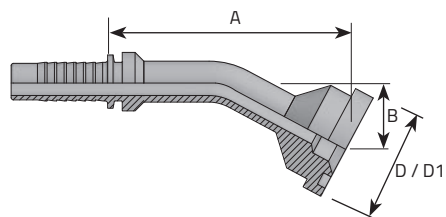


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F45L0808I	-8	1/2"	12.8		1/2"	30.2	23	63	350	5076
* F45L0810I	-8	1/2"	12.8		5/8"	34	25	68	350	5076
F45L0812I	-8	1/2"	12.8		3/4"	38.1	28	68	350	5076
F45L1008I	-10	5/8"	16		1/2"	30.2	26	59	350	5076
* F45L1010I	-10	5/8"	16		5/8"	34	30	63	350	5076
F45L1012I	-10	5/8"	16		3/4"	38.1	30	63	350	5076
F45L1208I	-12	3/4"	19		1/2"	30.2	28	63	350	5076
F45L1212I	-12	3/4"	19		3/4"	38.1	32	67	350	5076
F45L1216I	-16	3/4"	25.4		1"	44.5	35	70	350	5076
F45L1612I	-16	1"	25.4		3/4"	38.1	35x	83	280	4061
F45L1616I	-16	1"	25.4		1"	44.5	32	86	280	4061
F45L1620I	-16	1"	25.4		1.1/4"	50.8	36	90	280	4061
F45L2016I	-20	1.1/4"	31.8		1"	44.5	36	96	210	3046
F45L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	43	100	210	3046
F45L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	44	101	210	3046
F45L2424I	-24	1.1/2"	38.1		1.1/2"	60.3	41	112	185	2683
F45L2432I	-24	1.1/2"	38.1		2"	71.4	52	123	185	2683
F45L3232I	-32	2"	50.8		2"	71.4	59	148	170	2466

## FLANGE CODE 61 - 3000 PSI - 30° ELBOW

FLANGIA 30° SAE J518 3000 PSI INTERA  
 BRIDE 30° 3000 PSI (PIÈCE ENTIER)  
 30° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA 30° A 3000 PSI (PIEZA UNICA)

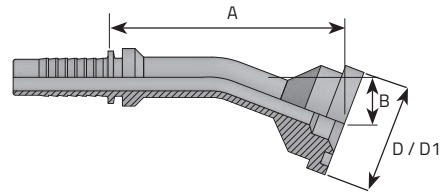
\* komatsu flange / Flangia Komatsu/ Bride komatsu /  
 Flange komatsu / Brida komatsu  
 Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm	mm		Inch	mm	mm	mm		
F30L0808I	-8	1/2"	12.8		1/2"	30.2	-	63	350	5076
* F30L0810I	-8	1/2"	12.8		5/8"	34	-	68	350	5076
F30L0812I	-8	1/2"	12.8		3/4"	38.1	-	68	350	5076
F30L1008I	-10	5/8"	16		1/2"	30.2	-	59	350	5076
* F30L1010I	-10	5/8"	16		5/8"	34	-	63	350	5076
F30L1012I	-10	5/8"	16		3/4"	38.1	-	63	350	5076
F30L1208I	-12	3/4"	19		1/2"	30.2	-	63	350	5076
F30L1212I	-12	3/4"	19		3/4"	38.1	-	67	350	5076
F30L1216I	-16	3/4"	25.4		1"	44.5	-	70	350	5076
F30L1612I	-16	1"	25.4		3/4"	38.1	-	83	280	4061
F30L1616I	-16	1"	25.4		1"	44.5	-	86	280	4061
F30L1620I	-16	1"	25.4		1.1/4"	50.8	-	90	280	4061
F30L2016I	-20	1.1/4"	31.8		1"	44.5	-	96	210	3046
F30L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	-	100	210	3046
F30L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	-	101	210	3046
F30L2424I	-24	1.1/2"	38.1		1.1/2"	60.3	-	112	185	2683
F30L2432I	-24	1.1/2"	38.1		2"	71.4	-	123	185	2683
F30L3232I	-32	2"	50.8		2"	71.4	-	148	170	2466

## FLANGE CODE 61- 3000 PSI - 22.5° ELBOW

FLANGIA 22.5° SAE J518 3000 PSI INTERA  
 BRIDE 22.5° 3000 PSI (PIÈCE ENTIER)  
 22.5° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 22.5° 3000 PSI (PIEZA UNICA)



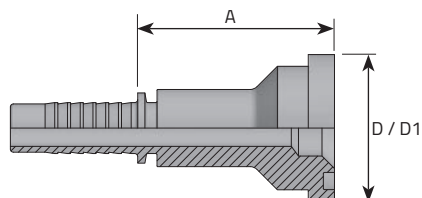
\* komatsu flange / Flangia Komatsu/ Bride komatsu /  
 Flange komatsu / Brida komatsu  
 Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F22.5L0808I	-8	1/2"	12.8		1/2"	30.2	-	63	350	5076
* F22.5L0810I	-8	1/2"	12.8		5/8"	34	-	68	350	5076
F22.5L0812I	-8	1/2"	12.8		3/4"	38.1	-	68	350	5076
F22.5L1008I	-10	5/8"	16		1/2"	30.2	-	59	350	5076
* F22.5L1010I	-10	5/8"	16		5/8"	34	-	63	350	5076
F22.5L1012I	-10	5/8"	16		3/4"	38.1	-	63	350	5076
F22.5L1208I	-12	3/4"	19		1/2"	30.2	-	63	350	5076
F22.5L1212I	-12	3/4"	19		3/4"	38.1	-	67	350	5076
F22.5L1216I	-16	3/4"	25.4		1"	44.5	-	70	350	5076
F22.5L1612I	-16	1"	25.4		3/4"	38.1	-	83	280	4061
F22.5L1616I	-16	1"	25.4		1"	44.5	-	86	280	4061
F22.5L1620I	-16	1"	25.4		1.1/4"	50.8	-	90	280	4061
F22.5L2016I	-20	1.1/4"	31.8		1"	44.5	-	96	210	3046
F22.5L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	-	100	210	3046
F22.5L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	-	101	210	3046
F22.5L2424I	-24	1.1/2"	38.1		1.1/2"	60.3	-	112	185	2683
F22.5L2432I	-24	1.1/2"	38.1		2"	71.4	-	123	185	2683
F22.5L3232I	-32	2"	50.8		2"	71.4	-	148	170	2466

## FLANGE CODE 62 - 6000 PSI

FLANGIA DIRITTA SAE J518 6000 PSI INTERA  
 BRIDE DROIT 6000 PSI (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA RECTA 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

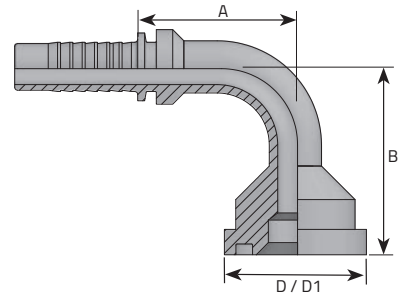


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		Inch	mm	mm		
FDP0808I	-8	1/2"	12.8		1/2"	31.7	50	415	6019
FDP0812I	-8	1/2"	12.8		3/4"	41.3	55	415	6019
FDP1008I	-10	5/8"	16		1/2"	31.7	50	350	5076
FDP1012I	-10	5/8"	16		3/4"	41.3	51	350	5076
FDP1208I	-12	3/4"	19		1/2"	31.7	53	350	5076
FDP1212I	-12	3/4"	19		3/4"	41.3	53	350	5076
FDP1216I	-12	3/4"	19		1"	47.6	64	350	5076
FDP1612I	-16	1"	25.4		3/4"	41.3	64	280	4061
FDP1616I	-16	1"	25.4		1"	47.6	66	280	4061
FDP1620I	-16	1"	25.4		1.1/4"	54	71	280	4061
FDP2016I	-20	1.1/4"	31.8		1"	47.6	66	210	3046
FDP2020I	-20	1.1/4"	31.8		1.1/4"	54	67	210	3046
FDP2024I	-20	1.1/4"	31.8		1.1/2"	63.5	78	210	3046
FDP2424I	-24	1.1/2"	38.1		1.1/2"	63.5	78	185	2683
FDP2432I	-24	1.1/2"	38.1		2"	79.4	73	185	2683
FDP3232I	-32	2"	50.8		2"	79.4	73	172	2495

## FLANGE CODE 62 - 6000 PSI - 90° ELBOW

FLANGIA A 90° SAE J518 6000 PSI INTERA  
 BRIDE 90° 6000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

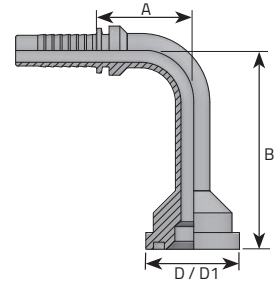


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F90P0808I	-8	1/2"	12.8		1/2"	31.7	44	39	415	6019
F90P0812I	-8	1/2"	12.8		3/4"	41.3	51	39	415	6019
F90P1008I	-10	5/8"	16		1/2"	31.7	50	49	350	5076
F90P1012I	-10	5/8"	16		3/4"	41.3	59	49	350	5076
F90P1208I	-12	3/4"	19		1/2"	31.7	53	57	350	5076
F90P1212I	-12	3/4"	19		3/4"	41.3	62	57	350	5076
F90P1216I	-12	3/4"	19		1"	47.6	67	57	350	5076
F90P1612I	-16	1"	25.4		3/4"	41.3	64	77	280	4061
F90P1616I	-16	1"	25.4		1"	47.6	69	77	280	4061
F90P1620I	-16	1"	25.4		1.1/4"	54	73	77	280	4061
F90P2016I	-20	1.1/4"	31.8		1"	47.6	87	89	210	3046
F90P2020I	-20	1.1/4"	31.8		1.1/4"	54	93	89	210	3046
F90P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	97	89	210	3046
F90P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	111	101	185	2683
F90P2432I	-24	1.1/2"	38.1		2"	79.4	126	101	185	2683
F90P3232I	-32	2"	50.8		2"	79.4	128	144	172	2495

## FLANGE CODE 62 6000 PSI - 90° ELBOW (LONG DROP)

FLANGIA A 90° INTERA SAE 6000 LONG DROP  
 BRIDE 90° 6000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



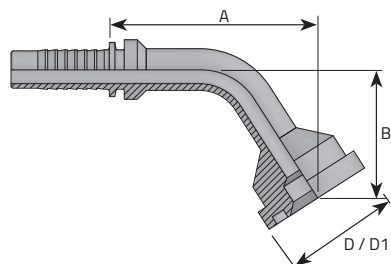
Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F90P1212I LD	20	3/4"	12		3/4"	41.3	100	57	350	5076
F90P1216I LD	20	3/4"	12		1"	47.6	137	57	350	5076
F90P1616I LD	25	1"	16		1"	47.6	120	77	280	4061
F90P2020I LD	32	1.1/4"	20		1.1/4"	54	115	89	210	3046
F90P2424I LD	40	1.1/2"	24		1.1/2"	63.5	135	95	185	2683



## FLANGE CODE 62 6000 PSI - 60° ELBOW

FLANGIA A 60° SAE J518 6000 PSI INTERA  
 BRIDE 60° 6000 PSI (PIÈCE ENTIER)  
 60° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A60° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

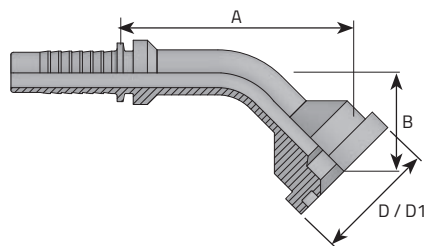


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F60P0808I	-8	1/2"	12.8		1/2"	31.7	-	64	415	6019
F60P0812I	-8	1/2"	12.8		3/4"	41.3	-	69	415	6019
F60P1008I	-10	5/8"	16		1/2"	31.7	-	60	350	5076
F60P1012I	-10	5/8"	16		3/4"	41.3	-	66	350	5076
F60P1208I	-12	3/4"	19		1/2"	31.7	-	64	350	5076
F60P1212I	-12	3/4"	19		3/4"	41.3	-	70	350	5076
F60P1216I	-12	3/4"	19		1"	47.6	-	74	350	5076
F60P1612I	-16	1"	25.4		3/4"	41.3	-	86	280	4061
F60P1616I	-16	1"	25.4		1"	47.6	-	89	280	4061
F60P1620I	-16	1"	25.4		1.1/4"	54	-	94	280	4061
F60P2016I	-20	1.1/4"	31.8		1"	47.6	-	100	210	3046
F60P2020I	-20	1.1/4"	31.8		1.1/4"	54	-	104	210	3046
F60P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	-	107	210	3046
F60P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	-	118	185	2683
F60P2432I	-24	1.1/2"	38.1		2"	79.4	-	119	185	2683
F60P3232I	-32	2"	50.8		2"	79.4	-	153	172	2495

## FLANGE CODE 62 - 6000 PSI - 45° ELBOW

FLANGIA A 45° SAE J518 6000 PSI INTERA  
 BRIDE 45° 6000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 45° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

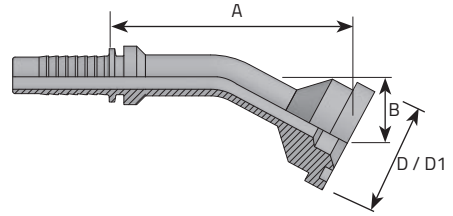


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F45P0808I	-8	1/2"	12.8		1/2"	31.7	23	64	415	6019
F45P0812I	-8	1/2"	12.8		3/4"	41.3	28	69	415	6019
F45P1008I	-10	5/8"	16		1/2"	31.7	26	60	350	5076
F45P1012I	-10	5/8"	16		3/4"	41.3	30	66	350	5076
F45P1208I	-12	3/4"	19		1/2"	31.7	28	64	350	5076
F45P1212I	-12	3/4"	19		3/4"	41.3	32	70	350	5076
F45P1216I	-12	3/4"	19		1"	47.6	35	74	350	5076
F45P1612I	-16	1"	25.4		3/4"	41.3	35	86	280	4061
F45P1616I	-16	1"	25.4		1"	47.6	32	89	280	4061
F45P1620I	-16	1"	25.4		1.1/4"	54	36	94	280	4061
F45P2016I	-20	1.1/4"	31.8		1"	47.6	36	100	210	3046
F45P2020I	-20	1.1/4"	31.8		1.1/4"	54	43	104	210	3046
F45P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	44	107	210	3046
F45P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	41	118	185	2683
F45P2432I	-24	1.1/2"	38.1		2"	79.4	52	119	185	2683
F45P3232I	-32	2"	50.8		2"	79.4	59	153	172	2495

## FLANGE CODE 62 - 6000 PSI - 30° ELBOW

FLANGIA A 30° SAE J518 6000 PSI INTERA  
 BRIDE 30° 6000 PSI (PIÈCE ENTIER)  
 30° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 30° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

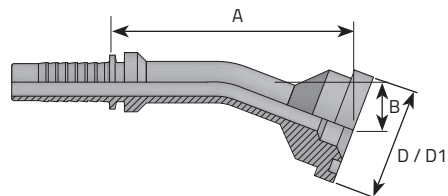


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm		Inch	mm	mm	mm		
F30P0808I	-8	1/2"	12.8		1/2"	31.7	-	64	415	6019
F30P0812I	-8	1/2"	12.8		3/4"	41.3	-	69	415	6019
F30P1008I	-10	5/8"	16		1/2"	31.7	-	60	350	5076
F30P1012I	-10	5/8"	16		3/4"	41.3	-	66	350	5076
F30P1208I	-12	3/4"	19		1/2"	31.7	-	64	350	5076
F30P1212I	-12	3/4"	19		3/4"	41.3	-	70	350	5076
F30P1216I	-12	3/4"	19		1"	47.6	-	74	350	5076
F30P1612I	-16	1"	25.4		3/4"	41.3	-	86	280	4061
F30P1616I	-16	1"	25.4		1"	47.6	-	89	280	4061
F30P1620I	-16	1"	25.4		1.1/4"	54	-	94	280	4061
F30P2016I	-20	1.1/4"	31.8		1"	47.6	-	100	210	3046
F30P2020I	-20	1.1/4"	31.8		1.1/4"	54	-	104	210	3046
F30P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	-	107	210	3046
F30P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	-	118	185	2683
F30P2432I	-24	1.1/2"	38.1		2"	79.4	-	119	185	2683
F30P3232I	-32	2"	50.8		2"	79.4	-	153	172	2495

## FLANGE CODE 62 - 6000 PSI - 22.5° ELBOW

FLANGIA A 22.5° SAE J518 6000 PSI INTERA  
 BRIDE 22.5° 6000 PSI (PIÈCE ENTIER)  
 22.5° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 22.5° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

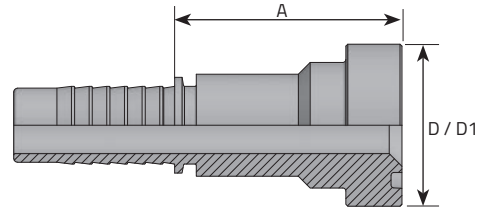


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
F22.5P0808I	-8	1/2"	12.8	1/2"	31.7	-	64	415	6019	
F22.5P0812I	-8	1/2"	12.8	3/4"	41.3	-	69	415	6019	
F22.5P1008I	-10	5/8"	16	1/2"	31.7	-	60	350	5076	
F22.5P1012I	-10	5/8"	16	3/4"	41.3	-	66	350	5076	
F22.5P1208I	-12	3/4"	19	1/2"	31.7	-	64	350	5076	
F22.5P1212I	-12	3/4"	19	3/4"	41.3	-	70	350	5076	
F22.5P1216I	-12	3/4"	19	1"	47.6	-	74	350	5076	
F22.5P1612I	-16	1"	25.4	3/4"	41.3	-	86	280	4061	
F22.5P1616I	-16	1"	25.4	1"	47.6	-	89	280	4061	
F22.5P1620I	-16	1"	25.4	1.1/4"	54	-	94	280	4061	
F22.5P2016I	-20	1.1/4"	31.8	1"	47.6	-	100	210	3046	
F22.5P2020I	-20	1.1/4"	31.8	1.1/4"	54	-	104	210	3046	
F22.5P2024I	-20	1.1/4"	31.8	1.1/2"	63.5	-	107	210	3046	
F22.5P2424I	-24	1.1/2"	38.1	1.1/2"	63.5	-	118	185	2683	
F22.5P2432I	-24	1.1/2"	38.1	2"	79.4	-	119	185	2683	
F22.5P3232I	-32	2"	50.8	2"	79.4	-	153	172	2495	

## SUPERCAT FLANGE

FLANGIA DIRITTA SUPERCAT INTERA  
 EMBOUT À BRIDE SUPERCAT DROITE (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA RECTA SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compreso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

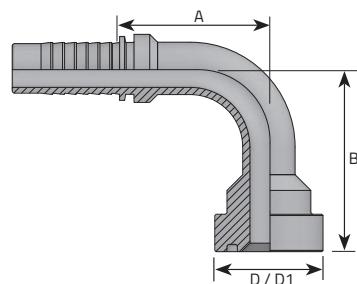


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		Inch	mm	mm		
FDS1212I	-12	3/4"	19		3/4"	41.3	58	350	5076
FDS1216I	-12	3/4"	19		1"	47.6	70	350	5076
FDS1616I	-16	1"	25.4		1"	47.6	72	280	4061
FDS1620I	-16	1"	25.4		1.1/4"	54	75	280	4061
FDS2020I	-20	1.1/4"	31.8		1.1/4"	54	71	210	3046
FDS2024I	-20	1.1/4"	31.8		1.1/2"	63.5	80	210	3046
FDS2424I	-24	1.1/2"	38.1		1.1/2"	63.5	80	185	2683

## SUPERCAT FLANGE - 90° ELBOW

FLANGIA 90° SUPERCAT INTERA  
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

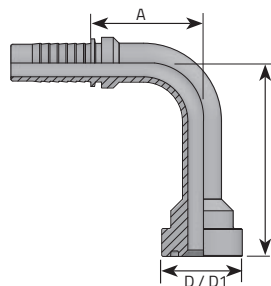


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
F90S1212I	-12	3/4"	19	3/4"	41.3	67	57	350	5076	
F90S1216I	-12	3/4"	19	1"	47.6	73	57	350	5076	
F90S1616I	-16	1"	25.4	1"	47.6	75	77	280	4061	
F90S1620I	-16	1"	25.4	1.1/4"	54	80	77	280	4061	
F90S2020I	-20	1.1/4"	31.8	1.1/4"	54	97	89	210	3046	
F90S2024I	-20	1.1/4"	31.8	1.1/2"	63.5	99	89	210	3046	
F90S2424I	-24	1.1/2"	38.1	1.1/2"	63.5	113	101	185	2683	

## SUPERCAT FLANGE 90° ELBOW (LONG DROP)

FLANGIA 90° SUPERCAT INTERA LONG DROP  
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

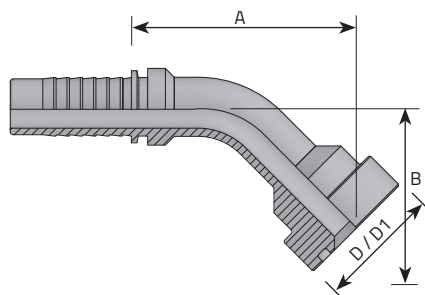


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
F90S1212ILD	-12	3/4"	19	3/4"	41.3	105.4	57	350	5076	
F90S1216ILD	-12	3/4"	19	1"	47.6	142	57	350	5076	
F90S1616ILD	-16	1"	25.4	1"	47.6	124.8	77	280	4061	
F90S2020ILD	-20	1.1/4"	31.8	1.1/4"	54	123	89	210	3046	
F90S2424ILD	-24	1.1/2"	38.1	1.1/2"	63.5	139	101	185	2683	

## SUPERCAT FLANGE - 45° ELBOW

FLANGIA 45° SUPERCAT INTERA  
 BRIDE 45° SUPERCAT (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA 45° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



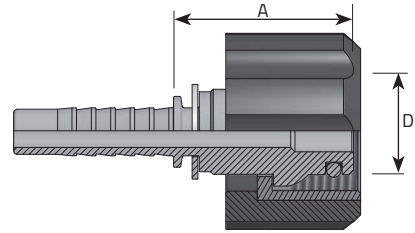
Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
F45S1212I	-12	3/4"	19		3/4"	41.3	39	74	350	5076
F45S1216I	-12	3/4"	19		1"	47.6	43	78	350	5076
F45S1616I	-16	1"	25.4		1"	47.6	40	94	280	4061
F45S1620I	-16	1"	25.4		1.1/4"	54	43	97	280	4061
F45S2020I	-20	1.1/4"	31.8		1.1/4"	54	50	107	210	3046
F45S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	51	108	210	3046
F45S2424I	-24	1.1/2"	38.1		1.1/2"	63.5	49	120	185	2683



## WATERJET CLEANER FEMALE - FK TYPE

FEMMINA PER IDROPULTRICI TIPO "FK"  
 FEMELLE SÉRIE "FK"  
 DKR FÜR HOCHDRUCKREINIGER – "FK" SERIE  
 HEMBRA PARA HIDROLAVADORA – SERIE "FK"

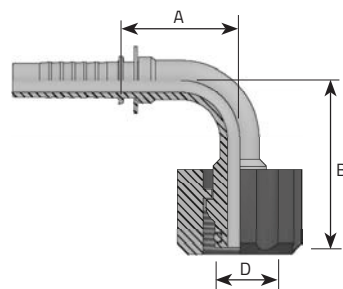
\* Hobby applications  
 Uso Hobbistico



Code	Tube		Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	D	A	Bar	Psi
		Inch	mm	mm		mm	mm		
FDW0422T14	-4	1/4"	6.4	M22 x1.5	14	33		400	5801
FDW0422T15	-4	1/4"	6.4	M22 x1.5	15	33		400	5801
* FDW0422T15L	-4	1/4"	6.4	M22 x1.5	15	40		400	5801
FDW0522T14	-5	5/16"	7.9	M22 x1.5	14	33		400	5801
FDW0522T15	-5	5/16"	7.9	M22 x1.5	15	33		400	5801
* FDW0522T15L	-5	5/16"	7.9	M22 x1.5	15	40		400	5801
FDW0622T14	-6	3/8"	9.5	M22 x1.5	14	33		400	5801
FDW0622T15	-6	3/8"	9.5	M22 x1.5	15	33		400	5801

## WATERJET CLEANER FEMALE 90° ELBOW- FK TYPE

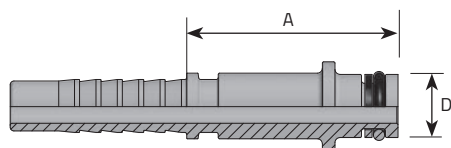
FEMMINA 90° PER IDROPULTRICI TIPO "FK"  
 FEMELLE 90° SÉRIE "FK"  
 DK 90° FÜR HOCHDRUCKREINIGER – "FK" SERIE  
 HEMBRA 90° PARA HIDROLAVADORA – SERIE "FK"



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	D	A	B	Bar	Psi
	Inch	mm	mm		mm	mm	mm			
F90W0422T14	-4	1/4"	6.4	M22 x1.5	14	27.5	44.5		400	5801
F90W0522T14	-5	5/16"	7.9	M22 x1.5	14	32	44.5		400	5801
F90W0622T14	-6	3/8"	9.5	M22 x1.5	14	35	47		400	5801

## PISTOL WASH CLEANER JUNCTION

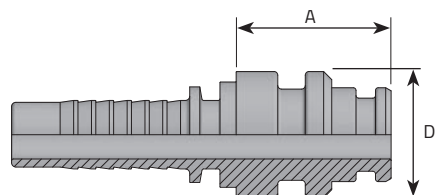
ATTACCO PER PISTOLE IDROPULITRICI  
 JONCTION POUR WASHCLEANER  
 VERBINDUNG FÜR HOCHDRUCKREINIGER  
 UNIÓN PARA HIDROLAVADORA



Code	Tube		Thread	Dimensions		Pressure	
	D.N.	Hose		Diam	D	A	Bar
		Inch	mm	mm	mm		
FW04D10	-4	1/4"	6.4	10	33.5		
FW04D11	-4	1/4"	6.4	11	33.5		
FW05D10	-5	5/16"	7.9	10	33.5		
FW05D11	-5	5/16"	7.9	11	33.5		

## STAPLE-LOCK MALE

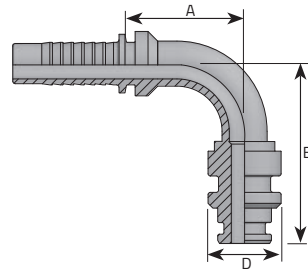
MASCHIO MINIERA  
MÂLE STAPLE-LOCK (MINE)  
STECK-O PRESSNIPPEL  
MACHO FIJO PARA MINERÍA



Code	Tube			Thread	Dimensions		Pressure	
	D.N.	Hose	Diam		A	D	Bar	Psi
	Inch		mm	mm	mm			
MINE0404	-4	1/4"	6.4		28.7	15		
MINE0606	-6	3/8"	9.5		28.8	20		
MINE0808	-8	1/2"	12.8		28.7	24		
MINE1212	-12	3/4"	19		28.9	29		
MINE1616	-16	1"	25.4		35.1	39		
MINE2020	-20	1.1/4"	31.8		35	46		
MINE2424	-24	1.1/2"	38.1		40	55		
MINE3232	-32	2"	50.8		40	64		

## STAPLE-LOCK MALE 90° ELBOW

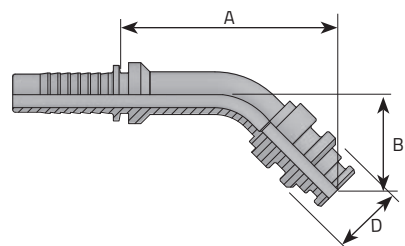
MASCHIO 90° MINIERA  
 MÅLE 90° STAPLE-LOCK (MINE)  
 90° STECK-O PRESSNIPPEL  
 MACHO 90° PARA MINERÍA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		A	B	D	Bar	Psi
		Inch	mm		mm	mm	mm		
MINE900606	-6	3/8"	9.5		32.5	53.5	20		
MINE900808	-8	1/2"	12.8		39	58	24		

## STAPLE-LOCK MALE 45° ELBOW

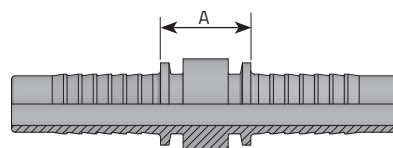
MASCHIO 45° MINIERA  
 MÂLE 45° STAPLE-LOCK (MINE)  
 45° STECK-O PRESSNIPPEL  
 MACHO 45° PARA MINERÍA



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		A	B	D	Bar	Psi
	Inch		mm	mm	mm	mm			
MINE450606	-6	3/8"	9.5	65	34	20			
MINE450808	-8	1/2"	12.8	73	35	24			

## DOUBLE CONNECTOR

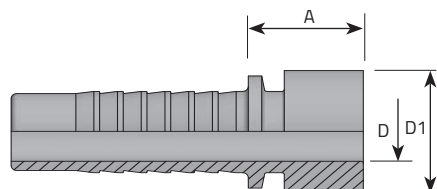
GIUNZIONE TUBO DIRITTA  
 JONCTION TUYAUX DROIT  
 VERBINDUNGSNIPPEL  
 CONECTOR DOBLE



Code	Tube		Thread	Dimensions		Pressure	
	D.N.	Hose Inch		Diam mm	A mm	Bar	Psi
GD04	-4	1/4"	6.4	14		450	6526
GD05	-5	5/16"	7.9	14		350	5076
GD06	-6	3/8"	9.5	15		445	6454
GD08	-8	1/2"	12.8	20		415	6019
GD10	-10	5/8"	16	16		350	5076
GD12	-12	3/4"	19	18		350	5076
GD16	-16	1"	25.4	20		280	4061
GD20	-20	1.1/4"	31.8	21		210	3046

## BRAZING TAIL

CODOLO A SALDARE  
 QUEUE À SOUDER  
 SCHWEISSNIPPEL  
 ESPIGA SOLDABLE

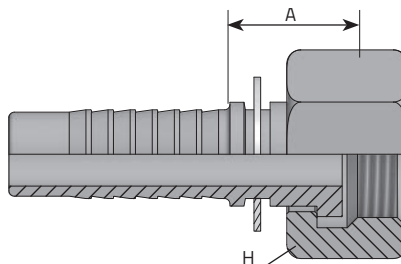


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		mm	mm	mm		
CS03	-3	3/16"	4.8		-	12	14.5		
CS04	-4	1/4"	6.4		-	12	12.5		
CS04T8	-4	1/4"	6.4		8	12	12.5		
CS05	-5	5/16"	7.9		-	14	13.5		
CS05T10	-5	5/16"	7.9		10	15	13.6		
CS06	-6	3/8"	9.5		-	16	14.5		
CS06T10	-6	3/8"	9.5		10	16	14.5		
CS06T12	-6	3/8"	9.5		12	16	14.5		
CS08	-8	1/2"	12.8		-	20	16		
CS08T14	-8	1/2"	12.8		14	20	16		
CS08T15	-8	1/2"	12.8		15	20	16		
CS08T16	-8	1/2"	12.8		16	20	16		
CS10	-10	5/8"	16		-	24	18		
CS12	-12	3/4"	19		-	26	15.5		
CS16	-16	1"	25.4		-	32	22		
CS20	-20	1.1/4"	31.8		-	40	21.5		
CS24	-24	1.1/2"	38.1		-	46	21.5		
CS32	-32	2"	50.8		-	60	23		



## WHITWORTH CO<sup>2</sup> FEMALE

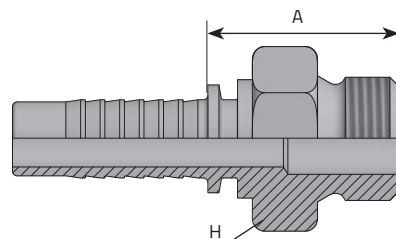
FEMMINA CO<sub>2</sub> FILETTO WHITWORTH  
 FEMÂLE CO<sub>2</sub> WHITWORTH  
 PRESSARMATUR CO<sub>2</sub> IG 21.7 WHITWORTH  
 HEMBRA CO<sub>2</sub> WHITWORTH



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	mm		mm	mm		
FW0621.7	-6	3/8"	9.5	21.7 W	14	27	16		
FW0821.7	-8	1/2"	12.8	21.7 W	14	27	16.5		

## WHITWORTH CO<sup>2</sup> MALE

MASCHIO CO<sub>2</sub> FILETTO WHITWORTH  
 MELLE CO<sub>2</sub> WHITWORTH  
 PRESSARMATUR CO<sub>2</sub> AG 21.7 WHITWORTH  
 MACHO CO<sub>2</sub> WHITWORTH



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	mm		mm	mm		
MW0621.7	-6	3/8"	9.5	21.7 W	14	24	27		
MW0821.7	-8	1/2"	12.8	21.7 W	14	24	27.5		



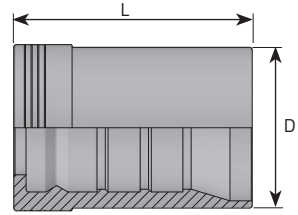
# Interlock

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## INTERLOCK FERRULE FOR 4SH

BOCCOLA PER TUBO 4SH  
 JUPE POUR 4SH  
 PRESSHÜLSE 4SH  
 CASQUILLO PARA 4SH

Double skive - Doppia pelatura - Double dénudable -  
 Schaelfassung - Doble pelatura

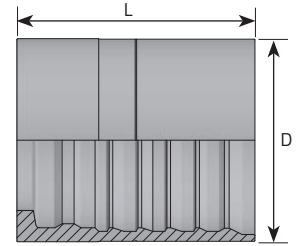


Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
KB4SH10	-10	5/8"	16		36	52	
KB4SH12	-12	3/4"	19		38	60	
KB4SH16	-16	1"	25.4		46	74.5	
KB4SH20	-20	1.1/4"	31.8		56	87.8	
KB4SH24	-24	1.1/2"	38.1		62	94.4	
KB4SH32	-32	2"	50.8		79.5	99	

## INTERLOCK FERRULE FOR R13/R15

BOCCOLA PER TUBO R13/R15  
 JUPE POUR R13/R15  
 PRESSHÜLSE R13/R15  
 CASQUILLO PARA R13/R15

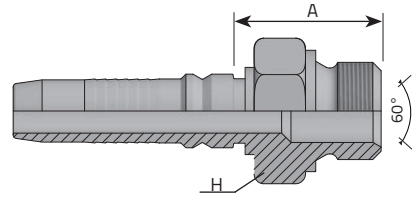
Double skive - Doppia pelatura - Double dénudable -  
 Schaelfassung - Doble peladura



Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
KBH1320	-20	1.1/4"	31.8		60	87.8	
<b>KBH1324</b>	<b>-24</b>	<b>1.1/2"</b>	<b>38.1</b>		<b>67</b>	<b>94.4</b>	
KBH1332	-32	2"	50.8		84.5	99	

## INTERLOCK BSPP MALE

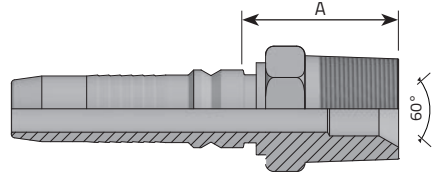
MASCHIO BSPP SV 60°  
 EMBOUT MÂLE BSPP CÔNE 60°  
 AGR 60° INNENKONUS (BSPP-GEWINDE)  
 MACHO BSPP CONO 60°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KMG1212	-12	3/4"	19	3/4"	14	32	34.7	420	6091
KMG1616	-16	1"	25.4	1"	11	38	37.4	420	6091
KMG1620	-16	1"	25.4	1.1/4"	11	50	42.6	420	6091
KMG2020	-20	1.1/4"	31.8	1.1/4"	11	50	44.2	420	6091
KMG2424	-24	1.1/2"	38.1	1.1/2"	11	55	44.5	345	5004
KMG3232	-32	2"	50.8	2"	11	70	54	345	5004

## INTERLOCK BSPT MALE

MASCHIO BSPT SV 60°  
 MÂLE BSPT CÔNE 60°  
 AGR KONISCH (BSPT)  
 MACHO BSPT CONO 60°

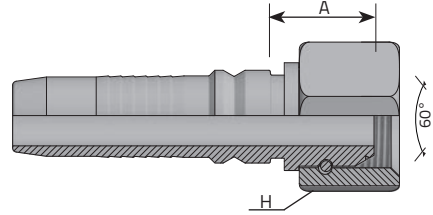


Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KMGK1212	-12	3/4"	19	3/4"	14	27	34.7	420	6091
KMGK1616	-16	1"	25.4	1"	11	36	43.5	420	6091
KMGK2020	-20	1.1/4"	31.8	1.1/4"	11	46	42.0	414	6004
KMGK2424	-24	1.1/2"	38.1	1.1/2"	11	50	46	345	5004
KMGK3232	-32	2	50.8	2"	11	65	57	345	5004



## INTERLOCK BSPP FEMALE (O-RING) - THURST-WIRE NUT

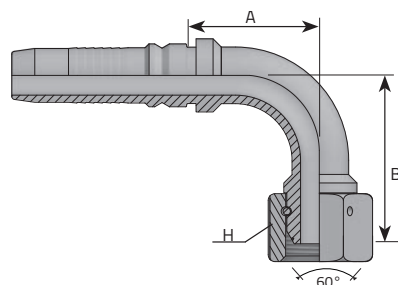
FEMMINA DIRITTA BSPP SV 60° DADO SPINATO CON O-RING  
 FEMELLE DROIT AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKR MIT O-RING + GESTIFTETE ÜBERWURFMUTTER (BSPP-GEWINDE)  
 HEMBRA RECTA BSPP CON O-RING CONO 60° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KFDG1212	-12	3/4"	19	3/4"	14	32	22.7	420	6091
KFDG1616	-16	1"	25.4	1"	11	38	24.7	420	6091
KFDG1620	-16	1"	25.4	1.1/4"	11	50	27.5	414	6004
KFDG2020	-20	1.1/4"	31.8	1.1/4"	11	50	28.2	345	5004
KFDG2424	-24	1.1/2"	38.1	1.1/2"	11	55	30.5	345	5004
KFDG3232	-32	2"	50.8	2"	11	70	34	345	5004

## INTERLOCK BSPP FEMALE 90° (O-RING) - THURST-WIRE NUT

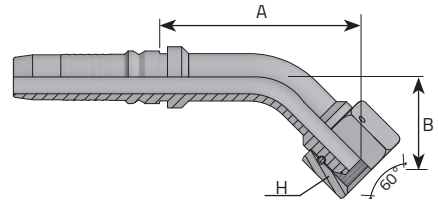
FEMMINA 90° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 90° AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKR 90° BOGEN MIT O-RING + GESTIFTETE ÜBERWURFMUTTER (BSPP-GEWINDE)  
 HEMBRA BSPP A 90° CON O-RING CONO 60° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF90G1212	-12	3/4"	19	3/4"	14	32	59	54	420	6091
KF90G1616	-16	1"	25.4	1"	11	38	72	70.5	420	6091
KF90G1620	-16	1"	25.4	1.1/4"	11	50	80	70.5	420	6091
KF90G2020	-20	1.1/4"	31.8	1.1/4"	11	50	93	87.7	420	6091
KF90G2424	-24	1.1/2"	38.1	1.1/2"	11	55	114	99.5	345	5004
KF90G3232	-32	2"	50.8	2"	11	70	136	135	345	5004

## INTERLOCK BSPP FEMALE 45° (O-RING) - THURST-WIRE NUT

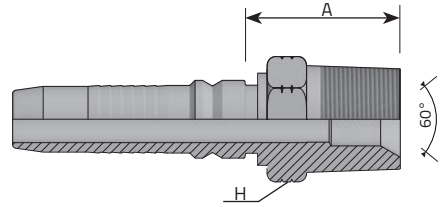
FEMMINA 45° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 45° AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKR 45° BOGEN MIT O-RING + GESTIFTETE ÜBERWURFMUTTER (BSPP-GEWINDE)  
 HEMBRA BSPP A 45° CON O-RING CONO 60° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF45G1212	-12	3/4"	19	3/4"	14	32	29	60.7	420	6091
KF45G1616	-16	1"	25.4	1"	11	38	41	87.5	420	6091
KF45G1620	-16	1"	25.4	1.1/4"	11	50	44	90.5	420	6091
KF45G2020	-20	1.1/4"	31.8	1.1/4"	11	50	44	100.5	420	6091
KF45G2424	-24	1.1/2"	38.1	1.1/2"	11	55	45	116.5	345	5004
KF45G3232	-32	2"	50.8	2"	11	70	68	156	345	5004

## INTERLOCK NPTF MALE

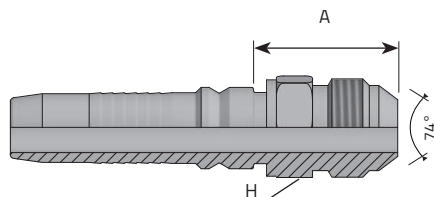
MASCHIO NPTF  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF)  
 MACHO NPTF CONO 60°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KMNPTF1212	-12	3/4"	19	3/4"	14	27	34.5	96.5	420	6091
KMNPTF1216	-12	3/4"	19	1"	11.5	36	42.5	104.5	420	6091
KMNPTF1616	-16	1"	25.4	1"	11.5	36	43	115	420	6091
KMNPTF1620	-16	1"	25.4	1.1/4"	11.5	46	43	115	420	6091
KMNPTF2020	-20	1.1/4"	31.8	1.1/4"	11.5	46	44	137.5	420	6091
KMNPTF2024	-20	1.1/4"	31.8	1.1/2"	11.5	50	44	137.5	420	6091
KMNPTF2424	-24	1.1/2"	38.1	1.1/2"	11.5	50	45.5	139	345	5004
KMNPTF3232	-32	2"	50.8	2"	11.5	65	57	155	345	5004

## INTERLOCK JIC 37° MALE

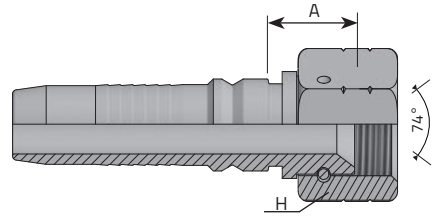
MASCHIO JIC SV 37°  
 MÂLE JIC CÔNE 37°  
 AGJ 37° JIC AUSSENKONUS (UNF- GEWINDE)  
 MACHO JIC CONO 37°



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KMJ1212	-12	3/4"	19	1.1/16"	12	27	38	420	6091
KMJ1214	-12	3/4"	19	1.3/16"	12	32	39	420	6091
KMJ1216	-12	3/4"	19	1.5/16"	12	34	39	420	6091
KMJ1616	-16	1"	25.4	1.5/16"	12	34	40	414	6004
KMJ1620	-16	1"	25.4	1.5/8"	12	42	42.5	414	6004
KMJ2020	-20	1.1/4"	31.8	1.5/8"	12	42	44	414	6004
KMJ2024	-20	1.1/4"	31.8	1.7/8"	12	50	51	414	6004
KMJ2424	-24	1.1/2"	38.1	1.7/8"	12	50	51	345	5004
KMJ3232	-32	2"	50.8	2.1/2"	12	65	61.5	345	5004

## INTERLOCK JIC 37° FEMALE

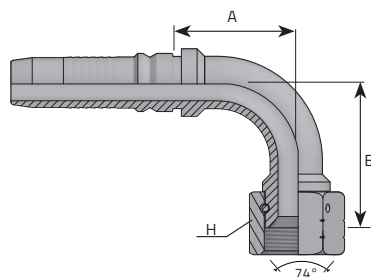
FEMMINA DIRITTA JIC SV 37° DADO SPINATO  
 FEMELLE DROIT JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 37° (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA RECTA JIC ASIENITO 37° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KFDJ1212	-12	3/4"	19	1.1/16"	12	32	20.5	420	6091
KFDJ1214	-12	3/4"	19	1.3/16"	12	36	20.5	420	6091
KFDJ1216	-12	3/4"	19	1.5/16"	12	41	20.5	420	6091
KFDJ1616	-16	1"	25.4	1.5/16"	12	41	22	414	6004
KFDJ1620	-16	1"	25.4	1.5/8"	12	50	26	414	6004
KFDJ2020	-20	1.1/4"	31.8	1.5/8"	12	50	27.5	414	6004
KFDJ2024	-20	1.1/4"	31.8	1.7/8"	12	55	29.5	414	6004
KFDJ2424	-24	1.1/2"	38.1	1.7/8"	12	55	29.5	345	5004
KFDJ3232	-32	2"	50.8	2.1/2"	12	70	33	345	5004

## INTERLOCK JIC 37° FEMALE 90°

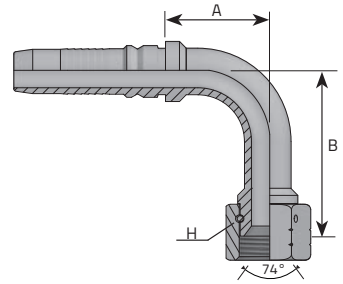
FEMMINA 90° JIC SV 37° DADO SPINATO  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA JIC A 90° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF90J1212	-12	3/4"	19	1.1/16"	12	32	58	51	420	6091
KF90J1214	-12	3/4"	19	1.3/16"	12	36	61	51	420	6091
KF90J1216	-12	3/4"	19	1.5/16"	12	41	62.5	51	420	6091
KF90J1616	-16	1"	25.4	1.5/16"	12	41	69.5	70.5	414	6004
KF90J1620	-16	1"	25.4	1.5/8"	12	50	78.5	70.5	414	6004
KF90J2020	-20	1.1/4"	31.8	1.5/8"	12	50	91.5	87.5	414	6004
KF90J2024	-20	1.1/4"	31.8	1.7/8"	12	55	99	87.5	414	6004
KF90J2424	-24	1.1/2"	38.1	1.7/8"	12	55	112.5	99.5	345	5004
KF90J3232	-32	2"	50.8	2.1/2"	12	70	101	110	345	5004

## INTERLOCK JIC 37° FEMALE 90° ELBOW (LONG DROP)

FEMMINA 90° JIC SV 37° DADO SPINATO LONG DROP  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA JIC A 90° CONO 37° (TUERCA CON SEGURO)

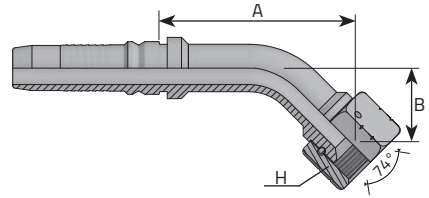


Code	Tube		Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	B	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF90J1212LD	-12	3/4"	19	1.1/16"	12	32	62	94.5	420	6091
KF90J1616LD	-16	1"	25.4	1.5/16"	12	41	77	110	380	5511
KF90J1620LD	-16	1"	25.4	1.5/8"	12	50	77	116	325	4713
KF90J2020LD	-20	1.1/4"	31.8	1.5/8"	12	50	89	136	325	4713
KF90J2424LD	-24	1.1/2"	38.1	1.7/8"	12	55	101	162	290	4206
KF90J3232LD	-32	2"	50.8	2.1/2"	12	70	135	220	250	3626



## INTERLOCK JIC 37° FEMALE 45° ELBOW

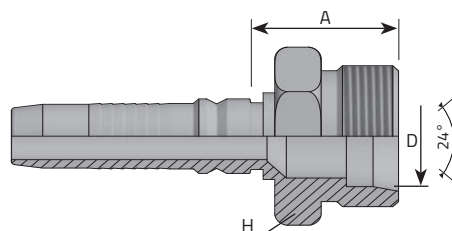
FEMMINA 45° JIC SV 37° DADO SPINATO  
 FEMELLE 45° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 45° BOGEN 37° DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA JIC A 45° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF45J1212	-12	3/4"	19	1.1/16"	12	32	29	59.5	420	6091
KF45J1214	-12	3/4"	19	1.3/16"	12	36	29	60.5	420	6091
KF45J1216	-12	3/4"	19	1.5/16"	12	41	29	60.5	420	6091
KF45J1616	-16	1"	25.4	1.5/16"	12	41	39.5	86	414	6004
KF45J1620	-16	1"	25.4	1.5/8"	12	50	38.5	87	414	6004
KF45J2020	-20	1.1/4"	31.8	1.5/8"	12	50	44	99.5	414	6004
KF45J2024	-20	1.1/4"	31.8	1.7/8"	12	55	45	101.5	414	6004
KF45J2424	-24	1.1/2"	38.1	1.7/8"	12	55	45	116.5	345	5004
KF45J3232	-32	2"	50.8	2.1/2"	12	70	65.8	156	345	5004

## INTERLOCK METRIC MALE 24° CONE - S TYPE

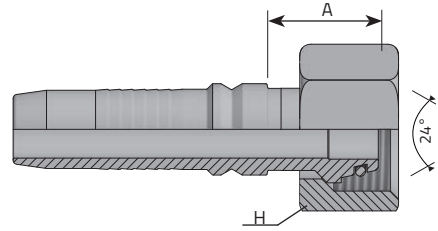
MASCHIO METRICO 24° DKOS  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE S  
 CES METRISCH 24° KONUS  
 MACHO MÉTRICO CONO 24° - SERIE S



Code	Tube		Diam	T	Thread	Dimensions			Pressure	
	D.N.	Hose				D	H	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm		
KME1230S20	-12	3/4"	19		M30 x 2	20	32	31.5	420	6091
KME1236S25	-12	3/4"	19		M36 x 2	25	38	33.5	420	6091
KME1636S25	-16	1"	25.4		M36 x 2	25	38	36	414	6004
KME1642S30	-16	1"	25.4		M42 x 2	30	46	39.5	280	4061
KME2042S30	-20	1.1/4"	31.8		M42 x 2	30	46	40.5	250	3626
KME2052S38	-20	1.1/4"	31.8		M52 x 2	38	55	44.5	250	3626
KME2452S38	-24	1.1/2"	38.1		M52 x 2	38	55	44.5	250	3626

## INTERLOCK METRIC FEMALE 24° CONE - S TYPE

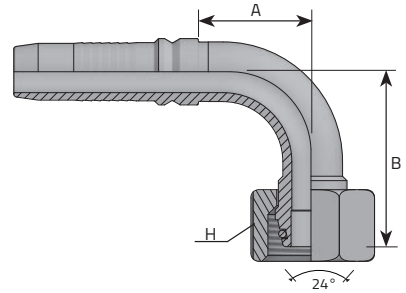
FEMMINA DIRITTA METRICA 24° DKOS CON O-RING  
 FEMELLE DROIT MÉTRIQUE AVEC O-RING CÔNE 24° - SÉRIE S  
 DKO-S INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA RECTA MÉTRICA CON O-RING CONO 24° - SERIE S



Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		T	D	H	A	Bar
	Inch		mm	mm	mm	mm	mm		
KFE1030S20	-10	5/8"	16	M30 x 2	20			420	6091
KFE1230S20	-12	3/4"	19	M30 x 2	20	36	35	420	6091
KFE1236S25	-12	3/4"	19	M36 x 2	25	46	36	420	6091
KFE1636S25	-16	1"	25.4	M36 x 2	25	46	37	414	6004
KFE1642S30	-16	1"	25.4	M42 x 2	30	50	38	280	4061
KFE2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	40	250	3626
KFE2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	45.5	250	3626
KFE2452S38	-24	1.1/2"	38.1	M52 x 2	38	60	45.5	250	3626

## INTERLOCK METRIC FEMALE 24° CONE 90° - S TYPE

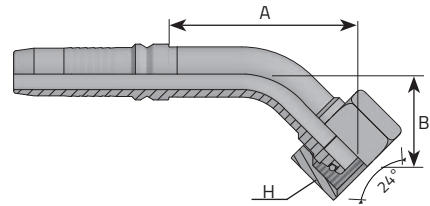
FEMMINA 90° METRICA O-RING 24° DKOS  
 FEMELLE 90° MÉTRIQUE AVEC O-RING CÔNE 24° - SÉRIE S  
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S



Code	Tube			Thread		Dimensions				Pressure	
	D.N.	Hose	Diam	T	t/1"	D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
KF90E1030S20	-10	5/8"	16	M30 x 2		20	-	-	-	420	6091
KF90E1230S20	-12	3/4"	19	M30 x 2		20	36	59	54	420	6091
KF90E1236S25	-12	3/4"	19	M36 x 2		25	46	59	54	420	6091
KF90E1636S25	-16	1"	25.4	M36 x 2		25	46	75	70.5	414	6004
KF90E1642S30	-16	1"	25.4	M42 x 2		30	50	75	70.5	280	4061
KF90E2042S30	-20	1.1/4"	31.8	M42 x 2		30	50	86	90.5	250	3626
KF90E2052S38	-20	1.1/4"	31.8	M52 x 2		38	60	86	90.5	250	3626
KF90E2452S38	-24	1.1/2"	38.1	M52 x 2		38	60	94	97.5	250	3626

## INTERLOCK METRIC FEMALE 24° CONE 45° ELBOW - S TYPE

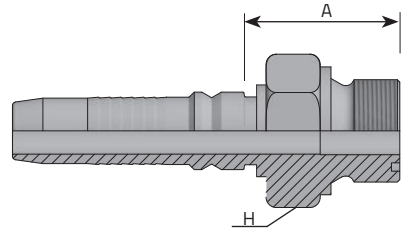
FEMMINA 90° METRICA O-RING 24° DKOS  
 FEMELLE 90° MÉTRIQUE AVEC O-RING CÔNE 24° - SÉRIE S  
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S



Code	Tube		Thread		Dimensions				Pressure		
	D.N.	Hose	Diam	T	t/1"	D	H	B	A	Bar	Psi
	Inch		mm	mm		mm	mm	mm	mm		
KF45E1030S20	-10	5/8"	16	M30 x 2		20	-	-	-	420	6091
KF45E1230S20	-12	3/4"	19	M30 x 2		20	36	27	61.5	420	6091
KF45E1236S25	-12	3/4"	19	M36 x 2		25	46	28	67.5	420	6091
KF45E1636S25	-16	1"	25.4	M36 x 2		25	46	38	86	414	6004
KF45E1642S30	-16	1"	25.4	M42 x 2		30	50	38	86.5	280	4061
KF45E2042S30	-20	1.1/4"	31.8	M42 x 2		30	50	35	103	250	3626
KF45E2052S38	-20	1.1/4"	31.8	M52 x 2		38	60	35	103	250	3626
KF45E2452S38	-24	1.1/2"	38.1	M52 x 2		38	60	45	117.5	250	3626

## INTERLOCK ORFS MALE

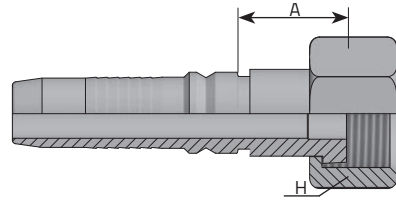
MASCHIO ORFS  
 MÂLE ORFS  
 AGF ORFS STIRNDICHTEND  
 MACHO ORFS



Code	Tube			Thread			Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi	
	Inch		mm	Inch		mm	mm			
KMORFS1215	-12	3/4"	19	1.7/16"	12	41	35.7	420	6091	
KMORFS1615	-16	1"	25.4	1.7/16"	12	41	36.6	414	6004	
KMORFS1621	-16	1"	25.4	1.11/16"	12	46	36.6	414	6004	
KMORFS2021	-20	1.1/4"	31.8	1.11/16"	12	46	37.7	414	6004	

## INTERLOCK ORFS FEMALE

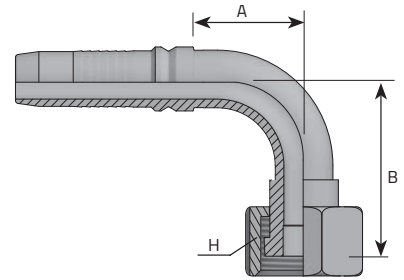
FEMMINA DIRITTA ORFS  
 FEMELLE DROIT ORFS  
 DK-ORFS (UNF GEWINDE)  
 HEMBRA RECTA ORFS



Code	Tube			Thread		Dimensions		Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	Bar	Psi
	Inch		mm	Inch		mm	mm		
KFORFS1014	-10	5/8"	16	1.3/16"	12	-	-	420	6091
KFORFS1214	-12	3/4"	19	1.3/16"	12	36	30.5	420	6091
KFORFS1215	-12	3/4"	19	1.7/16"	12	41	31.5	414	6004
KFORFS1615	-16	1"	25.4	1.7/16"	12	41	32.5	414	6004
KFORFS1621	-16	1"	25.4	1.11/16"	12	-	-	-	-
KFORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	34	250	3626

## INTERLOCK ORFS FEMALE - 90° ELBOW

FEMMINA 90° ORFS  
 FEMELLE 90° ORFS  
 DK 90° BOGEN ORFS - UNF STIRNDICHTEND  
 HEMBRA ORFS CODO 90°

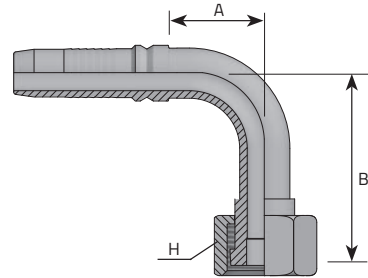


Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF900RFS1014	-10	5/8"	16	1.3/16"	12	-	-	-	-	-
KF900RFS1214	-12	3/4"	19	1.3/16"	12	36	49	53.5	420	6091
KF900RFS1215	-12	3/4"	19	1.7/16"	12	41	54	54	410	5946
KF900RFS1615	-16	1"	25.4	1.7/16"	12	41	59.5	71.5	410	5946
KF900RFS1621	-16	1"	25.4	1.11/16"	12	-	-	-	-	-
KF900RFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	75.5	88.5	250	3626



## INTERLOCK ORFS FEMALE 90° ELBOW (LONG DROP)

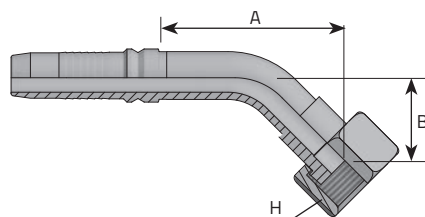
FEMMINA 90° ORFS LONG DROP  
 FEMELLE 90° ORFS  
 DK 90° BOGEN ORFS - UNF STIRNDICHTEND  
 HEMBRA ORFS A 90°



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch	mm	Inch		mm	mm	mm			
KF90ORFS1214LD	-12	3/4"	19	1.3/16"	12	36	96	50	420	6091
KF90ORFS1615LD	-16	1"	25.4	1.7/16"	12	41	113	62	414	6004
KF90ORFS2021LD	-20	1.1/4"	31.8	1.11/16"	12	50	130	87	250	3626

## INTERLOCK ORFS FEMALE 45° ELBOW

FEMMINA 45° ORFS  
 FEMELLE 45° ORFS  
 DK 45° BOGEN ORFS - UNF STIRNDICHTEND  
 HEMBRA ORFS A 45°

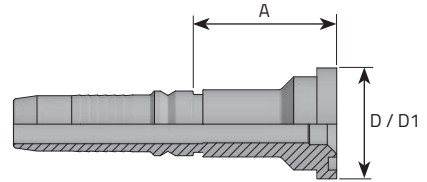


Code	Tube		Thread			Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	B	A	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KF45ORFS1014	-10	5/8"	16	1.3/16"	12	-	-	-	-	-
KF45ORFS1214	-12	3/4"	19	1.3/16"	12	36	23	55.5	420	6091
KF45ORFS1215	-12	3/4"	19	1.7/16"	12	41	27	60	410	5946
KF45ORFS1615	-16	1"	25.4	1.7/16"	12	41	26	78.5	410	5946
KF45ORFS1621	-16	1"	25.4	1.11/16"	12	-	-	-	-	-
KF45ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	34	91.5	250	3626

## INTERLOCK FLANGE CODE 61 - 3000 PSI

FLANGIA DIRITTA SAE J518 3000 PSI INTERA  
 BRIDE DROIT 3000 PSI (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA RECTA 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

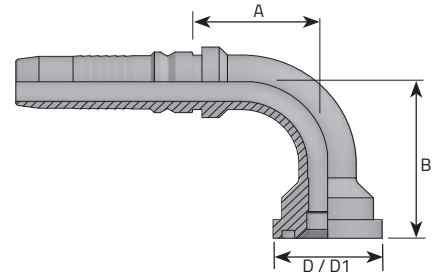


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		Inch	mm	mm		
KFDL1212I	-12	3/4"	19		3/4"	38.1	56.7	420	6091
KFDL1216I	-12	3/4"	19		1"	44.5	48.7	420	6091
KFDL1612I	-16	1"	25.4		3/4"	38.1	47.6	415	6019
KFDL1616I	-16	1"	25.4		1"	44.5	47.6	415	6019
KFDL1620I	-16	1"	25.4		1.1/4"	50.8	64.6	415	6019
KFDL2020I	-20	1.1/4"	31.8		1.1/4"	50.8	68.7	250	3626
KFDL2024I	-20	1.1/4"	31.8		1.1/2"	60.3	78.7	250	3626
KFDL2424I	-24	1.1/2"	38.1		1.1/2"	60.3	68.5	200	2901
KFDL2432I	-24	1.1/2"	38.1		2"	71.4	70.5	200	2901
KFDL3232I	-32	2"	50.8		2"	71.4	70.5	200	2901

## INTERLOCK FLANGE CODE 61 - 3000 PSI - 90° ELBOW

FLANGIA 90° SAE J518 3000 PSI INTERA  
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

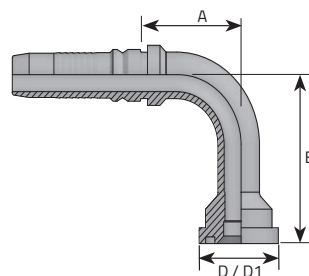


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch	mm			Inch	mm	mm	mm		
KF90L1212I	-12	3/4"	19		3/4"	38.1	58	54.7	420	6091
KF90L1216I	-12	3/4"	19		1"	44.5	62	54.7	420	6091
KF90L1612I	-16	1"	25.4		3/4"	38.1	60	74.6	415	6019
KF90L1616I	-16	1"	25.4		1"	44.5	68	70.6	415	6019
KF90L1620I	-16	1"	25.4		1.1/4"	50.8	70	74.6	415	6019
KF90L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	87	87.7	250	3626
KF90L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	88	87.7	250	3626
KF90L2424I	-24	1.1/2"	38.1		1.1/2"	60.3	102	99.5	200	2901
KF90L2432I	-24	1.1/2"	38.1		2"	71.4	118	99.5	200	2901
KF90L3232I	-32	2"	50.8		2"	71.4	12	144	200	2901

## INTERLOCK FLANGE CODE 61 -3000 PSI -90° ELBOW (LONG DROP)

FLANGIA 90° SAE J518 3000 PSI INTERA  
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

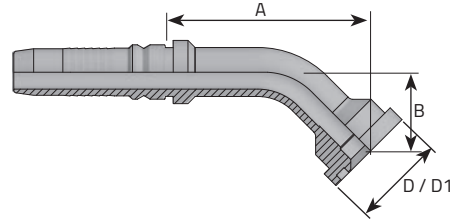


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF90L1212ILD	-12	3/4"	19		3/4"	38.1	96.8	54.7	420	6091
KF90L1216ILD	-12	3/4"	19		1"	44.5	135.5	54.7	420	6091
KF90L1616ILD	-16	1"	25.4		1"	44.5	115.5	70.6	415	6019
KF90L2020ILD	-20	1.1/4"	31.8		1.1/4"	50.8	115.2	87.7	250	3626
KF90L2424ILD	-24	1.1/2"	38.1		1.1/2"	60.3	131.4	99.5	200	2901

## INTERLOCK FLANGE CODE 61 - 3000 PSI - 45° ELBOW

FLANGIA 45° SAE J518 3000 PSI INTERA  
 BRIDE 45° 3000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 45° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

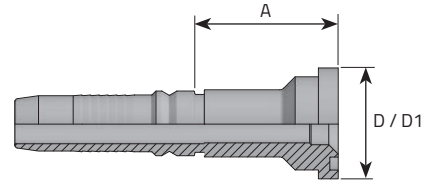


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF45L1212I	-12	3/4"	19	3/4"	38.1	32	64.7	420	6091	
KF45L1216I	-12	3/4"	19	1"	44.5	35	67.7	420	6091	
KF45L1612I	-16	1"	25.4	3/4"	38.1	35	80.6	415	6019	
KF45L1616I	-16	1"	25.4	1"	44.5	32	83.6	415	6019	
KF45L1620I	-16	1"	25.4	1.1/4"	50.8	36	87.6	415	6019	
KF45L2020I	-20	1.1/4"	31.8	1.1/4"	50.8	43	98.7	250	3626	
KF45L2024I	-20	1.1/4"	31.8	1.1/2"	60.3	44	99.7	250	3626	
KF45L2424I	-24	1.1/2"	38.1	1.1/2"	60.3	41	110.5	200	2901	
KF45L2432I	-24	1.1/2"	38.1	2"	71.4	52	121.5	200	2901	
KF45L3232I	-32	2"	50.8	2"	71.4	59	148	200	2901	

## INTERLOCK FLANGE CODE 62 - 6000 PSI

FLANGIA DIRITTA SAE J518 6000 PSI INTERA  
 BRIDE DROIT 6000 PSI (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA RECTA 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

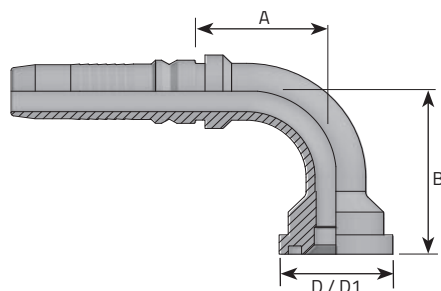


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm	Inch	mm	mm			
KFDP1212I	-12	3/4"	19	3/4"	41.3	50	420	6091	
KFDP1216I	-12	3/4"	19	1"	47.6	61.7	420	6091	
KFDP1612I	-16	1"	25.4	3/4"	41.3	61.6	420	6091	
KFDP1616I	-16	1"	25.4	1"	47.6	63.6	420	6091	
KFDP1620I	-16	1"	25.4	1.1/4"	54	68.6	420	6091	
KFDP2020I	-20	1.1/4"	31.8	1.1/4"	54	68.7	420	6091	
KFDP2024I	-20	1.1/4"	31.8	1.1/2"	63.5	76.7	420	6091	
KFDP2424I	-24	1.1/2"	38.1	1.1/2"	63.5	76.5	420	6091	
KFDP2432I	-24	1.1/2"	38.1	2"	79.4	70.5	420	6091	
KFDP3232I	-32	2"	50.8	2"	79.4	73	420	6091	

## INTERLOCK FLANGE CODE 62 - 6000 PSI - 90° ELBOW

FLANGIA DIRITTA SAE J518 6000 PSI INTERA  
 BRIDE 90° 6000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



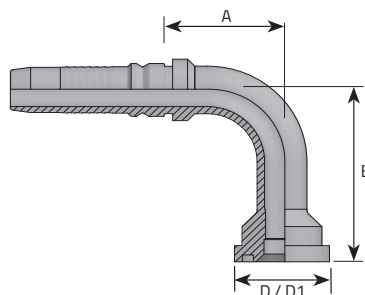
Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF90P1212I	-12	3/4"	19		3/4"	41.3	62	54.7	420	6091
KF90P1216I	-12	3/4"	19		1"	47.6	67	54.7	420	6091
KF90P1612I	-16	1"	25.4		3/4"	41.3	64	74.6	415	6019
KF90P1616I	-16	1"	25.4		1"	47.6	69	70.6	415	6019
KF90P1620I	-16	1"	25.4		1.1/4"	54	76	74.6	415	6019
KF90P2020I	-20	1.1/4"	31.8		1.1/4"	54	93	87.7	415	6019
KF90P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	97	87.7	415	6019
KF90P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	111	99.5	345	5004
KF90P2432I	-24	1.1/2"	38.1		2"	79.4	128	110	345	5004
KF90P3232I	-32	2"	50.8		2"	79.4	128	144	345	5004



## INTERLOCK FLANGE CODE 62 6000 PSI 90° ELBOW (LONG DROP)

FLANGIA DIRITTA SAE J518 6000 PSI INTERA  
 BRIDE 90° 6000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

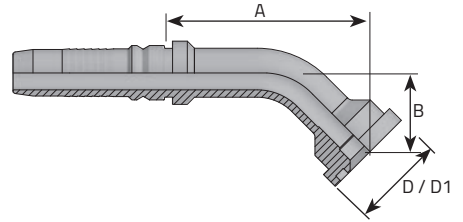


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF90P1212ILD	-12	3/4"	19		3/4"	41.3	100	54.7	420	6091
KF90P1216ILD	-12	3/4"	19		1"	47.6	137	54.7	420	6091
KF90P1616ILD	-16	1"	25.4		1"	47.6	120	70.6	415	6019
KF90P2020ILD	-20	1.1/4"	31.8		1.1/4"	54	115	87.7	415	6019
KF90P2424ILD	-24	1.1/2"	38.1		1.1/2"	63.5	135	95	415	6019

## INTERLOCK FLANGE CODE 62-6000 PSI- 45° ELBOW

FLANGIA 45° SAE J5186000 PSI INTERA  
 BRIDE 45° 6000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 45° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

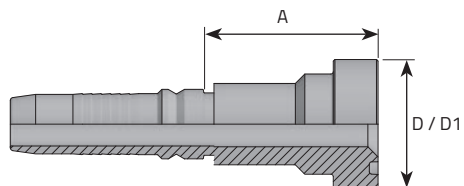


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF45P1212I	-12	3/4"	19		3/4"	41.3	35	67.7	420	6091
KF45P1216I	-12	3/4"	19		1"	47.6	39	71.7	420	6091
KF45P1612I	-16	1"	25.4		3/4"	41.3	32	83.6	415	6019
KF45P1616I	-16	1"	25.4		1"	47.6	35	86.6	415	6019
KF45P1620I	-16	1"	25.4		1.1/4"	54	40	91.6	415	6019
KF45P2020I	-20	1.1/4"	31.8		1.1/4"	54	47	102.7	415	6019
KF45P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	50	105.7	415	6019
KF45P2424I	-24	1.1/2"	38.1		1.1/2"	63.5	47	116.5	345	5004
KF45P2432I	-24	1.1/2"	38.1		2"	79.4	64	145	345	5004
KF45P3232I	-32	2"	50.8		2"	79.4	64	153	345	5004

## INTERLOCK SUPERCAT FLANGE

FLANGIA DIRITTA SUPERCAT  
 BRIDE DROIT SUPERCAT (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA RECTA SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

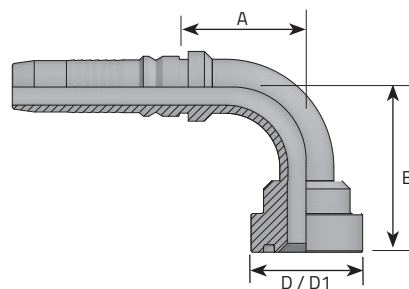


Code	Tube			Thread	Dimensions			Pressure	
	D.N.	Hose	Diam		D	D1	A	Bar	Psi
	Inch		mm		Inch	mm	mm		
KFDS1212I	-12	3/4"	19		3/4"	41.3	55.7	420	6091
KFDS1216I	-12	3/4"	19		1"	47.6	67.7	420	6091
KFDS1616I	-16	1"	25.4		1"	47.6	69.6	420	6091
KFDS1620I	-16	1"	25.4		1.1/4"	54	72.6	420	6091
KFDS2020I	-20	1.1/4"	31.8		1.1/4"	54	69.7	420	6091
KFDS2024I	-20	1.1/4"	31.8		1.1/2"	63.5	78.7	420	6091
KFDS2424I	-24	1.1/2"	38.1		1.1/2"	63.5	78.5	420	6091

## INTERLOCK SUPERCAT FLANGE 90°

FLANGIA 90° SUPERCAT  
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA A 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

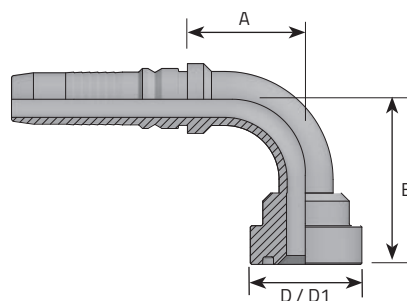


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF90S1212I	-12	3/4"	19		3/4"	41.3	67	54.7	420	6091
KF90S1216I	-12	3/4"	19		1"	47.6	73	54.7	420	6091
KF90S1616I	-16	1"	25.4		1"	47.6	75	70.6	415	6019
KF90S1620I	-16	1"	25.4		1.1/4"	54	80	74.6	415	6019
KF90S2020I	-20	1.1/4"	31.8		1.1/4"	54	97	87.7	415	6019
KF90S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	99	87.7	415	6019
KF90S2424I	-24	1.1/2"	38.1		1.1/2"	63.5	113	99.5	345	5004

## INTERLOCK SUPERCAT FLANGE - 90° ELBOW (LONG DROP)

FLANGIA 90° SUPERCAT  
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA A 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

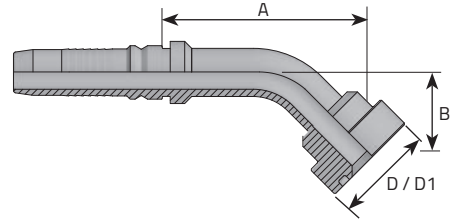


Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF90S1212ILD	-12	3/4"	19		3/4"	41.3	105.4	54.7	420	6091
KF90S1216ILD	-12	3/4"	19		1"	47.6	144.8	54.7	420	6091
KF90S1616ILD	-16	1"	25.4		1"	47.6	124.8	70.6	415	6019
KF90S2020ILD	-20	1.1/4"	31.8		1.1/4"	54	124	87.7	415	6019
KF90S2424ILD	-24	1.1/2"	38.1		1.1/2"	63.5	141.7	99.5	345	5004

## INTERLOCK SUPERCAT FLANGE 45° ELBOW

FLANGIA 45° SUPERCAT  
 BRIDE 45° SUPERCAT (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA A 45° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



Code	Tube			Thread	Dimensions				Pressure	
	D.N.	Hose	Diam		D	D1	B	A	Bar	Psi
	Inch		mm	Inch	mm	mm	mm			
KF45S1212I	-12	3/4"	19		3/4"	41.3	39	71.7	420	6091
KF45S1216I	-12	3/4"	19		1"	47.6	43	75.7	420	6091
KF45S1616I	-16	1"	25.4		1"	47.6	40	91.6	415	6019
KF45S1620I	-16	1"	25.4		1.1/4"	54	43	94.6	415	6019
KF45S2020I	-20	1.1/4"	31.8		1.1/4"	54	50	105.7	415	6019
KF45S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	51	106.7	415	6019
KF45S2424I	-24	1.1/2"	38.1		1.1/2"	63.5	49	118.5	345	5004



# Waterblast

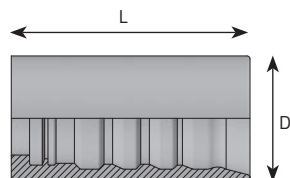
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## FERRULE FOR WATERBLAST 4 SPIRAL HOSE

BOCCOLA PER TUBO WATERBLAST A 4 SPIRALI  
 JUPE POUR WATERBLAST  
 PRESSHÜLSE WATERBLAST  
 CASQUILLO PARA WATERBLAST (4 ESPIRALES)

Double skive - Doppia pelatura - Double dénudable -  
 Schaelfassung - Doble peladura

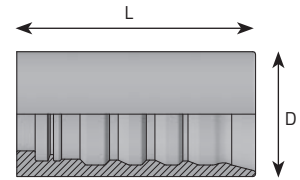


Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
WB4-06	-6	3/8"	9.5		30	57.5	
WB4-08	-8	1/2"	12.8		34	65	
WB4-12	-12	3/4"	19		45	69	
WB4-16	-16	1"	25.4		48	66.5	

## FERRULE FOR WATERBLAST 6 SPIRAL HOSE

BOCCOLA PER TUBO WATERBLAST A 6 SPIRALI  
 JUPE POUR WATERBLAST  
 PRESSHÜLSE WATERBLAST  
 CASQUILLO PARA WATERBLAST (6 ESPIRALES)

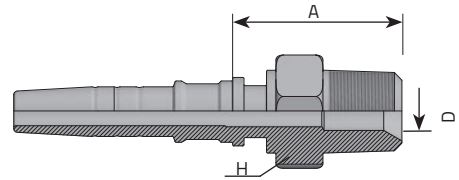
Double skive - Doppia pelatura - Double dénudable -  
 Schaelfassung - Doble peladura



Code	Tube			Thread	Dimensions		Pressure
	D.N.	Hose	Diam		D	L	
		Inch	mm		mm	mm	
WB6-08	-8	1/2"	12.8		38	64.5	
WB6-12	-12	3/4"	19		48	69	

## INTERLOCK NPTF MALE FOR WATERBLAST HOSE

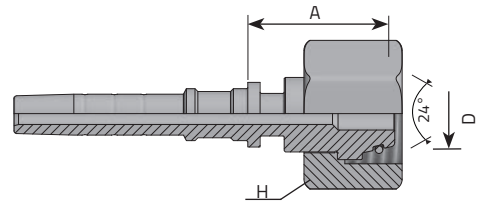
MASCHIO NPTF SV 60° SAE J516 PER TUBO WATERBLAST  
 MÂLE NPTF CÔNE 60° POUR WATERBLAST  
 AGN 60° INNENKONUS (NPTF) FÜR WATERBLAST  
 MACHO NPTF CONO 60° PARA WATERBLAST



Code	Tube			Thread		Dimensions			Pressure	
	D.N.	Hose	Diam	T	t/1"	H	A	D	Bar	Psi
	Inch		mm	Inch		mm	mm	mm		
KMNPTF0606WB	-6	3/8"	9.5	3/8"	18	22	38	8.5		
KMNPTF0808WB	-8	1/2"	12.8	1/2"	14	27	44.6	10		
KMNPTF1212WB	-12	3/4"	19	3/4"	14	32	49.4	15		
KMNPTF1616WB	-16	1"	25.4	1"	11.5	36	44.4	20.5		

## INTERLOCK METRIC FEMALE FOR WATERBLAST HOSE

FEMMINA DIRITTA METRICA SERIE PESANTE DIN 3865 PER TUBO WATERBLAST  
 FEMELLE DROIT MÉTRIQUE SÉRIE S POUR WATERBLAST  
 DKM 24° KONUS – SERIE S FÜR WATERBLAST  
 HEMBRA MÉTRICA CONO 24° SERIE S PARA WATERBLAST



Code	Tube		Thread		Dimensions			Pressure		
	D.N.	Hose	Diam	T	t/1"	H	A	D	Bar	Psi
	Inch		mm	mm		mm	mm	mm		
KFE0622S14WB	-6	3/8"	9.5	M22 x 1.5	14	27	32	4.8		
KFE0624S16WB	-6	3/8"	9.5	M24 x 1.5	16	32	34.2	6.3		
KFE0824S16WB	-8	1/2"	12.8	M24 x 1.5	16	32	35.4	6.3		
KFE1236S25WB	-12	3/4"	19	M36 x 2	25	46	44.7	12		
KFE1642S30WB	-16	1"	25.4	M42 x 2	30	50	40	20.5		



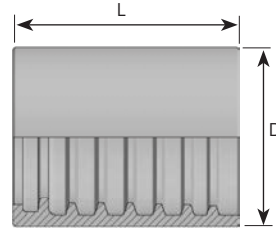
# HyperSpiral

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## FERRULE FOR SPIRAL HOSE

BOCCOLA PER TUBO SPIRALATO  
 JUPE POUR  
 PRESSHÜLSE  
 CASQUILLO PARA

No skive - Senza pelatura - Non-dénudable -  
 Nichtschaelfassung - Sin pelar

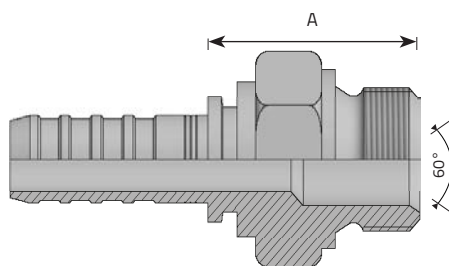


Code	Tube		Thread	Dimensions		Pressure
	D.N.	Hose		Diam	D	
		Inch	mm	mm	mm	
HB4NS06	-6	3/8"	9.5	33	43.9	
HB4NS08	-8	1/2"	12.8	36	45.5	
HB4NS10	-10	5/8"	16	42	50.3	
HB4NS12	-12	3/4"	19	45	55.2	
HB4NS16	-16	1"	25.4	54	68.3	
HB4NS20	-20	1.1/4"	31.8	64	75.2	
* HB6NS20	-20	1.1/4"	31.8	68	75.2	

\* **FOR HOSE 4SP - R13 - R15**  
**PER TUBO 4SP - R13 - R15**

## BSPP MALE - 60° CONE

MASCHIO BSPP SV 60°  
**MÂLE BSPP CÔNE 60°**  
 AGR 60° INNENKONUS (BSPP GEWINDE)  
 MACHO FIJO BSPP CONO 60°



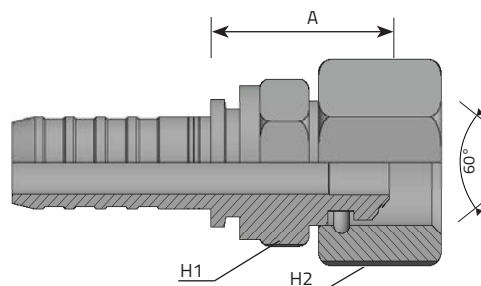
Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch	mm	Inch	mm	mm	mm	mm	
HMG0606	-6	3/8"	9.5	3/8"	19	22	33.5	
<b>HMG0608</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>36</b>	
HMG0806	-8	1/2"	12.8	3/8"	19	27	33.5	
<b>HMG0808</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>1/2"</b>	<b>14</b>	<b>27</b>	<b>36</b>	
HMG0810	-8	1/2"	12.8	5/8"	14	30	38	
<b>HMG0812</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>3/4"</b>	<b>14</b>	<b>32</b>	<b>33.5</b>	
HMG1010	-10	5/8"	16	5/8"	14	32	39	
<b>HMG1012</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>3/4"</b>	<b>14</b>	<b>32</b>	<b>39</b>	
HMG1016	-10	5/8"	16	1"	11	38	42.5	
<b>HMG1208</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>1/2"</b>	<b>14</b>	<b>34</b>	<b>37</b>	
HMG1210	-12	3/4"	19	5/8"	14	34	39Z	
<b>HMG1212</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>	<b>3/4"</b>	<b>14</b>	<b>34</b>	<b>39</b>	
HMG1216	-12	3/4"	19	1"	11	38	42.5	
<b>HMG1612</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>1"</b>	<b>11</b>	<b>42</b>	<b>41</b>	
HMG1616	-16	1"	25.4	1"	11	42	42.5	
<b>HMG1620</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>	<b>1.1/4"</b>	<b>11</b>	<b>50</b>	<b>44</b>	
HMG2020	-20	1.1/4"	31.8	1.1/4"	11	50	50.2	
<b>HMG2024</b>	<b>-20</b>	<b>1.1/4"</b>	<b>31.8</b>	<b>1.1/2"</b>	<b>11</b>	<b>55</b>	<b>51.2</b>	



## BSPP FEMALE - 60° CONE THRUST-WIRE NUT

FEMMINA DIRITTA BSPP SV 60° DADO SPINATO CON O-RING  
FEMELLE DROITE BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
DKOR 60° KONUS MIT O-RING (BSPP- GEWINDE) + GESTIFTETE  
ÜBERWURFMUTTER  
HEMBRA GIRATORIA RECTA BSPP CON O-RING CONO 60°  
(TUERCA CON SEGURO)

\* : without o-ring / senza o-ring

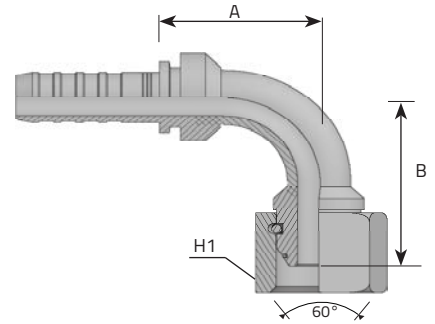


Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	t/1"	H1	H2	A	
		Inch	mm	Inch		mm	mm		
* HFDG0606SP	-6	3/8"	9.5	3/8"	19	22	22	32	
* HFDG0608SP	-6	3/8"	9.5	1/2"	14	22	27	33	
* HFDG0806SP	-8	1/2"	12.8	3/8"	19	27	22	32	
* HFDG0808SP	-8	1/2"	12.8	1/2"	14	27	27	33	
* HFDG0810SP	-8	1/2"	12.8	5/8"	14	-	-	-	
HFDG0812SP	-8	1/2"	12.8	3/4"	14	27	32	37	
* HFDG1008SP	-10	5/8"	16	1/2"	14	32	27	34	
HFDG1010SP	-10	5/8"	16	5/8"	14	-	-	-	
HFDG1012SP	-10	5/8"	16	3/4"	14	32	32	38	
* HFDG1208SP	-12	3/4"	19	1/2"	14	34	27	34	
HFDG1212SP	-12	3/4"	19	3/4"	14	34	32	38	
HFDG1216SP	-12	3/4"	19	1"	11	34	41	38	
HFDG1612SP	-16	1"	25.4	3/4"	14	42	32	40	
HFDG1616SP	-16	1"	25.4	1"	11	42	41	40	
HFDG1620SP	-16	1"	25.4	1.1/4"	11	42	50	41.5	
HFDG2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	50	47.7	
HFDG2024SP	-20	1.1/4"	31.8	1.1/2"	11	50	55	49.7	

## BSPB FEMALE 90° ELBOW THRUST-WIRE NUT

FEMMINA 90° BSPB SV60° DADO SPINATO CON O-RING  
 FEMELLE 90° BSPB AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 90° BOGEN 60° KONUS MIT O-RING (BSPB-GEWINDE) +  
 GESTIFTETE  
 HEMBRA GIRATORIA A 90° BSPB CON O-RING (TUERCA CON SEGURO)

\* : without o-ring / senza o-ring

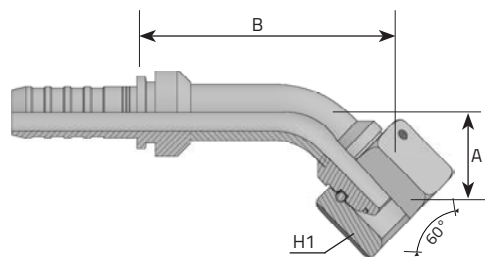


Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	t/1"	H1	B	A	
	Inch		mm	Inch		mm	mm	mm	
* HF90G0606SP	-6	3/8"	9.5	3/8"	19	22	41,0	39,0	
* HF90G0608SP	-6	3/8"	9.5	1/2"	14	27	42,5	39,0	
* HF90G0806SP	-8	1/2"	12.8	3/8"	19	22	43,0	43,5	
* HF90G0808SP	-8	1/2"	12.8	1/2"	14	27	46,0	43,5	
HF90G0812SP	-8	1/2"	12.8	3/4"	14	27	51,5	43,5	
* HF90G1008SP	-10	5/8"	16	1/2"	14	32	57,0	55,5	
HF90G1012SP	-10	5/8"	16	3/4"	14	32	56,5	55,5	
* HF90G1208SP	-12	3/4"	19	1/2"	14	27	57,0	59,0	
HF90G1212SP	-12	3/4"	19	3/4"	14	32	61,0	59,0	
HF90G1216SP	-12	3/4"	19	1"	11	34	66,5	59,0	
HF90G1612SP	-16	1"	25.4	3/4"	14	42	71,5	74,0	
HF90G1616SP	-16	1"	25.4	1"	11	42	75,0	78,5	
HF90G1620SP	-16	1"	25.4	1.1/4"	11	42	79,5	78,5	
HF90G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	92,5	96,7	
HF90G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	97,5	96,7	

## **BSPP FEMALE 45° ELBOW THRUST-WIRE NUT**

FEMMINA 45° BSPP SV60° DADO SPINATO CON O-RING  
 FEMELLE 45° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)  
 DKOR 45° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) +  
 GESTIFTETE  
 HEMBRA GIRATORIA A 45° BSPP CON O-RING (TUERCA CON SEGURO)

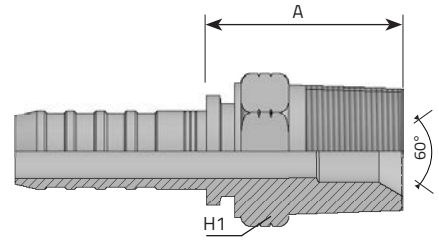
\* : without o-ring / senza o-ring



Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	B	
	Inch		mm	Inch		mm	mm	mm	
* HF45G0606SP	-6	3/8"	9.5	3/8"	19	22	22,1	63,1	
* HF45G0608SP	-6	3/8"	9.5	1/2"	14	27	24,4	65,4	
* HF45G0806SP	-8	1/2"	12.8	3/4"	14	22	20,0	67,5	
* HF45G0808SP	-8	1/2"	12.8	1/2"	14	27	23,7	70,2	
HF45G0812SP	-8	1/2"	12.8	3/4"	14	27	21,4	70,9	
* HF45G1008SP	-10	5/8"	16	1/2"	14	32	26,1	70,6	
HF45G1012SP	-10	5/8"	16	3/4"	14	32	26,4	70,9	
* HF45G1208SP	-12	3/4"	19	1/2"	14	27	28,7	68,2	
HF45G1212SP	-12	3/4"	19	3/4"	14	32	30,4	69,9	
HF45G1216SP	-12	3/4"	19	1"	11	-	32,1	71,6	
HF45G1612SP	-16	1"	25.4	3/4"	14	42	38,6	93,1	
HF45G1616SP	-16	1"	25.4	1"	11	42	43,1	97,6	
HF45G1620SP	-16	1"	25.4	1.1/4"	11	42	43,6	98,1	
HF45G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	43,6	117,3	
HF45G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	44,3	117,0	

## NPTF MALE

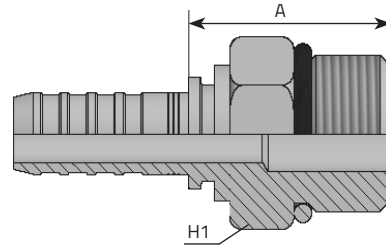
MASCHIO NPTF SV 60°  
 MÂLE NPTF CÔNE 60°  
 AGN 60° INNENKONUS (NPTF)  
 MACHO NPTF CONO 60°



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch		mm	Inch		mm	mm	
HMNPTF0606	-6	3/8"	9.5	3/8"	18	22	33.2	
HMNPTF0608	-6	3/8"	9.5	1/2"	14	22	39	
HMNPTF0808	-8	1/2"	12.8	1/2"	14	27	38	
HMNPTF0812	-8	1/2"	12.8	3/4"	14	30	38	
HMNPTF1008	-10	5/8"	16	1/2"	14	32	39	
HMNPTF1012	-10	5/8"	16	3/4"	14	32	39	
HMNPTF1212	-12	3/4"	19	3/4"	14	34	39	
HMNPTF1216	-12	3/4"	19	1"	11.5	36	45.9	
HMNPTF1612	-16	1"	25.4	3/4"	14	42	41	
HMNPTF1616	-16	1"	25.4	1"	11.5	42	49.5	
HMNPTF1620	-16	1"	25.4	1.1/4"	11.5	46	49.6	
HMNPTF2020	-20	1.1/4"	31.8	1.1/4"	11.5	50	52.8	

## O-RING BOSS MALE

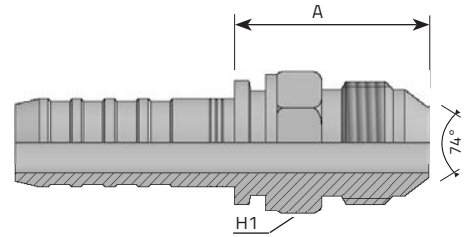
MASCHIO O-RING BOSS  
 MÂLE O-RING BOSS  
 SAE AUSSERGEWINDE O-RING BOSS  
 MACHO FIJO O-RING BOSS (E)



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch		mm	Inch		mm	mm	
HMOB0606	-6	3/8"	9.5	9/16"	18	22	31	
HMOB0608	-6	3/8"	9.5	3/4"	16	22	33	
HMOB0610	-6	3/8"	9.5	7/8"	14	21	36	
HMOB0808	-8	1/2"	12.8	3/4"	16	27	33	
HMOB0810	-8	1/2"	12.8	7/8"	14	27	35	
HMOB0812	-8	1/2"	12.8	1.1/16"	12	32	37.5	
HMOB1008	-10	5/8"	16	3/4"	16	32	34.0	
HMOB1010	-10	5/8"	16	7/8"	14	32	36.0	
HMOB1012	-10	5/8"	16	1.1/16"	12	32	38.5	
HMOB1212	-12	3/4"	19	1.1/16"	12	34	38.5	
HMOB1216	-12	3/4"	19	1.5/16"	12	38	42.5	
HMOB1616	-16	1"	25.4	1.5/16"	12	42	40.5	
HMOB1620	-16	1"	25.4	1.5/8"	12	46	43.5	
HMOB2020	-20	1.1/4"	31.8	1.5/8"	12	50	46.7	

## JIC 37° MALE

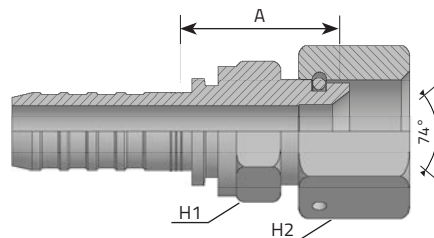
MASCHIO JIC SV 37°  
 MÂLE JIC CÔNE 37°  
 AGJ 37° JIC AUSSENKONUS (UNF – GEWINDE)  
 MACHO JIC CONO 37°(E)



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch	mm	Inch		mm	mm		
HMJ0606	-6	3/8"	9.5	9/16"	18	22	33	
<b>HMJ0608</b>	<b>-6</b>	<b>3/8"</b>	<b>9.5</b>	<b>3/4"</b>	<b>16</b>	<b>22</b>	<b>35.5</b>	
HMJ0610	-6	3/8"	9.5	7/8"	14	24	38.5	
<b>HMJ0808</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>	<b>3/4"</b>	<b>16</b>	<b>27</b>	<b>35.5</b>	
HMJ0810	-8	1/2"	12.8	7/8"	14	27	38.5	
<b>HMJ1010</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>	<b>7/8"</b>	<b>14</b>	<b>32</b>	<b>39.5</b>	
HMJ1012	16	5/8"	10	1.1/16"	12	32	42	
<b>HMJ1210</b>	<b>20</b>	<b>3/4"</b>	<b>12</b>	<b>7/8"</b>	<b>14</b>	<b>34</b>	<b>39.5</b>	
HMJ1212	20	3/4"	12	1.1/16"	12	34	42	
<b>HMJ1214</b>	<b>20</b>	<b>3/4"</b>	<b>12</b>	<b>1.3/16"</b>	<b>12</b>	<b>34</b>	<b>43</b>	
HMJ1216	20	3/4"	12	1.5/16"	12	34	43	
<b>HMJ1612</b>	<b>25</b>	<b>1"</b>	<b>16</b>	<b>1.1/16"</b>	<b>12</b>	<b>42</b>	<b>44</b>	
HMJ1616	25	1"	16	1.5/16"	12	42	45	
<b>HMJ1620</b>	<b>25</b>	<b>1"</b>	<b>16</b>	<b>1.5/8"</b>	<b>12</b>	<b>42</b>	<b>46.5</b>	
HMJ2020	32	1.1/4"	20	1.5/8"	12	50	52.7	
<b>HMJ2024</b>	<b>40</b>	<b>1.1/4"</b>	<b>20</b>	<b>1.7/8"</b>	<b>12</b>	<b>50</b>	<b>57.2</b>	

## JIC 37° FEMALE THRUST WIRE NUT

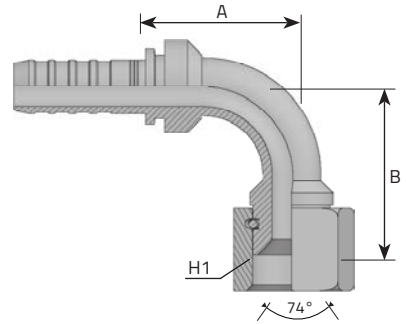
FEMMINA DIRITTA JIC SV 37° DADO SPINATO  
 FEMELLE DROIT JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 37° JIC DICHTKOPF (UNF-GEWINDE) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	H2	A	
	Inch	mm	Inch		mm	mm	mm		
HFDJ0606SP	-6	3/8"	9.5	9/16"	18	22	19	29	
HFDJ0608SP	-6	3/8"	9.5	3/4"	16	22	24	30	
HFDJ0610SP	-6	3/8"	9.5	7/8"	14	22	27	33.4	
HFDJ0808SP	-8	1/2"	12.8	3/4"	16	27	24	30	
HFDJ0810SP	-8	1/2"	12.8	7/8"	14	27	27	30.4	
HFDJ0812SP	-8	1/2"	12.8	1.1/16"	12	27	32	33	
HFDJ1010SP	-10	5/8"	16	7/8"	14	32	27	31.4	
HFDJ1012SP	-10	5/8"	16	1.1/16"	12	32	32	34	
HFDJ1210SP	-12	3/4"	19	7/8"	14	34	27	31.4	
HFDJ1212SP	-12	3/4"	19	1.1/16"	12	34	32	34	
HFDJ1214SP	-12	3/4"	19	1.3/16"	12	-	-	-	
HFDJ1216SP	-12	3/4"	19	1.5/16"	12	34	41	34	
HFDJ1612SP	-16	1"	25.4	1.1/16"	12	42	32	36	
HFDJ1614SP	-16	1"	25.4	1.3/16"	12	-	-	-	
HFDJ1616SP	-16	1"	25.4	1.5/16"	12	42	41	36	
HFDJ1620SP	-16	1"	25.4	1.5/8"	12	42	50	40	
HFDJ2016SP	-20	1.1/4"	31.8	1.5/16"	12	50	41	41.2	
HFDJ2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	50	46.2	
HFDJ2024SP	-20	1.1/4"	31.8	1.7/8"	12	50	55	48.2	

## JIC 37° FEMALE - 90° ELBOW THRUST WIRE NUT

FEMMINA 90° JIC SV 37° CON DADO SPINATO  
 FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CODO 90° CONO 37° (TUERCA CON SEGURO)

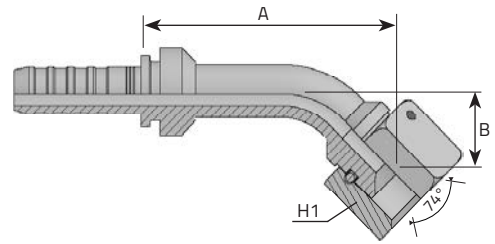


Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	B	
	Inch	mm	Inch		mm	mm	mm	
HF90J0606SP	-6	3/8"	9.5	9/16"	18	19	37,0	39,0
HF90J0608SP	-6	3/8"	9.5	3/4"	16	24	37,5	39,0
HF90J0610SP	-6	3/8"	9.5	7/8"	14	27	47,0	39,0
HF90J0808SP	-8	1/2"	12.8	3/4"	16	24	41,5	43,5
HF90J0810SP	-8	1/2"	12.8	7/8"	14	27	43,0	43,5
HF90J0812SP	-8	1/2"	12.8	1.1/16"	12	32	50,0	43,5
HF90J1010SP	-10	5/8"	16	7/8"	14	27	50,5	55,5
HF90J1012SP	-10	5/8"	16	1.1/16"	12	32	56,0	55,5
HF90J1210SP	-12	3/4"	19	7/8"	14	27	63,6	59,0
HF90J1212SP	-12	3/4"	19	1.1/16"	12	32	60,5	59,0
HF90J1216SP	-12	3/4"	19	1.5/16"	12	41	65,0	59,0
HF90J1612SP	-16	1"	25.4	1.1/16"	12	32	79,5	74,5
HF90J1616SP	-16	1"	25.4	1.5/16"	12	41	69,0	78,5
HF90J1620SP	-20	1"	31.8	1.5/8"	12	50	77,5	78,5
HF90J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	90,5	96,7
HF90J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	98,0	96,7



## JIC 37° FEMALE - 45° ELBOW THRUST WIRE NUT

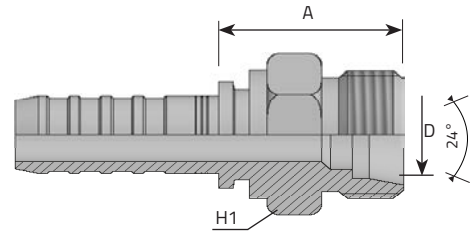
FEMMINA 45° JIC SV 37° CON DADO SPINATO  
 FEMELLE 45° JIC CÔNE 37° (ÉCROU À JONC)  
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE  
 ÜBERWURFMUTTER  
 HEMBRA GIRATORIA JIC CODO 45° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	t/1"	H1	B	A	
	Inch	mm	Inch	mm	mm	mm	mm	mm	
HF45J0606SP	-6	3/8"	9.5	9/16"	18	19	19,4	60,4	
HF34J0608SP	-6	3/8"	9.5	3/4"	16	24	19,7	60,7	
HF45J0610SP	-6	3/8"	9.5	7/8"	14	27	26,3	67,3	
HF45J0808SP	-8	1/2"	12.8	3/4"	16	24	20,4	66,9	
HF45J0810SP	-8	1/2"	12.8	7/8"	14	27	21,4	67,9	
HF45J0812SP	-8	1/2"	12.8	1.1/16"	12	32	22,0	68,5	
HF45J1010SP	-10	5/8"	16	7/8"	14	27	22,4	66,9	
HF45J1012SP	-10	5/8"	16	1.1/16"	12	32	25,7	70,2	
HF45J1210SP	-12	3/4"	19	7/8"	14	27	33,0	71,5	
HF45J1212SP	-12	3/4"	19	1.1/16"	12	32	30,8	69,3	
HF45J1216SP	-12	3/4"	19	1.5/16"	12	41	30,8	70,3	
HF45J1612SP	-16	1"	25.4	1.1/16"	12	32	39,1	105,1	
HF45J1616SP	-16	1"	25.4	1.5/16"	12	41	39,1	93,6	
HF45J1620SP	-20	1"	31.8	1.5/8"	12	50	37,8	94,3	
HF45J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	43,3	108,0	
HF45J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	44,3	110,0	

## METRIC MALE 24° CONE - L TYPE

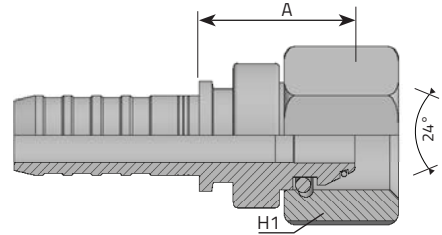
MASCHIO METRICO 24° DKOL  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE L  
 CEL 24° KONUS METRISCH  
 MACHO MÉTRICO CONO 24° - SERIE L



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	D	H1	A	
	Inch		mm	mm	mm	mm	mm	
HME0616L10	-6	3/8"	9.5	M16x 1.5	10	22	30.2	
HME0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	30.2	
HME0622L15	-6	3/8"	9.5	M22 x 1.5	15	24	32	
HME0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	30	
HME0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	31	
HME0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	31	
HME1026L18	-10	5/8"	16	M26 x 1.5	18	32	32	
HME1030L22	-10	5/8"	16	M30 x 2	22	32	33.5	
HME1226L18	-12	3/4"	19	M26 x 1.5	18	34	32.0	
HME1230L22	-12	3/4"	19	M30 x 2	22	34	33.5	
HME1636L28	-16	1"	25.4	M36 x 2	28	42	36.0	
HME2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	44.2	

## METRIC FEMALE 24° CONE - L TYPE

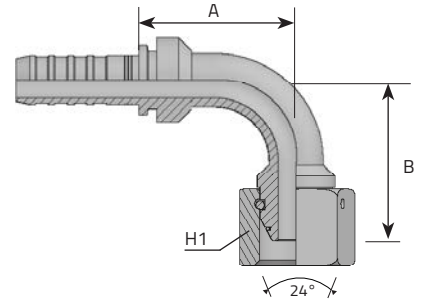
FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA MÉTRICA CON O-RING CONO 24° - SERIE L



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	D	H1	A	
		Inch	mm	mm	mm	mm	mm	
HFE0616L10	-6	3/8"	9.5	M16 x 1.5	10	22	36.2	
HFE0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	36.5	
HFE0622L15	-6	3/8"	9.5	M18 x 1.5	15	27	39.9	
HFE0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	36.5	
HFE0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	39.9	
HFE0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	38.7	
HFE1026L18	-10	5/8"	16	M26 x 1.5	18	32	39.7	
HFE1030L22	-10	5/8"	16	M30 x 2	22	32	42.6	
HFE1226L18	-12	3/4"	19	M26 x 1.5	18	34	39.7	
HFE1230L22	-12	3/4"	19	M30 x 2	22	34	42.6	
HFE1236L28	-12	3/4"	19	M36 x 2	28	34	46	
HFE1636L28	-16	1"	25.4	M36 x 2	28	42	46	
HFE2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	54.3	

## METRIC FEMALE 24° CONE - 90° ELBOW L TYPE

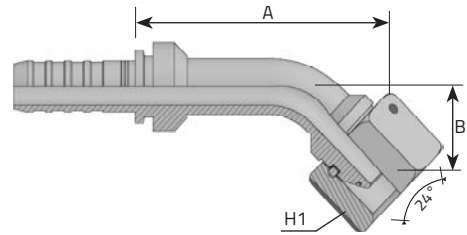
FEMMINA 90° METRICA DKOL CON O-RING 24°  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA GIRATORIA A 90° MÉTRICA CON O-RING CONO 24° - SERIE L



Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	D	H1	B	A	
	Inch		mm	mm	mm	mm	mm	mm	
HF90E0616L10	-6	3/8"	9.5	M16x 1.5	10	22	39,2	39,0	
HF90E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	44,3	41,8	
HF90E0622L15	-6	3/8"	9.5	M22 x 1.5	15	22	49,5	40,3	
HF90E0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	50,0	43,5	
HF90E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	52,0	45,1	
HF90E0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	52,8	44,7	
HF90E1026L18	-10	5/8"	16	M26 x 1.5	18	32	56,8	56,1	
HF90E1030L22	-10	5/8"	16	M30 x 2	22	32	61,7	55,4	
HF90E1226L18	-12	3/4"	19	M26 x 1.5	18	34	63,4	59,0	
HF90E1230L22	-12	3/4"	19	M30 x 2	22	34	65,2	62,1	
HF90E1236L28	-12	3/4"	19	M36 x 2	28	34	66,6	62,1	
HF90E1636L28	-16	1"	25.4	M36 x 2	28	42	84,1	76,6	
HF90E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	97,7	100,3	

## METRIC FEMALE 24° CONE -45° ELBOW L TYPE

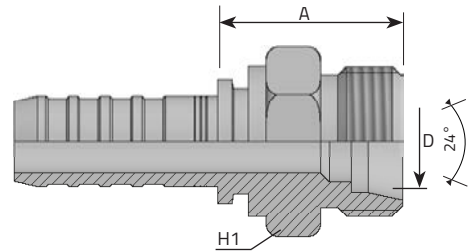
FEMMINA 45° METRICA O-RING 24° DKOL CON O-RING  
FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L  
DKO-L 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE L



Code	Tube			Thread	Dimensions				Pressure
	D.N.	Hose	Diam		D	H1	B	A	
		Inch	mm	mm	mm	mm	mm	mm	
HF45E0616L10	-6	3/8"	9.5	M16x 1.5	10	22	20,8	61,8	
HF45E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	21,8	68,1	
HF45E0622L15	-6	3/8"	9.5	M22 x 1.5	15	22	24,3	70,6	
HF45E0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	27,7	70,2	
HF45E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	27,6	75,2	
HF45E0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	30,4	74,6	
HF45E1026L18	-10	5/8"	16	M26 x 1.5	18	32	32,4	73,5	
HF45E1030L22	-10	5/8"	16	M30 x 2	22	32	36,2	76,5	
HF45E1226L18	-12	3/4"	19	M26 x 1.5	18	34	33,4	68,4	
HF45E1230L22	-12	3/4"	19	M30 x 2	22	34	33,9	75,5	
HF45E1236L28	-12	3/4"	19	M36 x 2	28	34	34,8	97,9	
HF45E1636L28	-16	1"	25.4	M36 x 2	28	42	46,7	97,3	
HF45E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	42,9	120,7	

## METRIC MALE 24° CONE S TYPE

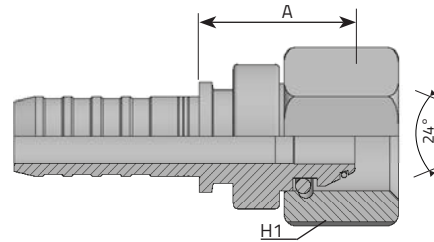
MASCHIO METRICO 24° DKOS  
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE S  
 CES METRISCH 24° KONUS  
 MACHO MÉTRICO CONO 24° - SERIE S



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	D	H1	A	
	Inch		mm	mm	mm	mm	mm	
HME0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	30.2	
HME0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	31	
HME0622S14	-6	3/8"	9.5	M22 x 1.5	14	24	34.5	
HME0822S16	-8	1/2"	12.8	M22 x 1.5	16	27	33.5	
HME0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	33.5	
HME1030S20	-10	5/8"	16	M30 x 2	20	32	35.5	
HME1230S20	-12	3/4"	19	M30 x 2	20	34	36	
HME1236S25	-12	3/4"	19	M36 x 2	25	38	40	
HME1242S30	-12	3/4"	19	M42 x 2	30	46	45.0	
HME1636S25	-16	1"	25.4	M36 x 2	25	42	40	
HME1642S30	-16	1"	25.4	M42 x 2	30	46	45	
HME2052S38	-20	1.1/4"	31.8	M52 x 2	38	55	49.2	

## METRIC FEMALE 24° CONE S TYPE

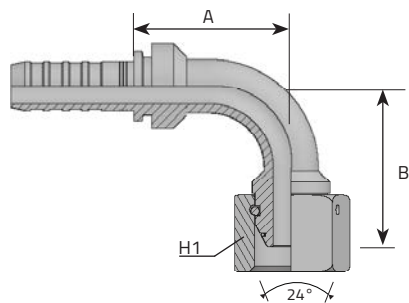
FEMMINA DIRITTA METRICA O-RING 24° DKOS  
 FEMELLE DROIT MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA CONO 24° CON O-RING - SERIE S



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	D	H1	A	
	Inch		mm	mm	mm	mm	mm	
HFE0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	36.5	
HFE0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	38.5	
HFE0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	39.2	
HFE0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	39.2	
HFE0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	39.7	
HFE0830S20	-8	1/2"	12.8	M30 x 2	20	27	41.5	
HFE1030S20	-10	5/8"	16	M30 x 2	20	32	42.5	
HFE1036S25	-10	5/8"	16	M36 x 2	25	32	44.7	
HFE1230S20	-12	3/4"	9.5	M30 x 2	20	34	42.5	
HFE1236S25	-12	3/4"	19	M36 x 2	25	34	44.7	
HFE1242S30	-12	3/4"	19	M42 x 2	30	42	49	
HFE1636S25	-16	1"	25.4	M36 x 2	25	42	46.7	
HFE1642S30	-16	1"	25.4	M42 x 2	30	42	49	
HFE2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	55.2	
HFE2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	59.2	

## METRIC FEMALE 24° CONE - 90° ELBOW - S TYPE

FEMMINA 90° METRICA O-RING 24° DKOS  
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S

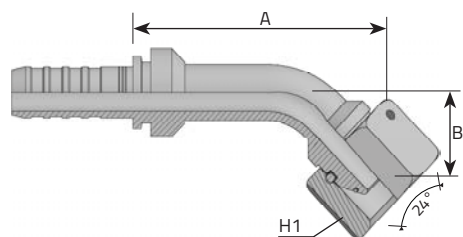


Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	D	H1	B	A	
	Inch		mm	mm	mm	mm	mm	mm	
HF90E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	39,2	40,3	
HF90E0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	46,3	41,8	
HF90E0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	49,0	40,3	
HF90E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	49,8	44,6	
HF90E0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	52,9	44,2	
HF90E0830S20	-8	1/2"	12.8	M30 x 2	20	27	57,0	44,2	
HF90E1030S20	-10	5/8"	16	M30 x 2	20	32	63,6	55,4	
HF90E1036S25	-10	5/8"	16	M36 x 2	25	32	68,8	55,4	
HF90E1230S20	-12	3/4"	19	M30 x 2	20	34	67,6	62,1	
HF90E1236S25	-12	3/4"	19	M36 x 2	25	34	69,3	62,1	
HF90E1636S25	-16	1"	25.4	M36 x 2	25	42	81,2	78,6	
HF90E1642S30	-16	1"	25.4	M42 x 2	30	42	89,6	78,6	
HF90E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	96,1	100,3	
HF90E2052S38	-20	1.1/4"	31.8	M52 x 2	38	50	98,9	100,2	



## METRIC FEMALE 24° CONE - 45° ELBOW - S TYPE

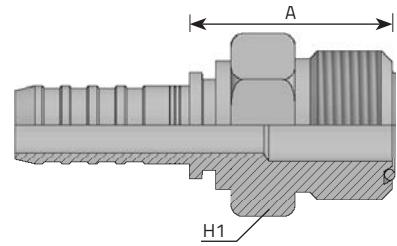
FEMMINA 45° METRICA O-RING 24° DKOS  
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S  
 DKO-S 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS  
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE S



Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	D	H1	B	A	
		Inch	mm	mm	mm	mm	mm	mm	
HF45E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	20,8	63,1	
HF45E0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	23,2	69,5	
HF45E0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	23,9	70,2	
HF45E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	26,1	74,1	
HF45E0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	27,5	76,7	
HF45E0830S20	-8	1/2"	12.8	M30 x 2	20	27	27,4	75,1	
HF45E1030S20	-10	5/8"	16	M30 x 2	20	32	31,4	76,7	
HF45E1036S25	-10	5/8"	16	M36 x 2	25	32	32,9	79,7	
HF45E1230S20	-12	3/4"	19	M30 x 2	20	34	33,1	75,7	
HF45E1236S25	-12	3/4"	19	M36 x 2	25	34	35,2	82,8	
HF45E1636S25	-16	1"	25.4	M36 x 2	25	42	42,4	98,5	
HF45E1642S30	-16	1"	25.4	M42 x 2	30	42	48,3	104,9	
HF45E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	42,1	119,9	
HF45E2052S38	-20	1.1/4"	31.8	M52 x 2	38	50	44,1	121,8	

## ORFS MALE

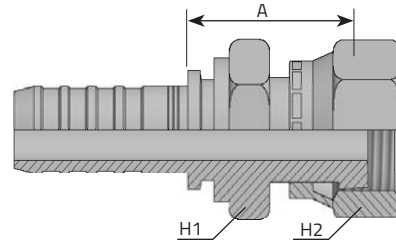
MASCHIO ORFS  
 MÂLE ORFS  
 AGF ORFS STIRNDICHTEND  
 MACHO ORFS



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch		mm	Inch		mm	mm	
HMORFS0609	-6	3/8"	9.5	11/16"	16	22	31.5	
HMORFS0611	-6	3/8"	9.5	13/16"	16	22	32.5	
HMORFS0613	-6	3/8"	9.5	1"	14	27	36.5	
HMORFS0811	-8	1/2"	12.8	13/16"	16	27	32.5	
HMORFS0813	-8	1/2"	12.8	1"	16	27	35.5	
HMORFS0814	-8	1/2"	12.8	1.3/16"	16	32	37.0	
HMORFS1013	-10	5/8"	16	1"	14	32	36.5	
HMORFS1014	-10	5/8"	16	1.3/16"	16	32	38.0	
HMORFS1214	-12	3/4"	19	1.3/16"	16	34	38.0	
HMORFS1215	-12	3/4"	19	1.7/16"	12	41	41.5	
HMORFS1615	-16	1"	25.4	1.7/16"	12	42	41.5	
HMORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	45.7	

## ORFS FEMALE (DOUBLE HEXAGON)

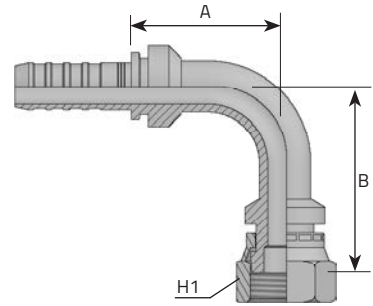
FEMMINA DIRITTA ORFS DOPPIO ESAGONO  
 FEMELLE DROIT ORFS  
 ORFS – UNF GEWINDE  
 HEMBRA GIRATORIA RECTA ORFS - DOBLE HEXAGONO



Code	Tube		Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	H2	
	Inch		mm	Inch		mm	mm	mm
HFORFS0606GIR	-6	3/8"	9.5	9/16"	18	22	17	36.5
HFORFS0609GIR	-6	3/8"	9.5	11/16"	16	22	22	39
HFORFS0611GIR	-6	3/8"	9.5	13/16"	16	22	24	44.5
HFORFS0809GIR	-8	1/2"	12.8	11/16"	16	27	22	39
HFORFS0811GIR	-8	1/2"	12.8	13/16"	16	27	24	44
HFORFS0813GIR	-8	1/2"	12.8	1"	14	27	30	44
HFORFS0814GIR	-8	1/2"	12.8	1.3/16"	16	30	36	45.5
HFORFS1013GIR	-10	5/8"	16	1"	14	32	30	45
HFORFS1014GIR	-10	5/8"	16	1.3/16"	16	32	36	46.5
HFORFS1213GIR	-12	3/4"	19	1"	14	34	30	45
HFORFS1214GIR	-12	3/4"	19	1.3/16"	16	34	36	46.5
HFORFS1215GIR	-12	3/4"	19	1.7/16"	12	36	41	47
HFORFS1221GIR	-12	3/4"	19	1.11/16"	12	41	50	51
HFORFS1614GIR	-16	1"	25.4	1.3/16"	16	42	36	48.5
HFORFS1615GIR	-16	1"	25.4	1.7/16"	12	42	41	49
HFORFS1621GIR	-16	1"	25.4	1.11/16"	12	42	50	51
HFORFS2021GIR	-20	1.1/4"	31.8	1.11/16"	12	50	50	57.2
HFORFS2032GIR	-20	1.1/4"	31.8	2"	12	50	60	57.2

## ORFS FEMALE SWIVEL 90° ELBOW

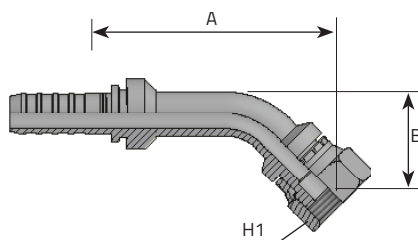
FEMMINA 90° ORFS  
 FEMELLE 90° ORFS  
 DK 90° BOGEN ORFS UNF STIRNDICHTEND  
 HEMBRA GIRATORIA A 90° ORFS



Code	Tube		Thread		Dimensions				Pressure
	D.N.	Hose	Diam	T	t/1"	H1	B	A	
	Inch	mm	Inch		mm	mm	mm		
HF90ORFS0606	-6	3/8"	9.5	9/16"	18	22	46,5	38,5	
HF90ORFS0609	-6	3/8"	9.5	11/16"	16	22	47,8	42,3	
HF90ORFS0611	-6	3/8"	9.5	13/16"	16	27	52,6	40,3	
HF90ORFS0809	-8	1/2"	12.8	11/16"	16	27	50,0	45,0	
HF90ORFS0811	-8	1/2"	12.8	13/16"	16	27	58,1	42,6	
HF90ORFS0813	-8	1/2"	12.8	1"	14	27	54,7	44,1	
HF90ORFS0814	-8	1/2"	12.8	1.3/16"	16	30	58,1	43,1	
HF90ORFS1013	-10	5/8"	16	1"	14	32	65,2	59,1	
HF90ORFS1014	-10	5/8"	16	1.3/16"	16	32	64,6	54,1	
HF90ORFS1213	-12	3/4"	19	1"	14	34	72,2	60,6	
HF90ORFS1214	-12	3/4"	19	1.3/16"	16	34	73,6	61,6	
HF90ORFS1215	-12	3/4"	19	1.7/16"	12	36	77,5	62,1	
HF90ORFS1221	-12	3/4"	19	1.11/16"	12	41	83,9	97,6	
HF90ORFS1614	-16	1"	25.4	1.3/16"	16	42	86,5	75,5	
HF90ORFS1615	-16	1"	25.4	1.7/16"	12	42	85,6	79,6	
HF90ORFS1621	-16	1"	25.4	1.11/16"	12	42	99,4	97,5	
HF90ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	41	99,9	98,1	
HF90ORFS2032	-20	1.1/4"	31.8	2"	12	50	90,6	103,1	

## ORFS FEMALE SWIVEL 45° ELBOW

FEMMINA 45° ORFS  
 FEMELLE 45° ORFS  
 DK 45° BOGEN ORFS UNF STIRNDICHTEND  
 HEMBRA GIRATORIA A 45° ORFS

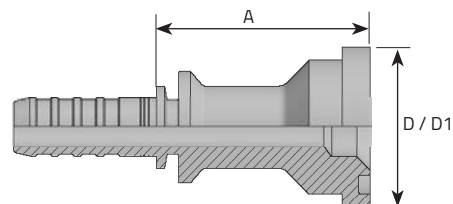


Code	Tube			Thread		Dimensions			Pressure
	D.N.	Hose	Diam	T	t/1"	H1	B	A	
	Inch	mm	Inch	mm	mm	mm	mm		
HF45ORFS0606	-6	3/8"	9.5	9/16"	18	22	25,8	62,8	
HF45ORFS0609	-6	3/8"	9.5	11/16"	16	22	26,3	70,6	
HF45ORFS0611	-6	3/8"	9.5	13/16"	16	27	31,5	72,8	
HF45ORFS0809	-8	1/2"	12.8	11/16"	16	27	25,3	75,8	
HF45ORFS0811	-8	1/2"	12.8	13/16"	16	27	33,6	78,6	
HF45ORFS0813	-8	1/2"	12.8	1"	14	27	31,1	77,1	
HF45ORFS0814	-8	1/2"	12.8	1.3/16"	16	30	36,1	79,1	
HF45ORFS1013	-10	5/8"	16	1"	14	32	35,3	77,9	
HF45ORFS1014	-10	5/8"	16	1.3/16"	16	32	32,7	76,3	
HF45ORFS1213	-12	3/4"	19	1"	14	34	39,4	79,5	
HF45ORFS1214	-12	3/4"	19	1.3/16"	16	34	40,4	81,0	
HF45ORFS1215	-12	3/4"	19	1.7/16"	12	36	43,6	84,7	
HF45ORFS1221	-12	3/4"	19	1.11/16"	12	41	46,9	112,5	
HF45ORFS1614	-16	1"	25.4	1.3/16"	16	42	44,1	103,1	
HF45ORFS1615	-16	1"	25.4	1.7/16"	12	42	44,4	105,0	
HF45ORFS1621	-16	1"	25.4	1.11/16"	12	42	43,3	112,8	
HF45ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	41	51,3	118,4	
HF45ORFS2032	-20	1.1/4"	31.8	2"	12	50	45,3	116,4	

## FLANGE CODE 61 - 3000 PSI

FLANGIA 3000 PSI  
 BRIDE DROIT 3000 PSI (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA RECTA 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

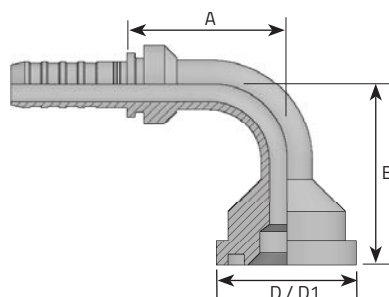


Code	Tube			Thread	Dimensions			Pressure
	D.N.	Hose	Diam		D	D1	A	
		Inch	mm		Inch	mm	mm	
HFDL0808I	-8	1/2"	12.8		1/2"	30.2	56.2	
HFDL0810I	-8	1/2"	12.8		5/8"	34	58.05	
HFDL0812I	-8	1/2"	12.8		3/4"	38.1	62.3	
HFDL1010I	-10	5/8"	16		5/8"	34	58.8	
HFDL1012I	-10	5/8"	16		3/4"	38.1	60.3	
HFDL1208I	-12	3/4"	19		1/2"	30.2	63.2	
HFDL1212I	-12	3/4"	19		3/4"	38.1	61.3	
HFDL1216I	-12	3/4"	19		1"	44.5	65	
HFDL1612I	-16	1"	25.4		3/4"	38.1	59	
HFDL1616I	-16	1"	25.4		1"	44.5	68	
HFDL1620I	-16	1"	25.4		1.1/4"	50.8	74	
HFDL2016I	-20	1.1/4"	31.8		1"	44.5	67.7	
HFDL2020I	-20	1.1/4"	31.8		1.1/4"	50.8	85.2	
HFDL2024I	-20	1.1/4"	31.8		1.1/2"	60.3	90.2	

## FLANGE CODE 61 - 3000 PSI - 90° ELBOW

FLANGIA 90° SAE J518 3000 PSI INTERA  
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

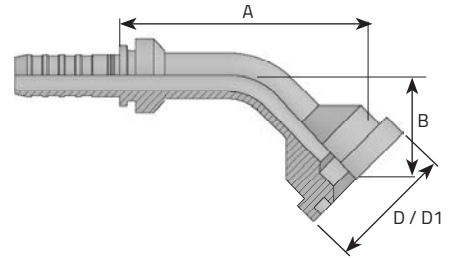


Code	Tube			Thread	Dimensions				Pressure
	D.N.	Hose	Diam		D	D1	B	A	
	Inch		mm	Inch	mm	mm	mm		
HF90L0808I	-8	1/2"	12.8		1/2"	30.2	43,0	43,5	
HF90L0810I	-8	1/2"	12.8		5/8"	34	47,0	43,5	
HF90L0812I	-8	1/2"	12.8		3/4"	38.1	50,0	43,5	
HF90L1010I	-10	5/8"	16		5/8"	34	52,0	55,5	
HF90L1012I	-10	5/8"	16		3/4"	38.1	55,0	55,5	
HF90L1208I	-12	3/4"	19		1/2"	30.2	52,0	62,5	
HF90L1212I	-12	3/4"	19		3/4"	38.1	58,0	62,5	
HF90L1216I	-12	3/4"	19		1"	44.5	62,0	62,5	
HF90L1612I	-16	1"	25.4		3/4"	38.1	59,5	82,5	
HF90L1616I	-16	1"	25.4		1"	44.5	63,5	82,5	
HF90L1620I	-16	1"	25.4		1.1/4"	50.8	69,5	82,5	
HF90L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	86,0	96,7	
HF90L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	87,0	96,7	

## FLANGE CODE 61 - 3000 PSI - 45° ELBOW

FLANGIA 45° SAE J518 3000 PSI INTERA  
 BRIDE 45° 3000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG  
 BRIDA A 45° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



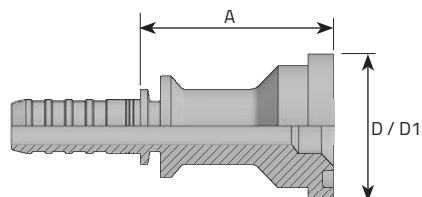
Code	Tube		Thread	Dimensions				Pressure
	D.N.	Hose		Diam	D	D1	B	
		Inch	mm	Inch	mm	mm	mm	
HF45L0808I	-8	1/2"	12.8	1/2"	30.2	23,0	67,5	
HF45L0810I	-8	1/2"	12.8	5/8"	34	25,0	72,5	
HF45L0812I	-8	1/2"	12.8	3/4"	38.1	28,0	72,5	
HF45L1010I	-10	5/8"	16	5/8"	34	30,0	69,5	
HF45L1012I	-10	5/8"	16	3/4"	38.1	30,0	69,5	
HF45L1208I	-12	3/4"	19	1/2"	30.2	28,0	68,5	
HF45L1212I	-12	3/4"	19	3/4"	38.1	32,0	72,5	
HF45L1216I	-12	3/4"	19	1"	44.5	35,0	75,5	
HF45L1612I	-16	1"	25.4	3/4"	38.1	34,6	88,1	
HF45L1616I	-16	1"	25.4	1"	44.5	31,6	91,1	
HF45L1620I	-16	1"	25.4	1.1/4"	50.8	35,6	95,1	
HF45L2020I	-20	1.1/4"	31.8	1.1/4"	50.8	42,3	107,0	
HF45L2024I	-20	1.1/4"	31.8	1.1/2"	60.3	43,3	108,0	



## FLANGE CODE 62 - 6000 PSI

FLANGIA DIRITTA SAE J518 6000 PSI INTERA  
**BRIDE DROIT 6000 PSI (PIÈCE ENTIER)**  
 FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
**BRIDA RECTA 6000 PSI (PIEZA UNICA)**

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

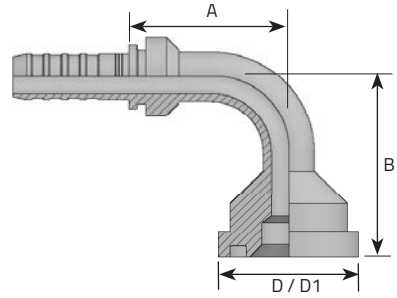


Code	Tube			Thread	Dimensions			Pressure
	D.N.	Hose	Diam		D	D1	A	
		Inch	mm		Inch	mm	mm	
HFDP0808I	-8	1/2"	12.8		1/2"	31.7	61.2	
<b>HFDP0812I</b>	<b>-8</b>	<b>1/2"</b>	<b>12.8</b>		<b>3/4"</b>	<b>41.3</b>	<b>64.5</b>	
HFDP1008I	-10	5/8"	16		1/2"	31.7	65.2	
<b>HFDP1012I</b>	<b>-10</b>	<b>5/8"</b>	<b>16</b>		<b>3/4"</b>	<b>41.3</b>	<b>63.5</b>	
HFDP1212I	-12	3/4"	19		3/4"	41.3	66.5	
<b>HFDP1216I</b>	<b>-12</b>	<b>3/4"</b>	<b>19</b>		<b>1"</b>	<b>47.6</b>	<b>75.03</b>	
HFDP1612I	-16	1"	25.4		3/4"	41.3	78.5	
<b>HFDP1616I</b>	<b>-16</b>	<b>1"</b>	<b>25.4</b>		<b>1"</b>	<b>47.6</b>	<b>82.03</b>	
HFDP1620I	-16	1"	25.4		1.1/4"	54	87.3	
<b>HFDP2020I</b>	<b>-20</b>	<b>1.1/4"</b>	<b>31.8</b>		<b>1.1/4"</b>	<b>54</b>	<b>87</b>	
HFDP2024I	-20	1.1/4"	31.8		1.1/2"	63.5	98.8	

## FLANGE CODE 62 - 6000 PSI - 90° ELBOW

FLANGIA A 90° SAE J518 6000 PSI INTERA  
 BRIDE 90° 6000 PSI (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

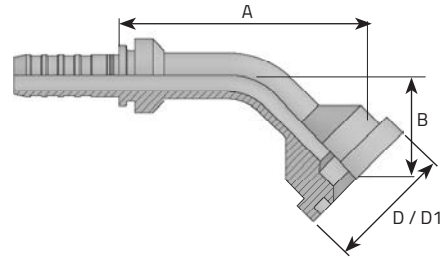


Code	Tube		Thread	Dimensions				Pressure
	D.N.	Hose		Diam	D	D1	B	
		Inch	mm	Inch	mm	mm	mm	
HF90P0808I	-8	1/2"	12.8	1/2"	31.7	44,0	43,5	
HF90P0812I	-8	1/2"	12.8	3/4"	41.3	51,0	43,5	
HF90P1008I	-10	5/8"	16	1/2"	31.7	50,0	55,5	
HF90P1012I	-10	5/8"	16	3/4"	41.3	59,0	56,5	
HF90P1212I	-12	3/4"	19	3/4"	41.3	62,0	62,5	
HF90P1216I	-12	3/4"	19	1"	47.6	67,0	62,5	
HF90P1612I	-16	1"	25.4	3/4"	41.3	63,5	82,5	
HF90P1616I	-16	1"	25.4	1"	47.6	68,5	82,5	
HF90P1620I	-16	1"	25.4	1.1/4"	54	72,5	82,5	
HF90P2020I	-20	1.1/4"	31.8	1.1/4"	54	92,0	96,7	
HF90P2024I	-20	1.1/4"	31.8	1.1/2"	63.5	96,0	96,7	

## FLANGE CODE 62 - 6000 PSI - 45° ELBOW

FLANGIA A 45° SAE J518 6000 PSI INTERA  
 BRIDE 45° 6000 PSI (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG  
 BRIDA A 45° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

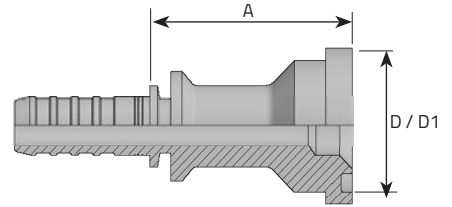


Code	Tube			Thread	Dimensions				Pressure
	D.N.	Hose	Diam		D	D1	B	A	
	Inch	mm	mm		Inch	mm	mm	mm	
HF45P0808I	-8	1/2"	12.8		1/2"	31.7	23,0	68,5	
HF45P0812I	-8	1/2"	12.8		3/4"	41.3	28,0	73,5	
HF45P1008I	-10	5/8"	16		1/2"	31.7	26,0	66,5	
HF45P1012I	-10	5/8"	16		3/4"	41.3	30,0	73,5	
HF45P1212I	-12	3/4"	19		3/4"	41.3	32,0	75,5	
HF45P1216I	-12	3/4"	19		1"	47.6	35,0	79,5	
HF45P1612I	-16	1"	25.4		3/4"	41.3	34,6	91,1	
HF45P1616I	-16	1"	25.4		1"	47.6	31,6	94,1	
HF45P1620I	-16	1"	25.4		1.1/4"	54	35,6	99,1	
HF45P2020I	-20	1.1/4"	31.8		1.1/4"	54	42,3	111,0	
HF45P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	43,3	114,0	

## SUPERCAT FLANGE

FLANGIA DIRITTA SUPERCAT INTERA  
 EMBOUT À BRIDE SUPERCAT DROITE (PIÈCE ENTIER)  
 FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA RECTA SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

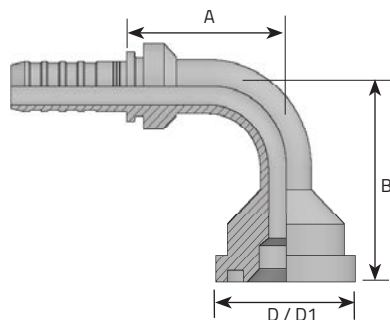


Code	Tube		Thread	Dimensions			Pressure
	D.N.	Hose		Diam	D	D1	
		Inch	mm	Inch	mm	mm	
HFDS1212I	-12	3/4"	19	3/4"	41.3	71.9	
HFDS1216I	-12	3/4"	19	1"	47.6	79.8	
HFDS1616I	-16	1"	25.4	1"	47.6	86.8	
HFDS1620I	-16	1"	25.4	1.1/4"	54	91.3	
HFDS2020I	-20	1.1/4"	31.8	1.1/4"	54	91.7	
HFDS2024I	-20	1.1/4"	31.8	1.1/2"	63.5	100.5	

## SUPERCAT FLANGE - 90° ELBOW

FLANGIA 90° SUPERCAT INTERA  
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)  
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

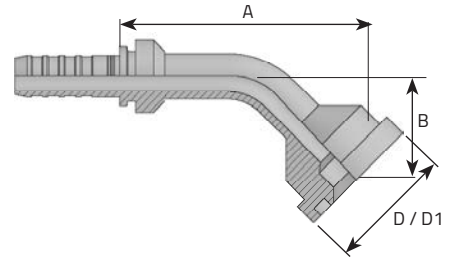


Code	Tube			Thread	Dimensions				Pressure
	D.N.	Hose	Diam		D	D1	B	A	
		Inch	mm		Inch	mm	mm	mm	
HF90S1212I	-12	3/4"	19		3/4"	41.3	67,0	62,5	
HF90S1216I	-12	3/4"	19		1"	47.6	73,0	62,5	
HF90S1616I	-16	1"	25.4		1"	47.6	74,5	82,5	
HF90S1620I	-16	1"	25.4		1.1/4"	54	80,0	82,5	
HF90S2020I	-20	1.1/4"	31.8		1.1/4"	54	96,0	96,7	
HF90S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	98,0	96,7	

## SUPERCAT FLANGE - 45° ELBOW

FLANGIA 45° SUPERCAT INTERA  
 BRIDE 45° SUPERCAT (PIÈCE ENTIER)  
 45° FLANSCHANSCHLUSS SUPERCAT EINTEILIG  
 BRIDA 45° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /  
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



Code	Tube		Thread	Dimensions				Pressure
	D.N.	Hose		Diam	D	D1	B	
		Inch	mm	Inch	mm	mm	mm	
HF45S1212I	-12	3/4"	19	3/4"	41.3	39,0	79,5	
HF45S1216I	-12	3/4"	19	1"	47.6	43,0	83,5	
HF45S1616I	-16	1"	25.4	1"	47.6	39,6	99,1	
HF45S1620I	-16	1"	25.4	1.1/4"	54	42,6	102,1	
HF45S2020I	-20	1.1/4"	31.8	1.1/4"	54	49,3	114,0	
HF45S2024I	-20	1.1/4"	31.8	1.1/2"	63.5	50,3	115,0	

## **Press Fittings Catalogue a-2020 EU**

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