

# Swaged

# S G M T E E



# SWAGED FITTINGS Summary

The range of hydraulic fittings conforms to English BS (British Standard), American SAE and German DIN (Deutsches Institut für Normung) norms. Additional items conforming to Japanese norms JIS (Japanese Industrial Standard), French NF and some flanged head fittings for OEM applications are also available.

For braided hose MF2000 range is available with a no-skive or skive assembling technology. For wire spiralled hose MF2000 range is used with external skive of the hose, while, for the highest levels of pressure, the Interlock range is to be used with internal and external skiving.

La gamma raccordi metallici comprende prodotti rispondenti alle norme inglesi BS (British Standard), americane SAE, e tedesche DIN (Deutsches Institut für Normung). Sono inoltre disponibili inserti particolari rispondenti alle norme giapponesi JIS (Japanese Industrial Standard), e una gamma di flange speciali. Per tubi con rinforzo trecciato è disponibile la gamma MF2000 con soluzione con o senza pelatura esterna del tubo. Per i tubi con rinforzo in acciaio spiralato si utilizzano la gamma MF2000 con pelatura esterna e, per le altissime pressioni, la gamma Interlock che prevede una pelatura esterna ed interna del tubo.

Description Descrizione	Reference Riferimenti	Page Pagina
<b>FERRULE MF2000 MULTIFIT TYPE</b> GHIERE MF2000 TIPO MULTIFIT		
Skive Ferrule For Wire Braided Hoses	M00100 STYLE	73
Skive Ferrule For Wire Braided and Spiralled Hoses	M00900 STYLE	74
No Skive Ferrule For Wire Braided Hoses	M03400 STYLE	75
No Skive Ferrule For Textile Braided Hoses	M00300 STYLE	76
No Skive Ferrule For Compact Hoses	M00800 STYLE	76

## **INSERTS MF2000 MULTIFIT TYPE** INSERTI MF2000 TIPO MULTIFIT

### **BS STANDARD CONNECTIONS**

#### RACCORDI TIPO BS

BSP Male Tapered - BS5200	M10710	77
BSP Male Parallel 60° Cone Seat - BS5200	M10510	78
BSP Female 60° Cone - BS5200	M20512 / M20513	79
90° BSP Female Swept Elbow 60° Cone - BS5200	M20592 / M20593	80
45° BSP Female Swept Elbow 60° Cone - BS5200	M20542 / M20543	81
BSP O'Ring Female 60° Cone - BS5200	M20812 / M20813	82
90° BSP O'Ring Female 60° Cone - BS5200	M20892 / M20893	83
45° BSP O'Ring Female 60° Cone - BS5200	M20842 / M20843	84
90° BSP O'Ring Female Compact Elbow 60° Cone - BS5200	M20882	84
BSP Male Flat Seat	M10610	85
BSP Female Flat Seat	M20612 / M20613	85

# SWAGED FITTINGS Summary

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<b>SAE STANDARD CONNECTIONS</b>		
RACCORDI TIPO SAE		
<b>JIC Males and Females - Maschi e Femmine JIC</b>		
JIC Male 74° Cone - SAE J514	M12510	86
JIC Female 74° Cone Seat - SAE J514	M22512 / M22513	87
JIC Female 74° Cone Seat Double Exagon- SAE J514	M22712	88
90° JIC Female Swept Elbow 74° Cone Seat - SAE J514	M22592 / M22593	89
45° JIC Female Swept Elbow 74° Cone Seat - SAE J514	M22542 / M22543	90
90° JIC Female Compact Elbow 74° Cone Seat - SAE J514	M22582	91
<b>ORFS Males and Females - Maschi e Femmine ORFS</b>		
ORFS Male - SAE J1453	M12410	92
ORFS Female - SAE J1453	M22411	93
90° ORFS Female - SAE J1453	M22493	94
90° ORFS Female Long Drop - SAE J1453	M24493	95
45° ORFS Female - SAE J1453	M22443	95
<b>SAE Males and Females - Maschi e Femmine SAE</b>		
SAE Male 90° Cone - SAE J516	M12610	96
SAE Male O'Ring Boss Type - SAE J514	M13010	97
SAE Swivel Male O'Ring Boss Type - SAE J514	M14310	97
90° SAE Swivel Male O'Ring Boss Type - SAE J514	M14390	98
SAE Female 90° Cone Seat - SAE J516	M22612	98
90° SAE Female Swept Elbow 90° Cone Seat - SAE J516	M22692	99
45° SAE Female Swept Elbow 90° Cone Seat - SAE J516	M22642	99
<b>NPTF-NPSM Males and Females</b>		
<b>Maschi e Femmine NPTF-NPSM</b>		
NPTF Male 60° Cone Seat - SAE J516	M12810	100
NPSM Female 60° Cone	M22812	101
<b>SAE Flanges 3000/6000 psi</b>		
<b>Flange SAE 3000/6000 psi</b>		
Straight SAE Flange 3000 Psi - Code 61 SAE J518	M23311	102
90° SAE Flange 3000 Psi - Code 61 SAE J518	M23391	103
45° SAE Flange 3000 Psi - Code 61 SAE J518	M23341	104
Straight SAE Flange 6000 Psi - Code 62 SAE J518	M23611	105
90° SAE Flange 6000 Psi - Code 62 SAE J518	M23691	106
45° SAE Flange 6000 Psi - Code 62 SAE J518	M23641	107

# SWAGED FITTINGS Summary

Description Descrizione	Reference Riferimenti	Page Pagina
<b>DIN STANDARD CONNECTIONS</b>		
RACCORDI TIPO DIN		
<b>DIN Standpipe - Femmine metriche Tubolari</b>		
Metric Standpipe Straight L.T. - DIN 2353	M22010 L.T.	108
Metric Standpipe Straight H.T. - DIN 2353	M22010 H.T.	109
90° Metric Standpipe L.T. - DIN 2353	M22090 L.T.	110
90° Metric Standpipe H.T. - DIN 2353	M22090 H.T.	111
45° Metric Standpipe L.T. - DIN 2353	M22040 L.T.	112
45° Metric Standpipe H.T. - DIN 2353	M22040 H.T.	112
<b>DIN Metric 60° Cone Males and Females</b>		
<b>Maschi e Femmine Metriche Cono 60°</b>		
Metric Male 60° Cone Seat - DIN 3853 / 3863	M11010	113
Metric Female 60° Cone - DIN 3863	M21013	113
90° Metric Female Swept Elbow 60° Cone - DIN 3863	M21093	113
<b>DIN Metric Multiseal - Femmine Metriche Cono Universale</b>		
Metric Female Multiseal - DIN 3868	M21312 / M21313	114
90° Metric Female Swept Elbow Multiseal - DIN 3868	M21392 / M21393	115
45° Metric Female Swept Elbow Multiseal - DIN 3868	M21342 / M21343	116
<b>DIN Metric 24° Cone Light Type Males and Females</b>		
<b>Maschi e Femmine Metriche Cono 24° O'Ring serie leggera</b>		
Metric Male 24° Cone Seat L.T. - DIN 3853 / 3861	M11110	117
O'Ring Metric Female 24° Cone L.T. - DIN 3865	M21512 / M21513	118
90° O'Ring Metric Female Swept Elbow 24° Cone L.T. - DIN 3865	M21592 / M21593	119
45° O'Ring Metric Female Swept Elbow 24° Cone L.T. - DIN 3865	M21542 / M21543	120
<b>DIN Metric 24° Cone Heavy Type Males and Females</b>		
<b>Maschi e Femmine Metriche Cono 24° O'Ring serie pesante</b>		
Metric Male 24° Cone Seat H.T. - DIN 3853 / 3861	M11210	121
O'Ring Metric Female 24° Cone H.T. - DIN 3865	M21612 / M21613	122
90° O'Ring Metric Female Swept Elbow 24° Cone H.T. - DIN 3865	M21692 / M21693	123
45° O'Ring Metric Female Swept Elbow 24° Cone H.T. - DIN 3865	M21642 / M21643	124
<b>NF STANDARD CONNECTIONS</b>		
RACCORDI TIPO NF		
<b>French Males &amp; Females Millimetric Type</b>		
<b>Maschi e Femmine Francesi Tipo Millimetrico</b>		
French Metric Male 24° Cone Seat Millimetric Type	M11710	125
French Metric Female Millimetric Type	M21713	125
90° French Metric Swept Elbow Female	M21793	126

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<b>French Males &amp; Females Gaz Type Maschi e Femmine Francesi Tipo Gaz</b>		
French Metric Male 24° Cone Seat Gaz Type	M11810	127
French Metric Female Gaz Type	M21813	127
90° French Metric Female Gaz Type	M21893	128
45° French Metric Female Gaz Type	M21843	128
<b>JIS STANDARD CONNECTIONS</b>		
<b>RACCORDI TIPO JIS</b>		
JIS Metric Female 60° Cone Seat (Komatsu) - JIS 8363	M24011 / M24012	129
JIS BSP Female 60° Cone Seat (Toyota) - JIS 8363	M23811	130
JIS BSP Female 60° Cone (Nissan) - JIS 8363	M20711	130
<b>ORIGINAL EQUIPMENT CONNECTIONS</b>		
<b>RACCORDI A SPECIFICHE OEM</b>		
<b>Komatsu, Poclain, Supercat Flanges Flange Tipo Komatsu, Poclain, Supercat</b>		
Poclain Male Flange	M14513	131
Poclain Female Flange	M24513	131
90° Poclain Female Flange	M24593	132
Straight Komatsu Flange	M24111	133
90° Komatsu Flange	M24191	133
45° Komatsu Flange	M24141	133
Straight Supercat Flange	M23911	134
90° Supercat Flange	M23991	134
45° Supercat Flange	M23941	135
<b>BANJO CONNECTIONS</b>		
<b>RACCORDI AD OCCHIELLO</b>		
BSP Banjo	O20310	136
Metric Banjo - DIN 7622	O20910	136
<b>WASH CLEANER CONNECTIONS</b>		
<b>RACCORDI PER IDROPULITRICI</b>		
Wash Cleaner Female	M24913	137

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## ACCESSORIES

### ACCESSORI

Double Connector	M10050	138
Brazing Tail	M..IP.	139
SAE Split Flange Clamps 3000 Psi - SAE J518	O83308	140
SAE Split Flange Clamps 6000 Psi - SAE J518	O83609	140
BSP Bolt	O80210	141
Metric Bolt - DIN 7623	O80810	141

## FERRULE MF2000 INTERLOCK TYPE

### GHIERE MF2000 TIPO INTERLOCK

Double Skive Ferrule For Heavy Duty Spiralled Hoses	M01300 STYLE	142
Double Skive Ferrule For Heavy Duty Spiralled Hoses	M01400 STYLE	142

## INSERTS MF2000 INTERLOCK TYPE

### INSERTI MF2000 TIPO INTERLOCK

## BS STANDARD CONNECTIONS

### RACCORDI TIPO BS

BSP Male Tapered - BS5200	M35710	143
BSP Male Parallel 60° Cone Seat - BS5200	M35510	143
BSP Female 60° Cone - BS5200	M45812	144
90° BSP Female Swept Elbow 60° Cone - BS5200	M45892	144
45° BSP Female Swept Elbow 60° Cone - BS5200	M45842	145

## SAE STANDARD CONNECTIONS

### RACCORDI TIPO SAE

#### NPTF / JIC Males and Females

#### Maschi e Femmine NPTF / JIC

NPTF Male 60° Cone Seat - SAE J516	M37810	146
JIC Male 74° Cone - SAE J514	M37510	146
JIC Female 74° Cone Seat - SAE J514	M47512	147
90° JIC Female Swept Elbow 74° Cone Seat - SAE J514	M47592	147
45° JIC Female Swept Elbow 74° Cone Seat - SAE J514	M47542	148

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<b>ORFS Females - Femmine ORFS</b>		
ORFS Female - SAE J1453	M47411	148
90° ORFS Female - SAE J1453	M47491	149
45° ORFS Female - SAE J1453	M47441	149
<b>SAE Flanges 3000/6000 psi - Flange SAE 3000/6000 psi</b>		
Straight SAE Flange 3000 Psi - Code 61 SAE J518	M48310	150
90° SAE Flange 3000 Psi - Code 61 SAE J518	M48390	150
45° SAE Flange 3000 Psi - Code 61 SAE J518	M48340	151
Straight SAE Flange 6000 Psi - Code 62 SAE J518	M48610	152
90° SAE Flange 6000 Psi - Code 62 SAE J518	M48690	153
45° SAE Flange 6000 Psi - Code 62 SAE J518	M48640	154
<b>DIN STANDARD CONNECTIONS</b>		
RACCORDI TIPO DIN		
<b>DIN Metric 24° Cone Heavy Type Males and Females Maschi e Femmine Metriche Cono 24° O'Ring Serie Pesante</b>		
Metric Male 24° Cone Seat H.T. - DIN 3853 / 3861	M36210	155
O'Ring Metric Female 24° Cone H.T. - DIN 3865	M46613	155
90° O'Ring Metric Female Swept Elbow 24° Cone H.T. - DIN 3865	M46693	156
45° O'Ring Metric Female Swept Elbow 24° Cone H.T. - DIN 3865	M46643	156
<b>ACCESSORIES</b>		
ACCESSORI		
Double Connector	M10070	157
Brazing Tail	M..IP..DA	157
<b>INSERTS MF2000 PUSH-LOCK TYPE</b> RACCORDI MF2000 TIPO PUSH-LOCK		
<b>BS STANDARD CONNECTIONS</b>		
RACCORDI TIPO BS		
BSP Male Parallel 60° Cone Seat - BS5200	L10510	158
BSP Female 60° Cone - BS5200 - (SLIP ON NUT)	L20513	158
90° BSP Female Swept Elbow 60° Cone - BS5200 - (SLIP ON NUT)	L20593	159
45° BSP Female Swept Elbow 60° Cone - BS5200 - (SLIP ON NUT)	L20543	159

# SWAGED FITTINGS Summary

**Alphanumerical index to easily look up the Manuli Reference in the catalogue.**

Indice alfanumerico per una facile consultazione della referenza Manuli sul catalogo.

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## **MF2000 PUSH-LOCK TYPE**

### **MF2000 TIPO PUSH-LOCK**

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L20513	158
L20543	159
L20593	159

## **FERRULE**

### **GHIERE**

M00110	73
M00310	76
M00810	76
M00820	76
M00910	74
M00920	74
M01300	142
M01400	142
M03400	75

## **MF2000 MULTIFIT TYPE**

### **MF2000 TIPO MULTIFIT**

M10510	78
M10610	85
M10710	77
M11010	113
M11110	117
M11210	121
M11710	125
M11810	127
M12410	92
M12510	86
M12610	96
M12810	100
M13010	97

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M14513	131
M20512	79
M20513	79
M20542	81
M20543	81
M20592	80
M20593	80
M20612	85
M20613	85
M20711	130
M20812	82
M20813	82
M20842	84
M20843	84
M20882	84
M20892	83
M20893	83
M21013	113
M21093	113
M21312	114
M21313	114
M21342	116
M21343	116
M21392	115
M21393	115
M21512	118
M21513	118
M21542	120
M21543	120
M21592	119
M21593	119
M21612	122
M21613	122
M21642	124
M21643	124
M21692	123
M21693	123
M21713	125
M21793	126

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M21813	127
M21843	128
M21893	128
M22010 H.T.	109
M22010 L.T.	108
M22040 H.T.	112
M22040 L.T.	112
M22090 H.T.	111
M22090 L.T.	110
M22411	93
M22443	95
M22493	94
M22512	87
M22513	87
M22542	90
M22543	90
M22582	91
M22592	89
M22593	89
M22612	98
M22642	99
M22692	99
M22712	88
M22812	101
M23311	102
M23341	104
M23391	103
M23611	105
M23641	107
M23691	106
M23811	130
M23911	134
M23941	135
M23991	134
M24011	129
M24012	129
M24111	133
M24141	133
M24191	133
M24493	95
M24513	131
M24593	132
M24913	137
O20310	136
O20910	136

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## **MF2000 INTERLOCK TYPE**

### **MF2000 TIPO INTERLOCK**

M35510	143
M35710	143
M36210	155
M37510	146
M37810	146
M45812	144
M45842	145
M45892	144
M46613	155
M46643	156
M46693	156
M47411	148
M47441	149
M47491	149
M47512	147
M47542	148
M47592	147
M48310	150
M48340	151
M48390	150
M48610	152
M48640	154
M48690	153

## **ACCESSORIES**

### **ACCESSORI**

M..IP.	139
M..IP.DA	157
M10050	138
M10070	157
O80210	141
O80810	141
O83308	140
O83609	140

# FITTINGS PART NUMBERING

## SYSTEM

### First digit Prima cifra



The numbers stated in this position (from 0 to 8), refer respectively to the following descriptions:  
I numeri in questa posizione (da 0 a 8) si riferiscono rispettivamente alle seguenti descrizioni:

0 = Swaged Ferrule / Ghiera

1 = Multifit Type Male / Maschio Tipo Multifit

2 = Multifit Type Female / Femmina Tipo Multifit

3 = Interlock Swaged Male / Maschio Interlock

4 = Interlock Swaged Female / Femmina Interlock

8 = Split Flange or Bolt / Semi Flange o vite

### Second and third digit Seconda e terza cifra



#### MULTIFIT INTERLOCK DESCRIPTION / DESCRIZIONE

00		Blank insert / Insetto neutro
03		BSP Banjo / Occhiello gas
05	55	BSP Parallel Thread (60° cone) / Filetto gas parallelo (cono 60°)
06		BSP Parallel Thread (Flat Face) / Filetto gas parallelo (sede piana)
07	57	BSP Male Tapered Thread - JIS BSP Fem. / Filetto maschio gas conico - femmina JIS BSP
08	58	BSP Parallel Thread O'R (60° cone) / Filetto gas parallelo con O'Ring (cono 60°)
09		Metric Banjo / Occhiello Metrico
10		Metric Thread (60° cone superlight) / Filetto metrico (cono 60° superleggero)
11		Metric Thread (24° cone light type) / Filetto metrico (cono 24° serie leggera)
12	62	Metric Thread (24° cone heavy type) / Filetto metrico (cono 24° serie pesante)
13		Metric Thread (Multiseal cone) / Filetto metrico (cono universale)
15		Metric Thread (24° cone O'R light type) / Filetto metrico (cono 24° con O'Ring, serie leggera)
16	66	Metric Thread (24° cone O'R heavy type) / Filetto metrico (cono 24° con O'Ring, serie pesante)
17		Metric Thread (French millimetric) / Metrico (francese millimetrico)
18		Metric Thread (French gaz) / Metrico (francese gaz)
20		DIN Metric Standpipe / Tubolare metrico DIN
25	75	JIC Thread (74° cone) / Filetto JIC (cono 74°)
27		JIC Thread double exag. (74° Cone) / Filetto JIC doppio Esag. (Cono 74°)
24	74	ORFS type / Tipo ORFS
26		SAE Thread (90° cone) / Filetto SAE (cono 90°)
28	78	NPTF/NPSM Thread / Filetto NPTF/NPSM
30		SAE O'R Thread / Filetto SAE con O'Ring
33	83	3000 psi SAE flange / Flangia SAE 3000 psi
36	86	6000 psi SAE flange / Flangia SAE 6000 psi
38		JIS (Toyota) Thread / Filetto JIS (Toyota)
40		JIS (Komatsu) Thread / Filetto JIS (Komatsu)

When the first digit is 8, it denotes bolt type or SAE split flange, namely:

Quando la prima cifra è un 8 indica una vite o una semiflangia SAE, rispettivamente:

3000 psi SAE Split Flange / Semiflangia SAE 3000 psi = 33

6000 psi SAE Split Flange / Semiflangia SAE 6000 psi = 36

BSP Bolt / Viti forate gas = 02

Metric Bolt / Viti Forate Metriche = 08

### Fourth digit Quarta cifra



1 = Straight / Diritto

4 = 45° Swept / Curvo a 45°

8 = Compact type / Tipo compatto

9 = 90° Swept / Curvo a 90°

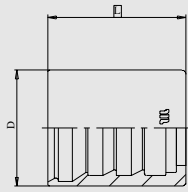
### Fifth digit Quinta cifra



3 = Slip-on nut / Dado passante

2 = Thrust-wire nut / Dado spinato

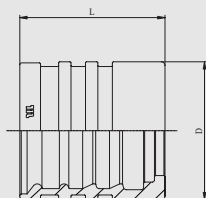
1 = Crimped-back Nut or solid Type (Multifit Type Flange) / Dado pressato o tipo pezzo unico (flange Tipo Multifit)



**M00100 Style**

SKIVE FERRULE FOR WIRE BRAIDED HOSES  
*ghiera per tubi trecciati con pelatura*

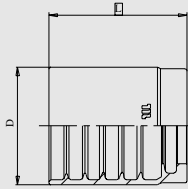
PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M00110-03	5	3/16"	- 03				17,5	26				
M00110-04	6	1/4"	- 04				20,6	30				
M00110-05	8	5/16"	- 05				21	31				
M00110-06	10	3/8"	- 06				24	32				
M00110-08	12	1/2"	- 08				28,5	34				
M00110-10	16	5/8"	- 10				32	37				
M00110-12	20	3/4"	- 12				36	42				
M00110-16	25	1"	- 16				43	50				
M00110-20	32	1.1/4"	- 20				50,5	59				
M00110-24	40	1.1/2"	- 24				57	70				
M00110-32	50	2"	- 32				70	72				



**M00900 Style**

SKIVE FERRULE FOR WIRE BRAIDED AND SPIRALLED HOSES  
*ghiera per tubi trecciati e spiralati con pelatura*

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M00910-03	5	3/16"	- 03				20,6	26				
M00910-04	6	1/4"	- 04				22	30				
M00910 -05	8	5/16"	- 05				24	31				
M00910-06	10	3/8"	- 06				26	33				
M00910-08	12	1/2"	- 08				30	34				
M00910-10	16	5/8"	- 10				33	39				
M00920-12	20	3/4"	- 12				38	40				
M00920-16	25	1"	- 16				46	54				
M00920-20	32	1.1/4"	- 20				57	60				
M00910-24	40	1.1/2"	- 24				65	70				
M00910-32	50	2"	- 32				79	72				



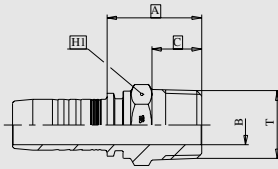
**M03400 Style**

NO-SKIVE FERRULE FOR WIRE BRAIDED HOSES  
*ghiera per tubi trecciati senza pelatura*

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M03400-03	5	3/16"	- 03				21	23				
M03400-04	6	1/4"	- 04				23	30,5				
M03400-05	8	5/16"	- 05				24	30				
M03400-06	10	3/8"	- 06				26	32				
M03400-08	12	1/2"	- 08				29	34				
M03400-10	16	5/8"	- 10				33	37				
M03400-12	20	3/4"	- 12				37	42				
M03400-16	25	1"	- 16				46	51				
M03400-20	32	1.1/4"	- 20				59	59				
M03400-24	40	1.1/2"	- 24				67	67				
M03400-32	50	2"	- 32				80	72				
M03400-38	60	2.3/8"	- 38				82,5	69				
M03400-40	63	2. 1/2"	- 40				88,9	69				
M03400-48	76	3"	- 48				103	75				

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M00310-03	5	3/16"	- 03				17,5	27				
M00310-04	6	1/4"	- 04				19,3	30				
M00310-05	8	5/16"	- 05				21	32				
M00310-06	10	3/8"	- 06				24	32				
M00310-08	12	1/2"	- 08				28,4	34				
M00310-10	16	5/8"	- 10				33	37				
M00310-12	20	3/4"	- 12				37	43				
M00310-16	25	1"	- 16				43,5	51				
M00310-20	32	1.1/4"	- 20				50	59				

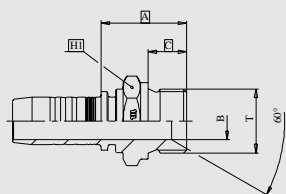
PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M00820-03	5	3/16"	- 03				14	26,5				
M00820-04	6	1/4"	- 04				18	30,5				
M00820-05	8	5/16"	- 05				19	32				
M00820-06	10	3/8"	- 06				22	33				
M00820-08	12	1/2"	- 08				26	34				
M00810-10	16	5/8"	- 10				28,5	36				
M00810-12	20	3/4"	- 12				32	42				
M00810-16	25	1"	- 16				40	50				
M00810-20	32	1.1/4"	- 20				48	57				



**M10710**

BSP MALE TAPERED - BS5200  
*maschio gas conico - BS5200*

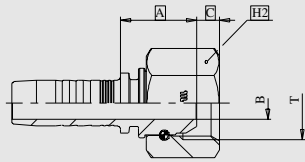
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M10710-03-02	5	3/16"	- 03	1/8" -28	4,5	20,6	8		12	
M10710-04-02	6	1/4"	- 04	1/8" -28	4,5	21	8		12	
M10710-04-04	6	1/4"	- 04	1/4" -19	4,5	25	12		14	
M10710-04-06	6	1/4"	- 04	3/8" -19	7	26	12		19	
M10710-05-06	8	5/16"	- 05	3/8" -19	7	26,5	12		19	
M10710-06-06	10	3/8"	- 06	3/8" -19	7	27,1	12		19	
M10710-06-08	10	3/8"	- 06	1/2" -14	10	30,6	15		22	
M10710-08-08	12	1/2"	- 08	1/2" -14	10	31,1	15		22	
M10710-10-12	16	5/8"	- 10	3/4" -14	17	37	17		27	
M10710-12-12	20	3/4"	- 12	3/4" -14	17	35,5	17		27	
M10710-16-16	25	1"	- 16	1" -11	22,5	41,8	21		36	
M10710-20-20	32	1.1/4"	- 20	1.1/4" -11	28,5	47,5	23		46	
M10710-24-24	40	1.1/2"	- 24	1.1/2" -11	32	50	23		50	
M10710-32-32	50	2"	- 32	2" -11	44	55,4	27		65	


**M10510**

BSP MALE PARALLEL 60° CONE SEAT - BS5200

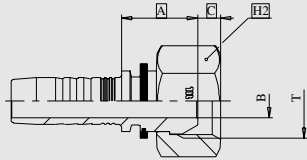
maschio gas cilindrico - BS5200

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M10510-03-02	5	3/16"	- 03	1/8" -28	3,5	22,5	10		14	
M10510-04-02	6	1/4"	- 04	1/8" -28	3,5	22,5	10		14	
M10510-04-04	6	1/4"	- 04	1/4" -19	5	25,5	11		19	
M10510-04-06	6	1/4"	- 04	3/8" -19	8	27	12		22	
M10510-05-06	8	5/16"	- 05	3/8" -19	8	27,5	12		22	
M10510-06-06	10	3/8"	- 06	3/8" -19	8	28,1	12		22	
M10510-06-08	10	3/8"	- 06	1/2" -14	11	30,6	14		27	
M10510-08-06	12	1/2"	- 08	3/8" -19	8	28,1	12		22	
M10510-08-08	12	1/2"	- 08	1/2" -14	11	31,1	14		27	
M10510-08-10	12	1/2"	- 08	5/8" -14	14,5	33,1	16		30	
M10510-08-12	12	1/2"	- 08	3/4" -14	17	34,1	16		32	
M10510-10-10	16	5/8"	- 10	5/8" -14	14,5	33,1	16		30	
M10510-10-12	16	5/8"	- 10	3/4" -14	17	34,1	16		32	
M10510-12-12	20	3/4"	- 12	3/4" -14	17	35,5	16		32	
M10510-12-16	20	3/4"	- 12	1" -11	22,5	39,5	19		41	
M10510-16-16	25	1"	- 16	1" -11	22,5	40,8	19		41	
M10510-16-20	25	1"	- 16	1.1/4" -11	28,5	44,8	20		50	
M10510-20-20	32	1.1/4"	- 20	1.1/4" -11	28,5	46,5	20		50	
M10510-24-24	40	1.1/2"	- 24	1.1/2" -11	33,5	49,5	22		55	
M10510-32-32	50	2"	- 32	2" -11	46	53,9	25		70	



**M20512**

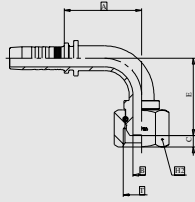
BSP FEMALE 60° CONE - BS5200 - (THRUST-WIRE NUT)  
*femmina gas cono 60° - BS5200 - (dado spinato)*



**M20513**

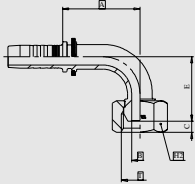
BSP FEMALE 60° CONE - BS5200 - (SLIP-ON NUT)  
*femmina gas cono 60° - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M20512-03-02	5	3/16"	- 03	1/8" -28	3,1	14,8	4,4			14
M20513-03-04	5	3/16"	- 03	1/4" -19	4	16,5	5,4			19
M20512-04-02	6	1/4"	- 04	1/8" -28	3,1	15,5	5,4			14
M20513-04-04	6	1/4"	- 04	1/4" -19	4	17	5,4			19
M20513-04-06	6	1/4"	- 04	3/8" -19	7	19,1	6			22
M20512-05-04	8	5/16"	- 05	1/4" -19	4,1	17,5	4,2			19
M20513-05-06	8	5/16"	- 05	3/8" -19	7	19,1	6			22
M20512-06-04	10	3/8"	- 06	1/4" -19	4,1	18,1	4,2			19
M20513-06-06	10	3/8"	- 06	3/8" -19	7	19,6	6			22
M20513-06-08	10	3/8"	- 06	1/2" -14	9,3	21	6,5			27
M20512-08-06	12	1/2"	- 08	3/8" -19	7,1	20,9	6			22
M20513-08-08	12	1/2"	- 08	1/2" -14	9,3	21,4	6,5			27
M20512-08-10	12	1/2"	- 08	5/8" -14	12,1	21,9	10,2			28
M20512-08-12	12	1/2"	- 08	3/4" -14	15	23,4	9			32
M20512-10-10	16	5/8"	- 10	5/8" -14	12,5	21,7	10,2			28
M20512-10-12	16	5/8"	- 10	3/4" -14	15	23,2	9			32
M20512-12-12	20	3/4"	- 12	3/4" -14	15	24,5	9			32
M20512-12-16	20	3/4"	- 12	1" -11	19,8	26	10,5			38
M20512-16-16	25	1"	- 16	1" -11	19,8	27,3	10,5			38



**M20592**

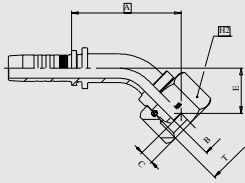
90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 - (THRUST-WIRE NUT)  
*femmina gas 90° cono 60° - BS5200 - (dado spinato)*



**M20593**

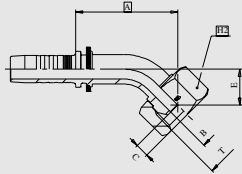
90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 - (SLIP-ON NUT)  
*femmina gas 90° cono 60° - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M20592-03-02	5	3/16"	- 03	1/8" -28	3,1	21,5	4,4	26		14	
M20592-04-02	6	1/4"	- 04	1/8" -28	3,1	28,5	5,4	27		14	
M20593-04-04	6	1/4"	- 04	1/4" -19	4	29,5	5,4	29		19	
M20593-04-06	6	1/4"	- 04	3/8" -19	7	29,5	6	31		22	
M20593-05-06	8	5/16"	- 05	3/8" -19	7	32	6	27,5		22	
M20593-06-06	10	3/8"	- 06	3/8" -19	7	36,5	6	31,5		22	
M20593-06-08	10	3/8"	- 06	1/2" -14	9,3	36,5	6,5	32		27	
M20593-08-08	12	1/2"	- 08	1/2" -14	9,3	45	6,5	36,5		27	
M20592-08-10	12	1/2"	- 08	5/8" -14	12,1	44	10,2	44		28	
M20592-08-12	12	1/2"	- 08	3/4" -14	15	44	9	45,5		32	
M20592-10-10	16	5/8"	- 10	5/8" -14	12,5	53,5	10,2	53,5		28	
M20592-10-12	16	5/8"	- 10	3/4" -14	15	53,5	9	55		32	
M20592-12-12	20	3/4"	- 12	3/4" -14	15,5	61,5	9	59,5		32	
M20592-12-16	20	3/4"	- 12	1" -11	19,8	61,5	10,5	62		38	
M20592-16-16	25	1"	- 16	1" -11	19,8	79,5	10,5	76		38	



**M20542**

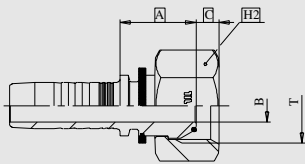
45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)  
*femmina gas 45° cono 60° - BS5200 - (dado spinato)*



**M20543**

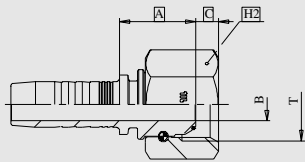
45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 (SLIP-ON NUT)  
*femmina gas 45° cono 60° - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M20542-03-02	5	3/16"	- 03	1/8" -28	3,1	31	4,4	15		14	
M20542-04-02	6	1/4"	- 04	1/8" -28	3,1	35,5	5,4	14,5		14	
M20543 -04-04	6	1/4"	- 04	1/4" -19	4	36	5,4	15		19	
M20543-04-06	6	1/4"	- 04	3/8" -19	7	37,5	6	16		19	
M20543-05-06	8	5/16"	- 05	3/8" -19	7	38	6	13,5		22	
M20543-06-06	10	3/8"	- 06	3/8" -19	7	42	6	15		22	
M20543-06-08	10	3/8"	- 06	1/2" -14	9,3	42,5	6,5	16		27	
M20543-08-08	12	1/2"	- 08	1/2" -14	9,3	49,5	6,5	17		27	
M20542-08-10	12	1/2"	- 08	5/8" -14	12,1	54,5	10,2	22,5		28	
M20542-08-12	12	1/2"	- 08	3/4" -14	15	55,5	9	23,5		32	
M20542-10-10	16	5/8"	- 10	5/8" -14	12,5	63	10,2	26		28	
M20542-10-12	16	5/8"	- 10	3/4" -14	15	64	9	27		32	
M20542-12-12	20	3/4"	- 12	3/4" -14	15,5	70,5	9	28,5		32	
M20542-12-16	20	3/4"	- 12	1" -11	19,8	72,5	10,5	30		38	
M20542-16-16	25	1"	- 16	1" -11	19,8	91	10,5	36,5		38	



**M20812**

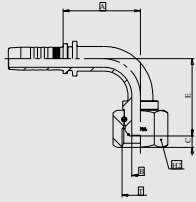
BSP O’RING FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)  
*femmina gas cono 60° o’ring - BS5200 - (dado spinato)*



**M20813**

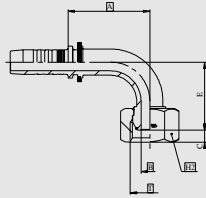
BSP O’RING FEMALE 60° CONE - BS5200 - (SLIP-ON NUT)  
*femmina gas cono 60° o’ring - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C			H <sub>2</sub>	
M20813-04-04	6	1/4"	- 04	1/4" -19		4	17	5,4			19
M20812-06-04	10	3/8"	- 06	1/4" -19		4,1	18,1	5,4			19
M20813-06-06	10	3/8"	- 06	3/8" -19		7	19,6	6			22
M20813-08-08	12	1/2"	- 08	1/2" -14		9,3	21,4	6,5			27
M20812-10-10	16	5/8"	- 10	5/8" -14		12,5	22,1	9,7			28
M20812-12-12	20	3/4"	- 12	3/4" -14		15	25	8,5			32
M20812-16-16	25	1"	- 16	1" -11		19,8	27,3	10,6			38
M20812-16-20	25	1"	- 16	1.1/4" -11		26,1	30,8	10,5			50
M20812-20-20	32	1.1/4"	- 20	1.1/4" -11		26	31,5	10,5			50
M20812-20-24	32	1.1/4"	- 20	1.1/2" -11		32,1	29,5	12,5			60
M20812-24-24	40	1.1/2"	- 24	1.1/2" -11		32	30,5	12,5			60
M20812-24-32	40	1.1/2"	- 24	2" -11		42,1	30	16,1			70
M20812-32-32	50	2"	- 32	2" -11		42	31,9	16,1			70



**M20892**

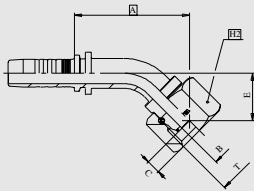
90° BSP O’RING FEMALE 60° CONE - BS5200 - (THRUST-WIRE NUT)  
*femmina gas 90° cono 60° o’ring - BS5200 - (dado spinato)*



**M20893**

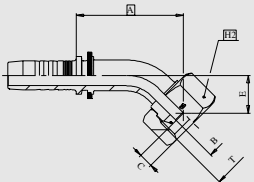
90° BSP O’RING FEMALE 60° CONE - BS5200 - (SLIP-ON NUT)  
*femmina gas 90° cono 60° o’ring - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>2</sub>	
M20893-04-04	6	1/4"	- 04	1/4" -19	4	29,5	5,4	29	19	
M20893-06-06	10	3/8"	- 06	3/8" -19	7	36,5	6	31,5	22	
M20893-08-08	12	1/2"	- 08	1/2" -14	9,3	45	6,5	36,5	27	
M20892-10-10	16	5/8"	- 10	5/8" -14	12,5	53	9,7	55	28	
M20892-12-12	20	3/4"	- 12	3/4" -14	15	61,5	8,5	61	32	
M20892-16-16	25	1"	- 16	1" -11	19,8	79,5	10,6	76	38	
M20892-16-20	25	1"	- 16	1.1/4" -11	26,1	79,5	10,5	78,5	50	
M20892-20-20	32	1.1/4"	- 20	1.1/4" -11	26	93,5	10,5	87,5	50	
M20892-20-24	32	1.1/4"	- 20	1.1/2" -11	32,1	93,5	12,5	89,5	60	
M20892-24-24	40	1.1/2"	- 24	1.1/2" -11	32	111	12,5	101,5	60	
M20892-24-32	40	1.1/2"	- 24	2" -11	42,1	111	16,1	101	70	
M20892-32-32	50	2"	32	2" -11	42	132	16,1	111	70	



**M20842**

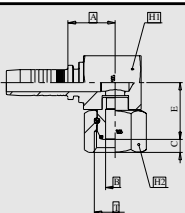
45° BSP O’RING FEMALE 60° CONE - BS5200 (THRUST-WIRE NUT)  
*femmina gas 45° cono 60° o’ring - BS5200 - (dado spinato)*



**M20843**

45° BSP O’RING FEMALE 60° CONE - BS5200 (SLIP-ON NUT)  
*femmina gas 45° cono 60° o’ring - BS5200 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>1</sub>	H <sub>2</sub>
M20843-04-04	6	1/4"	- 04	1/4" -19	4	36	5,4	14,5		19
M20843-06-06	10	3/8"	- 06	3/8" -19	7	42	6	15,5		22
M20843-08-08	12	1/2"	- 08	1/2" -14	9,3	49,5	6,5	17		27
M20842-10-10	16	5/8"	- 10	5/8" -14	12,5	63,5	9,7	27,5		28
M20842-12-12	20	3/4"	- 12	3/4" -14	15,5	71,5	8,5	29,5		32
M20842-16-16	25	1"	- 16	1" -11	19,8	90,5	10,6	35,5		38
M20842-20-20	32	1.1/4"	- 20	1.1/4" -11	26	104,5	10,5	41		50
M20842-24-24	40	1.1/2"	- 24	1.1/2" -11	32	120	12,5	46		60
M20842-32-32	50	2"	- 32	2" -11	42	134	16,1	47		70



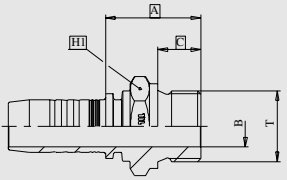
**M20882\***

90° BSP O’RING FEMALE COMPACT ELBOW 60° CONE - BS5200 (THRUST-WIRE NUT)  
*femmina gas 90° cono 60° o’ring tipo compatto - BS5200 - (dado spinato)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>1</sub>	H <sub>2</sub>
M20882-04-04	6	1/4"	- 04	1/4" -19	4,1	17,5	4,1	19,8	17	19
M20882-06-06	10	3/8"	- 06	3/8" -19	7,1	20,1	6	23,9	22	22
M20882-08-08	12	1/2"	- 08	1/2" -14	9,5	23,6	6,5	28,5	27	27
M20882-10-10	16	5/8"	- 10	5/8" -14	12,7	24,7	10,2	29,2	30	28
M20882-12-12	20	3/4"	- 12	3/4" -14	15,5	28	8,5	33	34	32
M20882-16-16	25	1"	- 16	1" -11	20,1	33,3	10,6	37,5	41	38

(\*) Brazed solution.

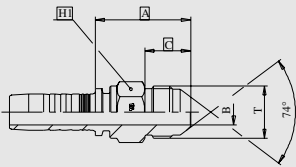
(\*) Soluzione con saldatura.

					<h3>M10610</h3> <p>BSP MALE FLAT SEAT <i>maschio gas cilindrico sede piana</i></p>					
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M10610-04-04	6	1/4"	- 04	1/4" -19	6	25,5	11		19	
M10610-06-06	10	3/8"	- 06	3/8" -19	9,5	28,1	12		22	
M10610-06-08	10	3/8"	- 06	1/2" -14	13	30,6	14		27	
M10610-08-08	12	1/2"	- 08	1/2" -14	13	31,1	14		27	
M10610-12-12	20	3/4"	- 12	3/4" -14	18	35,5	16		32	

					<h3>M20612</h3> <p>BSP FEMALE FLAT SEAT (THRUST-WIRE NUT) <i>femmina gas sede piana (dado spinato)</i></p>					
--	--	--	--	--	--	--	--	--	--	--

					<h3>M20613</h3> <p>BSP FEMALE FLAT SEAT (SLIP-ON NUT) <i>femmina gas sede piana (dado passante)</i></p>					
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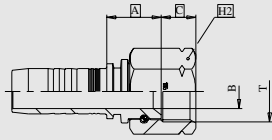
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M20613-04-04	6	1/4"	- 04	1/4" -19	4	14,5	7,9			19
M20613-06-06	10	3/8"	- 06	3/8" -19	7	16,6	9			22
M20613-06-08	10	3/8"	- 06	1/2" -14	9,3	17,5	9,8			27
M20613-08-08	12	1/2"	- 08	1/2" -14	9,3	17,9	9,8			27
M20612-08-12	12	1/2"	- 08	3/4" -14	15	20,9	11,5			32
M20612-10-10	16	5/8"	- 10	5/8" -14	12,5	19,7	12,2			28
M20612-10-12	16	5/8"	- 10	3/4" -14	15	20,7	11,5			32
M20612-12-12	20	3/4"	- 12	3/4" -14	15	22	11,5			32
M20612-12-16	20	3/4"	- 12	1" -11	19,8	23,5	13			38
M20612-16-16	25	1"	- 16	1" -11	19,8	24,8	13			38



**M12510**

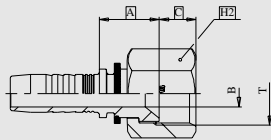
JIC MALE 74° CONE - SAE J514  
 maschio JIC cono 74° - SAE J514

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C		H <sub>1</sub>		
M12510-04-04	6	1/4"	- 04	7/16" - 20		4	28	14		12	
M12510-04-05	6	1/4"	- 04	1/2" - 20		5,5	29	14		14	
M12510-04-06	6	1/4"	- 04	9/16" - 18		7	29	14		17	
M12510-05-05	8	5/16"	- 05	1/2" - 20		5,5	29	14		14	
M12510-05-06	8	5/16"	- 05	9/16" - 18		7	29	14		17	
M12510-06-06	10	3/8"	- 06	9/16" - 18		7	29,6	14		17	
M12510-06-08	10	3/8"	- 06	3/4" - 16		9,3	34,1	16,5		19	
M12510-06-10	10	3/8"	- 06	7/8" - 14		12,5	38,6	19,5		24	
M12510-08-08	12	1/2"	- 08	3/4" - 16		9,3	34,4	16,5		19	
M12510-08-10	12	1/2"	- 08	7/8" - 14		12,5	38,9	19,5		24	
M12510-08-12	12	1/2"	- 08	1.1/16"- 12		15	42,9	22		27	
M12510-10-10	16	5/8"	- 10	7/8"- 14		12,5	39,2	19,5		24	
M12510-10-12	16	5/8"	- 10	1.1/16"- 12		15	42,7	22		27	
M12510-12-12	20	3/4"	- 12	1.1/16"- 12		15	44	22		27	
M12510-12-14	20	3/4"	- 12	1.3/16"- 12		16	44,5	22,5		32	
M12510-12-16	20	3/4"	- 12	1.5/16"- 12		19,8	47	23		34	
M12510-16-12	25	1"	- 16	1.1/16"- 12		15	44,8	22		32	
M12510-16-16	25	1"	- 16	1.5/16"- 12		19,8	47,8	23		34	
M12510-16-20	25	1"	- 16	1.5/8"- 12		26	52,8	24,3		42	
M12510-20-20	32	1.1/4"	- 20	1.5/8"- 12		26	53,5	24,3		42	
M12510-20-24	32	1.1/4"	- 20	1.7/8"- 12		32	60,5	27,5		50	
M12510-24-24	40	1.1/2"	- 24	1.7/8"- 12		32	60,5	27,5		50	
M12510-32-32	50	2"	- 32	2.1/2"- 12		42	71,8	34		65	



**M22512**

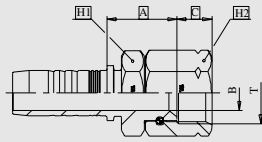
JIC FEMALE 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
*femmina JIC sv. 74° - SAE J514 - (dado spinato)*



**M22513**

JIC FEMALE 74° CONE SEAT - SAE J514 - (SLIP-ON NUT)  
*femmina JIC sv. 74° - SAE J514 - (dado passante)*

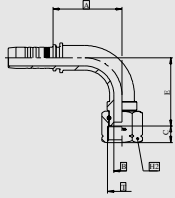
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M22513-03-04	5	3/16"	- 03	7/16" - 20	3	15,1	9			15
M22512-04-04	6	1/4"	- 04	7/16" - 20	4	15,5	8,7			17
M22512-04-05	6	1/4"	- 04	1/2" - 20	4	15,8	9,5			17
M22513-04-06	6	1/4"	- 04	9/16" - 18	4	16,5	9,8			19
M22512-05-05	8	5/16"	- 05	1/2" - 20	5,5	16	9,5			17
M22512-05-06	8	5/16"	- 05	9/16" - 18	7	15,7	9,7			19
M22512-06-06	10	3/8"	- 06	9/16" - 18	7	16,1	9,7			19
M22513-06-08	10	3/8"	- 06	3/4" - 16	7	18,1	11			22
M22513-06-10	10	3/8"	- 06	7/8" - 14	9,3	20,6	12,8			27
M22512-08-08	12	1/2"	- 08	3/4" - 16	9,3	19,9	10,6			22
M22513-08-10	12	1/2"	- 08	7/8" - 14	9,3	21	12,8			27
M22513-08-12	12	1/2"	- 08	1.1/16"- 12	12,5	21,8	14,5			32
M22512-10-10	16	5/8"	- 10	7/8" - 14	12,5	19,9	12,6			27
M22513-10-12	16	5/8"	- 10	1.1/16"- 12	12,5	21,7	14,5			32
M22512-12-10	20	3/4"	- 12	7/8" - 14	12,5	21,5	12,6			27
M22512-12-12	20	3/4"	- 12	1.1/16"- 12	15	22,5	14,4			32
M22512-12-14	20	3/4"	- 12	1.3/16"- 12	15	23,1	14,8			36
M22512-12-16	20	3/4"	- 12	1.5/16"- 12	19,8	23	15,2			38
M22512-16-12	25	1"	- 16	1.1/16"- 12	15	23,3	14,4			32
M22512-16-16	25	1"	- 16	1.5/16"- 12	19,8	23,8	15,2			38
M22512-16-20	25	1"	- 16	1.5/8"- 12	26	29,8	16,2			50
M22512-20-20	32	1.1/4"	- 20	1.5/8"- 12	26	30	16,2			50
M22512-20-24	32	1.1/4"	- 20	1.7/8"- 12	32	35	18,8			60
M22512-24-24	40	1.1/2"	- 24	1.7/8"- 12	32	35	18,8			60
M22512-32-32	50	2"	- 32	2.1/2"- 12	44	35,4	24			75



**M22712**

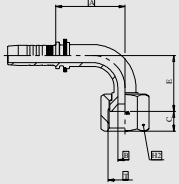
JIC FEMALE 74° CONE SEAT DOUBLE EXAGON - SAE J514 - (THRUST-WIRE NUT)  
 femmina JIC sv. 74° doppio esagono - SAE J514 - (dado spinato)

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M22712-04-04	6	1/4"	- 04	7/16" - 20	4	21	8,7		12	17
M22712-04-05	6	1/4"	- 04	1/2" - 20	4	21,5	9,5		14	17
M22712-04-06	6	1/4"	-04	9/16"-18	7	24,1	9,7		17	19
M22712-05-05	8	5/16"	-05	1/2"-20	5,5	21,5	9,5		14	17
M22712-05-06	8	5/16"	-05	9/16"-18	7	24,1	9,7		17	19
M22712-06-06	10	3/8"	- 06	9/16" - 18	7	24,6	9,7		17	19
M22712-06-08	10	3/8"	- 06	3/4" - 16	9,3	27,1	10,6		19	22
M22712-08-08	12	1/2"	- 08	3/4" - 16	9,3	27,4	10,6		19	22
M22712-08-10	12	1/2"	- 08	7/8" - 14	12,5	28,4	12,6		22	27
M22712-12-12	20	3/4"	- 12	1.1/16" - 12	15	31,5	14,4		27	32
M22712-16-16	25	1"	- 16	1.5/16" - 12	19,8	34,3	15,2		32	38



**M22592**

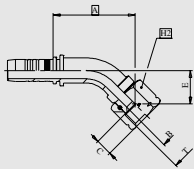
90° JIC FEMALE SWEPT ELBOW 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
*femmina JIC 90° sv. 74° - SAE J514 - (dado spinato)*



**M22593**

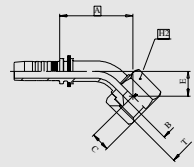
90° JIC FEMALE SWEPT ELBOW 74° CONE SEAT - SAE J514 - (SLIP-ON NUT)  
*femmina JIC 90° sv. 74° - SAE J514 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>2</sub>	
M22593-03-04	5	3/16"	- 03	7/16" - 20	3	26	9	23,5	15	
M22592-04-04	6	1/4"	- 04	7/16" - 20	4	28,5	8,7	27	17	
M22592-04-05	6	1/4"	- 04	1/2" - 20	4	28,5	9,5	27,5	17	
M22593-04-06	6	1/4"	- 04	9/16" - 18	4	29,5	9,8	28	19	
M22592-05-06	8	5/16"	- 05	9/16" - 18	7	31	9,7	28,5	19	
M22592-06-06	10	3/8"	- 06	9/16" - 18	7	35,5	9,7	32,5	19	
M22593-06-08	10	3/8"	- 06	3/4" - 16	7	36,5	11	29,5	22	
M22593-06-10	10	3/8"	- 06	7/8" - 14	9,3	36,5	12,8	31,5	27	
M22592-08-08	12	1/2"	- 08	3/4" - 16	9,3	44	10,6	41	22	
M22593-08-10	12	1/2"	- 08	7/8" - 14	9,3	45	12,8	36	27	
M22593-08-12	12	1/2"	- 08	1.1/16"- 12	12,5	45	14,5	36	32	
M22592-10-10	16	5/8"	- 10	7/8" - 14	12,5	53,5	12,6	52,5	27	
M22593-10-12	16	5/8"	- 10	1.1/16"- 12	12,5	51,5	14,5	50	32	
M22592-12-12	20	3/4"	- 12	1.1/16"- 12	15	62	14,4	58	32	
M22592-12-14	20	3/4"	- 12	1.3/16"- 12	15	62	14,8	58	36	
M22592-12-16	20	3/4"	- 12	1.5/16"- 12	19,8	62	15,2	57,5	38	
M22592-16-16	25	1"	- 16	1.5/16"- 12	19,8	79	15,2	72,5	38	
M22592-16-20	25	1"	- 16	1.5/8"- 12	26	79	16,2	77,5	50	
M22592-20-20	32	1.1/4"	- 20	1.5/8"- 12	26	93,5	16,2	89,5	50	
M22592-20-24	32	1.1/4"	- 20	1.7/8"- 12	32	93,5	18,8	93,5	60	
M22592-24-24	40	1.1/2"	- 24	1.7/8"- 12	32	111	18,8	105,5	60	
M22592-32-32	50	2"	- 32	2.1/2"- 12	44	134	24	137	75	



**M22542**

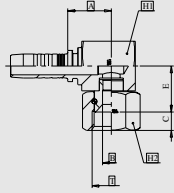
45° JIC FEMALE SWEPT ELBOW 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
*femmina JIC 45° sv. 74° - SAE J514 - (dado spinato)*



**M22543**

45° JIC FEMALE SWEPT ELBOW 74° CONE SEAT - SAE J514 - (SLIP-ON NUT)  
*femmina JIC 45° sv. 74° - SAE J514 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M22542-04-04	6	1/4"	- 04	7/16" - 20	4	35,5	8,7	14,5		17
M22542-04-05	6	1/4"	- 04	1/2" - 20	4	35,7	9,5	14,5		17
M22543-04-06	6	1/4"	- 04	9/16" - 18	4	35,5	9,8	14		19
M22542-05-06	8	5/16"	- 05	9/16" - 18	7	38	9,7	14,5		19
M22542-06-06	10	3/8"	- 06	9/16" - 18	7	42	9,7	16,5		19
M22543-06-08	10	3/8"	- 06	3/4" - 16	7	41	11	14		22
M22543-06-10	10	3/8"	- 06	7/8" - 14	9,3	42,5	12,8	15,5		27
M22542-08-08	12	1/2"	- 08	3/4" - 16	9,3	52	10,6	20		22
M22543-08-10	12	1/2"	- 08	7/8" - 14	9,3	49,5	12,8	17		27
M22543-08-12	12	1/2"	- 08	1.1/16"- 12	12,5	50	14,5	17		32
M22542-10-10	16	5/8"	- 10	7/8" - 14	12,5	62	12,6	25,5		27
M22543-10-12	16	5/8"	- 10	1.1/16"- 12	12,5	60	14,5	24		32
M22542-12-12	20	3/4"	- 12	1.1/16"- 12	15	70	14,4	27,5		32
M22542-12-14	20	3/4"	- 12	1.3/16"- 12	15	69	14,8	27,5		36
M22542-12-16	20	3/4"	- 12	1.5/16"- 12	19,8	70	15,2	27,5		38
M22542-16-16	25	1"	- 16	1.5/16"- 12	19,8	88,5	15,2	34		38
M22542-16-20	25	1"	- 16	1.5/8"- 12	26	92	16,2	37,5		50
M22542-20-20	32	1.1/4"	- 20	1.5/8"- 12	26	106	16,2	42		50
M22542-20-24	32	1.1/4"	- 20	1.7/8"- 12	32	109	18,8	45		60
M22542-24-24	40	1.1/2"	- 24	1.7/8"- 12	32	122,5	18,8	48,5		60
M22542-32-32	50	2"	- 32	2.1/2"- 12	44	156	24	69		75



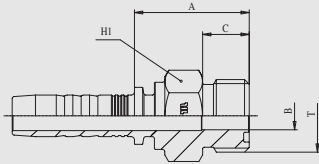
**M22582\***

90° JIC FEMALE COMPACT ELBOW 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
 femmina JIC 90° tipo compatto sv. 74° - SAE J514 - (dado spinato)

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>1</sub>	H <sub>2</sub>
M22582-04-04	6	1/4"	- 04	7/16" - 20	5	17,5	8,7	18,2	17	17
M22582-04-06	6	1/4"	- 04	9/16" - 18	8	20	9,8	20,6	22	19
M22582-06-06	10	3/8"	- 06	9/16" - 18	8	20	9,8	20,6	22	19
M22582-06-08	10	3/8"	- 06	3/4" - 16	9,8	23,1	10,6	25,4	27	22
M22582-08-08	12	1/2"	- 08	3/4" - 16	9,8	23,6	10,6	25,4	27	22
M22582-08-10	12	1/2"	- 08	7/8" - 14	12	23,6	12,8	25,4	27	27
M22582-12-12	20	3/4"	- 12	1.1/16" - 12	15,5	28	14,4	30	34	32
M22582-16-16	25	1"	- 16	1.5/16" - 12	20,5	33,3	15,2	34,3	41	38

(\*) Brazed solution.

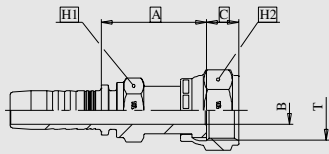
(\*) Soluzione con saldatura.



**M12410**

ORFS MALE - SAE J1453  
*maschio ORFS - SAE J1453*

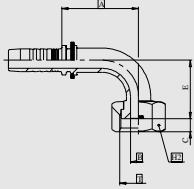
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M12410-04-04	6	1/4"	-04	9/16" - 18	4	24	9,8		16	
M12410-06-06	10	3/8"	-06	11/16" - 16	6,7	27,6	11,2		19	
M12410-08-08	12	1/2"	-08	13/16" - 16	9,3	30,6	12,8		22	
M12410-10-10	16	5/8"	-10	1" - 14	12,5	34,7	15,5		27	
M12410-12-12	19	3/4"	-12	1.3/16" - 12	15	39	17		32	
M12410-16-16	25	1"	-16	1.7/16" - 12	19,8	41,8	17,5		38	
M12410-20-20	31	1 1/4"	-20	1.11/16" - 12	26	46,3	17,5		46	
M12410-24-24	38	1 1/2"	-24	2" - 12	32	48,6	17,5		55	



**M22411**

ORFS FEMALE - SAE J1453 - (CRIMPED-BACK NUT)  
 femmina ORFS - SAE J1453 - (dado pressato)

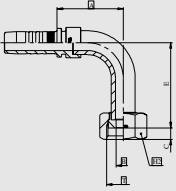
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	H <sub>1</sub>	H <sub>2</sub>	
M22411-04-04	6	1/4"	- 04	9/16" - 18	4	27,5	8	13	19	
M22411-04-06	6	1/4"	- 04	11/16" - 16	7	30	9,5	16	22	
M22411-05-06	8	5/16"	- 05	11/16" - 16	7	30,5	9,5	16	22	
M22411-06-06	10	3/8"	- 06	11/16" - 16	7	31,1	9,5	16	22	
M22411-06-08	10	3/8"	- 06	13/16" - 16	9,3	35,6	11	19	24	
M22411-08-08	12	1/2"	- 08	13/16" - 16	9,3	35,9	11	19	24	
M22411-08-10	12	1/2"	- 08	1" - 14	11,5	38,4	13,5	24	30	
M22411-08-12	12	1/2"	- 08	1.3/16"- 12	13,9	41,9	14,5	28	36	
M22411-10-10	16	5/8"	- 10	1" - 14	11,5	38,7	13,5	24	30	
M22411-12-10	20	3/4"	- 12	1" - 14	11,5	41	13,5	28	30	
M22411-12-12	20	3/4"	- 12	1.3/16"- 12	13,9	43,5	14,5	28	36	
M22411-12-16	20	3/4"	- 12	1.7/16"- 12	19,8	45,5	15	36	41	
M22411-16-16	25	1"	- 16	1.7/16"- 12	19,8	46,3	15	36	41	
M22411-20-20	32	1.1/4"	- 20	1.11/16"- 12	26	49	14,8	41	50	
M22411-24-24	40	1.1/2"	- 24	2" - 12	32	54	15,8	50	60	



**M22493**

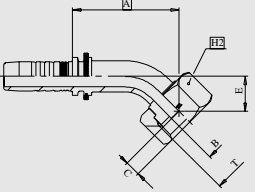
90° ORFS FEMALE - SAE J1453 - (SLIP-ON NUT)  
 femmina ORFS 90° - SAE J1453 - (dado passante)

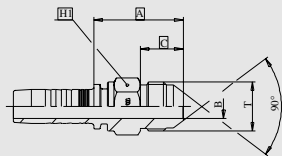
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>2</sub>	
M22493-04-04	6	1/4"	- 04	9/16" - 18	4	27,5	8,2	24	17	
M22493-04-06	6	1/4"	- 04	11/16" - 16	7	27,5	9,5	22	22	
M22493-05-06	8	5/16"	- 05	11/16" - 16	7	32	9,5	23	22	
M22493-06-06	10	3/8"	- 06	11/16" - 16	7	30	9,5	24	22	
M22493-06-08	10	3/8"	- 06	13/16" - 16	9,3	30	11	26,5	24	
M22493-08-08	12	1/2"	- 08	13/16" - 16	9,3	40,5	11	30	24	
M22493-10-10	16	5/8"	- 10	1" - 14	11,5	48	13,5	37,5	30	
M22493-12-12	20	3/4"	- 12	1.3/16"- 12	13,9	56,5	14,5	48	36	
M22493-12-16	20	3/4"	- 12	1.7/16"- 12	19,8	56,5	14,8	47,5	41	
M22493-16-16	25	1"	- 16	1.7/16"- 12	19,8	71,5	14,8	54	41	
M22493-20-20	32	1.1/4"	- 20	1.11/16"- 12	26	83	14,8	65	50	
M22493-24-24	40	1.1/2"	- 24	2" - 12	32	102	14,8	79,5	60	

		<b>M24493*</b>									
		90° ORFS FEMALE LONG DROP - SAE J1453 - (SLIP-ON NUT) <i>femmina ORFS 90° curva lunga - SAE J1453 - (dado passante)</i>									
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M24493-04-04	6	1/4"	- 04	9/16" - 18	4,4	24,5	8,2	45,5		17	
M24493-06-06	10	3/8"	- 06	11/16" - 16	7	31,5	9,5	53,5		22	
M24493-08-08	12	1/2"	- 08	13/16" - 16	10	37	11	63,5		24	
M24493-12-12	20	3/4"	- 12	1.3/16" - 12	15,5	45,5	14,5	96		36	
M24493-16-16	25	1"	- 16	1.7/16" - 12	20,6	58,5	14,8	113,5		41	

(\*) Brazed solution.

(\*) Soluzione con saldatura.

		<b>M22443</b>									
		45° ORFS FEMALE - SAE J1453 - (SLIP-ON NUT) <i>femmina ORFS 45° - SAE J1453 - (dado passante)</i>									
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M22443-04-04	6	1/4"	- 04	9/16" - 18	4	32,5	8,2	12		17	
M22443-04-06	6	1/4"	- 04	11/16" - 16	7	31	9,5	10,5		22	
M22443-06-06	10	3/8"	- 06	11/16" - 16	7	32,5	9,5	11		22	
M22443-06-08	10	3/8"	- 06	13/16" - 16	9,3	34	11	12,5		24	
M22443-08-08	12	1/2"	- 08	13/16" - 16	9,3	42	11	13		24	
M22443-10-10	16	5/8"	- 10	1" - 14	11,5	49	13,5	16		30	
M22443-12-12	20	3/4"	- 12	1.3/16" - 12	13,9	60,5	14,5	21,5		36	
M22443-16-16	25	1"	- 16	1.7/16" - 12	19,8	70,5	14,8	22		41	
M22443-20-20	32	1.1/4"	- 20	1.11/16" - 12	26	81	14,8	26		50	
M22443-24-24	40	1.1/2"	- 24	2" - 12	32	98	14,8	31,5		60	



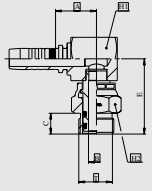
**M12610**

SAE MALE 90° CONE - SAE J516  
 maschio SAE cono 90° - SAE J516

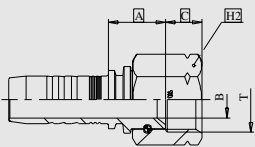
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M12610-06-06	10	3/8"	- 06	5/8" - 18	7	35,1	15,7		17	
M12610-12-12	20	3/4"	- 12	1.1/16" - 14	15	47	25,4		27	

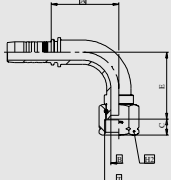
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M13010-04-04	6	1/4"	- 04	7/16" - 20	4	24	9,1		14	
M13010-06-06	10	3/8"	- 06	9/16" - 18	7	25,6	9,9		17	
M13010-06-08	10	3/8"	- 06	3/4" - 16	9,3	28,6	11,1		22	
M13010-08-08	12	1/2"	- 08	3/4" - 16	9,3	28,9	11,1		22	
M13010-08-10	12	1/2"	- 08	7/8" - 14	12,5	31,9	12,7		25	
M13010-10-12	16	5/8"	- 10	1.1/16" - 12	15	37,7	15,1		32	

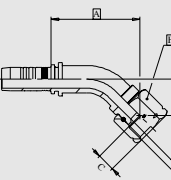
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M14310-08-10	12	1/2"	- 08	7/8" - 14	9,3	42,2	13			27
M14310-10-10	16	5/8"	- 10	7/8" - 14	9,3	41,4	13			27
M14310-12-12	20	3/4"	- 12	1.1/16" - 12	12,5	47,8	15			32

					<p><b>M14390*</b></p> <p>90° SAE SWIVEL MALE O'RING BOSS TYPE - SAE J514  <i>maschio SAE o'ring girevole 90° - SAE J514</i></p>						
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E	H <sub>1</sub>	H <sub>2</sub>	
M14390-08-10	12	1/2"	- 08	7/8" - 14	9,3	27,5	13	47,5	27	27	
M14390-10-10	16	5/8"	- 10	7/8" - 14	9,3	28	13	47,5	27	27	
M14390-12-12	20	3/4"	- 12	1.1/16" - 12	12,5	27,5	15	55,5	32	32	

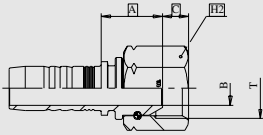
(\*) Brazed solution.  
 (\*) Soluzione con saldatura.

					<p><b>M22612</b></p> <p>SAE FEMALE 90° CONE SEAT - SAE J516 - (THRUST-WIRE NUT)  <i>femmina SAE sv. 90° - SAE J516 - (dado spinato)</i></p>						
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C			H <sub>2</sub>	
M22612-06-06	10	3/8"	- 06	5/8" - 18	7	16,6	10,8			22	
M22612-12-12	20	3/4"	- 12	1.1/16" - 14	15	22,7	14,4			32	

					<b>M22692</b>					
90° SAE FEMALE SWEPT ELBOW 90° CONE SEAT - SAE J516 - (THRUST-WIRE NUT) <i>femmina SAE 90° sv. 90° - SAE J516 - (dado spinato)</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M22692-06-06	10	3/8"	- 06	5/8" - 18	7	35,5	10,8	33		22
M22692-12-12	20	3/4"	- 12	1.1/6" - 14	15	62	14,4	58		32

					<b>M22642</b>					
45° SAE FEMALE SWEPT ELBOW 90° CONE SEAT - SAE J516 - (THRUST-WIRE NUT) <i>femmina SAE 45° sv. 90° - SAE J516 - (dado spinato)</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M22642-06-06	10	3/8"	- 06	5/8" - 18	7	42,5	10,8	16,5		22
M22642-12-12	20	3/4"	- 12	1.1/6"-14	15	70	14,4	27,5		32

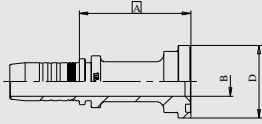




**M22812**

NPSM FEMALE 60° CONE (THRUST-WIRE NUT)  
 femmina NPSM cono 60° (dado spinato)

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M22812-04-04	6	1/4"	- 04	1/4" - 18	4	17,5	4,2			19
M22812-06-06	10	3/8"	- 06	3/8" - 18	7	20,9	6			22
M22812-08-08	12	1/2"	- 08	1/2" - 14	9,3	22,8	6,5			27
M22812-12-12	20	3/4"	- 12	3/4" - 14	15	24,5	9			32
M22812-16-16	25	1"	- 16	1" - 11,5	19,8	27,3	10,5			38

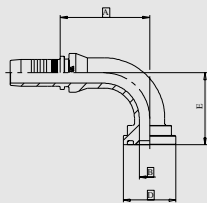


**M23311**

STRAIGHT SAE FLANGE 3000 psi - CODE 61 SAE J518  
 flangia diritta SAE 3000 psi - CODE 61 SAE J518

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D			
M23311-08-08	12	1/2"	- 08	1/2"	9,3	50,9	30,3			
M23311-08-12	12	1/2"	- 08	3/4"	15	57,7	38			
M23311-10-12	16	5/8"	- 10	3/4"	15	65,7	38			
M23311-12-12	20	3/4"	- 12	3/4"	15	58	38			
M23311-12-16	20	3/4"	- 12	1"	20	58	44,6			
M23311-16-16	25	1"	- 16	1"	19,8	64,3	44,6			
M23311-16-20	25	1"	- 16	1.1/4"	26	70,3	51			
M23311-20-20	32	1.1/4"	- 20	1.1/4"	26	70,5	51			
M23311-20-24	32	1.1/4"	- 20	1.1/2"	32	72,5	60,5			
M23311-24-24	40	1.1/2"	- 24	1.1/2"	32	75,6	60,5			
M23311-24-32	40	1.1/2"	- 24	2"	42	75,6	71,6			
M23311-32-32	50	2"	- 32	2"	42	78,9	71,6			
M23311-32-40	50	2"	- 32	2.1/2"	56	80,9	84,3			
M23311-38-40	60	2.3/8"	- 38	2. 1/2"	56	84	84,3			
M23311-40-40*	63	2.1/2"	-40	2. 1/2"	56	84	84,3			
M23311-48-48*	76	3"	-48	3"	69	86	101,6			

With the exception of (\*) all items made from solid.  
 Ad eccezione di (\*) tutti i riferimenti sono a pezzo unico.

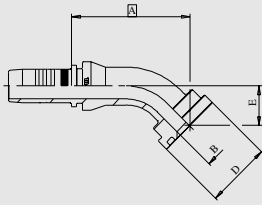


**M23391**

90° SAE FLANGE 3000 psi - CODE 61 SAE J518  
 flangia 90° SAE 3000 psi - CODE 61 SAE J518

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M23391-08-08	12	1/2"	- 08	1/2"	9,3	54,5	30,3	40		
M23391-08-12	12	1/2"	- 08	3/4"	15	54,5	38	41		
M23391-10-12	16	5/8"	- 10	3/4"	15	56	38	47,5		
M23391-12-12	20	3/4"	- 12	3/4"	15	64,5	38	52		
M23391-12-16	20	3/4"	- 12	1"	20	64,5	44,6	52		
M23391-16-16	25	1"	- 16	1"	19,8	79,5	44,6	66		
M23391-16-20	25	1"	- 16	1.1/4"	26	79,5	51	66		
M23391-20-20	32	1.1/4"	- 20	1.1/4"	26	93,5	51	75		
M23391-20-24	32	1.1/4"	- 20	1.1/2"	32	93,5	60,5	77		
M23391-24-24	40	1.1/2"	- 24	1.1/2"	32	111	60,5	89		
M23391-24-32	40	1.1/2"	- 24	2"	42	111	71,6	89		
M23391-32-32	50	2"	- 32	2"	42	129	71,6	99		
M23391-40-40*	63	2.1/2"	-40	2.1/2"	56	117	84,3	114		
M23391-48-48*	76	3"	-48	3"	69	132	101,6	125		

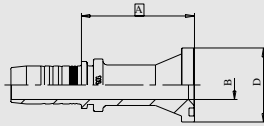
With the exception of (\*) all items made from solid.  
 Ad eccezione di (\*) tutti i riferimenti sono a pezzo unico.



**M23341**

45° SAE FLANGE 3000 psi - CODE 61 SAE J518  
 flangia 45° SAE 3000 psi - CODE 61 SAE J518

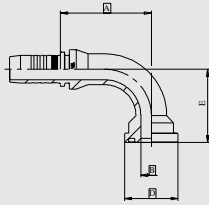
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M23341-08-08	12	1/2"	- 08	1/2"	9,3	58,5	30,3	18,5		
M23341-08-12	12	1/2"	- 08	3/4"	15	59,5	38	19		
M23341-10-12	16	5/8"	- 10	3/4"	15	61	38	22		
M23341-12-12	20	3/4"	- 12	3/4"	15	68,5	38	23		
M23341-12-16	20	3/4"	- 12	1"	20	68,5	44,6	23		
M23341-16-16	25	1"	- 16	1"	19,8	84	44,6	29,5		
M23341-16-20	25	1"	- 16	1.1/4"	26	84	51	29,5		
M23341-20-20	32	1.1/4"	- 20	1.1/4"	26	95,5	51	32		
M23341-20-24	32	1.1/4"	- 20	1.1/2"	32	97	60,5	33,5		
M23341-24-24	40	1.1/2"	- 24	1.1/2"	32	111	60,5	37		
M23341-24-32	40	1.1/2"	- 24	2"	42	111	71,6	37		
M23341-32-32	50	2"	- 32	2"	42	124	71,6	39,5		



**M23611**

STRAIGHT SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia diritta SAE 6000 psi - CODE 62 SAE J518

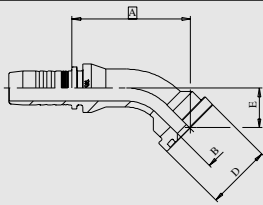
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D			
M23611-08-08	12	1/2"	- 08	1/2"	9,3	52,1	31,8			
M23611-08-12	12	1/2"	- 08	3/4"	15	68,4	41,5			
M23611-10-12	16	5/8"	- 10	3/4"	15	70,2	41,5			
M23611-12-12	20	3/4"	- 12	3/4"	15	69	41,5			
M23611-12-16	20	3/4"	- 12	1"	20	81	47,7			
M23611-16-16	25	1"	- 16	1"	19,8	82,3	47,7			
M23611-16-20	25	1"	- 16	1.1/4"	26	89,8	54,2			
M23611-20-20	32	1.1/4"	- 20	1.1/4"	26	84,5	54,2			
M23611-20-24	32	1.1/4"	- 20	1.1/2"	32	90,5	63,7			
M23611-24-24	40	1.1/2"	- 24	1.1/2"	32	92,6	63,7			
M23611-32-32	50	2"	- 32	2"	42	107,9	79,6			



**M23691**

90° SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia 90° SAE 6000 psi - CODE 62 SAE J518

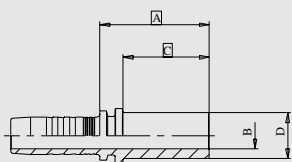
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M23691-08-08	12	1/2"	- 08	1/2"	9,3	54,5	31,8	45		
M23691-08-12	12	1/2"	- 08	3/4"	15	54,5	41,5	53		
M23691-10-12	16	5/8"	- 10	3/4"	15	56	41,5	58		
M23691-10-16	16	5/8"	- 10	1"	19,8	56	47,7	64		
M23691-12-12	20	3/4"	- 12	3/4"	15	64	41,5	61		
M23691-12-16	20	3/4"	- 12	1"	20	64,5	47,7	67		
M23691-16-16	25	1"	- 16	1"	19,8	74,5	47,7	73		
M23691-16-20	25	1"	- 16	1.1/4"	26	74,5	54,2	80		
M23691-20-20	32	1.1/4"	- 20	1.1/4"	26	88,5	54,2	91		
M23691-20-24	32	1.1/4"	- 20	1.1/2"	32	88,5	63,7	99,5		
M23691-24-24	40	1.1/2"	- 24	1.1/2"	32	108	63,7	107,5		
M23691-24-32	40	1.1/2"	- 24	2"	42	108	79,6	123,5		
M23691-32-32	50	2"	- 32	2"	42	134	79,6	132		



**M23641**

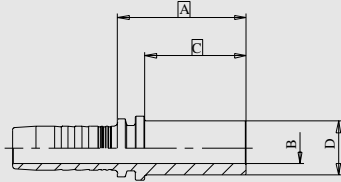
45° SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia 45° SAE 6000 psi - CODE 62 SAE J518

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M23641-08-08	12	1/2"	- 08	1/2"	9,3	62	31,8	22		
M23641-08-12	12	1/2"	- 08	3/4"	15	68	41,5	27,5		
M23641-10-08	16	5/8"	- 10	1/2"	9,3	62,5	31,8	23,5		
M23641-10-12	16	5/8"	- 10	3/4"	15	67,5	41,5	31		
M23641-12-12	20	3/4"	- 12	3/4"	15	74	41,5	29,5		
M23641-12-16	20	3/4"	- 12	1"	20	79	47,7	33,5		
M23641-16-16	25	1"	- 16	1"	19,8	84	47,7	34		
M23641-16-20	25	1"	- 16	1.1/4"	26	89	54,2	39		
M23641-20-20	32	1.1/4"	- 20	1.1/4"	26	102	54,2	43,5		
M23641-20-24	32	1.1/4"	- 20	1.1/2"	32	108	63,7	49		
M23641-24-24	40	1.1/2"	- 24	1.1/2"	32	121	63,7	50		
M23641-32-32	50	2"	- 32	2"	42	147,5	79,6	60,5		


**M22010**

METRIC STANDPIPE STRAIGHT L.T. - DIN 2353  
*estremità tubolare serie leggera - DIN 2353*

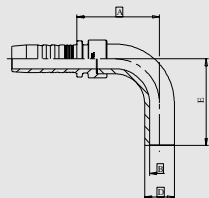
PART. REF.	HOSE BORE			PIPE D	DIMENSIONS mm					
	DN	inch	Size		B	A	C			
M22010-03-06	5	3/16"	- 03	6	3	28,6	22			
M22010-04-06	6	1/4"	- 04	6	3	29,5	22			
M22010-05-10	8	5/16"	- 05	10	7	30,5	23			
M22010-06-10	10	3/8"	- 06	10	7	30,6	23			
M22010-06-12	10	3/8"	- 06	12	8	30,6	23			
M22010-06-15	10	3/8"	- 06	15	10,5	32,6	25			
M22010-08-12	12	1/2"	- 08	12	8	30,9	23			
M22010-08-15	12	1/2"	- 08	15	10,5	32,9	25			
M22010-08-18	12	1/2"	- 08	18	12,5	33,9	26			
M22010-10-18	16	5/8"	- 10	18	12,5	34,2	26			
M22010-10-22	16	5/8"	- 10	22	15	36,2	28			
M22010-12-22	20	3/4"	- 12	22	15	38	28			
M22010-16-28	25	1"	- 16	28	20,5	41,3	30			
M22010-20-35	32	1.1/4"	- 20	35	26	48,5	36			
M22010-24-42	40	1.1/2"	- 24	42	32	52,6	40			



**M22010**

METRIC STANDPIPE STRAIGHT H.T. - DIN 2353  
 estremità tubolare serie pesante - DIN 2353

PART. REF.	HOSE BORE			PIPE D	DIMENSIONS mm					
	DN	inch	Size		B	A	C			
M22010-03-08	5	3/16"	- 03	8	3	30,6	24			
M22010-04-08	6	1/4"	- 04	8	4	31,5	24			
M22010-04-10	6	1/4"	- 04	10	4	33,5	26			
M22010-04-12	6	1/4"	- 04	12	7	33,5	26			
M22010-05-12	8	5/16"	- 05	12	7	33,5	26			
M22010-06-14	10	3/8"	- 06	14	8	36,6	29			
M22010-08-14	12	1/2"	- 08	14	9,3	36,9	29			
M22010-08-16	12	1/2"	- 08	16	10,5	37,9	30			
M22010-10-20	16	5/8"	- 10	20	12,5	44,2	36			
M22010-12-20	20	3/4"	- 12	20	15	46	36			
M22010-12-25	20	3/4"	- 12	25	15	50	40			
M22010-16-25	25	1"	- 16	25	15	51,3	40			
M22010-16-30	25	1"	- 16	30	20,5	55,3	44			
M22010-16-38	25	1"	- 16	38	26	61,3	50			
M22010-20-30	32	1.1/4"	- 20	30	20,5	56,5	44			
M22010-20-38	32	1.1/4"	- 20	38	26	62,5	50			
M22010-24-38	40	1.1/2"	- 24	38	26	62,6	50			

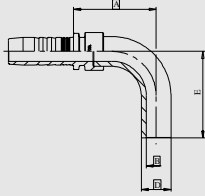

**M22090\***

90° METRIC STANDPIPE L.T. - DIN 2353  
 estremità tubolare 90° serie leggera - DIN 2353

PART. REF.	HOSE BORE			PIPE	DIMENSIONS mm					
	DN	inch	Size	D	B	A		E		
M22090-03-06	5	3/16"	- 03	6	4	24,5		36		
M22090-04-06	6	1/4"	- 04	6	4	25,5		36		
M22090-05-10	8	5/16"	- 05	10	7	31,5		42		
M22090-06-10	10	3/8"	- 06	10	7	31,5		42		
M22090-06-12	10	3/8"	- 06	12	8	34		45		
M22090-08-15	12	1/2"	- 08	15	11	38,5		52,5		
M22090-08-18	12	1/2"	- 08	18	15	44		58		
M22090-10-18	16	5/8"	- 10	18	15	44		58		
M22090-10-22	16	5/8"	- 10	22	18	47		65		
M22090-12-22	20	3/4"	- 12	22	18	47,5		65		
M22090-16-28	25	1"	- 16	28	24	59,5		77		
M22090-20-35	32	1.1/4"	- 20	35	29	73		95		

(\*) Brazed solution.

(\*) Soluzione con saldatura.



**M22090\***

90° METRIC STANDPIPE H.T. - DIN 2353  
 estremità tubolare 90° serie pesante - DIN 2353

PART. REF.	HOSE BORE			PIPE D	DIMENSIONS mm					
	DN	inch	Size		B	A		E		
M22090-04-08	6	1/4"	- 04	8	5	28,5		39		
M22090-04-10	6	1/4"	- 04	10	7	31,5		42		
M22090-04-12	6	1/4"	- 04	12	8	34,5		45		
M22090-05-12	8	5/16"	- 05	12	8	34,5		45		
M22090-06-14	10	3/8"	- 06	14	10	37		52		
M22090-08-14	12	1/2"	- 08	14	10	38		52		
M22090-08-16	12	1/2"	- 08	16	12	41		55		
M22090-10-20	16	5/8"	- 10	20	15	47		65		
M22090-12-20	20	3/4"	- 12	20	15	47,5		65		
M22090-12-25	20	3/4"	- 12	25	20	57		75,5		
M22090-16-25	25	1"	- 16	25	20	58		75,5		
M22090-16-30	25	1"	- 16	30	25	67,5		87		

(\*) Brazed solution.  
 (\*) Soluzione con saldatura.

PART. REF.	HOSE BORE			PIPE	DIMENSIONS mm					
	DN	inch	Size	D	B	A	E			
M22040-04-06	6	1/4"	-04	6	4	41	22			
M22040-05-10	8	5/16"	-05	10	7	46,5	23,5			
M22040-06-10	10	3/8"	-06	10	7	46,5	23,5			
M22040-06-12	10	3/8"	-06	12	8	48	24,5			
M22040-08-15	12	1/2"	-08	15	11	55	28,5			
M22040-08-18	12	1/2"	-08	18	15	60	30			
M22040-10-18	16	5/8"	-10	18	15	60,5	30			
M22040-12-22	20	3/4"	-12	22	18	65,5	33,5			
M22040-16-28	25	1"	-16	28	24	77	38,5			
M22040-20-35	32	1.1/4"	-20	35	29	95,5	47,5			

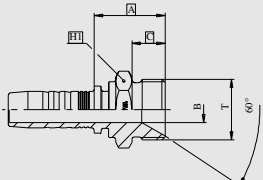
(\*) Brazed solution.

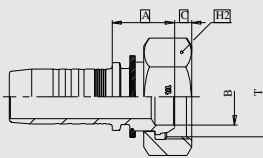
(\*) Soluzione con saldatura.

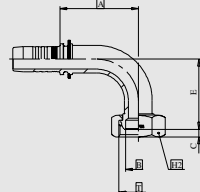
PART. REF.	HOSE BORE			PIPE	DIMENSIONS mm					
	DN	inch	Size	D	B	A	E			
M22040-04-08	6	1/4"	-04	8	5	44	23			
M22040-04-10	6	1/4"	-04	10	7	46,5	23,5			
M22040-06-14	10	3/8"	-06	14	10	53	28,5			
M22040-08-14	12	1/2"	-08	14	10	54	28,5			
M22040-08-16	12	1/2"	-08	16	12	58	29,5			
M22040-10-20	16	5/8"	-10	20	15	65	33,5			
M22040-12-25	20	3/4"	-12	25	20	75	38			
M22040-16-25	25	1"	-16	25	20	76	38			

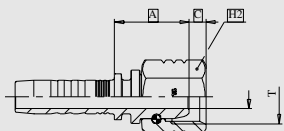
(\*) Brazed solution.

(\*) Soluzione con saldatura.

					<b>M11010</b>					
METRIC MALE 60° CONE SEAT - DIN 3853/3863 <i>maschio metrico sv. 60° - DIN 3853/3863</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M11010-04-14	6	1/4"	- 04	M 14x1,5	4	20,5	9		17	
M11010-06-18	10	3/8"	- 06	M 18x1,5	7	23,6	11		22	
M11010-08-22	12	1/2"	- 08	M 22x1,5	9,3	25,6	12		24	
M11010-10-26	16	5/8"	- 10	M 26x1,5	12,5	25,7	12		27	
M11010-12-30	20	3/4"	- 12	M 30x1,5	15	29	14		32	
M11010-16-38	25	1"	- 16	M 38x1,5	19,8	31,3	14		41	

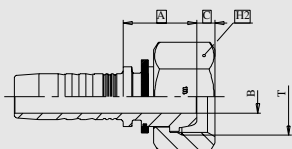
					<b>M21013</b>					
METRIC FEMALE 60° CONE - DIN 3863 <i>femmina metrica sv. 60° - DIN 3863</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>2</sub>	
M21013-12-30	20	3/4"	- 12	M 30x1,5	20	21	8,1		36	
M21013-16-38	25	1"	- 16	M 38x1,5	26	22,8	7,6		46	
M21013-20-45	32	1.1/4"	- 20	M 45x1,5	33	23,5	8,1		50	
M21013-24-52	40	1.1/2"	- 24	M 52x1,5	40	25	8,1		60	

					<b>M21093</b>					
90° METRIC FEMALE SWEPT ELBOW 60° CONE - DIN 3863 <i>femmina metrica 90° cono 60° - DIN 3863</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>2</sub>	
M21093-12-30	20	3/4"	- 12	M 30x1,5	20	61,5	8,1	54,5	36	
M21093-16-38	25	1"	- 16	M 38x1,5	26	76,5	7,6	63	46	



**M21312**

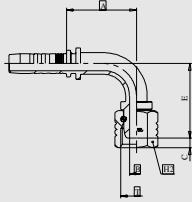
METRIC FEMALE MULTISEAL - DIN 3868 - (THRUST-WIRE NUT)  
*femmina metrica cono universale - DIN 3868 - (dado spinato)*



**M21313**

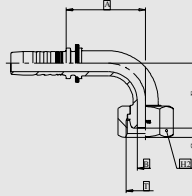
METRIC FEMALE MULTISEAL - DIN 3868 - (SLIP-ON NUT)  
*femmina metrica cono universale - DIN 3868 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C			H <sub>2</sub>
M21313-03-12	5	3/16"	- 03	M 12x1,5	3	18,6	3,7			14
M21313-04-14	6	1/4"	- 04	M 14x1,5	4	19,5	3,8			17
M21313-04-16	6	1/4"	- 04	M 16x1,5	4	19,5	4			19
M21313-05-16	8	5/16"	- 05	M 16x1,5	5,5	19,5	4			19
M21313-05-18	8	5/16"	- 05	M 18x1,5	5,5	19,6	4			22
M21312-06-16	10	3/8"	- 06	M 16x1,5	7	21,6	5			19
M21313-06-18	10	3/8"	- 06	M 18x1,5	7	20,1	4			22
M21313-06-22	10	3/8"	- 06	M 22x1,5	7	21,1	5,2			27
M21313-08-22	12	1/2"	- 08	M 22x1,5	9,3	21,5	5,2			27
M21313-10-26	16	5/8"	- 10	M 26x1,5	12,5	22,1	5,5			32



**M21392**

90° METRIC FEMALE SWEPT ELBOW MULTISEAL - DIN 3868 - (THRUST-WIRE NUT)  
*femmina metrica 90° cono universale - DIN 3868 - (dado spinato)*

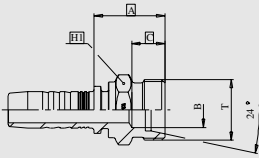


**M21393**

90° METRIC FEMALE SWEPT ELBOW MULTISEAL - DIN 3868 - (SLIP-ON NUT)  
*femmina metrica 90° cono universale - DIN 3868 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E	H <sub>2</sub>	
M21393-03-12	5	3/16"	- 03	M 12x1,5	6	3	26	3,7	27	14	
M21393-04-14	6	1/4"	- 04	M 14x1,5	8	4	29,5	3,8	29,5	17	
M21393-04-16	6	1/4"	- 04	M 16x1,5	10	4	29,5	4	29,5	19	
M21393-05-16	8	5/16"	- 05	M 16x1,5	10	5,5	32	4	29	19	
M21392-06-16	10	3/8"	- 06	M 16x1,5	10	7	35,5	5	38	19	
M21393-06-18	10	3/8"	- 06	M 18x1,5	12	7	36,5	4	31,5	22	
M21393-06-22	10	3/8"	- 06	M 22x1,5	15	7	36,5	5,2	32	27	
M21393-08-22	12	1/2"	- 08	M 22x1,5	15	9,3	45	5,2	36,5	27	
M21393-10-26	16	5/8"	- 10	M 26x1,5	18	12,5	51,5	5,5	50	32	

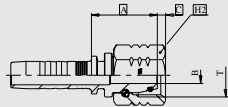




**M11110**

METRIC MALE 24° CONE SEAT L.T. - DIN 3853/3861  
*maschio metrico 24° serie leggera - DIN 3853/3861*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C		H <sub>1</sub>	
M11110-04-12	6	1/4"	- 04	M 12x1,5	6	4	21,5	10		14	
M11110-04-14	6	1/4"	- 04	M 14x1,5	8	4	21,5	10		14	
M11110-04-16	6	1/4"	- 04	M 16x1,5	10	7	23,5	11		17	
M11110-05-16	8	5/16"	- 05	M 16x1,5	10	7	24	11		17	
M11110-05-18	8	5/16"	- 05	M 18x1,5	12	9	24	11		19	
M11110-06-16	10	3/8"	- 06	M 16x1,5	10	7	24,1	11		17	
M11110-06-18	10	3/8"	- 06	M 18x1,5	12	9	24,6	11		19	
M11110-06-22	10	3/8"	- 06	M 22x1,5	15	10	25,6	12		22	
M11110-08-18	12	1/2"	- 08	M 18x1,5	12	9,3	24,6	11		22	
M11110-08-22	12	1/2"	- 08	M 22x1,5	15	10	25,6	12		22	
M11110-08-26	12	1/2"	- 08	M 26x1,5	18	12,5	26,4	12		27	
M11110-10-26	16	5/8"	- 10	M 26x1,5	18	12,5	26,7	12		27	
M11110-12-30	20	3/4"	- 12	M 30x2	22	15	30	14		30	
M11110-16-36	25	1"	- 16	M 36x2	28	20	32,3	14		36	
M11110-20-45	32	1.1/4"	- 20	M 45x2	35	26	40,5	16		46	
M11110-24-52	40	1.1/2"	- 24	M 52x2	42	32	42,6	16		55	



**M21512**

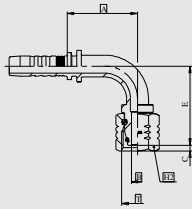
O-RING METRIC FEMALE 24° CONE L.T. - DIN 3865 - (THRUST-WIRE NUT)  
*femmina metrica cono 24° o'ring; serie leggera - DIN 3865 - (dado spinato)*



**M21513**

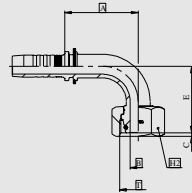
O-RING METRIC FEMALE 24° CONE L.T. - DIN 3865 - (SLIP-ON NUT)  
*femmina metrica cono 24° o'ring; serie leggera - DIN 3865 - (dado passante)*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C			H <sub>2</sub>
M21513-03-12	5	3/16"	- 03	M 12x1,5	6	3	24,1	1,7			14
M21512-04-12	6	1/4"	- 04	M 12x1,5	6	3	21,1	2,2			17
M21513-04-14	6	1/4"	- 04	M 14x1,5	8	4	25	1,7			17
M21513-04-16	6	1/4"	- 04	M 16x1,5	10	6	26	2,1			19
M21513-04-18	6	1/4"	- 04	M 18x1,5	12	7	26,1	2,3			22
M21513-05-16	8	5/16"	- 05	M 16x1,5	10	6	26	2,1			19
M21513-05-18	8	5/16"	- 05	M 18x1,5	12	7	26,1	2,3			22
M21512-06-16	10	3/8"	- 06	M 16x1,5	10	6	23,1	3			19
M21513-06-18	10	3/8"	- 06	M 18x1,5	12	7	26,6	2,3			22
M21513-06-22	10	3/8"	- 06	M 22x1,5	15	9,3	29,3	2,3			27
M21513-08-22	12	1/2"	- 08	M 22x1,5	15	9,3	29,7	2,3			27
M21513-08-26	12	1/2"	- 08	M 26x1,5	18	12,5	30,3	2,5			32
M21513-10-26	16	5/8"	- 10	M 26x1,5	18	12,5	30,2	2,5			32
M21513-12-30	20	3/4"	- 12	M 30x2	22	15	33,5	3,6			36
M21513-12-36	20	3/4"	- 12	M 36x2	28	20	34,2	3,8			41
M21513-16-36	25	1"	- 16	M 36x2	28	19,8	35,3	3,8			41
M21513-20-45	32	1.1/4"	- 20	M 45x2	35	26	39,5	5,1			50
M21513-24-52	40	1.1/2"	- 24	M 52x2	42	32	40	5,1			60



**M21592**

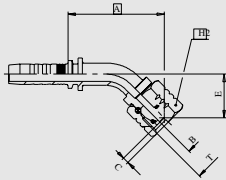
90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. - DIN 3865 - (THRUST-WIRE NUT)  
 femmina metrica 90° cono 24° o'ring; serie leggera - DIN 3865 - (dado spinato)



**M21593**

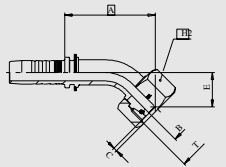
90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE L.T. - DIN 3865 (SLIP-ON NUT)  
 femmina metrica 90° cono 24° o'ring; serie leggera - DIN 3865 - (dado passante)

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21593-03-12	5	3/16"	- 03	M 12x1,5	6	3	26	1,7	30		14
M21592-04-12	6	1/4"	- 04	M 12x1,5	6	3	28,5	2,2	32,5		17
M21593-04-14	6	1/4"	- 04	M 14x1,5	8	4	29,5	1,7	31,5		17
M21593-04-16	6	1/4"	- 04	M 16x1,5	10	6	29,5	2,1	32		19
M21593-04-18	6	1/4"	- 04	M 18x1,5	12	7	29,5	2,3	33		22
M21592-05-14	8	5/16"	- 05	M 14x1,5	8	3	28,5	2,2	32,5		17
M21593-05-16	8	5/16"	- 05	M 16x1,5	10	6	32	2,1	32,5		19
M21593-05-18	8	5/16"	- 05	M 18x1,5	12	7	32	2,3	35		27
M21592-06-16	10	3/8"	- 06	M 16x1,5	10	6	35,5	3	40		19
M21593-06-18	10	3/8"	- 06	M 18x1,5	12	7	36,5	2,3	33,5		22
M21593-06-22	10	3/8"	- 06	M 22x1,5	15	9,3	36,5	2,3	35		27
M21593-08-22	12	1/2"	- 08	M 22x1,5	15	9,3	45	2,3	39,5		27
M21593-08-26	12	1/2"	- 08	M 26x1,5	18	12,5	45	2,5	40		32
M21593-10-26	16	5/8"	- 10	M 26x1,5	18	12,5	51,5	2,5	53		32
M21593-10-30	16	5/8"	- 10	M 30x2	22	15	51,5	3,6	54		36
M21592-12-26	20	3/4"	- 12	M 26x1,5	18	12,5	61,5	3,6	63		32
M21593-12-30	20	3/4"	- 12	M 30x2	22	15	61,5	3,6	59		36
M21593-16-36	25	1"	- 16	M 36x2	28	19,8	76,5	3,8	69,5		41
M21593-20-45	32	1.1/4"	- 20	M 45x2	35	26	93,5	5,1	81		50
M21593-24-52	40	1.1/2"	- 24	M 52x2	42	32	110,5	5,1	101		60



**M21542**

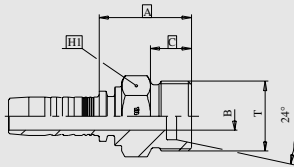
45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T. - DIN 3865 - (THRUST-WIRE NUT)  
 femmina metrica 45° cono 24° o'ring; serie leggera - DIN 3865 - (dado spinato)



**M21543**

45° O-RING METRIC FEMALE SWEEP ELBOW 24° CONE L.T. - DIN 3865 - (SLIP-ON NUT)  
 femmina metrica 45° cono 24° o'ring; serie leggera - DIN 3865 - (dado passante)

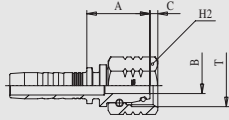
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21542-04-12	6	1/4"	- 04	M 12x1,5	6	3	39	2,2	18		17
M21543-04-14	6	1/4"	- 04	M 14x1,5	8	4	38	1,7	16,5		17
M21543-04-16	6	1/4"	- 04	M 16x1,5	10	6	38	2,1	17		19
M21543-05-16	8	5/16"	- 05	M 16x1,5	10	6	41,5	2,1	17,5		19
M21542-06-16	10	3/8"	- 06	M 16x1,5	10	6	47,5	3	21,5		19
M21543-06-18	10	3/8"	- 06	M 18x1,5	12	7	43,5	2,3	16,5		22
M21543-06-22	10	3/8"	- 06	M 22x1,5	15	9,3	45	2,3	18		27
M21543-08-22	12	1/2"	- 08	M 22x1,5	15	9,3	52	2,3	19		27
M21543-10-26	16	5/8"	- 10	M 26x1,5	18	12,5	62	2,5	26,5		32
M21543-12-30	20	3/4"	- 12	M 30x2	22	15	71	3,6	28,5		36
M21543-16-36	25	1"	- 16	M 36x2	28	19,8	85	3,8	32		41
M21543-20-45	32	1.1/4"	- 20	M 45x2	35	26	100	5,1	36		50
M21543-24-52	40	1.1/2"	- 24	M 52x2	42	32	119	5,1	45,5		60



**M11210**

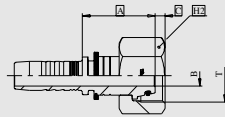
METRIC MALE 24° CONE SEAT H.T. - DIN 3853/3861  
*maschio metrico 24° - serie pesante - DIN 3853/3861*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C		H <sub>1</sub>	
M11210-04-16	6	1/4"	- 04	M 16x1,5	8	4	25,5	12		17	
M11210-04-18	6	1/4"	- 04	M 18x1,5	10	6	26,5	12		19	
M11210-05-20	8	5/16"	- 05	M 20x1,5	12	7	29	12		22	
M11210-05-24	8	5/16"	- 05	M 24x1,5	16	12,5	30,7	14		24	
M11210-06-18	10	3/8"	- 06	M 18x1,5	10	7	27,1	12		19	
M11210-06-20	10	3/8"	- 06	M 20x1,5	12	7	29,1	12		22	
M11210-06-22	10	3/8"	- 06	M 22x1,5	14	8	31,1	14		22	
M11210-08-22	12	1/2"	- 08	M 22x1,5	14	9,3	31,5	14		22	
M11210-08-24	12	1/2"	- 08	M 24x1,5	16	9,3	31,6	14		24	
M11210-10-30	16	5/8"	- 10	M 30x2	20	15	35,7	16		30	
M11210-12-30	20	3/4"	- 12	M 30x2	20	15	37	16		30	
M11210-12-36	20	3/4"	- 12	M 36x2	25	19,8	41	18		36	
M11210-16-36	25	1"	- 16	M 36x2	25	19,8	42,3	18		36	
M11210-16-42	25	1"	- 16	M 42x2	30	25	44,3	20		46	
M11210-20-52	32	1.1/4"	- 20	M 52x2	38	30	50,5	22		55	



**M21612**

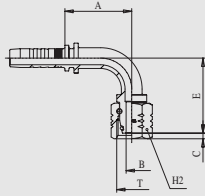
O'RING METRIC FEMALE 24° CONE H.T. - DIN 3865 - (THRUST-WIRE NUT)  
 femmina metrica cono 24° o'ring - serie pesante - DIN 3865 - (dado spinato)



**M21613**

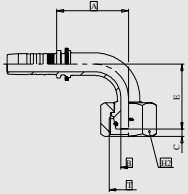
O'RING METRIC FEMALE 24° CONE H.T. - DIN 3865 - (SLIP-ON NUT)  
 femmina metrica cono 24° o'ring - serie pesante - DIN 3865 - (dado passante)

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C			H <sub>2</sub>
M21613-03-16	5	3/16"	- 03	M 16x1,5	8	3,2	26,1	3,9			19
M21613-04-16	6	1/4"	- 04	M 16x1,5	8	4	26,6	3,9			19
M21613-04-18	6	1/4"	- 04	M 18x1,5	10	4	28	3			22
M21613-05-20	8	5/16"	- 05	M 20x1,5	12	5,5	28,1	2,5			24
M21613-06-20	10	3/8"	- 06	M 20x1,5	12	7	28,6	2,5			24
M21613-06-22	10	3/8"	- 06	M 22x1,5	14	7	32,6	3			27
M21613-08-24	12	1/2"	- 08	M 24x1,5	16	9,3	32,6	3			30
M21613-10-30	16	5/8"	- 10	M 30x2	20	12,5	37,1	3,5			36
M21612-12-30	20	3/4"	- 12	M 30x2	20	12,5	33,5	2,2			36
M21613-12-36	20	3/4"	- 12	M 36x2	25	15	41	4,5			41
M21612-16-36	25	1"	- 16	M 36x2	25	15	35,3	1,7			41
M21613-16-42	25	1"	- 16	M 42x2	30	19,8	44,3	6,3			50
M21613-20-52	32	1.1/4"	- 20	M 52x2	38	26	49,5	8			60



**M21692**

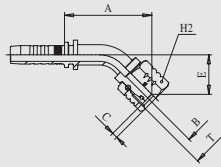
90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 - (THRUST-WIRE NUT)  
 femmina metrica 90° cono 24° o'ring - serie pesante - DIN 3865 - (dado spinato)



**M21693**

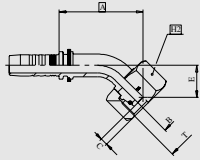
90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 (SLIP-ON NUT)  
 femmina metrica 90° cono 24° o'ring - serie pesante - DIN 3865 (dado passante)

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21693-03-16	5	3/16"	- 03	M 16x1,5	8	3	26	3,9	29		19
M21693-04-16	6	1/4"	- 04	M 16x1,5	8	4	29,5	3,9	29		19
M21693-04-18	6	1/4"	- 04	M 18x1,5	10	4	29,5	3	31		22
M21693-05-18	8	5/16"	- 05	M 18x1,5	10	4	32	3	33,5		22
M21693-05-20	8	5/16"	- 05	M 20x1,5	12	5,5	32	2,5	34		24
M21692-06-18	10	3/8"	- 06	M 18x1,5	10	4	35,5	3,9	42,5		22
M21693-06-20	10	3/8"	- 06	M 20x1,5	12	7	36,5	2,5	35		24
M21693-06-22	10	3/8"	- 06	M 22x1,5	14	7	36,5	3	37		27
M21693-08-24	12	1/2"	- 08	M 24x1,5	16	9,3	45	3	40,5		30
M21693-10-30	16	5/8"	- 10	M 30x2	20	12,5	51,5	3,5	57,5		36
M21692-12-30	20	3/4"	- 12	M 30x2	20	12,5	61,5	2,2	67,5		36
M21693-12-36	20	3/4"	- 12	M 36x2	25	15	61,5	4,5	64,5		41
M21692-16-36	25	1"	- 16	M 36x2	25	15	79,5	1,7	86		41
M21693-16-42	25	1"	- 16	M 42x2	30	19,8	79	6,3	74,5		50
M21693-20-52	32	1.1/4"	- 20	M 52x2	38	26	93,5	8	85,5		60



**M21642**

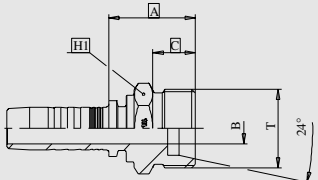
45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 (THRUST-WIRE NUT)  
 femmina metrica 45° cono 24° o'ring - serie pesante - DIN 3865 - (dado spinato)



**M21643**

45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 (SLIP-ON NUT)  
 femmina metrica 45° cono 24° o'ring - serie pesante - DIN 3865 - (dado passante)

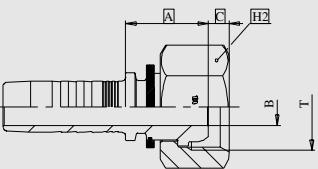
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21643-03-16	5	3/16"	- 03	M 16x1,5	8	3	34,5	3,9	15,5		19
M21643-04-16	6	1/4"	- 04	M 16x1,5	8	4	36	3,9	15		19
M21643-04-18	6	1/4"	- 04	M 18x1,5	10	4	37,5	3	16,5		22
M21643-05-20	8	5/16"	- 05	M 20x1,5	12	5,5	42,5	2,5	18,5		24
M21643-06-20	10	3/8"	- 06	M 20x1,5	12	7	45	2,5	18		24
M21643-06-22	10	3/8"	- 06	M 22x1,5	14	7	46,5	3	19,5		27
M21643-06-24	10	3/8"	- 06	M 24x1,5	16	9,3	45,5	3	18,5		30
M21643-08-24	12	1/2"	- 08	M 24x1,5	16	9,3	52,5	3	20		30
M21643-10-30	16	5/8"	- 10	M 30x2	20	12,5	65,5	3,5	29,5		36
M21642-12-30	20	3/4"	- 12	M 30x2	20	12,5	76,5	2,2	34		36
M21643-12-36	20	3/4"	- 12	M 36x2	25	15	75	4,5	32,5		41
M21643-16-42	25	1"	- 16	M 42x2	30	19,8	90	6,3	35,5		50
M21643-20-52	32	1.1/4"	- 20	M 52x2	38	26	103	8	39,5		60



## M11710

FRENCH METRIC MALE 24° CONE SEAT MILLIMETRIC TYPE  
*maschio metrico 24° serie millimetrica francese*

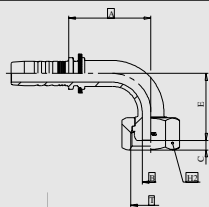
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C		H <sub>1</sub>	
M11710-10-2718	16	5/8"	- 10	M 27x 1,5	18	12,5	28,7	14		28	
M11710-10-2720	16	5/8"	- 10	M 27x 1,5	20	12,5	28,7	14		28	
M11710-12-30	20	3/4"	- 12	M 30x 1,5	22	15	30	14		30	
M11710-12-33	20	3/4"	- 12	M 33x 1,5	25	15	31	14		34	
M11710-16-36	25	1"	- 16	M 36x 1,5	28	19,8	32,3	14		36	
M11710-16-39	25	1"	- 16	M 39x 1,5	30	19,8	34,3	14		41	



## M21713

FRENCH METRIC FEMALE MILLIMETRIC TYPE (SLIP-ON NUT)  
*femmina metrica serie millimetrica francese (dado passante)*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C			H <sub>2</sub>
M21713-10-2718	16	5/8"	- 10	M 27x 1,5	18	12,5	22,2	5,1			32
M21713-10-2720	16	5/8"	- 10	M 27x 1,5	20	12,5	22,2	5,1			32
M21713-12-30	20	3/4"	- 12	M 30x 1,5	22	15	25,5	4,1			36
M21713-12-33	20	3/4"	- 12	M 33x 1,5	25	15	25,5	4,1			38
M21713-16-36	25	1"	- 16	M 36x 1,5	28	19,8	27,8	4,8			41
M21713-16-39	25	1"	- 16	M 39x 1,5	30	19,8	28,3	4,3			46



**M21793**

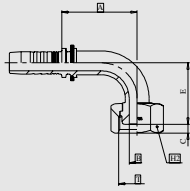
90° FRENCH METRIC SWEEP ELBOW FEMALE MILLIMETRIC TYPE (SLIP-ON NUT)  
*femmina metrica 90° serie millimetrica francese (dado passante)*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E	H <sub>2</sub>	
M21793-10-2718	16	5/8"	- 10	M 27x 1,5	18	12,5	51,5	5,1	50,5		32
M21793-12-30	20	3/4"	- 12	M 30x 1,5	22	15	61,5	4,1	58,5		36
M21793-16-36	25	1"	- 16	M 36x 1,5	28	19,8	76,5	4,8	68		41

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm				
	DN	inch	Size	T		B	A	C		H <sub>1</sub>
M11810-05-20	8	5/16"	- 05	M 20x1,5	13,25	8	27	12		22
M11810-06-20	10	3/8"	- 06	M 20x1,5	13,25	8	27,6	12		22
M11810-06-24	10	3/8"	- 06	M 24x1,5	16,75	12	28,1	12		24
M11810-08-24	12	1/2"	- 08	M 24x1,5	16,75	12	28,4	12		24
M11810-10-30	16	5/8"	- 10	M 30x1,5	21,25	15	31,7	14		30
M11810-12-36	20	3/4"	- 12	M 36x1,5	26,75	21	34	14		36
M11810-16-45	25	1"	- 16	M 45x1,5	33,50	26	39,3	16		46

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm				
	DN	inch	Size	T		B	A	C		H <sub>2</sub>
M21813-04-20	6	1/4"	- 04	M 20x1,5	13,25	7	22,1	4,3		24
M21813-05-20	8	5/16"	- 05	M 20x1,5	13,25	7	22,1	4,3		24
M21813-06-20	10	3/8"	- 06	M 20x1,5	13,25	7	22,6	4,3		24
M21813-06-24	10	3/8"	- 06	M 24x1,5	16,75	9,3	25,6	4		30
M21813-08-24	12	1/2"	- 08	M 24x1,5	16,75	9,3	26,5	4		30
M21813-08-30	12	1/2"	- 08	M 30x1,5	21,25	12,5	23,6	5,1		36
M21813-10-30	16	5/8"	- 10	M 30x1,5	21,25	12,5	23,7	5,1		36
M21813-12-36	20	3/4"	- 12	M 36x1,5	26,75	15	27	4,8		41
M21813-16-45	25	1"	- 16	M 45x1,5	33,50	19,8	26,8	4,6		50

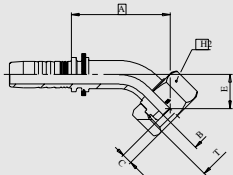
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21893-05-20	8	5/16"	- 05	M 20x1,5	13,25	7	32	4,3	29,5		24
M21893-06-20	10	3/8"	- 06	M 20x1,5	13,25	7	36,5	4,3	33,5		24
M21893-08-24	12	1/2"	- 08	M 24x1,5	16,75	12	45	4	41		30
M21893-10-30	16	5/8"	- 10	M 30x1,5	21,25	12,5	51,5	5,1	53,5		36
M21893-12-36	20	3/4"	- 12	M 36x1,5	26,75	15	61,5	4,8	60		41



**M21893**

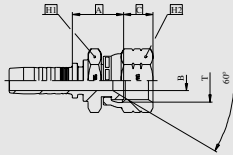
90° FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)  
*femmina metrica 90° serie gaz francese (dado passante)*

PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T		B	A	C	E		H <sub>2</sub>
M21843-04-20	6	1/4"	- 04	M 20x1,5	13,25	7	38,5	4,3	17		24
M21843-05-20	8	5/16"	- 05	M 20x1,5	13,25	7	39,5	4,3	15,5		24
M21843-08-24	12	1/2"	- 08	M 24x1,5	16,75	12	53	4	20,5		30
M21843-12-36	20	3/4"	- 12	M 36x1,5	26,75	15	71,5	4,8	29		41



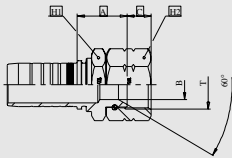
**M21843**

45° FRENCH METRIC FEMALE GAZ TYPE (SLIP-ON NUT)  
*femmina metrica 45° serie gaz francese (dado passante)*



**M24011**

JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) - JIS 8363 - (CRIMPED - BACK NUT)  
 femmina metrica giapponese sv. 60° tipo Komatsu - JIS 8363 - (dado pressato)

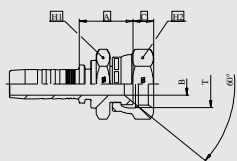


**M24012**

JIS METRIC FEMALE 60° CONE SEAT (KOMATSU) - JIS 8363 - (THRUST - WIRE NUT)  
 femmina metrica giapponese sv. 60° tipo Komatsu - JIS 8363 - (dado spinato)

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M24011-04-14	6	1/4"	- 04	M 14x1,5	4	23	10,5		19	19
M24011-05-16	8	5/16"	- 05	M 16x1,5	5,5	22,5	9,3		21	21
M24011-06-14	10	3/8"	- 06	M 14x1,5	4	23,6	10,5		19	19
M24011-06-18	10	3/8"	- 06	M 18x1,5	7	23,6	11,5		24	24
M24011-08-22	12	1/2"	- 08	M 22x1,5	9,3	24,9	14		27	27
M24011-10-24	16	5/8"	- 10	M 24x1,5	12,5	26,7	15,1		32	32
M24011-12-30	20	3/4"	- 12	M 30x1,5	15	31,5	18,3		36	36
M24011-16-33	25	1"	- 16	M 33x1,5	19,8	33,3	21,3		41	41
M24011-20-36	32	1.1/4"	- 20	M 36x1,5	19,8	41	20		46	46
M24012-24-42	40	1.1/2"	- 24	M 42x1,5	26	44	18,8		55	55

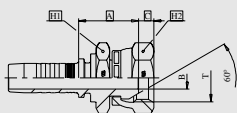
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M23811-04-04	6	1/4"	- 04	1/4" - 19	4	18,5	8,3		19	19
M23811-06-06	10	3/8"	- 06	3/8" - 19	7	23,1	10		22	22
M23811-08-08	12	1/2"	- 08	1/2" - 14	9,3	23	11,5		27	27
M23811-12-12	20	3/4"	- 12	3/4" - 14	15	26	13,5		32	32
M23811-16-16	25	1"	- 16	1" - 11	19,8	30,3	14,5		38	38



**M23811**

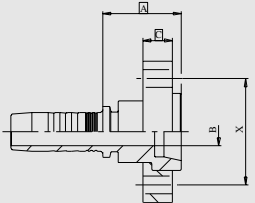
JIS BSP FEMALE 60° CONE SEAT (TOYOTA) - JIS 8363 - (CRIMPED - BACK NUT)  
*femmina gas giapponese sv. 60° tipo Toyota - JIS 8363 - (dado pressato)*

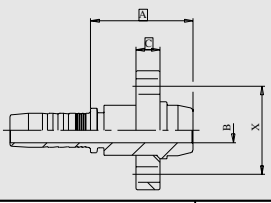
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M20711-04-04	6	1/4"	- 04	1/4" - 19	4	22,5	4,5		19	19
M20711-06-06	10	3/8"	- 06	3/8" - 19	7	24,6	6,4		22	22
M20711-08-08	12	1/2"	- 08	1/2" - 14	9,3	26,4	6,7		27	27
M20711-12-12	20	3/4"	- 12	3/4" - 14	15	30	8,9		32	32

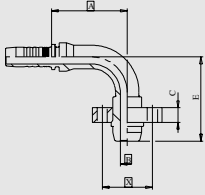


**M20711**

JIS BSP FEMALE 60° CONE (NISSAN) - JIS 8363 - (CRIMPED - BACK NUT)  
*femmina giapponese cono 60° tipo Nissan - JIS 8363 - (dado pressato)*

					<h3>M14513</h3> <p>POCLAIN MALE FLANGE <i>flangia Poclair maschio</i></p>						
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm						
	DN	inch	Size		B	A	C			X	
M14513-10-10	16	5/8"	- 10	5/8"	12,5	27,5	14			44,4	
M14513-12-12	20	3/4"	- 12	3/4"	15	31,5	18			56,1	
M14513-16-16	25	1"	- 16	1"	19,8	56,1	22			63,6	
M14513-20-20	32	1.1/4"	- 20	1.1/4"	26	59,5	25			73,9	

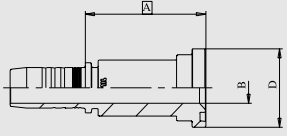
					<h3>M24513</h3> <p>POCLAIN FEMALE FLANGE <i>flangia Poclair femmina</i></p>						
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm						
	DN	inch	Size		B	A	C			X	
M24513-08-08	12	1/2"	- 08	1/2"	9,3	39,5	14			44,4	
M24513-10-10	16	5/8"	- 10	5/8"	12,5	39,5	14			44,4	
M24513-12-12	20	3/4"	- 12	3/4"	15	44,6	18			56,1	
M24513-16-16	25	1"	- 16	1"	19,8	71,6	22			63,6	
M24513-20-20	32	1.1/4"	- 20	1.1/4"	26	74,5	25			73,9	

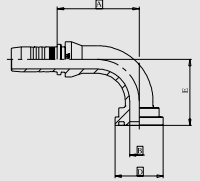


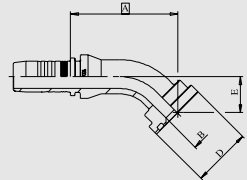
**M24593**

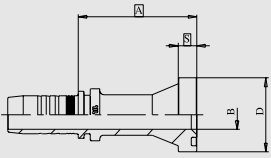
90° POCLAIN FEMALE FLANGE  
*flangia 90° Poclair femmina*

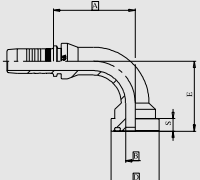
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	C	E	X	
M24593-10-10	16	5/8"	- 10	5/8"	12,5	56,5	14	62		44,4
M24593-12-12	20	3/4"	- 12	3/4"	15	64,5	18	70,5		56,1
M24593-16-16	25	1"	- 16	1"	19,8	79	22	91,5		63,6

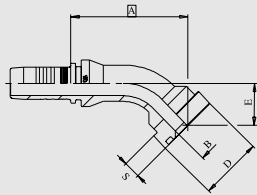
										<h3>M24111</h3> <p>STRAIGHT KOMATSU FLANGE <i>flangia diritta serie Komatsu</i></p>	
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm						
	DN	inch	Size		B	A	D				
M24111-10-10	16	5/8"	- 10	5/8"	14	65,7	34				

										<h3>M24191</h3> <p>90° KOMATSU FLANGE <i>flangia 90° serie Komatsu</i></p>	
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm						
	DN	inch	Size		B	A	C	E			
M24191-10-10	16	5/8"	- 10	5/8"	14	56	34	47,5			

										<h3>M24141</h3> <p>45° KOMATSU FLANGE <i>flangia 45° serie Komatsu</i></p>	
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm						
	DN	inch	Size		B	A	C	E			
M24141-10-10	16	5/8"	- 10	5/8"	14	61	34	22			

					<p><b>M23911</b></p> <p>STRAIGHT SUPERCAT FLANGE <i>flangia diritta serie Supercat</i></p>					
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	S		
M23911-12-12	20	3/4"	- 12	3/4"	15	74,5	41,5	14,3		
M23911-16-16	25	1"	- 16	1"	19,8	86,8	47,7	14,3		
M23911-16-20	25	1"	- 16	1.1/4"	26	92,3	54,2	14,3		
M23911-20-20	32	1.1/4"	- 20	1.1/4"	26	86	54,2	14,3		
M23911-24-24	40	1.1/2"	- 24	1.1/2"	32	94	63,6	14,3		

					<p><b>M23991</b></p> <p>90° SUPERCAT FLANGE <i>flangia 90° serie Supercat</i></p>					
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E	S	
M23991-12-12	20	3/4"	- 12	3/4"	15	64,5	41,5	66,5	14,3	
M23991-16-16	25	1"	- 16	1"	19,8	74,5	47,7	77,5	14,3	
M23991-16-20	25	1"	- 16	1.1/4"	26	74,5	54,2	83,5	14,3	
M23991-20-20	32	1.1/4"	- 20	1.1/4"	26	88,5	54,2	95	14,3	



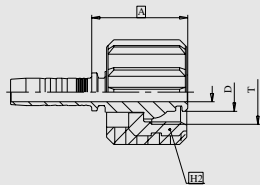
**M23941**

45° SUPERCAT FLANGE  
*flangia 45° serie Supercat*

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E	S	
M23941-12-12	20	3/4"	- 12	3/4"	15	78,5	41,5	33,5	14,3	
M23941-16-16	25	1"	- 16	1"	19,8	87,5	47,7	37,5	14,3	
M23941-16-20	25	1"	- 16	1.1/4"	26	91,5	54,2	41,5	14,3	
M23941-20-20	32	1.1/4"	- 20	1.1/4"	26	105	54,2	46	14,3	

PART. REF.				HOSE BORE			BSP BOLT	DIMENSIONS mm				
				DN	inch	Size		B	A	D	E	K
<b>O20310</b>				<b>BSP BANJO</b>							<b>occhiello GAS</b>	
<b>O20310-04-04</b>				6	1/4"	- 04	1/4" - 19	4,4	22	13,3	15	24
<b>O20310-05-06</b>				8	5/16"	- 05	3/8" - 19	5,6	23	16,7	20	29
<b>O20310-06-06</b>				10	3/8"	- 06	3/8" - 19	7,1	24,1	16,7	20	29
<b>O20310-06-08</b>				10	3/8"	- 06	1/2" - 14	7,1	27,1	21	25	38
<b>O20310-08-08</b>				12	1/2"	- 08	1/2" - 14	9,8	27,5	21	25	38
<b>O20310-10-10</b>				16	5/8"	- 10	5/8" - 14	12,7	29,7	23	27	40
<b>O20310-12-12</b>				20	3/4"	- 12	3/4" - 14	15,5	36,5	26,5	31	48
<b>O20310-16-16</b>				25	1"	- 16	1" - 11	20,5	40,5	33,3	42	60

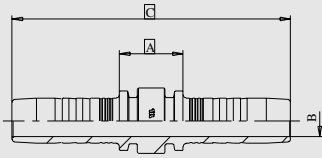
PART. REF.				HOSE BORE			METRIC BOLT	DIMENSIONS mm				
				DN	inch	Size		B	A	D	E	K
<b>O20910</b>				<b>METRIC BANJO - DIN 7622</b>							<b>occhiello metrico - DIN 7622</b>	
<b>O20910-04-12</b>				6	1/4"	- 04	M12 x 1,5	4,4	22,5	12	12	20
<b>O20910-04-14</b>				6	1/4"	- 04	M14 x 1,5	4,4	23,5	14	14	24
<b>O20910-05-14</b>				8	5/16"	- 05	M14 x 1,5	5,6	23,5	14	14	24
<b>O20910-06-14</b>				10	3/8"	- 06	M14 x 1,5	7,1	25,1	14	14	24
<b>O20910-06-16</b>				10	3/8"	- 06	M16 x 1,5	7,1	25,1	16	16	28
<b>O20910-06-18</b>				10	3/8"	- 06	M18 x 1,5	7,1	27,1	18	20	32
<b>O20910-08-18</b>				12	1/2"	- 08	M18 x 1,5	9,8	28	18	20	32
<b>O20910-08-22</b>				12	1/2"	- 08	M22 x 1,5	9,8	31	22	25	39
<b>O20910-10-22</b>				16	5/8"	- 10	M22 x 1,5	12,7	31,2	22	25	39
<b>O20910-12-26</b>				20	3/4"	- 12	M26 x 1,5	15,5	34,5	26	30	46



**M24913**

WASH CLEANER FEMALE (SLIP-ON NUT)  
*femmina per idropulitrici (dado passante)*

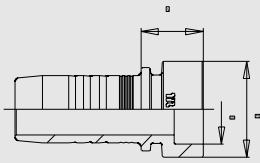
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	D			H <sub>2</sub>
M24913-04-22	6	1/4"	- 04	M 22x1,5	4	34	13,9			27
M24913-05-22	8	5/16"	- 05	M 22x1,5	5,5	34	13,9			27
M24913-06-22	10	3/8"	- 06	M 22x1,5	7	34	13,9			27



**M10050**

DOUBLE CONNECTOR  
*doppio inserto*

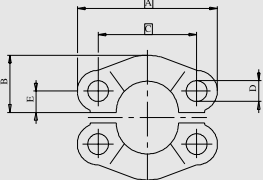
PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	inch	Size			B	A	C		
M10050-04-04	6	1/4"	- 04			4	14	69		
M10050-05-05	8	5/16"	- 05			5,5	14	70		
M10050-06-06	10	3/8"	- 06			7	14,7	73,5		
M10050-08-08	12	1/2"	- 08			9,3	15,8	78		
M10050-10-10	16	5/8"	- 10			12,5	15,4	84		
M10050-12-12	20	3/4"	- 12			15	18,5	91,5		
M10050-16-16	25	1"	- 16			19,8	22,6	119		
M10050-20-20	32	1.1/4"	- 20			26	23	128		
M10050-24-24	40	1.1/2"	- 24			32	23	147		
M10050-32-32	50	2"	- 32			42	27,7	160		

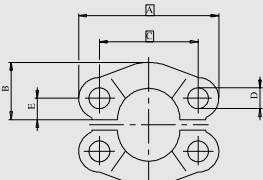


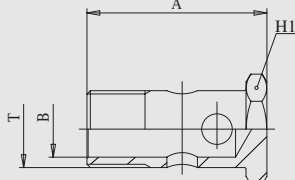
**M.. IP..**

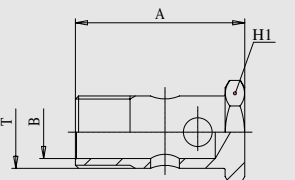
BRAZING TAIL  
*inserto a saldare*

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				B	A	D			
M03IP06	5	3/16"	- 03				6	11,5	10			
M04IP08	6	1/4"	- 04				8	13	12			
M05IP10	8	5/16"	- 05				10	13,5	14			
M06IP14	10	3/8"	- 06				14	13,5	18			
M08IP15	12	1/2"	- 08				15	14	20			
M10IP18	16	5/8"	- 10				18	15	23			
M12IP22	20	3/4"	- 12				22	16	26			
M16IP28	25	1"	- 16				28	18,5	34			
M20IP35	32	1.1/4"	- 20				35	21,5	40			
M24IP40	40	1.1/2"	- 24				40	21,5	50			
M32IP50	50	2"	- 32				50	23	60			
M40IP60	63	2.1/2"	- 40				60	22	73			
M48IP70	76	3"	- 48				70	38	89			

				<p><b>083308</b></p> <p>SAE SPLIT FLANGE CLAMPS 3000 PSI - CODE 61 SAE J518  <i>semi-flangia SAE 3000 psi - CODE 61 SAE J518</i></p>							
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	inch	Size	B	A	C	D	E			
<b>083308-08</b>	12	1/2"	- 08	23	54	38,1	9	8,7			
<b>083308-12</b>	20	3/4"	- 12	26,1	65,1	47,6	11	11,1			
<b>083308-16</b>	25	1"	- 16	29,4	69,8	52,4	11	13,1			
<b>083308-20</b>	32	1.1/4"	- 20	36,5	79,4	58,7	12	15,1			
<b>083308-24</b>	40	1.1/2"	- 24	41,3	93,7	69,8	13,5	17,8			
<b>083308-32</b>	50	2"	- 32	48,4	101,6	77,8	13,5	21,4			
<b>083308-40</b>	63	2.1/2"	- 40	54,4	114,3	88,9	13,5	25,4			
<b>083308-48</b>	76	3"	- 48	65,3	135	106,4	16,5	30,9			

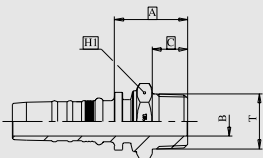
				<p><b>083609</b></p> <p>SAE SPLIT FLANGE CLAMPS 6000 PSI - CODE 62 SAE J518  <i>semi-flangia SAE 6000 psi - CODE 62 SAE J518</i></p>							
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	inch	Size	B	A	C	D	E			
<b>083609-08</b>	12	1/2"	- 08	23,8	56,3	40,5	9	9,1			
<b>083609-12</b>	20	3/4"	- 12	30,2	71,4	50,8	11	11,9			
<b>083609-16</b>	25	1"	- 16	34,9	80,9	57,1	13	13,9			
<b>083609-20</b>	32	1.1/4"	- 20	38,9	95,2	66,7	15	15,8			
<b>083609-24</b>	40	1.1/2"	- 24	47,6	112,7	79,4	17	18,2			
<b>083609-32</b>	50	2"	- 32	57,1	133,3	96,8	21	22,2			

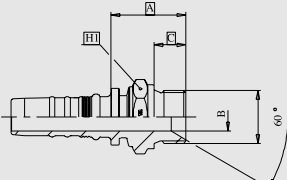
				<b>O80210</b>						
				BSP BOLT <i>vite gas forata</i>						
PART. REF.				THREAD	DIMENSIONS mm					
				T	B	A			H <sub>1</sub>	
O80210-04				1/4" - 19	6	28,5			17	
O80210-06				3/8" - 19	9	38,5			22	
O80210-08				1/2" - 14	13	44			27	
O80210-10				5/8" - 14	15	48,5			30	
O80210-12				3/4" - 14	18	56			32	
O80210-16				1" - 11	24	68,5			41	

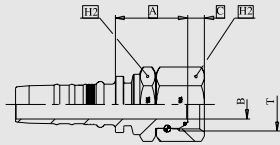
				<b>O80810</b>						
				METRIC BOLT - DIN 7623 <i>vite metrica forata - DIN 7623</i>						
PART. REF.				THREAD	DIMENSIONS mm					
				T	B	A			H <sub>1</sub>	
O80810-10				M10 x 1	5	19			14	
O80810-12				M12 x 1,5	7	24			17	
O80810-14				M14 x 1,5	9	26			19	
O80810-16				M16 x 1,5	11	28			22	
O80810-18				M18 x 1,5	13	32			24	
O80810-22				M22 x 1,5	16	39			27	
O80810-26				M26 x 1,5	20	45			32	

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M01300-10	16	5/8"	- 10				36	43,5				
M01300-12	20	3/4"	- 12				40	53				
M01300-16	25	1"	- 16				49	66				
M01300-20	32	1.1/4"	- 20				60	88,5				
M01300-24	40	1.1/2"	- 24				69,3	102				
M01300-32	50	2"	- 32				86,5	108				

PART. REF.	HOSE BORE			DIMENSIONS mm								
	DN	inch	Size				D	L				
M01400-20	32	1.1/4"	- 20				57	88				
M01400-24	40	1.1/2"	- 24				64,3	102				
M01400-32	50	2"	- 32				86,5	108				

					<p><b>M35710</b>                  BSP MALE TAPERED - BS5200  <i>maschio gas conico - BS5200</i></p>					
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M35710-12-12	20	3/4"	- 12	3/4" -14	17	35,5	17		32	
M35710-16-16	25	1"	- 16	1" -11	19	41,5	21		41	
M35710-20-20	32	1.1/4"	- 20	1.1/4" -11	29	53	25		46	
M35710-24-24	40	1.1/2"	- 24	1.1/2" -11	33,5	54	25		55	
M35710-32-32	50	2"	- 32	2" -11	42	58	29		70	

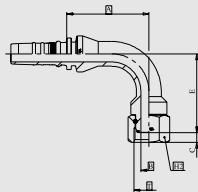
					<p><b>M35510</b>                  BSP MALE PARALLEL 60° CONE SEAT - BS5200  <i>maschio gas cilindrico sv. 60° - BS5200</i></p>					
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M35510-12-12	20	3/4"	- 12	3/4" -14	17	37,3	16		32	
M35510-16-16	25	1"	- 16	1" -11	22,5	43	19		41	
M35510-20-20	32	1.1/4"	- 20	1.1/4" -11	29	50,5	20		50	
M35510-24-24	40	1.1/2"	- 24	1.1/2" -11	33,5	54	22		55	
M35510-32-32	50	2"	- 32	2" -11	42	57,5	25		70	



**M45812**

BSP O’RING FEMALE 60° CONE - BS5200 - (THRUST-WIRE NUT)  
*femmina gas cono 60° o’ring - BS5200 - (dado spinato)*

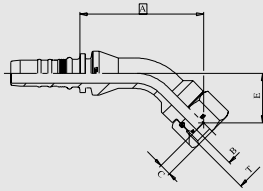
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M45812-12-12	20	3/4"	- 12	3/4" -14	14,3	35,8	8,5		32	32
M45812-16-16	25	1"	- 16	1" -11	19	39	10,6		41	41
M45812-20-20	32	1.1/4"	- 20	1.1/4" -11	26	47,5	10,1		50	50
M45812-24-24	40	1.1/2"	- 24	1.1/2" -11	32	47,5	12,5		60	60
M45812-32-32	50	2"	- 32	2" -11	42	47	16,1		70	70



**M45892**

90° BSP O’RING FEMALE SWEPT ELBOW 60° CONE - BS5200 - (THRUST-WIRE NUT)  
*femmina gas 90° cono 60° o’ring - BS5200 - (dado spinato)*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M45892-12-12	20	3/4"	- 12	3/4" -14	14,3	72,5	8,5	70		32
M45892-16-16	25	1"	- 16	1" -11	19	82,5	10,6	80,5		41
M45892-20-20	32	1.1/4"	- 20	1.1/4" -11	26	101,5	10,1	101		50
M45892-24-24	40	1.1/2"	- 24	1.1/2" -11	32	114,5	12,5	116		60
M45892-32-32	50	2"	- 32	2" -11	42	137	16,1	141		70

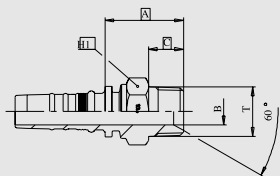


**M45842**

45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 - (THRUST-WIRE NUT)  
 femmina gas 45° cono 60° o'ring - BS5200 - (dado spinato)

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M45842-12-12	20	3/4"	- 12	3/4" -14	14,3	88,5	8,5	35		32
M45842-16-16	25	1"	- 16	1" -11	19	97	10,6	40		41
M45842-20-20	32	1.1/4"	- 20	1.1/4" -11	26	122	10,1	50,5		50
M45842-24-24	40	1.1/2"	- 24	1.1/2" -11	32	133,5	12,5	56		60
M45842-32-32	50	2"	- 32	2" -11	42	156	16,1	67		70

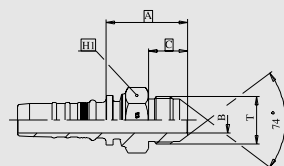
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M37810-12-12	20	3/4"	- 12	3/4" -14	16	43,3	19,2		32	
M37810-16-16	25	1"	- 16	1" -11,5	19	49,5	24,2		41	
M37810-20-20	32	1.1/4"	- 20	1.1/4" -11,5	26	61	25		46	
M37810-24-24	40	1.1/2"	- 24	1.1/2" -11,5	32	62,5	26		50	
M37810-32-32	50	2"	- 32	2" -11,5	42	66,5	26,5		70	



**M37810**

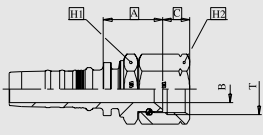
NPTF MALE 60° CONE SEAT - SAE J516  
*maschio NPTF sv. 60° - SAE J516*

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
M37510-12-12	20	3/4"	- 12	1.1/16" -12	15	45,8	22		32	
M37510-16-16	25	1"	- 16	1.5/16" -12	19	45	23		41	
M37510-20-20	32	1.1/4"	- 20	1.5/8" -12	26	57	24,3		46	
M37510-24-24	40	1.1/2"	- 24	1.7/8" -12	32	64	27,5		50	
M37510-32-32	50	2"	-32	2.1/2" -12	42	74,5	34		70	



**M37510**

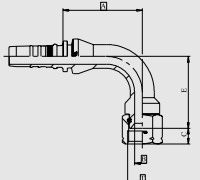
JIC MALE 74° CONE - SAE J514  
*maschio JIC sv. 74° - SAE J514*



### M47512

JIC FEMALE 74° CONE SEAT - SAE J514 (THRUST-WIRE NUT)  
*femmina JIC sv. 74° - SAE J514 - (dado spinato)*

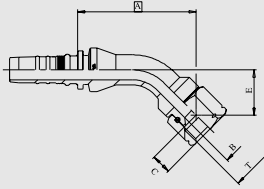
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	H <sub>2</sub>
M47512-12-12	20	3/4"	- 12	1.1/16" -12	15	31,3	14,4		32	32
M47512-16-16	25	1"	- 16	1.5/16" -12	21,7	34	15,2		41	41
M47512-20-20	32	1.1/4"	- 20	1.5/8" -12	26	46	16,2		50	50
M47512-24-24	40	1.1/2"	- 24	1.7/8" -12	32	52	18,8		55	60
M47512-32-32	50	2"	- 32	2.1/2" -12	42	49,5	24		70	75



### M47592

90° JIC FEMALE SWEPT ELBOW 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
*femmina JIC 90° sv. 74° - SAE J514 - (dado spinato)*

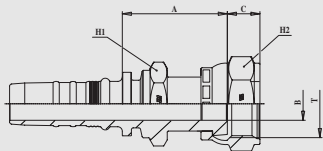
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
M47592-12-12	20	3/4"	- 12	1.1/16" -12	15	73	14,4	66		32
M47592-16-16	25	1"	- 16	1.5/16" -12	21,7	82,5	15,2	77,5		41
M47592-20-20	32	1.1/4"	- 20	1.5/8" -12	26	101,5	16,2	100		50
M47592-24-24	40	1.1/2"	- 24	1.7/8" -12	32	114,5	18,8	120		60
M47592-32-32	50	2"	- 32	2.1/2" -12	42	137	24	137		75



**M47542**

45° JIC FEMALE SWEEP ELBOW 74° CONE SEAT - SAE J514 - (THRUST-WIRE NUT)  
 femmina JIC 45° sv. 74° - SAE J514 - (dado spinato)

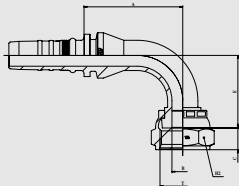
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E	H <sub>2</sub>	
M47542-12-12	20	3/4"	- 12	1.1/16" -12	15	86,5	14,4	33	32	
M47542-16-16	25	1"	- 16	1.5/16" -12	21,7	95	15,2	37	41	
M47542-20-20	32	1.1/4"	- 20	1.5/8" -12	26	121	16,2	49,5	50	
M47542-24-24	40	1.1/2"	- 24	1.7/8" -12	32	136,5	18,8	58,5	60	
M47542-32-32	50	2"	- 32	2.1/2" -12	42	158	24	68	75	

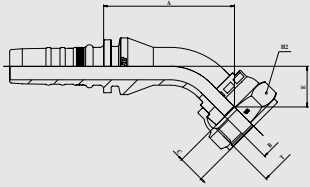


**M47411**

ORFS FEMALE - SAEJ1453 - (CRIMPED BACK NUT)  
 femmina ORFS - SAE J1453 - (dado pressato)

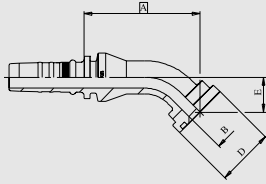
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	H <sub>1</sub>		H <sub>2</sub>
M47411-12-12	19	3/4"	-12	1.3/16" -12	14,3	46,3	14,5	32		36
M47411-16-16	25	1"	-16	1.7/16" -12	19	48,8	15	41		41
M47411-20-20	31	1 1/4"	-20	1.11/16" -12	24	54,8	14,8	50		50
M47411-24-24	38	1 1/2"	-24	2" -12	30,5	57,4	15,8	60		60

					<b>M47491</b>						
90° ORFS FEMALE - SAE J1453 - (CRIMPED BACK NUT) <i>femmina ORFS 90° - SAE J1453 (dado pressato)</i>											
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M47491-12-12	19	3/4"	-12	1.3/16" -12	14,3	65,5	14,5	48		36	
M47491-16-16	25	1"	-16	1.7/16" -12	19	85	15	54		41	
M47491-20-20	31	1 1/4"	-20	1.11/16" -12	24	98,5	14,8	65		50	
M47491-24-24	38	1 1/2"	-24	2" -12	30,5	115,5	15,8	79,5		60	

					<b>M47441</b>						
45° ORFS FEMALE - SAE J1453 - (CRIMPED BACK NUT) <i>femmina ORFS 45° - SAE J1453 - (dado pressato)</i>											
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm						
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>	
M47441-12-12	19	3/4"	-12	1.3/16" -12	14,3	69	14,5	21,5		36	
M47441-16-16	25	1"	-16	1.7/16" -12	19	84,5	15	22		41	
M47441-20-20	31	1 1/4"	-20	1.11/16" -12	24	96,5	14,8	26		50	
M47441-24-24	38	1 1/2"	-24	2" -12	30,5	111,5	15,8	31,5		60	

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D			
M48310-12-12	20	3/4"	- 12	3/4"	16	60,8	38			
M48310-12-16	20	3/4"	- 12	1"	20	65,8	44,6			
M48310-16-16	25	1"	- 16	1"	20	67	44,6			
M48310-16-20	25	1"	- 16	1.1/4"	26	73	51			
M48310-20-20	32	1.1/4"	- 20	1.1/4"	26	75	51			
M48310-20-24	32	1.1/4"	- 20	1.1/2"	32	80	60,5			
M48310-24-24	40	1.1/2"	- 24	1.1/2"	32	80,5	60,5			
M48310-24-32	40	1.1/2"	- 24	2"	42	87,5	71,6			
M48310-32-32	50	2"	- 32	2"	42	82,5	71,6			

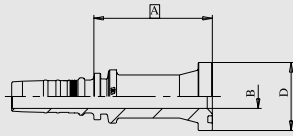
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M48390-12-12	20	3/4"	- 12	3/4"	16	73	38	52		
M48390-12-16	20	3/4"	- 12	1"	20	73	44,6	52		
M48390-16-16	25	1"	- 16	1"	20	86	44,6	66		
M48390-16-20	25	1"	- 16	1.1/4"	26	86	51	66		
M48390-20-20	32	1.1/4"	- 20	1.1/4"	26	102	51	75		
M48390-20-24	32	1.1/4"	- 20	1.1/2"	32	101,5	60,5	77		
M48390-24-24	40	1.1/2"	- 24	1.1/2"	32	114,5	60,5	89		
M48390-24-32	40	1.1/2"	- 24	2"	42	114,5	71,6	89		
M48390-32-32	50	2"	- 32	2"	42	133	71,6	99		



**M48340**

45° SAE FLANGE 3000 psi - CODE 61 SAE J518  
 flangia 45° SAE 3000 psi - CODE 61 SAE J518

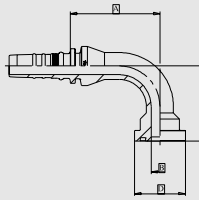
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M48340-12-12	20	3/4"	- 12	3/4"	16	76,5	38	23		
M48340-12-16	20	3/4"	- 12	1"	20	80,5	44,6	27		
M48340-16-16	25	1"	- 16	1"	20	90,5	44,6	29,5		
M48340-16-20	25	1"	- 16	1.1/4"	26	90,5	51	29,5		
M48340-20-20	32	1.1/4"	- 20	1.1/4"	26	104	51	32		
M48340-20-24	32	1.1/4"	- 20	1.1/2"	32	105	60,5	33,5		
M48340-24-24	40	1.1/2"	- 24	1.1/2"	32	114,5	60,5	37		
M48340-24-32	40	1.1/2"	- 24	2"	42	114,5	71,6	37		
M48340-32-32	50	2"	- 32	2"	42	129	71,6	39,5		



**M48610**

STRAIGHT SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia diritta SAE 6000 psi - CODE 62 SAE J518

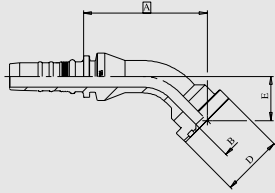
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D			
M48610-12-12	20	3/4"	- 12	3/4"	16	71,8	41,4			
M48610-12-16	20	3/4"	- 12	1"	20	83,8	47,7			
M48610-16-12	25	1"	- 16	3/4"	16	80,5	41,4			
M48610-16-16	25	1"	- 16	1"	20	85	47,7			
M48610-16-20	25	1"	- 16	1.1/4"	26	89	54,2			
M48610-20-20	32	1.1/4"	- 20	1.1/4"	26	91	54,2			
M48610-20-24	32	1.1/4"	- 20	1.1/2"	32	97	63,7			
M48610-24-20	40	1.1/2"	- 24	1.1/4"	26	101	54,2			
M48610-24-24	40	1.1/2"	- 24	1.1/2"	32	97,5	63,7			
M48610-24-32	40	1.1/2"	- 24	2"	42	112,5	79,6			
M48610-32-32	50	2"	- 32	2"	42	112,5	79,6			



**M48690**

90° SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia 90° SAE 6000 psi - CODE 62 SAE J518

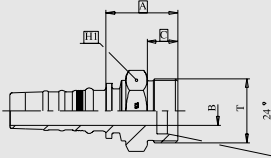
PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M48690-12-12	20	3/4"	- 12	3/4"	16	73	41,4	61		
M48690-12-16	20	3/4"	- 12	1"	20	73	47,7	67		
M48690-16-12	25	1"	- 16	3/4"	16	85,5	41,4	67		
M48690-16-16	25	1"	- 16	1"	20	85,5	47,7	73		
M48690-16-20	25	1"	- 16	1.1/4"	26	85,5	54,2	80		
M48690-20-16	32	1.1/4"	- 20	1"	20	101,5	47,7	84		
M48690-20-20	32	1.1/4"	- 20	1.1/4"	26	101,5	54,2	91		
M48690-20-24	32	1.1/4"	- 20	1.1/2"	32	101,5	63,7	99,5		
M48690-24-20	40	1.1/2"	- 24	1.1/4"	26	111	54,2	91		
M48690-24-24	40	1.1/2"	- 24	1.1/2"	32	114,5	63,7	107,5		
M48690-24-32	40	1.1/2"	- 24	2"	42	114,5	79,6	123,5		
M48690-32-32	50	2"	- 32	2"	42	136,5	79,6	132		

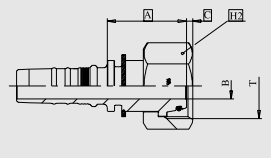


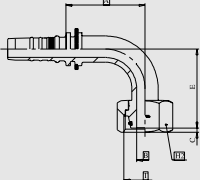
**M48640**

45° SAE FLANGE 6000 psi - CODE 62 SAE J518  
 flangia 45° SAE 6000 psi - CODE 62 SAE J518

PART. REF.	HOSE BORE			FLANGE	DIMENSIONS mm					
	DN	inch	Size		B	A	D	E		
M48640-12-12	20	3/4"	- 12	3/4"	16	83	41,4	29,5		
M48640-12-16	20	3/4"	- 12	1"	20	87	47,7	33,5		
M48640-16-12	25	1"	- 16	3/4"	16	91	41,4	30		
M48640-16-16	25	1"	- 16	1"	20	95	47,7	34		
M48640-16-20	25	1"	- 16	1.1/4"	26	100	54,2	39		
M48640-20-16	32	1.1/4"	- 20	1"	20	110	47,7	38,5		
M48640-20-20	32	1.1/4"	- 20	1.1/4"	26	115	54,2	43		
M48640-20-24	32	1.1/4"	- 20	1.1/2"	32	121	63,7	49,5		
M48640-24-24	40	1.1/2"	- 24	1.1/2"	32	127,5	63,7	50		
M48640-24-32	40	1.1/2"	- 24	2"	42	139	79,6	61		
M48640-32-32	50	2"	- 32	2"	42	150	79,6	60,5		

		<b>M36210</b>									
		METRIC MALE 24° CONE SEAT H.T. - DIN 3853/3861 <i>maschio metrico 24° serie pesante - DIN 3853/3861</i>									
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T	mm	B	A	C		H <sub>1</sub>	
M36210-12-36	20	3/4"	- 12	M 36x2	25	14,3	43,8	18		36	
M36210-16-42	25	1"	- 16	M 42x2	30	19	47	20		46	
M36210-20-52	32	1.1/4"	- 20	M 52x2	38	24	55	22		55	

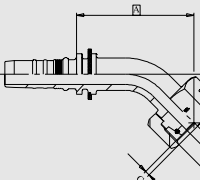
		<b>M46613</b>									
		O'RING METRIC FEMALE 24° CONE H.T. - DIN 3865 (SLIP-ON NUT) <i>femmina metrica cono 24° o'ring - serie pesante - DIN3865 - (dado passante)</i>									
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T	mm	B	A	C			H <sub>2</sub>
M46613-10-30	16	5/8"	- 10	M 30x2	20	12	37,5	3,5			36
M46613-12-36	20	3/4"	- 12	M 36x2	25	14,3	40,5	3,4			41
M46613-16-42	25	1"	- 16	M 42x2	30	19	44,5	5,3			50
M46613-20-52	32	1.1/4"	- 20	M 52x2	38	26	51,5	8			60



### M46693

90° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 - (SLIP-ON NUT)  
*femmina metrica 90° cono 24° o'ring - serie pesante - DIN 3865 - (dado passante)*

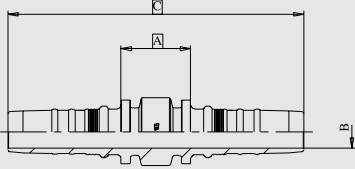
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T	mm	B	A	C	E		H <sub>2</sub>
M46693-10-30	16	5/8"	- 10	M 30x2	20	12	52,5	3,5	57,5		36
M46693-12-36	20	3/4"	- 12	M 36x2	25	14,3	67,5	3,4	67,5		41
M46693-16-42	25	1"	- 16	M 42x2	30	19	82	5,3	75,5		50
M46693-20-52	32	1.1/4"	- 20	M 52x2	38	26	100	8	86,5		60

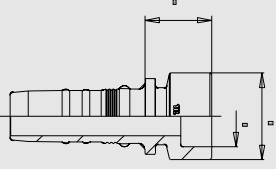


### M46643

45° O-RING METRIC FEMALE SWEPT ELBOW 24° CONE H.T. - DIN 3865 - (SLIP-ON NUT)  
*femmina metrica 45° cono 24° o'ring - serie pesante - DIN 3865 - (dado passante)*

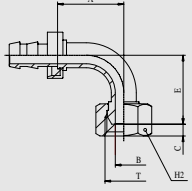
PART. REF.	HOSE BORE			THREAD	PIPE	DIMENSIONS mm					
	DN	inch	Size	T	mm	B	A	C	E		H <sub>2</sub>
M46643-12-36	20	3/4"	- 12	M 36x2	25	14,3	81,5	3,4	33,5		41
M46643-16-42	25	1"	- 16	M 42x2	30	19	93,5	5,3	36		50
M46643-20-52	32	1.1/4"	- 20	M 52x2	38	26	111	8	40		60

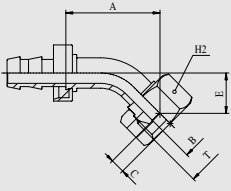
				<p><b>M10070</b> DOUBLE CONNECTOR <i>doppio inserto</i></p>							
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	inch	Size			B	A	C			
M10070-12-12	20	3/4"	- 12			14,3	30,6	130			
M10070-16-16	25	1"	- 16			19	38	164			
M10070-20-20	32	1.1/4"	- 20			24	42	206			
M10070-24-24	40	1.1/2"	- 24			30,5	42,5	232,5			
M10070-32-32	50	2"	- 32			41	42,5	244,5			

				<p><b>M..IP../DA</b> BRAZING TAIL <i>inserto a saldare</i></p>							
PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	inch	Size			B	A	D			
M12IP22/DA	20	3/4"	- 12			22	28	30			
M16IP28/DA	25	1"	- 16			28	31	38			
M20IP35/DA	32	1.1/4"	- 20			35	33	47			
M24IP38/DA	40	1.1/2"	- 24			38	33,5	50			
M32IP50/DA	50	2"	- 32			50	34	67			

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>1</sub>	
L10510-04-04	6	1/4"	- 04	1/4"-19	4	18,9	11		19	
L10510-04-06	6	1/4"	- 04	3/8"-19	7	21	12		22	
L10510-06-06	10	3/8"	- 06	3/8"-19	7	21	12		22	
L10510-08-08	12	1/2"	- 08	1/2"-14	9,5	25	14		27	
L10510-10-10	16	5/8"	- 10	5/8"-14	12	26,5	16		30	
L10510-12-12	20	3/4"	- 12	3/4"-14	16	28	16		32	
L10510-16-16	25	1"	- 16	1" -11	20	31	19		41	

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C		H <sub>2</sub>	
L20513-04-04	6	1/4"	- 04	1/4"-19	4	10,9	5,8		19	
L20513-04-06	6	1/4"	- 04	3/8"-19	7	13	6		22	
L20513-06-06	10	3/8"	- 06	3/8"-19	7	13	6		22	
L20513-08-08	12	1/2"	- 08	1/2"-14	9,5	14,5	6,5		27	
L20513-10-10	16	5/8"	- 10	5/8"-14	12	14	9		28	
L20513-12-12	20	3/4"	- 12	3/4"-14	16	15,5	9		32	
L20513-12-16	20	3/4"	- 12	1" -11	16	17,5	11		38	
L20513-16-16	25	1"	- 16	1" -11	20	20	11		38	

					<b>L20593</b>					
90° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 - (SLIP ON NUT) <i>femmina gas 90° cono 60° - BS5200 - (dado passante)</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
L20593-04-04	6	1/4"	- 04	1/4"-19	4	25	5,8	24		19
L20593-06-06	10	3/8"	- 06	3/8"-19	7	33	6	32		22
L20593-08-08	12	1/2"	- 08	1/2"-14	9,5	37	6,5	38,5		27
L20593-10-10	16	5/8"	- 10	5/8"-14	12	44,5	9	41		28
L20593-12-12	20	3/4"	- 12	3/4"-14	16	46,5	9	46,5		32
L20593-12-16	20	3/4"	- 12	1" -11	16	46,5	11	48,5		38
L20593-16-16	25	1"	- 16	1" -11	20	54	11	53		38

					<b>L20543</b>					
45° BSP FEMALE SWEPT ELBOW 60° CONE - BS5200 - (SLIP ON NUT) <i>femmina gas 45° cono 60° - BS5200 - (dado passante)</i>										
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size	T	B	A	C	E		H <sub>2</sub>
L20543-04-04	6	1/4"	- 04	1/4"-19	4	30	5,8	12		19
L20543-06-06	10	3/8"	- 06	3/8"-19	7	37,5	6	15		22
L20543-08-08	12	1/2"	- 08	1/2"-14	9,5	43	6,5	18,5		27
L20543-10-10	16	5/8"	- 10	5/8"-14	12	49,5	9	19		28
L20543-12-12	20	3/4"	- 12	3/4"-14	16	51	9	21		32
L20543-16-16	25	1"	- 16	1" -11	20	59	11	24		38