



**REI DA  
BORRACHA**  
BORRACHAS E DERIVADOS

# CATÁLOGO DE TERMINAIS

## REI DA BORRACHA

Conexões de alta qualidade  
para **máxima performance.**



### QUALIDADE

Produtos rigorosamente  
testados e aprovados.



### CONFIANÇA

Parceria sólida com clientes  
e fornecedores.



### PERFORMANCE

Soluções que garantem  
desempenho e segurança.



### ENDEREÇO

Avenida 01 n° 1407 -  
Jardim Esmeralda,  
Rondonópolis - MT,  
78705-847



### TELEFONE

(66) 3426-6613



### SITE

[reidaborrachalb.com.br](http://reidaborrachalb.com.br)



### WHATSAPP

(66) 99951-3910

# Índice

TERMINAIS PRENSÁVEIS	
CAPA PRENSÁVEL 2T	4
CAPA PRENSÁVEL 4T	4
FÊMEA GIRATÓRIA RETA JIC 37° [F J]	5
FÊMEA GIRATÓRIA CURVA 90° JIC 37° [F J 90°]	6
FÊMEA GIRATÓRIA RETA METRICA CÔNICO 24° [F A]	7
FÊMEA GIRATÓRIA CURVA 90° METRICA CÔNICO 24° [F A 90°]	8
FÊMEA GIRATÓRIA CURVA 45° METRICA CÔNICO 24° [F A 45°]	9
FÊMEA GIRATÓRIA RETA SEDE PLANA [F S P]	10
FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA [F S P 45°]	10
FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA [F S P 90°]	11
FÊMEA GIRATÓRIA RETA BSP BOLEADA [F B]	12
FÊMEA GIRATÓRIA CURVA 45° BSP BOLEADA [F B]	13
FÊMEA GIRATÓRIA CURVA 90° BSP BOLEADA [F B]	13
FÊMEA GIRATÓRIA RETA BSP JIC 37° [F P]	14
FÊMEA GIRATÓRIA CURVA 45° BSP JIC 37° [F P 45°]	14
FÊMEA GIRATÓRIA RETA METRICA JIC 37° [F M J]	15
FÊMEA GIRATÓRIA CURVA 90° METRICA JIC 37° [F M J]	16
FLANGE RETA [F L]	17
FLANGE 45 [F L 45°]	17
FLANGE 45 [F L 90°]	18
MACHO FIXO JIC 37° [M J]	19
MACHO FIXO METRICO 60° [M M]	20
MACHO FIXO NPT [M N]	21
SALVA VIDAS [T S V]	22
TERMINAL KARCHER	22
EMENDA HIDRAULICA	22
FÊMEA GIRATÓRIA CURVA 90° JIC 37 – LONGO [F J 90° LONGO]	23
OLHAL RETO	24
OLHAL 45°	25
OLHAL 90°	25
ADAPTADORES	
ADAP. MACHO NPT X MACHO JIC 37° [MN MJ]	27
ADAP. COT 45° MACHO NPT X MACHO JIC 37° [45° MN MJ]	28
ADAP. COT 90° MACHO NPT X MACHO JIC 37° [90° MN MJ]	29
ADAP. MACHO JIC 37° X MACHO JIC 37° [MJ MJ]	30
ADAP. MACHO O’RING BOSS X MACHO JIC 37° [MO MJ]	31
ADAP. COT. 45° MACHO O’RING BOSS X MACHO JIC 37° [90° MO MJ]	32
ADAP. COT. 90° MACHO O’RING BOSS X MACHO JIC 37° [45° MO MJ]	33
ADAP. MACHO NPT X MACHO NPT [MN MN]	34
ADAP. COT. 45° MACHO NPT X MACHO NPT [MN MN]	34
ADAP. TAMPÃO MACHO NPT [TAMPÃO NPT]	35
ADAP. FÊMEA FIXA NPT X FÊMEA FIXA NTP [LUVA FF]	35
ADAP. COT. 90° FÊMEA FIXA X FEMEA FIXA[TEE FF]	35
ADAP. TEE FÊMEA FIXA NPT [TEE FF]	36
ADAP. TEE MACHO NPT [TEE MN]	36
ADAP. MACHO JIC 37° X MACHO O’RING BSP [MJ MBSP]	37
ADAP. COT 45° MACHO JIC 37° X MACHO O’RING BSP [45° MJ MBSP]	37
ADAP. COT 90° MACHO JIC 37° X MACHO O’RING BSP [45° MJ MBSP]	37
ADAP. MACHO JIC 37° X MACHO SEDE PLANA [MJ MSP]	38
ADAP. MACHO JIC 37° X MACHO O’RING MÉTRICO [MJ MM]	39
ADAP. COT 90 ° MACHO JIC 37° X MACHO O’RING MÉT. [90° MJ MM]	40

ADAP. MACHO JIC 37° X FF NPT [MJ FF]	40
ADAP. TEE MACHO JIC 37° [TEE MJ]	41
ADAP. TEE MACHO JIC 37° X FÊMEA JIC 37° CENTRAL [TEE MJ MJ C]	41
ADAP. TEE MACHO JIC 37° X FÊMEA JIC 37° LATERAL [TEE MJ MJ L]	41
ADAP. TEE MACHO JIC 37° X MACHO NPT CENTRAL [TEE MJ MPT C]	42
ADAP. TEE MACHO JIC 37° X MACHO NPT LATERAL [TEE MJ MPT L]	42
ADAP. TAMPÃO MACHO SEDE PLANA [T MSP]	42
ADAP. TAMPÃO FÊMEA SEDE PLANA [T FSP]	43
ADAP. MACHO SEDE PLANA X MACHO NPT [MSP NPT]	43
ADAP. MACHO SEDE PLANA X MACHO O'RING UNF [MSP MO]	44
ADAP. MACHO JIC 37° X FLANGE COD. 61 [MJ FL 61]	44
ADAP. COT. 45° MACHO JIC X FLANGE COD. 61 [45° MJ FL 61]	45
ADAP. COT. 90° MACHO JIC X FLANGE COD. 61 [90° MJ FL 61]	45
ADAP. MACHO JIC 37° X FLANGE COD. 61 [MJ FL 62]	46
ADAP. COT. 45° MACHO JIC X FLANGE COD. 61 [45° MJ FL 62]	46
ADAP. COT. 90° MACHO JIC X FLANGE COD. 61 [90° MJ FL 62]	47
<b>TERMINAIS INTERLOCK</b>	
CAPA Prensada INTERLOCK P/ MANGUEIRA 4SH/R13 [CP INT]	48
FLANGE RETA COD. 62 INTERLOCK [FL INT 62]	48
FLANGE CURVA 45° COD 62 INTERLOCK [FL 45° INT 62]	48
FLANGE CURVA 90° COD 62 INTERLOCK [FL 90° INT 62]	49
FÊMEA GIRATÓRIA RETA JIC 37° INTERLOCK [FJ INT]	49
FÊMEA GIRATÓRIA CURVA 45° JIC 37° INTERLOCK [FJ 45° INT]	50
FÊMEA GIRATÓRIA CURVA 90° JIC 37° INTERLOCK [FJ 90° INT]	50
MACHO FIXO NPT INTERLOCK [MN INT]	50
FÊMEA GIRATÓRIA RETA SEDE PLANA INTERLOCK [FSP INT]	50
FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA INTERLOCK [FSP 90° INT]	51
<b>TERMINAIS PRENSAVEIS CRIMP</b>	
FÊMEA GIRATÓRIA RETA METRICA CÔNICO 24° [CRIMP - F A]	53
FÊMEA GIRATÓRIA CURVA 45° METRICA CÔNICO 24° [CRIMP - F A 45°]	54
FÊMEA GIRATÓRIA CURVA 90° METRICA CÔNICO 24° [CRIMP - F A 90°]	55
FÊMEA GIRATÓRIA RETA JIC 37° [CRIMP - F J]	56
FÊMEA GIRATÓRIA CURVA 45° JIC 37° [CRIMP - F J 45°]	57
FÊMEA GIRATÓRIA CURVA 90° JIC 37° [CRIMP - F J 90°]	58
MACHO FIXO NPT [CRIMP - M N]	59
FÊMEA GIRATÓRIA RETA SEDE PLANA [CRIMP - F S P]	60
FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA [CRIMP - F S P 45°]	60
FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA [CRIMP - F S P 90°]	61
FÊMEA GIRATÓRIA RETA BSP BOLEADA [CRIMP - F B]	61

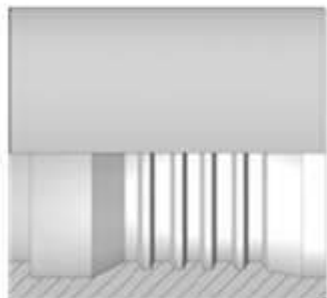


# TERMINAIS PRENSÁVEIS

---



## CAPA PRENSÁVEL 2T



CÓDIGO

MANGUEIRA

02

3/16

02\*

3/16

04

1/4

06

3/8

08

1/2

10

5/8

12

3/4

16

1"

20

1.1/4

24

1.1/2

32

2"

## CAPA PRENSÁVEL 4T



CÓDIGO

MANGUEIRA

12 - 6T

3/4

16 - 6T

1"

20 - 6T

1.1/4

24 - 6T

1.1/2

32 - 6T

2"

**F J**

CÓDIGO

ROSCA

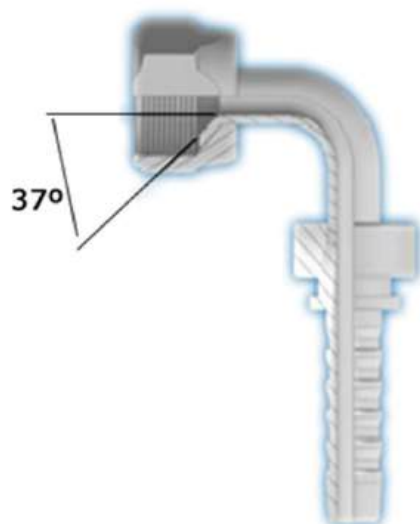
MANGUEIRA



Fêmea Giratoria  
Reta JIC 37°

04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

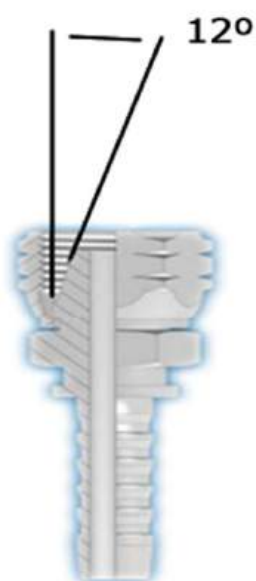
**F J 90°**



**Fêmea Giratória  
Curva 90° JIC 37°**

CÓDIGO	ROSCA	MANGUEIRA
04-04	7/12-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06'	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.5/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-11	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

**F A**

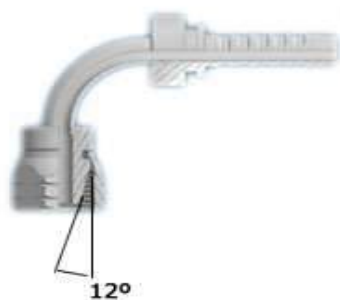


**Fêmea Giratória  
Reta Métrica  
Cônico 24°**

**Substitui Porca e Anilha**

CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-08-16	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20,12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M20X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M24X1,5	18	5/8
28-19-10	M26X1,5	19	5/8
30-20-10(1,5)	M28X1,5	20	5/8
30-20-10(2,0)	M30X1,5	20	5/8
30-22-10(1,5)	M30X2,0	22	5/8
30-22-10(2,0)	M30X1,5	22	5/8
30-20-12(1,5)	M30X2,0	20	3/4
30-20-12(2,0)	M30X1,5	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-16(1,5)	M34X1,5	25	1"
34-25-16(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1/1.4
48-38-20(2,0)	M48X2,0	38	1/1.4
52-42-24(2,0)	M52X2,0	42	1/1.2
52-42-32(2,0)	M52X2,0	42	2"

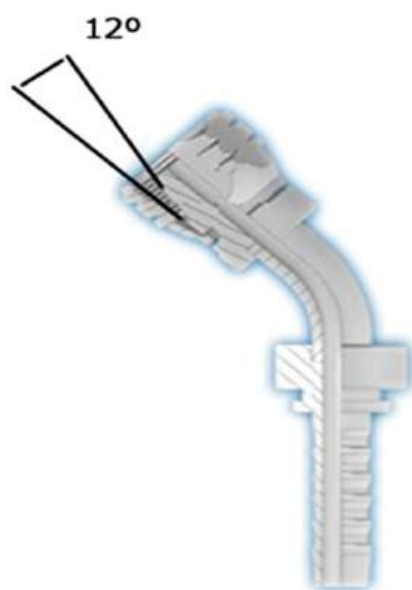
**F.A 90°**



Fêmea Giratoria Curva 90°  
Métrica Cônico 24°

CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-10-06	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20-12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M24X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M26X1,5	18	5/8
28-19-10	M28X1,5	19	5/8
30-20-10(1,5)	M30X1,5	20	5/8
30-20-10(2,0)	M30X2,0	20	5/8
30-22-10(1,5)	M30X1,5	22	5/8
30-22-10(2,0)	M30X2,0	22	5/8
30-20-12(1,5)	M30X1,5	20	3/4
30-20-12(2,0)	M30X2,0	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
30-22-12(2,0)	M30X2,0	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-12(1,5)	M34X1,5	25	1"
34-25-12(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1.1/4
48-38-20(2,0)	M48X2,0	38	1.1/4
52-42-24(2,0)	M52X2,0	42	1.1/2
52-42-32(2,0)	M52X2,0	42	2"

**F A 45°**



**Fêmea Giratória  
Curva 45° Métrica  
Cônico 24°**

**Substitui Porca e Anilha**

CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-08-16	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20,12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M20X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M24X1,5	18	5/8
28-19-10	M26X1,5	19	5/8
30-20-10(1,5)	M28X1,5	20	5/8
30-20-10(2,0)	M30X1,5	20	5/8
30-22-10(1,5)	M30X2,0	22	5/8
30-22-10(2,0)	M30X1,5	22	5/8
30-20-12(1,5)	M30X2,0	20	3/4
30-20-12(2,0)	M30X1,5	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
30-22-12(1,5)	M30X1,5	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-16(1,5)	M34X1,5	25	1"
34-25-16(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1/1.4
48-38-20(2,0)	M48X2,0	38	1/1.4
52-42-24(2,0)	M52X2,0	42	1/1.2
52-42-32(2,0)	M52X2,0	42	2"

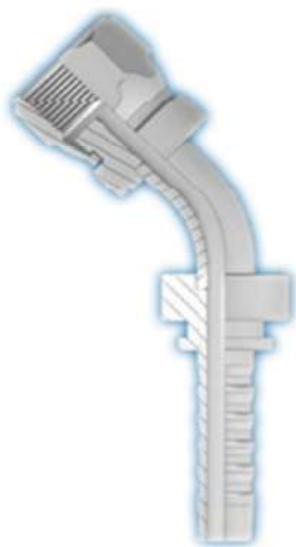
**F S P**



**Fêmea Giratória  
Reta Sede Plana**

CÓDIGO	ROSCA	MANGUEIRA
04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

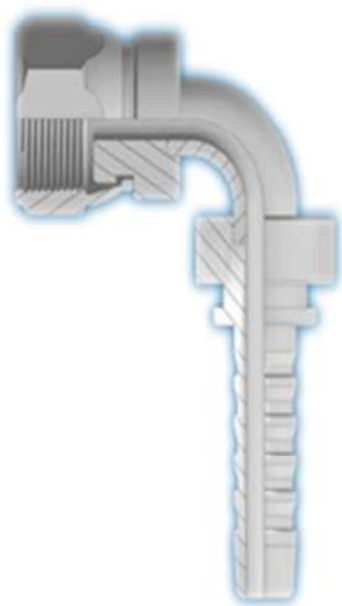
**F S P 45°**



**Fêmea Giratória  
Curva 45° Sede Plana**

CÓDIGO	ROSCA	MANGUEIRA
04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

**F S P 90°**



**Fêmea Giratória  
Curva 90° Sede Plana**

CÓDIGO

ROSCA

MANGUEIRA

04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

**F B**

CÓDIGO

ROSCA

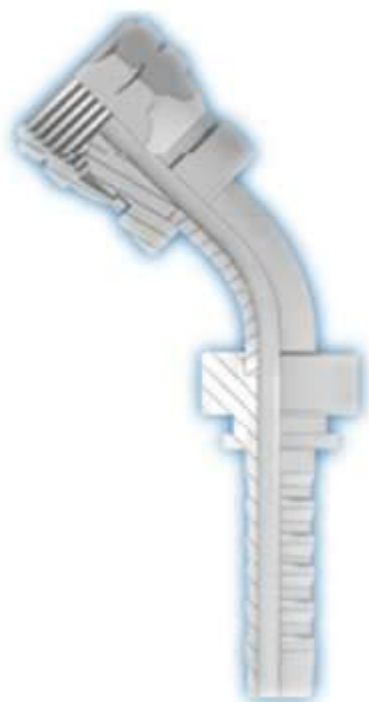
MANGUEIRA



**Fêmea Giratória  
Reta BSP Boleada**

04-04	1/4-19	1/4
06-04	3/8-19	1/4
04-06	1/4-19	3/8
06-06	3/8-19	3/8
08-06	1/2-14	3/8
08-06	3/8-19	1/2
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10a	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/4-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-20	1.1/4-11	1.1/4
24-24	1.1/2-11	1.1/2
32-32	2-11	2"

**F B 45°**



Fêmea Giratória  
Curva 45° BSP  
Boleada

CÓDIGO	ROSCA	MANGUEIRA
04-04	1/4-19	1/4
06-04	3/8-19	1/4
04-06	1/4-19	3/8
06-06	3/8-19	3/8
08-06	1/2-14	3/8
06-08	3/8-19	1/2
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/8-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-20	1.1/4-11	1.1/4
24-24	1.1/2-11	1.1/2
32-32	2-11	2"

**F B 90**



Fêmea Giratoria  
Curva 90° BSP Boleada

CÓDIGO	ROSCA	MANGUEIRA
04-04	1/4-19	1/4
06-04	3/8-19	1/4
04-06	1/4-19	3/8
06-06	3/8-19	3/8
08-06	1/2-14	3/8
08-06	3/8-19	1/2
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/4-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-20	1.1/4-11	1.1/4
24-24	1.1/2-11	1.1/2
32-32	2-11	2"

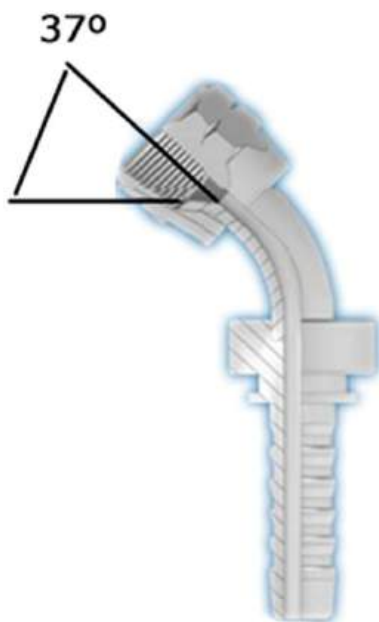
**F P**



**Fêmea Giratoria Reta BSP JIC 37°**

CÓDIGO	ROSCA	MANGUEIRA
04-04	1/4-19	1/4
06-04	3/8-19	1/4
06-06	3/8-19	3/8
08-06	1/2-14	3/8
06-08	3/8-19	1/2
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/4-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-20	1.1/4-11	1.1/4
24-24	1.1/2-11	1.1/2
32-32	2-11	2"

**F P 45°**



**Fêmea Giratória Curva 45° BSP JIC 37°**

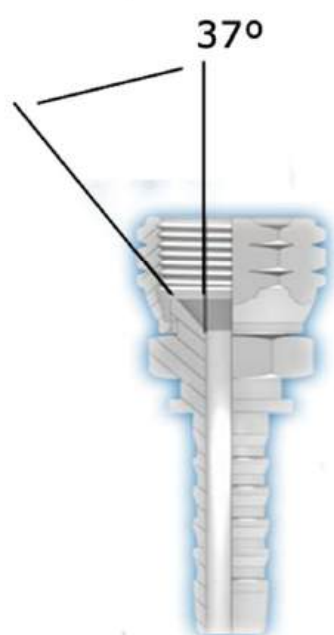
CÓDIGO	ROSCA	MANGUEIRA
04-04	1/4-19	1/4
06-04	3/8-19	1/4
06-06	3/8-19	3/8
08-06	1/2-14	3/8
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/4-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-16	1.1/4-11	1"
20-20	1.1/4-11	1.1/4
24-20	1.1/2-11	1.1/4
24-24	1.1/2-11	1.1/2
32-24	2.1/2-11	1.1/2
32-32	2-11	2"

**F M J**

CÓDIGO

ROSCA

MANGUEIRA



Fêmea Giratória Reta  
Métrica JIC 37°

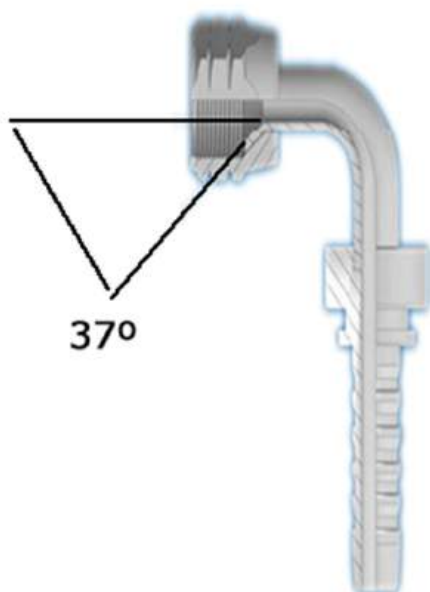
12-04	M12X1,5	1/4
14-04	M14X1,5	1/4
16-04	M16X1,5	1/4
16-06	M16X1,5	3/8
18-06	M18X1,5	3/8
20-06	M20X1,5	3/8
22-06	M22X1,5	3/8
24-06	M24X1,5	3/8
26-06	M26X1,5	3/8
18-08	M18X1,5	1/2
20-08	M20X1,5	1/2
22-08	M22X1,5	1/2
24-08	M24X1,5	1/2
26-08	M26X1,5	1/2
28-08	M28X1,5	1/2
22-10	M22X1,5	5/8
24-10	M24X1,5	5/8
26-10	M26X1,5	5/8
28-10	M28X1,5	5/8
30-10(1,5)	M30X1,5	5/8
30-10(2,0)	M30X2,0	5/8
24-12	M24X1,5	3/4
26-12	M26X1,5	3/4
28-12	M28X1,5	3/4
30-12(1,5)	M30X1,5	3/4
30-12(2,0)	M30X2,0	3/4
34-12(1,5)	M34X1,5	3/4
34-12(2,0)	M34X2,0	3/4
36-12(1,5)	M36X1,5	3/4
36-12(2,0)	M36X2,0	3/4
33-16(2,0)	M33X2,0	1"
34-16(1,5)	M34X1,5	1"
34-16(2,0)	M34X2,0	1"
36-16(1,5)	M36X1,5	1"
36-16(2,0)	M36X2,0	1"
42-20(2,0)	M42X2,0	1.1/4

**F M J 90°**

CÓDIGO

ROSCA

MANGUEIRA

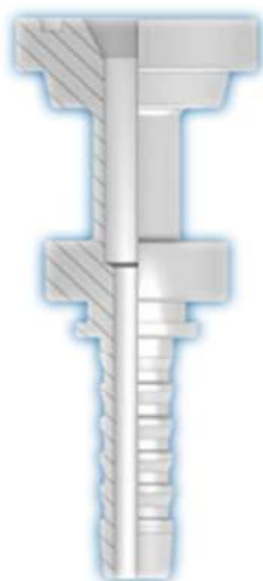


37°

Fêmea Giratória  
Curva 90°  
Métrica JIC 37°

12-04	M12X1,5	1/4
14-04	M14X1,5	1/4
16-04	M16X1,5	1/4
16-06	M16X1,5	3/8
18-06	M18X1,5	3/8
20-06	M20X1,5	3/8
22-06	M22X1,5	3/8
24-06	M24X1,5	3/8
26-06	M26X1,5	3/8
18-08	M18X1,5	1/2
20-08	M20X1,5	1/2
22-08	M22X1,5	1/2
24-08	M24X1,5	1/2
26-08	M26X1,5	1/2
28-08	M28X1,5	1/2
22-10	M22X1,5	5/8
24-10	M24X1,5	5/8
26-10	M26X1,5	5/8
28-10	M28X1,5	5/8
30-10(1,5)	M30X1,5	5/8
30-10(2,0)	M30X2,0	5/8
24-12	M24X1,5	3/4
26-12	M26X1,5	3/4
28-12	M28X1,5	3/4
30-12(1,5)	M30X1,5	3/4
30-12(2,0)	M30X2,0	3/4
34-12(1,5)	M34X1,5	3/4
34-12(2,0)	M34X2,0	3/4
36-12(1,5)	M36X1,5	3/4
36-12(2,0)	M36X2,0	3/4
33-16(2,0)	M33X2,0	1"
34-16(1,5)	M34X1,5	1"
34-16(2,0)	M34X2,0	1"
36-16(1,5)	M36X1,5	1"
36-16(2,0)	M36X2,0	1"
42-20(2,0)	M42X2,0	1.1/4

**FL**



**Flange Reta  
(Trava na Solda)**

CÓDIGO	FLANGE	MANGUEIRA
08-08	30,2	1/2
12-08	38,1	1/2
08-10	30,2	5/8
12-10	38,1	5/8
16-10	44,5	5/8
12-12	38,1	3/4
16-12	44,5	3/4
20-12	50,8	3/4
12-16	38,1	1"
16-16	44,5	1"
20-16	50,8	1"
20-20	50,8	1.1/4
24-16	60,3	1"
24-20	60,3	1.1/4
24-24	60,3	1.1/4
32-24	71,4	1.1/2
32-32	71,4	2"

**FL 45°**



**Flange 45°  
(Trava na Solda)**

CÓDIGO	FLANGE	MANGUEIRA
08-08	30,2	1/2
12-08	38,1	1/2
08-10	30,2	5/8
12-10	38,1	5/8
16-10	44,5	5/8
12-12	38,1	3/4
16-12	44,5	3/4
20-12	50,8	3/4
12-16	38,1	1"
16-16	44,5	1"
20-16	50,8	1"
20-20	50,8	1.1/4
24-16	60,3	1"
24-20	60,3	1.1/4
24-24	60,3	1.1/4
32-24	71,4	1.1/2
32-32	71,4	2"

**F L 90°**



Flange 90°  
(Trava na Solda)

CÓDIGO

FLANGE

MANGUEIRA

08-08	30,2	1/2
12-08	38,1	1/2
08-10	30,2	5/8
12-10	38,1	5/8
16-10	44,5	5/8
12-12	38,1	3/4
16-12	44,5	3/4
20-12	50,8	3/4
12-16	38,1	1"
16-16	44,5	1"
20-16	50,8	1"
20-20	50,8	1.1/4
24-16	60,3	1"
24-20	60,3	1.1/4
24-24	60,3	1.1/4
32-24	71,4	1.1/2
32-32	71,4	2"

**M J**

CÓDIGO

ROSCA

MANGUEIRA



Macho fixo JIC 37°

04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

**M M**

CÓDIGO

ROSCA

MANGUEIRA



**Macho Fixo  
Metrico 60°**

Usado em vedação boleada

12-04	M12X1,5	1/4
14-04	M14X1,5	1/4
16-04	M16X1,5	1/4
12-06	M12X1,5	3/8
14-06	M14X1,5	3/8
16-06	M16X1,5	3/8
18-06	M18X1,5	3/8
20-06	M20X1,5	3/8
22-06	M22X1,5	3/8
18-08	M18X1,5	1/2
20-08	M20X1,5	1/2
22-08	M22X1,5	1/2
24-08	M24X1,5	1/2
24-10	M24X1,5	5/8
26-10	M26X1,5	5/8
28-10	M28X1,5	5/8
30-10(1,5)	M30X1,5	5/8
30-10(2,0)	M30X2,0	5/8
30-12(1,5)	M30X1,5	3/4
30-12(2,0)	M30X2,0	3/4
34-12(1,5)	M34X1,5	3/4
34-12(2,0)	M34X2,0	3/4
34-16(1,5)	M34X1,5	1"
34-16(2,0)	M34X2,0	1"
38-16(2,0)	M38X2,0	1"
42-16(2,0)	M42X2,0	1"

**M N**

CÓDIGO

ROSCA

MANGUEIRA




Macho Fixo NPT

02-04	1/8-27	1/4
04-04	1/4-18	1/4
06-04	3/8-18	1/4
04-06	1/4-18	3/8
06-06	3/8-18	3/8
08-06	1/2-14	3/8
06-08	3/8-18	1/2
08-08	1/2-14	1/2
12-08	3/4-14	1/2
08-10	1/2-14	5/8
12-10	3/4-14	5/8
16-10	1-11,5	5/8
08-12	1/2-14	3/4
12-12	3/4-14	3/4
16-12	1-11,5	3/4
12-16	3/4-14	1"
16-16	1-11,5	1"
20-16	1.1/4-11,5	1"
20-20	1.1/4-11,5	1.1/4
24-20	1.1/2-11,5	1.1/4
24-24	1.1/2-11,5	1.1/2
32-24	2-11,5	1.1/2
32-32	2-11,5	2"

<b>TSV</b>	<b>CÓDIGO</b>	<b>TUBO</b>	<b>MANGUEIRA</b>
	02-02	3/16	3/16
	04-04	1/4	1/4
	06-06	3/8	3/8
	08-08	1/2	1/2
	10-10	5/8	5/8
	12-12	3/4	3/4
	16-16	1"	1"
	20-20	1.1/4	1.1/4
	24-24	1.1/2	1.1/2
	32-32	2"	2"

**Salva Vidas  
(Trava para Solda)**

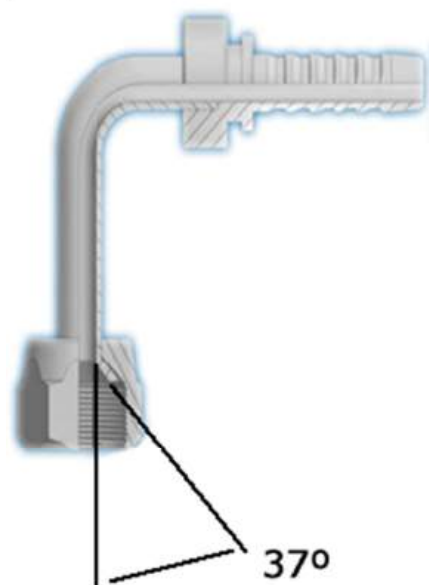
<b>Term. Karcher</b>	<b>CÓDIGO</b>	<b>ROSCA</b>	<b>MANGUEIRA</b>
	22-04	M22X1,5	1/4
	22-06	M22X1,5	3/8

**Conexões p/ Bomba  
de Lavar Karcher**

<b>Emenda Hidráulica</b>	<b>CÓDIGO</b>	<b>MANGUEIRA</b>
	04-04	1/4
	06-06	3/8
	08-08	1/2
	10-10	5/8
	12-12	3/4
	16-16	1"
	20-20	1.1/4
	24-24	1.1/4
	32-32	2"

**Emenda Hidráulica**

**F J 90° - Longo**



**Fêmea Giratória  
Curva 90°  
JIC 37° - Longa**

CÓDIGO	ROSCA	MANGUEIRA
04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	12/-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
12-12	7/8-14	3/4
12-16	1.1/16-12	3/4
16-12	1.1/16-12	1"
16-16	1.5/16-12	3/4
20-16	1.5/16-12	1"
16-20	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

## OLHAL RETO



Olhal Reto

CÓDIGO	FURO	MANGUEIRA
10-02	10	3/16
08-04	08	1/4
10-04	10	1/4
10-06	10	3/8
12-06	12	3/8
13-06	13	3/8
14-06	14	3/8
16-06	16	3/8
12-08	12	1/2
14-08	14	1/2
16-08	16	1/2
18-08	18	1/2
18-10	18	5/8
19-08	19	1/2
22-08	22	1/2
26-22	26	7/8

## OLHAL 45°



Olhal 45°

CÓDIGO

FURO

MANGUEIRA

10-02

10

3/16

08-04

08

1/4

10-04

10

1/4

10-06

10

3/8

12-06

12

3/8

13-06

13

3/8

14-06

14

3/8

16-06

16

3/8

12-08

12

1/2

14-08

14

1/2

16-08

16

1/2

18-08

18

1/2

## OLHAL 90°



Olhal 90°

CÓDIGO

FURO

MANGUEIRA

10-02

10

3/16

08-04

08

1/4

10-04

10

1/4

10-06

10

3/8

12-06

12

3/8

13-06

13

3/8

14-06

14

3/8

16-06

16

3/8

12-08

12

1/2

14-08

14

1/2

16-08

16

1/2

18-08

18

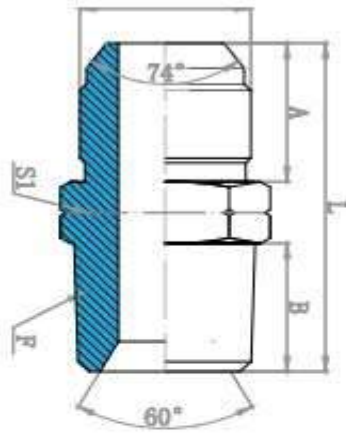
1/2



# ADAPTADORES

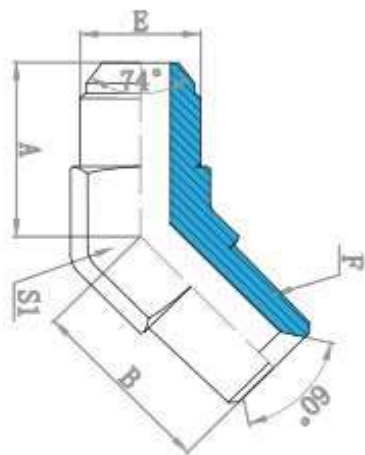


**MN - MJ**



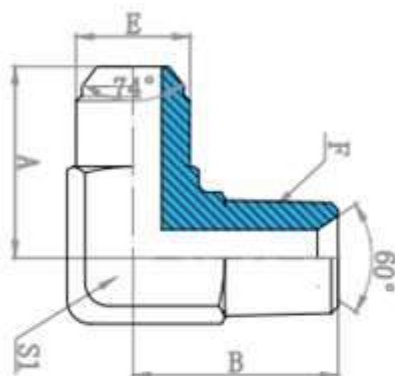
CÓDIGO	ROSCA		DIMENSÃO				
	F	E	A	B	S1	L	
-02-04	Z1/4"X18	U7/16"X20	14	14	14	34	
-04-04	Z3/8"X18	U7/16"X20	14	14	19	34	
-06-04	Z1/2"X14	U7/16"X20	14	19	22	41.5	
-08-04	Z1/4"X18	U1/2"X20	14	14	14	34	
-04-05	Z3/8"X18	U1/2"X20	14	14	19	34	
-06-05	Z1/2"X14	U1/2"X20	14	19	22	41.5	
-08-05	Z1/4"X18	U9/16"X18	14	14	17	34	
-04-06	Z3/8"X18	U9/16"X18	14	14	19	34	
-06-06	Z1/2"X14	U9/16"X18	14	19	22	41	
-08-06	Z1/4"X18	U3/4"X16	16.7	14	22	39	
-04-08	Z3/8"X18	U3/4"X16	16.7	14	22	38	
-06-08	Z1/2"X14	U3/4"X16	16.7	19	22	44	
-08-08	Z3/4"X14	U3/4"X16	16.7	19.5	30	46	
-12-08	Z3/8"X18	U7/8"X14	19.5	14	24	42	
-06-10	Z1/2"X14	U7/8"X14	19.5	19	24	47	
-08-10	Z3/4"X14	U7/8"X14	19.5	19.5	30	48	
-12-10	Z1/2"X14	U1.1/16"X12	22	19	30	50	
-08-12	Z3/4"X14	U1.1/16"X12	22	19.5	30	50	
-12-12	Z1"X11.5	U1.1/16"X12	22	24	36	57	
16-12	Z1.1/4"X11.5	U1.1/16"X12	22	25	46	60	
20-12	Z3/4"X14	U1.5/16"X12	23	19.5	36	53	
12-16	Z1"X11.5	U1.5/16"X12	23	24	36	58	
20-16	Z1.1/4"X11.5	U1.5/16"X12	23	25	46	61	
24-16	Z1.1/2"X11.5	U1.5/16"X12	23	25	50	64	
16-20	Z1"X11.5	U1.5/8"X12	24.5	24	46	62	
20-20	Z1.1/4"X11.5	U1.5/8"X12	24.5	25	46	63	
24-24	Z1.1/2"X11.5	U1.7/8"X12	27.5	25	50	69	
32-24	Z2"X11.5	U1.7/8"X12	27.5	29	70	74	
32-32	Z2"X11.5	U2.1/2"X12	34	29	70	81	

## 45° MN - MJ



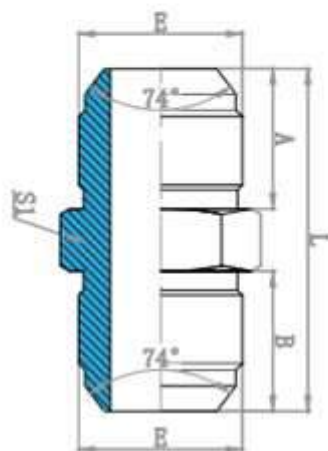
CÓDIGO	MANGUEIRA		DIMENSÃO		
	F	E	A	B	S1
02-04	Z1/8"X27	U7/16"X20	20	20	11
04-04	Z1/4"X18	U7/16"X20	22	22	14
06-04	Z3/8"X18	U7/16"X20	22	22	17
08-04	Z1/2"X14	U7/16"X20	27	27	22
04-05	Z1/4"X18	U1/2"X20	22	22	14
04-06	Z1/4"X18	U9/16"X18	22	22	14
06-06	Z3/8"X18	U9/16"X18	22	22	17
08-06	Z1/2"X14	U9/16"X18	27	27	22
04-08	Z1/4"X18	U3/4"X16	25	25	19
06-08	Z3/8"X18	U3/4"X16	25	25	19
08-08	Z1/2"X14	U3/4"X16	27	27	22
12-08	Z3/4"X14	U3/4"X16	33	33	27
08-10	Z1/2"X14	U7/8"X14	27	27	22
12-10	Z3/4"X14	U7/8"X14	33	33	27
08-12	Z1/2"X14	U1.1/16"X12	33	33	27
12+12	Z3/4"X14	U1.1/16"X12	33	33	27
16-12	Z1"X11.5	U1.1/16"X12	37	37	33
12-16	Z3/4"X14	U1.5/16"X12	37	37	33
16-16	Z1"X11.5	U1.5/16"X12	37	37	33
20-16	Z1.1/4"X11.5	U1.5/16"X12	40	40	44
16-20	Z1"X11.5	U1.5/8"X12	40	40	44
20-20	Z1.1/4"X11.5	U1.5/8"X12	40	40	44
24-20	Z1.1/2"X11.5	U1.7/8"X12	47	47	53
24-24	Z1.1/2"X11.5	U1.7/8"X12	47	47	53
32-32	Z2"X11.5	U2.1/2"X12	55	55	65

**90° MP-MJ**



CÓDIGO	ROSCA		DIMENSÃO		
	F	E	A	B	S1
-02-04	Z1/8"X27	U7/16"X20	22	22	11
-04-04	Z1/4"X18	U7/16"X20	29	27	14
-06-04	Z3/8"X18	U7/16"X20	29	30	17
-02-05	Z1/8"X27	U1/2"X20	29	27	14
-04-05	Z1/4"X18	U1/2"X20	29	27	14
-06-05	Z3/8"X18	U1/2"X20	29	30	17
-06-06	Z3/8"X18	U9/16"X18	22	22	17
-04-06	Z1/4"X18	U9/16"X18	29	27	14
-08-06	Z1/2"X14	U9/16"X18	37	37	22
-04-08	Z1/4"X18	U3/4"X16	33	33	19
-06-08	Z3/8"X18	U3/4"X16	33	33	19
-08-08	Z1/2"X14	U3/4"X16	37	37	22
-12-08	Z3/4"X14	U3/4"X16	40	40	27
-06-10	Z3/8"X18	U7/8"X14	37	37	22
-08-10	Z1/2"X14	U7/8"X14	37	37	22
-12-10	Z3/4"X14	U7/8"X14	40	40	27
-08-12	Z1/2"X14	U1.1/16"X12	40	40	27
-12-12	Z3/4"X14	U1.1/16"X12	40	40	27
-16-12	Z1"X11.5	U1.1/16"X12	49	49	33
-12-16	Z3/4"X14	U1.5/16"X12	49	49	33
-16-16	Z1"X11.5	U1.5/16"X12	49	49	33
-20-16	Z1.1/4"X11.5	U1.5/16"X12	57	57	44
-24-16	Z1.1/2"X11.5	U1.5/16"X12	57	57	48
-16-20	Z1"X11.5	U1.5/8"X12	57	57	44
-20-20	Z1.1/4"X11.5	U1.5/8"X12	57	57	44
-24-20	Z1.1/2"X11.5	U1.7/8"X12	57	57	48
-24-24	Z1.1/2"X11.5	U1.7/8"X12	57	57	48
-20-24	Z1.1/4"X11.5	U1.7/8"X12	57	57	48
-24-32	Z1.1/2"X11.5	U2.1/2"X12	66	66	65
-32-32	Z2"X11.5	U2.1/2"X12	66	66	65

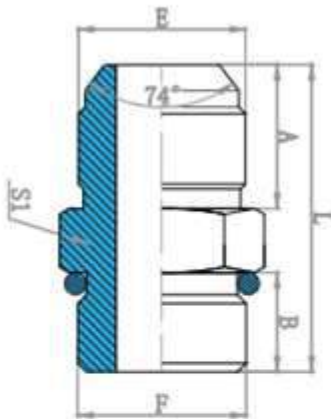
**MJ - MJ**



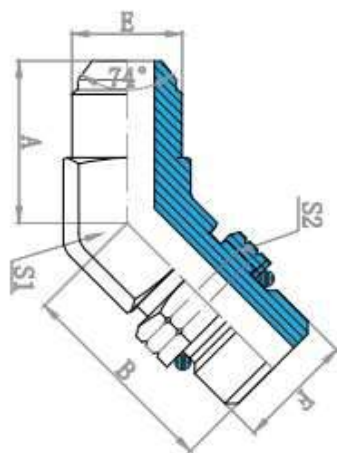
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	L	
02-02	U5/16"X24	U5/16"X24	11.5	11.5	12	29	
04-04	U7/16"X20	U7/16"X20	14	14	14	34	
04-05	U7/16"X20	U1/2"X20	14	14	14	34	
04-06	U7/16"X20	U9/16"X18	14	14	17	34	
04-08	U7/16"X20	U3/4"X16	14	16.7	22	39	
05-05	U1/2"X20	U1/2"X20	14	14	14	34	
05-06	U1/2"X20	U9/16"X18	14	14	17	35	
05-08	U1/2"X20	U3/4"X16	14	16.7	22	39	
05-10	U1/2"X20	U7/8"X14	14	19.5	24	42	
06-06	U9/16"X18	U9/16"X18	14	14	17	35.5	
06-08	U9/16"X18	U3/4"X16	14	16.7	22	38	
06-10	U9/16"X18	U7/8"X14	14	19.5	24	42	
06-12	U9/16"X18	U1.1/16"X12	14	22	30	46	
08-08	U3/4"X16	U3/4"X16	16.7	16.7	22	42	
08-10	U3/4"X16	U7/8"X14	16.7	19.5	24	44	
08-12	U3/4"X16	U1.1/16"X12	16.7	22	30	49	
08-16	U3/4"X16	U1.5/16"X12	16.7	23	36	51	
10-10	U7/8"X14	U7/8"X14	19.5	19.5	24	47.5	
10-12	U7/8"X14	U1.1/16"X12	19.5	22	30	52	
10-16	U7/8"X14	U1.5/16"X12	19.5	23	36	53.5	
12-12	U1.1/16"X12	U1.1/16"X12	22	22	30	55	
12-16	U1.1/16"X12	U1.5/16"X12	22	23	36	56	
16-16	U1.5/16"X12	U1.5/16"X12	23	23	36	57	
16-20	U1.5/16"X12	U1.5/8"X12	23	24.5	46	60	
20-20	U1.5/8"X12	U1.5/8"X12	24.5	24.5	46	61.5	
20-24	U1.5/8"X12	U1.7/8"X12	24.5	27.5	50	66.5	
20-32	U1.5/8"X12	U2.1/2"X12	24.5	34	70	75.5	

MO - MJ

CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	L	
04-04	U7/16"X20	U7/16"X20	14	10	14	31	
04-05	U7/16"X20	U1/2"X20	14	10	17	30	
04-06	U7/16"X20	U9/16"X18	14	12	17	32	
04-08	U7/16"X20	U3/4"X16	14	12	24	35	
05-05	U1/2"X20	U1/2"X20	14	10	17	30	
05-04	U1/2"X20	U7/16"X20	14	10	14	30	
05-06	U1/2"X20	U9/16"X18	14	12	17	32	
05-08	U1/2"X20	U3/4"X16	14	12	24	35	
06-06	U9/16"X18	U9/16"X18	14	12	17	33	
06-04	U9/16"X18	U7/16"X20	14	10	17	31	
06-05	U9/16"X18	U1/2"X20	14	10	17	30	
06-08	U9/16"X18	U3/4"X16	14	12	24	35	
06-10	U9/16"X18	U7/8"X14	14	13.5	27	36	
06-12	U9/16"X18	U1.1/16"X12	14	16	32	39	
08-08	U3/4"X16	U3/4"X16	16.7	12	24	37	
08-04	U3/4"X16	U7/16"X20	16.7	10	22	35	
08-06	U3/4"X16	U9/16"X18	16.7	12	22	37	
08-10	U3/4"X16	U7/8"X14	16.7	13.5	27	39	
08-12	U3/4"X16	U1.1/16"X12	16.7	16	32	42	
10-10	U7/8"X14	U7/8"X14	19.5	13.5	27	41.5	
10-08	U7/8"X14	U3/4"X16	19.5	12	24	40	
10-12	U7/8"X14	U1.1/16"X12	19.5	16	32	45	
12-12	U1.1/16"X12	U1.1/16"X12	22	16	32	47	
12-08	U1.1/16"X12	U3/4"X16	22	12	30	43	
12-10	U1.1/16"X12	U7/8"X14	22	13.5	30	45	
12-16	U1.1/16"X12	U1.5/16"X12	22	17	41	50	
16-16	U1.5/16"X12	U1.5/16"X12	23	17	41	51	
16-12	U1.5/16"X12	U1.1/16"X12	23	16	36	50	
16-20	U1.5/16"X12	U1.5/8"X12	23	18	50	55	
20-20	U1.5/8"X12	U1.5/8"X12	24.5	18	50	56	

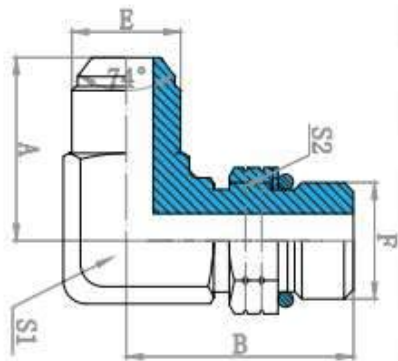


**45° MJ-MO C/ ENCOSTO**



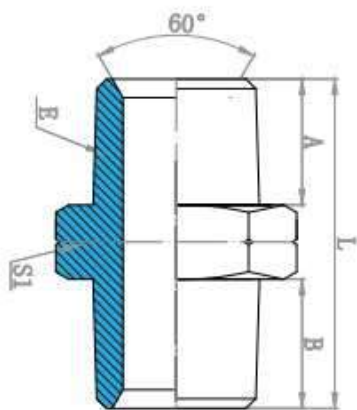
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	S2	
04OG	U7/16"X20	U7/16"X20	20	24	11	17	
04-06OG	U7/16"X20	U9/16"X18	22	27.5	14	19	
04-08OG	U7/16"X20	U3/4"X16	25	32.5	19	24	
05OG	U1/2"X20	U1/2"X20	22	26.7	14	17	
05-04OG	U1/2"X20	U7/16"X20	22	26.7	14	17	
06OG	U9/16"X18	U9/16"X18	22	28	14	19	
06-04OG	U9/16"X18	U7/16"X20	22	26	14	17	
06-05OG	U9/16"X18	U1/2"X20	22	26	14	17	
06-08OG	U9/16"X18	U3/4"X16	25	32.5	19	24	
06-10OG	U9/16"X18	U7/8"X14	27	38.5	22	27	
08OG	U3/4"X16	U3/4"X16	25	32.5	19	24	
08-06OG	U3/4"X16	U9/16"X18	25	28	19	19	
08-10OG	U3/4"X16	U7/8"X14	27	38.7	22	27	
08-12OG	U3/4"X16	U1.1/16"X12	33	43.9	27	32	
10OG	U7/8"X14	U7/8"X14	27	38.7	22	27	
10-08OG	U7/8"X14	U3/4"X16	27	33	22	27	
10-12OG	U7/8"X14	U1.1/16"X12	33	43.9	27	32	
12OG	U1.1/16"X12	U1.1/16"X12	33	43.5	27	32	
12-10OG	U1.1/16"X12	U7/8"X14	33	42	27	27	
12-16OG	U1.1/16"X12	U1.5/16"X12	37	45.5	33	41	
16OG	U1.5/16"X12	U1.5/16"X12	37	45.5	33	41	
16-12OG	U1.5/16"X12	U1.1/16"X12	37	45	33	32	
16-20OG	U1.5/16"X12	U1.5/8"X12	40	47	44	50	
20OG	U1.5/8"X12	U1.5/8"X12	40	48.5	44	50	
20-24OG	U1.5/8"X12	U1.7/8"X12	47	50	53	55	
24OG	U1.7/8"X12	U1.7/8"X12	47	50	53	55	
32OG	U1.7/8"X12	U2.1/2"X12	55	54	65	70	

**90° MJ-MO C/ ENCOSTO**



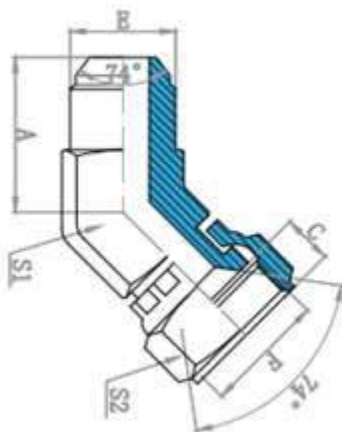
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	S2	
04-04OG	U7/16"X20	U7/16"X20	22	27.2	11	17	
04-06OG	U7/16"X20	U9/16"X18	29	31.8	14	19	
05-04OG	U1/2"X20	U7/16"X20	29	30	14	17	
05-05OG	U1/2"X20	U1/2"X20	29	29	14	17	
05-06OG	U1/2"X20	U9/16"X18	29	31.8	14	19	
06-06OG	U9/16"X18	U9/16"X18	29	31.8	14	19	
06-04OG	U9/16"X18	U7/16"X20	29	30	14	17	
06-05OG	U9/16"X18	U1/2"X20	29	29.9	14	17	
06-08OG	U9/16"X18	U3/4"X16	33	36.8	19	24	
08-04OG	U3/4"X16	U7/16"X20	33	33	19	17	
08-08OG	U3/4"X16	U3/4"X16	33	36.8	19	24	
08-06OG	U3/4"X16	U9/16"X18	33	33.5	19	19	
08-10OG	U3/4"X16	U7/8"X14	37	44	22	27	
08-12OG	U3/4"X16	U1.1/16"X12	40	51	27	32	
10-10OG	U7/8"X14	U7/8"X14	37	44	22	27	
10-08OG	U7/8"X14	U3/4"X16	37	40	22	27	
10-12OG	U7/8"X14	U1.1/16"X12	40	51	27	32	
12-12OG	U1.1/16"X12	U1.1/16"X12	40	51	27	32	
12-10OG	U1.1/16"X12	U7/8"X14	40	47	27	27	
12-16OG	U1.1/16"X12	U1.5/16"X12	49	54.5	33	41	
16-16OG	U1.5/16"X12	U1.5/16"X12	49	54.5	33	41	
16-12OG	U1.5/16"X12	U1.1/16"X12	49	54.5	33	32	
16-20OG	U1.5/16"X12	U1.5/8"X12	57	59	44	50	
20-20OG	U1.5/8"X12	U1.5/8"X12	57	59	44	50	
20-24OG	U1.5/8"X12	U1.7/8"X12	57	63	48	55	
24-24OG	U1.7/8"X12	U1.7/8"X12	57	63	48	55	
32-32OG	U1.7/8"X12	U2.1/2"X12	66	76	65	70	

**MN - MN**



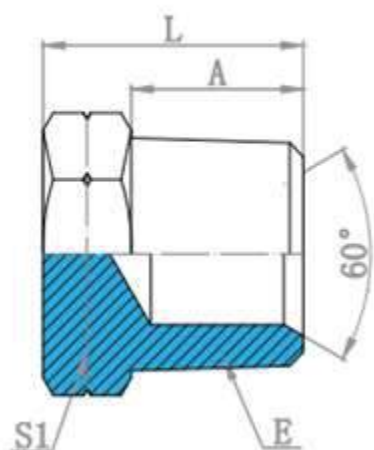
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	L	
02-02	Z1/8"X27	Z1/8"X27	10	10	12	26	
02-04	Z1/8"X27	Z1/4"X18	10	14	14	30	
02-06	Z1/8"X27	Z3/8"X18	10	14	17	30	
04-04	Z1/4"X18	Z1/4"X18	14	14	14	34	
04-06	Z1/4"X18	Z3/8"X18	14	14	17	34	
04-08	Z1/4"X18	Z1/2"X14	14	19	22	41.5	
06-06	Z3/8"X18	Z3/8"X18	14	14	17	34	
06-08	Z3/8"X18	Z1/2"X14	14	19	22	41	
08-08	Z1/2"X14	Z1/2"X14	19	19	22	46	
08-12	Z1/2"X14	Z3/4"X14	19	19.5	27	47	
12-12	Z3/4"X14	Z3/4"X14	19.5	19.5	27	48	
12-16	Z3/4"X14	Z1"X11.5	19.5	24	36	53	
16-16	Z1"X11.5	Z1"X11.5	24	24	36	58	
16-20	Z1"X11.5	Z1.1/4"X11.5	24	25	46	62	
20-20	Z1.1/4"X11.5	Z1.1/4"X11.5	25	25	46	63	
20-24	Z1.1/4"X11.5	Z1.1/2"X11.5	25	25	50	65	
24-24	Z1.1/2"X11.5	Z1.1/2"X11.5	25	25	50	65	
24-32	Z1.1/2"X11.5	Z2"X11.5	25	29	70	72	
32-32	Z2"X11.5	Z2"X11.5	29	29	70	75	

**45° MJ - FJ**



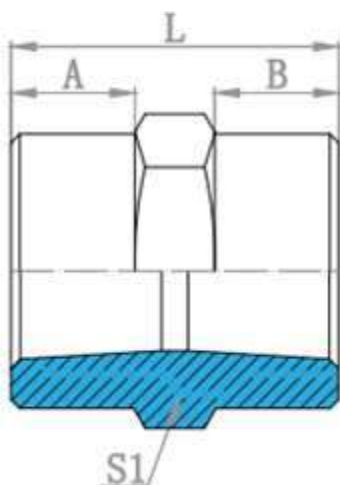
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	C	S1	S2
04-04	U7/16"X20	U7/16"X20	20	8.5	11	17
05-05	U1/2"X20	U1/2"X20	22	9.5	14	19
06-06	U9/16"X18	U9/16"X18	22	10	14	19
08-08	U3/4"X16	U3/4"X16	25	11	19	24
10-10	U7/8"X14	U7/8"X14	27	11	22	27
12-12	U1.1/16"X12	U1.1/16"X12	33	13.5	27	32
16-16	U1.5/16"X12	U1.5/16"X12	37	14.5	33	41
20-20	U1.5/8"X12	U1.5/8"X12	40	15.5	44	50
24-24	U1.7/8"X12	U1.7/8"X12	47	18.5	53	55
32-32	U2.1/2"X12	U2.1/2"X12	55	24.5	65	75

**TAMPAO NTP**



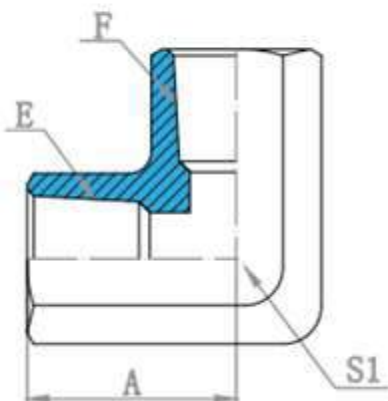
CÓDIGO	ROSCA		DIMENSÃO		
	E	A	S1	L	
02	Z1/8"X27	10	12	16	
04	Z1/4"X18	14	17	20	
06	Z3/8"X18	14	19	21	
08	Z1/2"X14	19	22	27	
12	Z3/4"X14	19.5	30	29	
16	Z1"X11.5	24	36	36	
20	Z1.1/4"X11.5	25	46	38	
24	Z1.1/2"X11.5	25	50	41	
32	Z2"X11.5	29	65	46	

**LUVA FF**



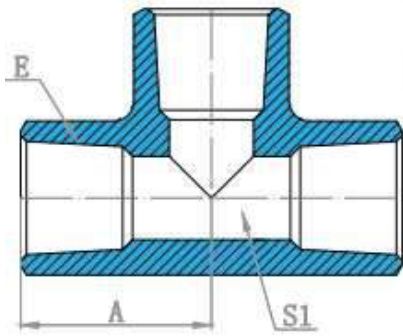
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	L
02-02	Z1/8"X27	Z1/8"X27	8	8	14	22
04-02	Z1/4"X18	Z1/8"X27	10	8	19	26
04-04	Z1/4"X18	Z1/4"X18	10	10	19	28
06-04	Z3/8"X18	Z1/4"X18	10	8	19	26
06-06	Z3/8"X18	Z3/8"X18	11	11	19	28
08-04	Z1/2"X14	Z1/4"X18	14	10	27	34
08-08	Z1/2"X14	Z1/2"X14	14	14	27	38
12-12	Z3/4"X14	Z3/4"X14	15.5	15.5	36	42
16-16	Z1"X11.5	Z1"X11.5	17	17	41	50
20-20	Z1.1/4"X11.5	Z1.1/4"X11.5	19	19	50	55
24-24	Z1.1/2"X11.5	Z1.1/2"X11.5	19	19	55	55
32-32	Z2"X11.5	Z2"X11.5	21	21	70	60

**90° FF - FF**



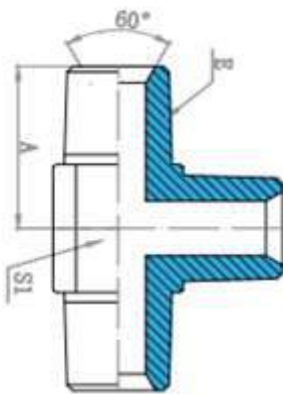
CÓDIGO	ROSCA		DIMENSÃO	
	E	F	A	S1
02-02	Z1/8"X27	Z1/8"X27	17	14
02-04	Z1/8"X27	Z1/4"X18	21	17
04-04	Z1/4"X18	Z1/4"X18	21	17
06-06	Z3/8"X18	Z3/8"X18	24	22
08-08	Z1/2"X14	Z1/2"X14	27	26
12-12	Z3/4"X14	Z3/4"X14	33	34
16-16	Z1"X11.5	Z1"X11.5	38	41
20-20	Z1.1/4"X11.5	Z1.1/4"X11.5	45	54
24-24	Z1.1/2"X11.5	Z1.1/2"X11.5	47	56
32-32	Z2"X11.5	Z2"X11.5	60	68

**TEE - FF**



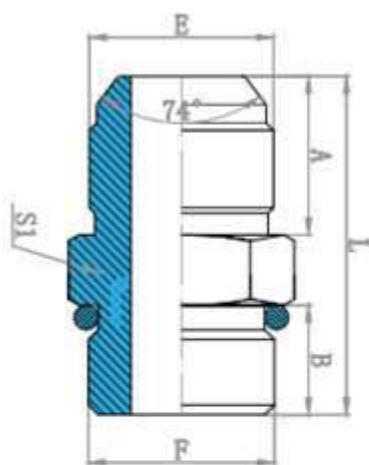
CÓDIGO	ROSCA	DIMENSÃO	
	E	A	S1
02	Z1/8"X27	17	14
04	Z1/4"X18	21	17
06	Z3/8"X18	24	22
08	Z1/2"X14	27	26
12	Z3/4"X14	33	34
16	Z1"X11.5	38	41
20	Z1.1/4"X11.5	45	54
24	Z1.1/2"X11.5	47	56
32	Z2"X11.5	60	68

**TEE MN**



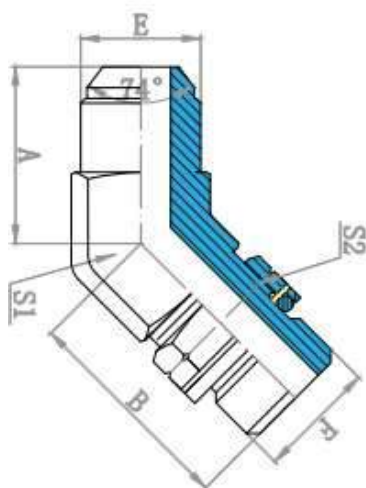
CÓDIGO	ROSCA	DIMENSÃO	
	E	A	S1
02	Z1/8"X27	24	11
04	Z1/4"X18	27	14
06	Z3/8"X18	28	17
08	Z1/2"X14	33	22
12	Z3/4"X14	40	27
16	Z1"X11.5	49	33
20	Z1.1/4"X11.5	57	44

### MJ - MBSP



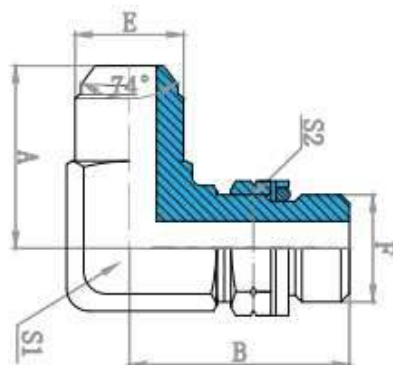
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	L
04-02	U7/16"X20	G1/8"X28	14	9	14	29
04-04	U7/16"X20	G1/4"X19	14	12	19	33
04-06	U7/16"X20	G3/8"X19	14	13.5	22	35
04-08	U7/16"X20	G1/2"X14	14	16	27	39
05-04	U1/2"X20	G1/4"X19	14	12	19	33
05-06	U1/2"X20	G3/8"X19	14	13.5	22	35
05-08	U1/2"X20	G1/2"X14	14	16	27	39
06-04	U9/16"X18	G1/4"X19	14	12	19	32
06-06	U9/16"X18	G3/8"X19	14	13.5	22	35
06-08	U9/16"X18	G1/2"X14	14	16	27	39
08-04	U3/4"X16	G1/4"X19	16.7	12	22	37
08-06	U3/4"X16	G3/8"X19	16.7	13.5	22	38.5
08-08	U3/4"X16	G1/2"X14	16.7	16	27	41
08-12	U3/4"X16	G3/4"X14	16.7	18.5	32	46
10-06	U7/8"X14	G3/8"X19	19.5	13.5	24	42
10-08	U7/8"X14	G1/2"X14	19.5	16	27	45
10-12	U7/8"X14	G3/4"X14	19.5	18.5	32	49
12-08	U1.1/16"X12	G1/2"X14	22	16	30	47
12-20	U1.1/16"X12	G1.1/4"X11	22	2.5	50	56
16-12	U1.5/16"X12	G3/4"X14	23	18.5	36	56.2
16-16	U1.5/16"X12	G1"X11	23	20.5	41	55
16-20	U1.5/16"X12	G1.1/4"X11	23	20.5	50	57
20-16	U1.5/8"X12	G1"X11	24.5	20.5	46	58
20-20	U1.5/8"X12	G1.1/4"X11	24.5	2.5	50	58
24-16	U1.7/8"X12	G1"X11	27.5	20.5	50	61
24-20	U1.7/8"X12	G1.1/4"X11	27.5	20.5	50	61
24-24	U1.7/8"X12	G1.1/2"X11	27.5	23	55	67

### 45° MJ-MBSP C/ ENC



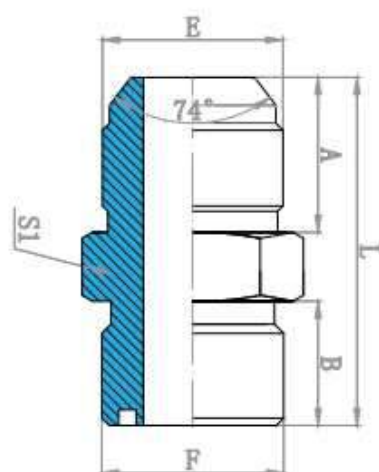
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	S2
04-04OG	U7/16"X20	G1/4"X19	22	28	14	19
05-04OG	U1/2"X20	G1/4"X19	22	28	14	19
06-04OG	U9/16"X18	G1/4"X19	22	28	17	19
06-06OG	U9/16"X18	G3/8"X19	22	32	17	22
08-06OG	U3/4"X16	G3/8"X19	25	32	19	22
08-08OG	U3/4"X16	G1/2"X14	27	36	22	27
10-08OG	U7/8"X14	G1/2"X14	27	38	22	27
10-10OG	U7/8"X14	G5/8"X14	27	38	22	30
12-10OG	U1.1/16"X12	G5/8"X14	33	38.5	27	30
12-16OG	U1.1/16"X12	G1"X11	37	44	33	41
12-12OG	U1.1/16"X12	G3/4"X14	33	42	27	32
16-12OG	U1.5/16"X12	G3/4"X14	37	44	33	32
16-16OG	U1.5/16"X12	G1"X11	37	44	33	41
20-20OG	U1.5/8"X12	G1.1/4"X11	40	47.5	44	50
24-24OG	U1.7/8"X12	G1.1/2"X11	47	51.5	53	55

90° MJ - MBSP



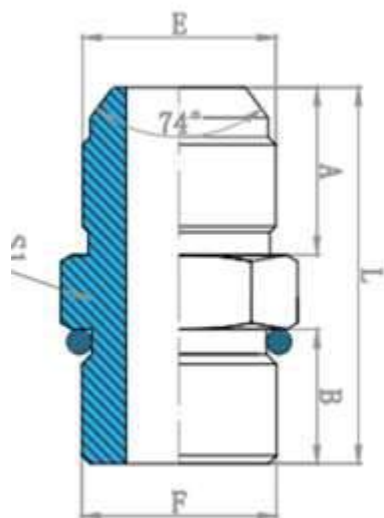
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	S2	
04-02OG	U7/16"X20	G1/8"X28	22	26.2	11	14	
04-06OG	U7/16"X20	G3/8"X19	30	36.8	17	22	
04-04OG	U7/16"X20	G1/4"X19	29	31.3	14	19	
05-04OG	U1/2"X20	G1/4"X19	29	31.8	14	19	
05-06OG	U1/2"X20	G3/8"X19	30	35.8	17	22	
05-08OG	U1/2"X20	G1/2"X14	37	43.2	22	27	
06-04OG	U9/16"X18	G1/4"X19	29	31.3	14	19	
06-08OG	U9/16"X18	G1/2"X14	37	43.2	22	27	
06-06OG	U9/16"X18	G3/8"X19	30	35.8	17	22	
08-04OG	U3/4"X16	G1/4"X19	33	33.5	19	19	
08-06OG	U3/4"X16	G3/8"X19	33	3.8	19	22	
08-08OG	U3/4"X16	G1/2"X14	37	43.2	22	27	
08-12OG	U3/4"X16	G3/4"X14	40	49.3	27	32	
10-06OG	U7/8"X16	G3/8"X19	37	39.2	22	22	
10-08OG	U7/8"X16	G1/2"X14	37	43.2	22	27	
10-12OG	U7/8"X16	G3/4"X14	40	49.3	27	32	
12-12OG	U1.1/16"X12	G3/4"X14	40	49.3	27	32	
12-08-OG	U1.1/16"X12	G1/2"X14	40	4.5	27	27	
12-16OG	U1.1/16"X12	G1"X11	49	53	33	41	
16-16OG	U1.5/16"X12	G1"X11	49	53	33	41	
16-12OG	U1.5/16"X12	G3/4"X14	49	53	33	32	
16-20OG	U1.5/16"X12	G1.1/4"X11	57	58	44	50	
20-20OG	U1.5/8"X12	G1.1/4"X11	57	58	44	50	
20-16OG	U1.5/8"X12	G1"X11	57	58	44	41	
24-16OG	U1.7/8"X12	G1"X11	57	63	48	41	
24-20OG	U1.7/8"X12	G1.1/4"X11	57	63	48	50	
24-24OG	U1.7/8"X12	G1.1/2"X11	57	63	48	55	

MJ - MSP



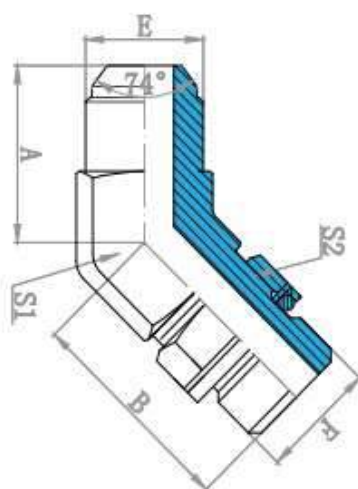
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	L	
04-04	U7/1"X20	U9/16"X18	14	12	17	32	
05-04	U1/2"X20	U9/16"X18	14	12	17	32	
05-06	U1/2"X20	U11/16"X16	14	14	19	34	
06-04	U9/16"X18	U9/16"X18	14	12	17	32	
08-06	U3/4"X16	U11/16"X16	16.7	14	19	37	
08-08	U3/4"X16	U13/16"X16	16.7	15	22	40	
10-08	U7/8"X16	U13/16"X16	19.5	15	24	43	
10-10	U7/8"X16	U1"X14	19.5	16.5	27	46	
12-10	U1.1/16"X12	U1"X14	22	16.5	30	49	
12-12	U1.1/16"X12	U1.3/16"X12	22	17	32	50	
16-12	U1.5/16"X12	U1.3/16"X12	23	17	36	51	
16-16	U1.5/16"X12	U1.7/16"X12	23	18.5	41	54	
20-16	U1.5/8"X12	U1.7/16"X12	24.5	18.5	46	56	
20-20	U1.5/8"X12	U1.11/16"X12	24.5	19.5	46	57	
24-20	U1.7/8"X12	U1.11/16"X12	27.5	19.5	50	64	

**MJ - MM**



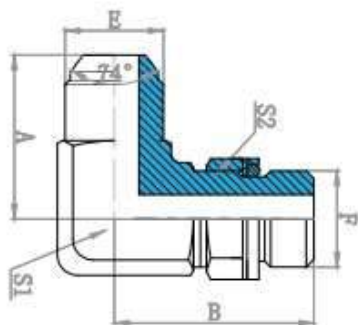
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	L
04-10	U7/16"X20	M10X1	14	11	14	31
04-12	U7/16"X20	M12X1.5	14	11	17	31
04-14	U7/16"X20	M14X1.5	14	11	19	32
05-10	U1/2"X20	M10X1	14	11	14	31
05-12	U1/2"X20	M12X1.5	14	11	17	31
05-14	U1/2"X20	M14X1.5	14	11	19	31
06-14	U9/16"X18	M14X1.5	14	11	19	32
06-16	U9/16"X18	M16X1.5	14	11	22	33
06-18	U9/16"X18	M18X1.5	14	11	24	33
08-14	U3/4"X16	M14X1.5	16.7	11	22	36
08-16	U3/4"X16	M16X1.5	16.7	11	22	36
08-18	U3/4"X16	M18X1.5	16.7	11	24	36
08-22	U3/4"X16	M22X1.5	16.7	12	27	37
10-16	U7/8"X14	M16X1.5	13.5	11	24	33
10-18	U7/8"X14	M18X1.5	13.5	11	24	33
10-22	U7/8"X14	M22X1.5	13.5	12	27	33
12-22	U1.1/16"X12	M22X1.5	16	12	30	38
12-27	U1.1/16"X12	M27X2	16	13	32	39
16-27	U1.5/16"X12	M27X2	16	13	36	40

**45° MJ - MM**



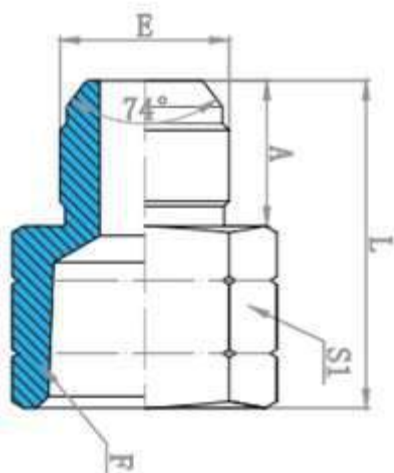
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	S2
04-100G	U7/16"X20	M10X1	20	23.5	11	14
04-120G	U7/16"X20	M12X1.5	22	27.5	14	17
04-140G	U7/16"X20	M14X1.5	22	28.3	14	19
05-120G	U1/2"X20	M12X1.5	22	28.3	14	17
05-140G	U1/2"X20	M14X1.5	22	28.3	14	19
06-140G	U9/16"X18	M14X1.5	22	28.3	14	19
06-160G	U9/16"X18	M16X1.5	22	29	17	22
08-160G	U3/4"X16	M16X1.5	25	30	19	22
08-180G	U3/4"X16	M18X1.5	25	31	19	24
10-160G	U7/8"X14	M16X1.5	27	31	22	22
10-180G	U7/8"X14	M18X1.5	27	32	22	24
10-220G	U7/8"X14	M22X1.5	33	33	27	27
12-220G	U1.1/16"X12	M22X1.5	33	34.5	27	27
12-270G	U1.1/16"X12	M27X2	33	39.5	27	32
16-270G	U1.5/16"X12	M27X2	37	41	33	32

**90° MJ - MM**



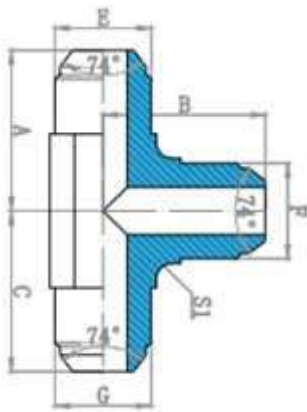
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	S2
04-10OG	U7/16"X20	M10X1	22	27.5	11	14
04-12OG	U7/16"X20	M12X1.5	29	30.3	14	17
04-14OG	U7/16"X20	M14X1.5	29	32	14	19
05-12OG	U1/2"X20	M12X1.5	29	32	14	17
05-14OG	U1/2"X20	M14X1.5	29	32	14	19
06-14OG	U9/16"X18	M14X1.5	29	32	14	19
06-16OG	U9/16"X18	M16X1.5	30	34.8	17	22
08-16OG	U3/4"X16	M16X1.5	33	38	19	22
08-18OG	U3/4"X16	M18X1.5	33	38	19	24
10-16OG	U7/8"X14	M16X1.5	37	38	22	22
10-18OG	U7/8"X14	M18X1.5	37	39.5	22	24
10-22OG	U7/8"X14	M22X1.5	40	42.5	27	27
12-22OG	U1.1/16"X12	M22X1.5	40	44	27	27
12-27OG	U1.1/16"X12	M27X2	40	48.5	27	32
16-27OG	U1.5/16"X12	M27X2	49	41	33	32

**MJ - FF**



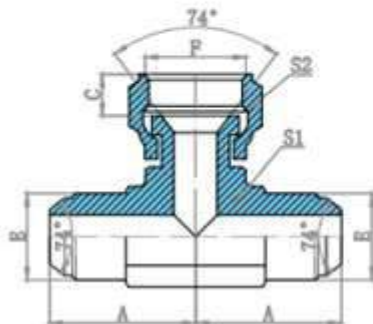
CÓDIGO	ROSCA		DIMENSÃO		
	E	F	A	S1	L
04-02	U7/16"X20	Z1/8"X27	14	17	29
04-04	U7/16"X20	Z1/4"X18	14	19	32
05-04	U1/2"X20	Z1/4"X18	14	19	32
06-04	U9/16"X18	Z1/4"X18	14	19	32
06-06	U9/16"X18	Z3/8"X18	14	22	34
06-08	U9/16"X18	Z1/2"X14	14	30	40
08-06	U3/4"X16	Z3/8"X18	16.7	22	37
08-08	U3/4"X16	Z1/2"X14	16.7	30	43
08-12	U3/4"X16	Z3/4"X14	16.7	36	47
10-08	U7/8"X14	Z1/2"X14	19.5	30	46
10-12	U7/8"X14	Z3/4"X14	19.5	36	50
12-08	U1.1/16"X12	Z1/2"X14	22	30	48
12-12	U1.1/16"X12	Z3/4"X14	22	36	52
16-12	U1.5/16"X12	Z3/4"X14	23	36	53
16-16	U1.5/16"X12	Z1"X11.5	23	41	57
20-20	U1.5/8"X12	Z1.1/4"X11.5	24.5	50	61
24-24	U1.7/8"X12	Z1.1/2"X11.5	27.5	60	65
32-32	U2.1/2"X12	Z2"X11.5	34	70	71

**TEE - MJ**



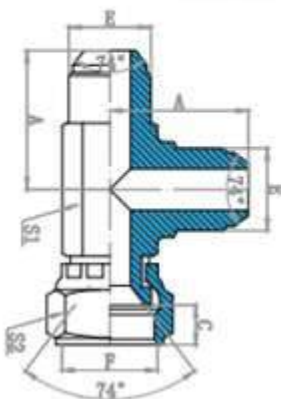
CÓDIGO	ROSCA			DIMENSÃO			
	E	F	G	A	B	C	S1
04	U7/16"X20	U7/16"X20	U7/16"X20	24	24	24	11
04-06-04	U7/16"X20	U9/16"X18	U7/16"X20	27	27	27	14
05	U1/2"X20	U1/2"X20	U1/2"X20	27	27	27	14
06-04-06	U9/16"X18	U7/16"X20	U9/16"X18	27	27	27	14
06	U9/16"X18	U9/16"X18	U9/16"X18	27	27	27	14
08	U3/4"X16	U3/4"X16	U3/4"X16	30	30	30	19
08-06-08	U3/4"X16	U9/16"X18	U3/4"X16	30	30	30	19
10	U7/8"X14	U7/8"X14	U7/8"X14	33	33	33	22
12	U1.1/16"X12	U1.1/16"X12	U1.1/16"X12	40	40	40	27
16	U1.5/16"X12	U1.5/16"X12	U1.5/16"X12	49	49	49	33
16-12-16	U1.5/16"X12	U1.1/16"X12	U1.5/16"X12	49	49	49	33
20	U1.5/8"X12	U1.5/8"X12	U1.5/8"X12	57	57	57	44

**TEE - MJ - FJC**



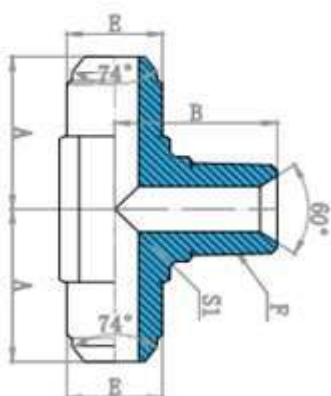
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	C	S1	S2
04	U7/16"X20	U7/16"X20	24	8.5	11	17
05	U1/2"X20	U1/2"X20	27	9.5	14	19
06	U9/16"X18	U9/16"X18	27	10	14	19
08	U3/4"X16	U3/4"X16	30	11	19	24
10	U7/8"X14	U7/8"X14	33	11	22	27
12	U1.1/16"X12	U1.1/16"X12	40	13.5	27	32
16	U1.5/16"X12	U1.5/16"X12	49	14.5	33	41
20	U1.5/8"X12	U1.5/8"X12	57	15.5	44	50

**TEE - MJ - FJL**



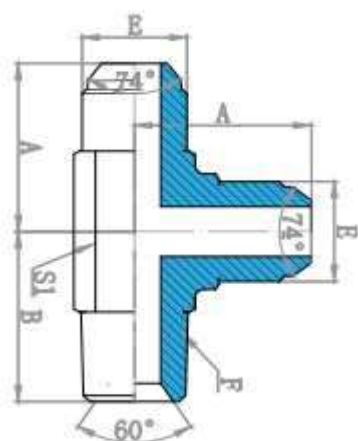
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	C	S1	S2
04	U7/16"X20	U7/16"X20	24	8.5	11	17
05	U1/2"X20	U1/2"X20	27	9.5	14	19
06	U9/16"X18	U9/16"X18	27	10	14	19
08	U3/4"X16	U3/4"X16	30	11	19	24
10	U7/8"X14	U7/8"X14	33	11	22	27
12	U1.1/16"X12	U1.1/16"X12	40	13.5	27	32
16	U1.5/16"X12	U1.5/16"X12	49	14.5	33	41
20	U1.5/8"X12	U1.5/8"X12	57	15.5	44	50

**TEE - MJ - NPT C**



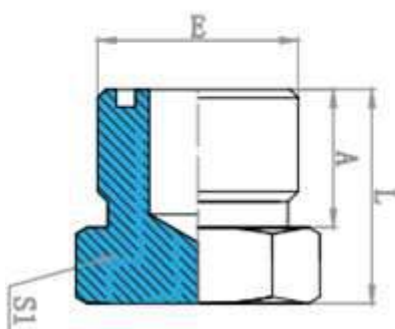
CÓDIGO	ROSCA		DIMENSÃO		
	E	F	A	B	S1
04	U7/16"X20	Z1/4"X18	27	27	14
04-02-04	U7/16"X20	Z1/8"X27	24	24	11
05-02-05	U1/2"X20	Z1/8"X27	27	27	14
05-04-05	U1/2"X20	Z1/4"X18	27	27	14
06	U9/16"X18	Z3/8"X18	28	28	17
06-04-06	U9/16"X18	Z1/4"X18	27	27	14
08	U3/4"X16	Z1/2"X14	33	33	22
08-06-08	U3/4"X16	Z3/8"X18	30	30	19
10-08-10	U7/8"X14	Z1/2"X14	33	33	22
10-12-10	U7/8"X14	Z3/4"X14	40	40	27
12	U1.1/16"X12	Z3/4"X14	40	40	27
16	U1.5/16"X12	Z1"X11.5	49	49	33
20	U1.5/8"X12	Z1.1/4"X11.5	57	57	44

**TEE - MJ - NTP L**



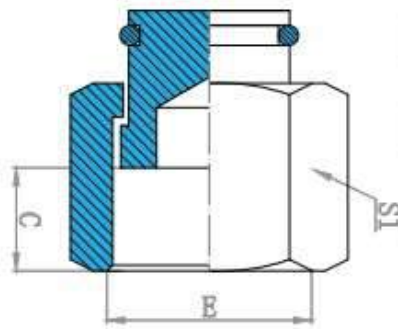
CÓDIGO	ROSCA		DIMENSÃO	
	E	F	A	B
04	U7/16"X20	Z1/4"X18	27	27
04-04-02	U7/16"X20	Z1/8"X27	24	24
05-05-02	U1/2"X20	Z1/8"X27	27	27
05-05-04	U1/2"X20	Z1/4"X18	27	27
06	U9/16"X18	Z3/8"X18	28	28
06-06-04	U9/16"X18	Z1/4"X18	27	27
08	U3/4"X16	Z1/2"X14	33	33
08-08-06	U3/4"X16	Z3/8"X18	30	30
10-10-08	U7/8"X14	Z1/2"X14	33	33
10-10-12	U7/8"X14	Z3/4"X14	40	40
12	U1.1/16"X12	Z3/4"X14	40	40
16	U1.5/16"X12	Z1"X11.5	49	49
20	U1.5/8"X12	Z1.1/4"X11.5	57	57

**T - MSP**



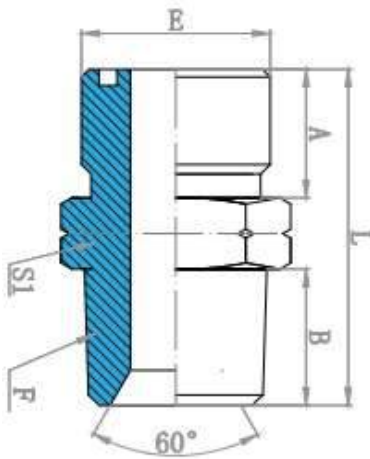
CÓDIGO	ROSCA		DIMENSÃO		
	E	A	S1	L	
04	U9/16"X18	12	19	18	
06	U11/16"X16	14	22	22	
08	U13/16"X16	15	27	24	
10	U1"X14	16.5	30	26	
12	U1.3/16"X12	17	36	27	
16	U1.7/16"X12	18.5	41	30	
20	U1.11/16"X12	19.5	50	36	

**T - FSP**



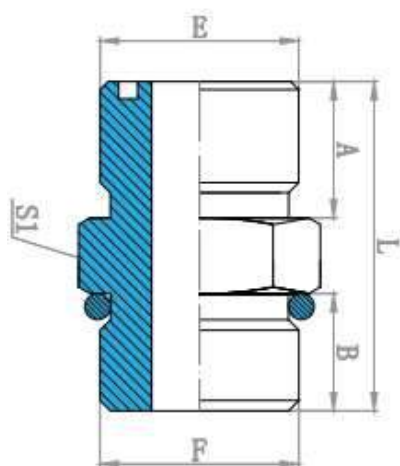
CÓDIGO	ROSCA		DIMENSÃO	
	E	C	S1	
04	U9/16"X18	11	19	
06	U11/16"X16	10	22	
08	U13/16"X16	11	27	
10	U1"X14	13.5	30	
12	U1.3/16"X12	13	36	
16	U1.7/16"X12	15	41	
20	U1.11/16"X12	17.5	50	

**MSP - NTP**



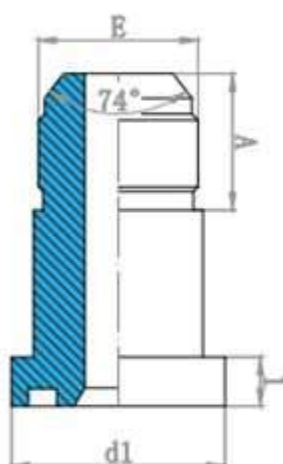
CÓDIGO	ROSCA		DIMENSÃO				
	E	F	A	B	S1	L	
04-02	U9/16"X18	Z1/8"X27	10	10	17	26	
04-04	U9/16"X18	Z1/4"X18	10	14	17	30	
04-06	U9/16"X18	Z8X18	10	14	17	30	
04-06	U11/16"X16	Z1/4"X18	11	14	19	31	
06-06	U11/16"X16	Z3X18	11	14	19	31	
06-08	U11/16"X16	Z1/2"X14	11	19	22	38	
08-04	U13/16"X16	Z1/4"X18	12	14	22	34	
08-06	U13/16"X16	Z3/8"X18	12	14	22	34	
08-08	U13/16"X16	Z1/2"X14	12	19	22	39	
08-12	U13/16"X16	Z3/4"X14	12	19.5	27	40	
10-08	U1"X14	Z1/2"X14	13.5	19	27	41	
10-12	U1"X14	Z3/4"X14	13.5	19.5	27	42	
12-08	U1.3/16"X12	Z1/2"X14	13.5	19	32	41	
12-12	U1.3/16"X12	Z3/4"X14	13.5	19.5	32	42	
12-16	U1.3/16"X12	Z1"X11.5	13.5	24	36	48	
16-12	U1.7/16"X12	Z3/4"X14	14.5	19.5	41	46	
16-16	U1.7/16"X12	Z1"X11.5	14.5	24	41	51	
16-20	U1.7/16"X12	Z1.1/4"X11.5	14.5	25	46	53	
20-16	U1.11/16"X12	Z1"X11.5	15.5	24	46	53	
20-20	U1.11/16"X12	Z1.1/4"X11.5	15.5	25	46	54	
20-24	U1.11/16"X12	Z1.1/2"X11.5	15.5	25	50	57	

**MSP - MO**



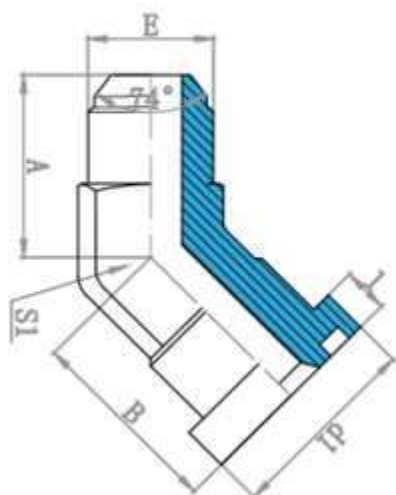
CÓDIGO	ROSCA		DIMENSÃO			
	E	F	A	B	S1	L
04-04	U9/16"X18	U7/16"X2	12	10	17	28
04-05	U9/16"X18	U1/2"X20	12	10	17	28
04-06	U9/16"X18	U9/16"X18	12	12	17	30
04-08	U9/16"X18	U3/4"X16	12	12	22	32
06-04	U11/16"X16	U7/16"X20	14	10	19	30
06-05	U11/16"X16	U1/2"X20	14	10	19	30
06-06	U11/16"X16	U9/16"X18	14	12	19	32
06-08	U11/16"X16	U3/4"X16	14	12	22	34
06-10	U11/16"X16	U7/8"X14	14	13.5	27	37
08-06	U13/16"X16	U9/16"X18	15	12	22	35
08-08	U13/16"X16	U3/4"X16	15	12	22	35
08-10	U13/16"X16	U7/8"X14	15	13.5	27	38
08-12	U13/16"X16	U1.1/16"X12	15	16	32	40
10-10	U1"X14	U7/8"X14	16.5	13.5	27	39
10-08	U1"X14	U3/4"X16	16.5	12	27	38
10-12	U1"X14	U1.1/16"X12	16.5	16	32	42
12-10	U1.3/16"X12	U7/8"X14	17	13.5	32	41
12-12	U1.3/16"X12	U1.1/16"X12	17	16	32	42
12-16	U1.3/16"X12	U1.5/16"X12	17	17	41	46
16-12	U1.7/16"X12	U1.1/16"X12	18.5	16	41	46
16-16	U1.7/16"X12	U1.5/16"X12	18.5	17	41	47
16-20	U1.7/16"X12	U1.5/8"X12	18.5	18	50	53
20-16	U1.11/16"X12	U1.5/16"X12	19.5	17	46	50
20-20	U1.11/16"X12	U1.5/8"X12	19.5	18	50	54

**MJ - FL 61**



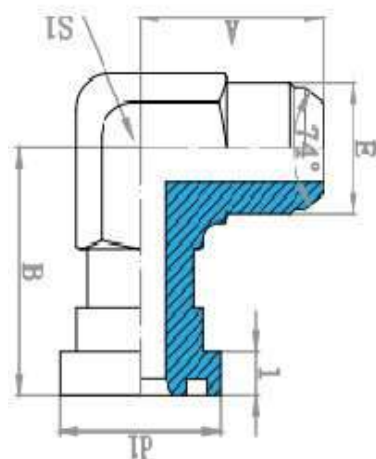
CÓDIGO	ROSCA		DIMENSÃO		
	E	FLANGE	1	d1	A
08-08	U3/4"X16	1/2"	7	30.2	16.7
08-12	U3/4"X16	3/4"	7	38.1	16.7
10-08	U7/8"X14	1/2"	7	30.2	19.5
10-12	U7/8"X14	3/4"	7	38.1	19.5
12-08	U1.1/16"X12	1/2"	7	30.2	22
12-12	U1.1/16"X12	3/4"	7	38.1	22
12-16	U1.1/16"X12	1"	8.2	44.4	22
16-12	U1.5/16"X12	3/4"	7	38.1	23
16-16	U1.5/16"X12	1"	8.2	44.4	23
16-20	U1.5/16"X12	1.1/4"	8.2	50.8	23
20-16	U1.5/8"X12	1"	8.2	44.4	24.5
20-20	U1.5/8"X12	1.1/4"	8.2	50.8	24.5
20-24	U1.5/8"X12	1.1/2"	8.2	60.3	24.5
24-20	U1.7/8"X12	1.1/4"	8.2	50.8	27.5
24-24	U1.7/8"X12	1.1/2"	8.2	60.3	27.5
24-32	U1.7/8"X12	2"	9.8	71.4	27.5
32-32	U2.1/2"X12	2"	9.8	71.4	34

### 45° MJ - FL 61



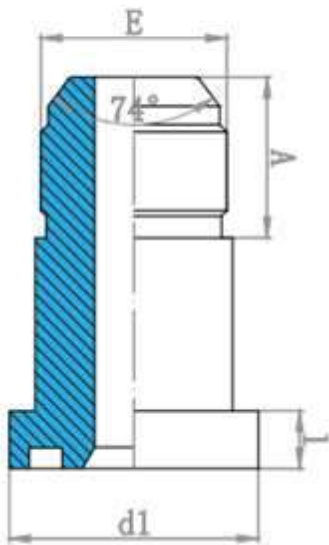
CÓDIGO	ROSCA	FLANGE	DIMENSÃO				
	E		1	d1	A	B	S1
08-08	U3/4"X16	1/2"	7	30.2	25	37	19
10-08	U7/8"X14	1/2"	7	30.2	27	37	22
10-12	U7/8"X14	3/4"	7	38.1	33	40.1	27
12-12	U1.1/16"X12	3/4"	7	38.1	33	40.1	27
12-16	U1.1/16"X12	1"	8.2	44.4	37	47	33
16-16	U1.5/16"X12	1"	8.2	44.4	37	47	33
16-12	U1.5/16"X12	3/4"	7	38.1	37	42	33
16-20	U1.5/16"X12	1.1/4"	8.2	50.8	40	51.8	44
20-20	U1.5/8"X12	1.1/4"	8.2	50.8	40	51.8	44
20-16	U1.5/8"X12	1"	8.2	44.4	40	51	44
20-24	U1.5/8"X12	1.1/2"	8.2	60.3	47	60.5	53
24-20	U1.7/8"X12	1.1/4"	8.2	50.8	47	54	53
24-24	U1.7/8"X12	1.1/2"	8.2	60.3	47	60.5	53
32-32	U2.1/2"X12	2"	9.8	71.4	55	76.2	65

### 90° MJ - FL 61



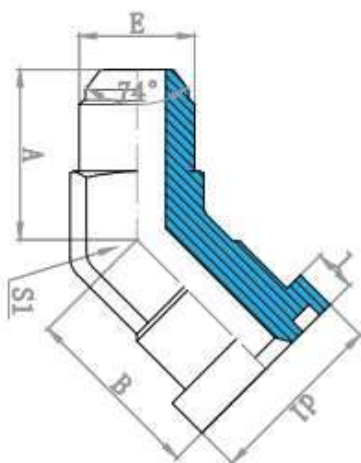
CÓDIGO	ROSCA	FLANGE	DIMENSÃO				
	E		1	d1	A	B	S1
08-08	U3/4"X16	1/2"	7	30.2	33	44	19
10-08	U7/8"X14	1/2"	7	30.2	37	44	22
10-12	U7/8"X14	3/4"	7	38.1	43	54.1	27
12-12	U1.1/16"X12	3/4"	7	38.1	40	40.1	27
12-16	U1.1/16"X12	1"	8.2	44.4	49	60.2	33
16-16	U1.5/16"X12	1"	8.2	44.4	49	60.2	33
16-12	U1.5/16"X12	3/4"	7	38.1	49	58	33
16-20	U1.5/16"X12	1.1/4"	8.2	50.8	57	66.5	44
20-20	U1.5/8"X12	1.1/4"	8.2	50.8	57	66.5	44
20-16	U1.5/8"X12	1"	8.2	44.4	57	65	44
20-24	U1.5/8"X12	1.1/2"	8.2	60.3	57	79.3	48
24-20	U1.7/8"X12	1.1/4"	8.2	50.8	57	75.5	48
24-24	U1.7/8"X12	1.1/2"	8.2	60.3	57	79.3	48
32-32	U2.1/2"X12	2"	9.8	71.4	66	108	65

**MJ - FL 62**



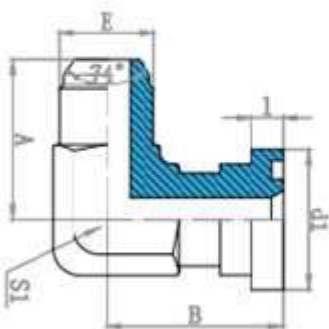
CÓDIGO	ROSCA	FLANGE	DIMENSÃO		
	E		1	d1	A
08-08	U3/4"X16	1/2"	7.9	31.7	16.7
10-08	U7/8"X14	1/2"	7.9	31.7	19.5
10-12	U7/8"X14	3/4"	8.9	41.3	22
12-12	U1.1/16"X12	3/4"	8.9	41.3	22
12-16	U1.1/16"X12	1"	8.9	41.3	22
16-16	U1.5/16"X12	1"	9.6	47.6	23
16-12	U1.5/16"X12	3/4"	9.6	47.6	23
16-20	U1.5/16"X12	1.1/4"	9.6	47.6	23
20-20	U1.5/8"X12	1.1/4"	10.4	54	24.5
20-16	U1.5/8"X12	1"	10.4	54	24.5
20-24	U1.5/8"X12	1.1/2"	10.4	54	24.5
24-20	U1.7/8"X12	1.1/4"	12.7	63.5	27.5
24-24	U1.7/8"X12	1.1/2"	12.7	63.5	27.5

**45° MJ - FL 62**



CÓDIGO	ROSCA	FLANGE	DIMENSÃO				
	E		1	1d	A	B	S1
08-08	U3/4"X16	1/2"	7.9	31.7	25	38	19
10-08	U7/8"X14	1/2"	7.9	31.7	27	39	22
10-12	U7/8"X14	3/4"	8.9	41.3	27	40.1	22
12-12	U1.1/16"X12	3/4"	8.9	41.3	33	40.1	27
12-16	U1.1/16"X12	1"	8.9	41.3	37	47	33
16-16	U1.5/16"X12	1"	9.6	47.6	37	47	33
16-12	U1.5/16"X12	3/4"	9.6	47.6	37	45	33
16-20	U1.5/16"X12	1.1/4"	9.6	47.6	40	52	44
20-20	U1.5/8"X12	1.1/4"	10.4	54	40	52	44
20-16	U1.5/8"X12	1"	10.4	54	40	52	44
20-24	U1.5/8"X12	1.1/2"	10.4	54	40	60.5	44
24-24	U1.7/8"X12	1.1/2"	12.7	63.5	47	27.5	53

**90° MJ - FL 62**



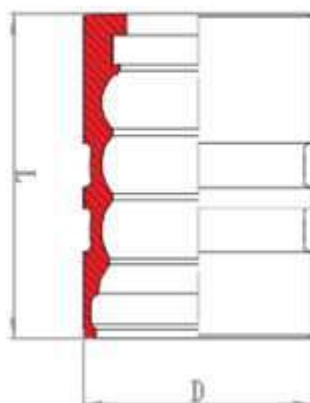
CÓDIGO	ROSCA	FLANGE	DIMENSÃO				
	E		1	d1	A	B	S1
08-08	U3/4"X16	1/2"	7.9	31.7	33	44	19
10-08	U7/8"X14	1/2"	7.9	31.7	37	46	22
10-12	U7/8"X14	3/4"	8.9	41.3	37	54.1	22
12-12	U1.1/16"X12	3/4"	8.9	41.3	40	54.1	27
12-16	U1.1/16"X12	1"	8.9	41.3	49	60.2	33
16-16	U1.5/16"X12	1"	9.6	47.6	49	60.2	33
16-12	U1.5/16"X12	3/4"	9.6	47.6	49	57	33
16-22	U1.5/16"X12	1.1/4"	9.6	47.6	57	66.5	44
20-20	U1.5/8"X12	1.1/4"	10.4	54	57	66.5	44
20-16	U1.5/8"X12	1"	10.4	54	57	65	44
20-24	U1.5/8"X12	1.1/2"	10.4	54	57	79.3	44
24-24	U1.7/8"X12	1.1/2"	12.7	63.5	57	79.3	48



# TERMINAIS INTERLOCK

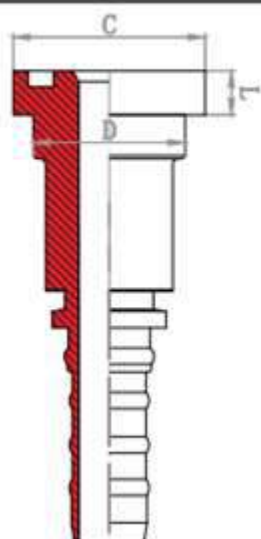


**CP - INT**



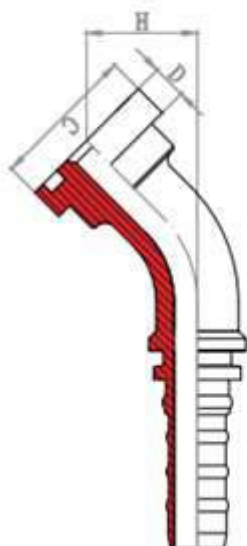
CÓDIGO	MANGUEIRA		DIMENSÃO	
	DN	TRAÇO	D	L
08	12	08	33	46
12	20	12	40	55
16	25	16	49	64
20	32	20	61	70
24	40	24	70	82.5
32	50	32	85	83

**FL - INT 62**



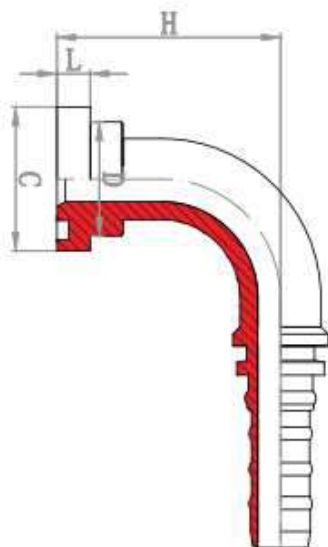
CÓDIGO	FLANGE	MANGUEIRA		DIMENSÃO		
		DN	TRAÇO	C	D	L
08-08	1/2"	12	08	31.8	23.9	7.9
12-12	3/4"	20	12	41.3	31.7	8.9
16-16	1"	25	16	47.6	38	9.6
20-20	1.1/4"	32	20	54	43.6	10.4
24-24	1.1/2"	40	24	63.5	50.8	12.7
32-32	2"	50	32	79.4	66.5	12.7

**FL 45° INT - 62**



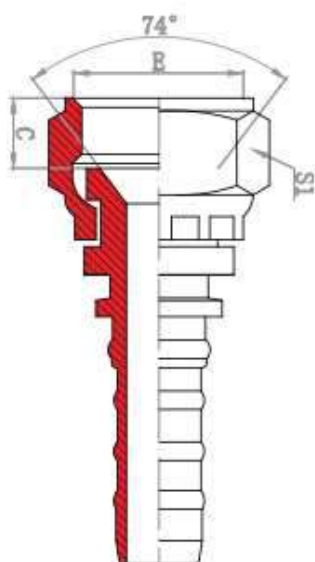
CÓDIGO	FLANGE	MANGUEIRA		DIMENSÃO			
		DN	TRAÇO	C	D	L	H
08-08	1/2"	12	08	31.8	23.9	7.9	24.7
12-12	3/4"	20	12	41.3	31.7	8.9	31.8
16-16	1"	25	16	47.6	38	9.6	34
20-20	1.1/4"	32	20	54	43.6	10.4	39.4
24-24	1.1/2"	40	24	63.5	50.8	12.7	45.5
32-32	2"	50	32	79.4	66.5	12.7	52.7

**FL 90° INT - 62**



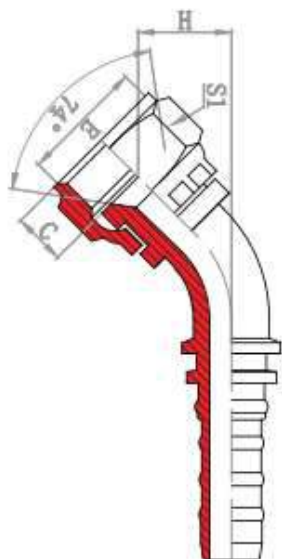
CÓDIGO	FLANGE	MANGUEIRA			DIMENSÃO			
		DN	TRAÇO	C	D	L	H	
08-08	1/2"	12	08	31.8	23.9	7.9	49	
12-12	3/4"	20	12	41.3	31.7	8.9	63.9	
16-16	1"	25	16	47.6	38	9.6	76	
20-20	1.1/4"	32	20	54	43.6	10.4	87.9	
24-24	1.1/2"	40	24	63.5	50.8	12.7	103	
32-32	2"	50	32	79.4	66.5	12.7	124	

**FJ - INT**



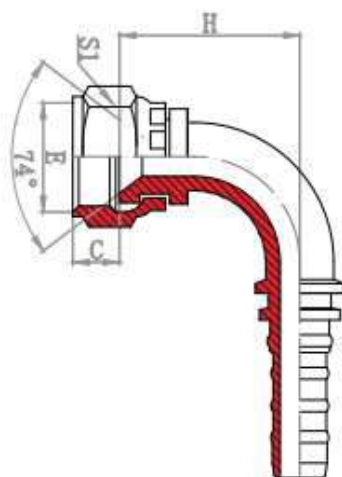
CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO	
		DN	TRAÇO	C	S1
08-08	3/4"X16	12	08	11	24
12-12	1.1/16"X12	20	12	13.5	32
16-16	1.5/16"X12	25	16	14.5	41
20-20	1.5/8"X12	32	20	15.5	50
24-24	1.7/8"X12	40	24	18.5	55
32-32	2.1/2"X12	50	32	24.5	75

**FJ 45° - INT**



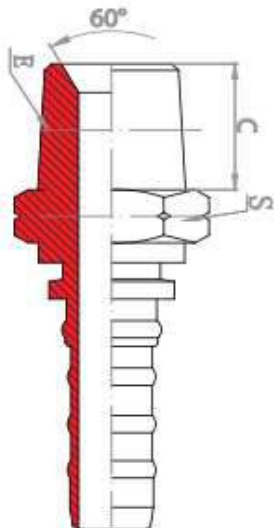
CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO		
		DN	TRAÇO	C	S1	H
TIFJ45-08-08	3/4"X16	12	08	11	24	13.5
TIFJ45-12-12	1.1/16"X12	20	12	13.5	32	30
TIFJ45-16-16	1.5/16"X12	25	16	14.5	41	31.5
TIFJ45-20-20	1.5/8"X12	32	20	15.5	50	36.6
TIFJ45-24-24	1.7/8"X12	40	24	18.5	55	41.6
TIFJ45-32-32	2.1/2"X12	50	32	24.5	75	66

**FJ 90° - INT**



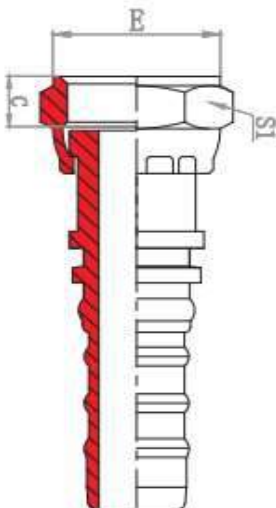
CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO		
		DN	TRAÇO	C	S1	H
08-08	3/4"X16	12	08	11	24	44
12-12	1.1/16"X12	20	12	13.5	32	57.5
16-16	1.5/16"X12	25	16	14.5	41	71.5
20-20	1.5/8"X12	32	20	15.5	50	82
24-24	1.7/8"X12	40	24	18.5	55	93
32-32	2.1/2"X12	50	32	24.5	75	115.5

**MN - INT**



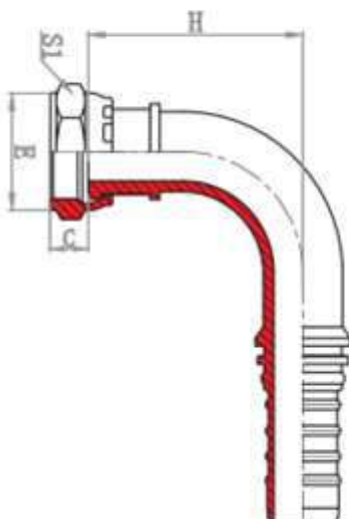
CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO	
		DN	TRAÇO	C	S
08-08	Z½"X14	12	08	19	22
12-10	Z¾"X14	16	10	19.5	30
12-12	Z¾"X14	20	12	19.5	30
16-16	Z1"X11.5	25	16	24	36
20-20	Z1¼"X11.5	32	20	25	46
24-24	Z1½"X11.5	40	24	25	50
32-32	Z2"X11.5	50	32	28	65

**FSP - INT**



CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO	
		DN	TRAÇO	C	S1
TIFSP-04-04	9/16"X18	6	04	11	19
TIFSP-06-06	11/16"X16	6	06	10	22
TIFSP-10-10	1"X14	16	10	13.5	30
TIFSP-12-12	1.3/16"X12	20	12	15	36
TIFSP-16-16	1.11/16"X12	25	16	15	41
TIFSP-24-24	2"X12	40	24	19	60

**FSP 90° - INT**



CÓDIGO	ROSCA	MANGUEIRA		DIMENSÃO		
		DN	TRAÇO	C	S1	H
04-04	9/16"X18	6	04	11	19	32.5
06-06	11/16"X16	10	06	10	22	40
10-08	1"X14	13	08	13.5	30	46
12-08	1.3/16"X12	13	08	13	36	48
12-10	1.3/16"X12	16	10	13	36	50
10-10	1"X14	16	10	13.5	30	45
12-12	1.3/16"X12	20	12	13	36	53.5
16-12	1.7/16"X12	20	12	14	41	60.5
16-16	1.7/16"X12	25	16	14	41	70
24-24	2"X12	40	24	19	60	85.5



# TERMINAIS PRENSÁVEIS CRIMP

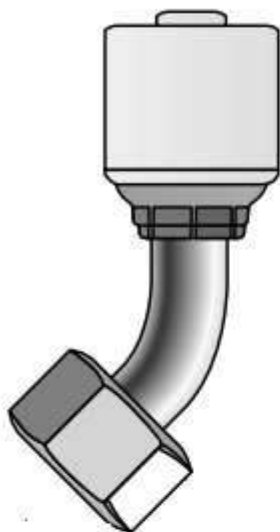


## CRIMP - FA



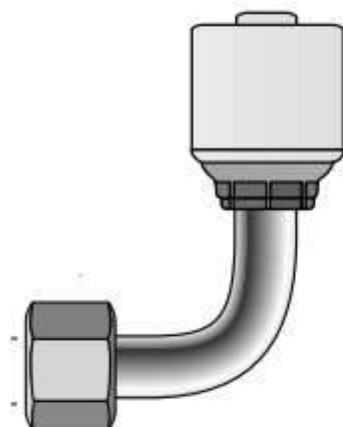
CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-08-16	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20,12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M20X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M24X1,5	18	5/8
28-19-10	M26X1,5	19	5/8
30-20-10(1,5)	M28X1,5	20	5/8
30-20-10(2,0)	M30X1,5	20	5/8
30-22-10(1,5)	M30X2,0	22	5/8
30-22-10(2,0)	M30X1,5	22	5/8
30-20-12(1,5)	M30X2,0	20	3/4
30-20-12(2,0)	M30X1,5	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-16(1,5)	M34X1,5	25	1"
34-25-16(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1/1.4
48-38-20(2,0)	M48X2,0	38	1/1.4
52-42-24(2,0)	M52X2,0	42	1/1.2
52-42-32(2,0)	M52X2,0	42	2"

**CRIMP - FA 45°**



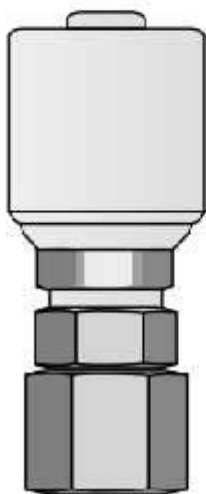
CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-08-16	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20,12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M20X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M24X1,5	18	5/8
28-19-10	M26X1,5	19	5/8
30-20-10(1,5)	M28X1,5	20	5/8
30-20-10(2,0)	M30X1,5	20	5/8
30-22-10(1,5)	M30X2,0	22	5/8
30-22-10(2,0)	M30X1,5	22	5/8
30-20-12(1,5)	M30X2,0	20	3/4
30-20-12(2,0)	M30X1,5	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-16(1,5)	M34X1,5	25	1"
34-25-16(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1/1.4
48-38-20(2,0)	M48X2,0	38	1/1.4
52-42-24(2,0)	M52X2,0	42	1/1.2
52-42-32(2,0)	M52X2,0	42	2"

**CRIMP - FA 90°**



CÓDIGO	ROSCA	TUBO	MANGUEIRA
12-06-04	M12X1,5	06	1/4
14-08-04	M14X1,5	08	1/4
14-10-04	M14X1,5	10	1/4
16-10-04	M16X1,5	10	1/4
12-06-06	M12X1,5	06	3/8
14-08-16	M14X1,5	08	3/8
16-10-06	M16X1,5	10	3/8
18-12-06	M18X1,5	12	3/8
18-12,7-06	M18X1,5	12,7	3/8
20-12-06	M20X1,5	12	3/8
20-12,7-06	M20X1,5	12,7	3/8
22-15-06	M22X1,5	15	3/8
18-12-08	M18X1,5	12	1/2
20-12-08	M20X1,5	12	1/2
20,12,7-08	M20X1,5	12,7	1/2
22-12-08	M22X1,5	12	1/2
22-14-08	M22X1,5	14	1/2
22-15-08	M22X1,5	15	1/2
24-16-08	M20X1,5	16	1/2
24-16-10	M24X1,5	16	5/8
26-18-10	M24X1,5	18	5/8
28-19-10	M26X1,5	19	5/8
30-20-10(1,5)	M28X1,5	20	5/8
30-20-10(2,0)	M30X1,5	20	5/8
30-22-10(1,5)	M30X2,0	22	5/8
30-22-10(2,0)	M30X1,5	22	5/8
30-20-12(1,5)	M30X2,0	20	3/4
30-20-12(2,0)	M30X1,5	20	3/4
30-22-12(1,5)	M30X1,5	22	3/4
34-25-12(1,5)	M34X1,5	25	3/4
34-25-12(2,0)	M34X2,0	25	3/4
36-25-12(1,5)	M36X1,5	25	3/4
36-25-12(2,0)	M36X2,0	25	3/4
34-25-16(1,5)	M34X1,5	25	1"
34-25-16(2,0)	M34X2,0	25	1"
36-25-16(1,5)	M36X1,5	25	1"
36-25-16(2,0)	M36X2,0	25	1"
38-28-16(2,0)	M38X2,0	28	1"
42-30-16(2,0)	M42X2,0	30	1"
42-32-16(2,0)	M42X2,0	32	1"
45-35-20(2,0)	M45X2,0	35	1/1.4
48-38-20(2,0)	M48X2,0	38	1/1.4
52-42-24(2,0)	M52X2,0	42	1/1.2
52-42-32(2,0)	M52X2,0	42	2"

**CRIMP - FJ**



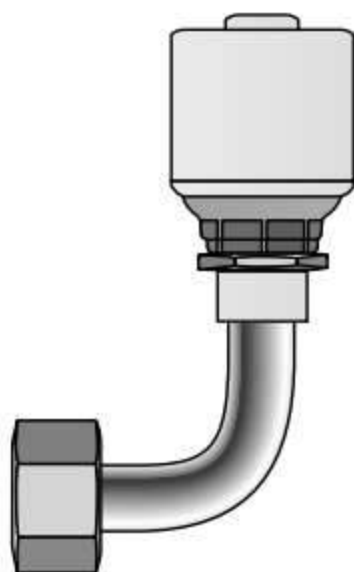
CÓDIGO	ROSCA	MANGUEIRA
04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

**CRIMP - FJ 45°**



CÓDIGO	ROSCA	MANGUEIRA
04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

**CRIMP - FJ 90°**



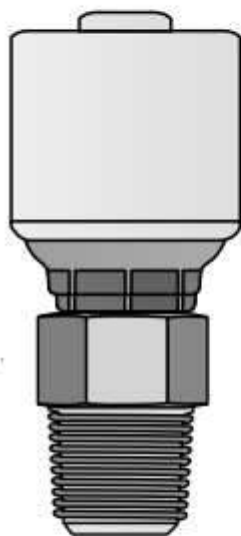
CÓDIGO

ROSCA

MANGUEIRA

04-04	7/16-20	1/4
05-04	1/2-20	1/4
06-04	9/16-18	1/4
04-06	7/16-20	3/8
05-06	1/2-20	3/8
06-06	9/16-18	3/8
07-06	5/8-18	3/8
08-06	3/4-16	3/8
10-06	7/8-14	3/8
06-08	9/16-18	1/2
08-08	3/4-16	1/2
10-08	7/8-14	1/2
12-08	1.1/16-12	1/2
08-10	3/4-16	5/8
10-10	7/8-14	5/8
12-10	1.1/16-12	5/8
16-10	1.5/16-12	5/8
10-12	7/8-14	3/4
12-12	1.1/16-12	3/4
14-12	1.3/16-12	3/4
16-12	1.5/16-12	3/4
12-16	1.1/16-12	1"
16-16	1.5/16-12	1"
20-16	1.5/8-12	1"
20-20	1.5/8-12	1.1/4
24-20	1.7/8-12	1.1/4
24-24	1.7/8-12	1.1/2
32-24	2.1/2-12	1.1/2
32-32	2.1/2-12	2"

**CRIMP - MN**



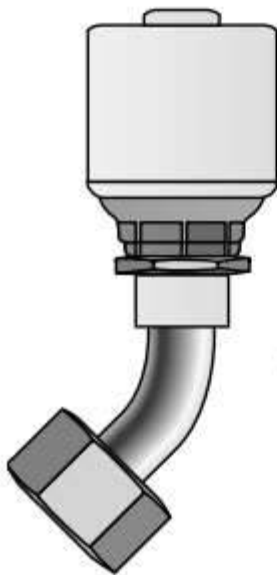
CÓDIGO	ROSCA	MANGUEIRA
02-04	1/8-27	1/4
04-04	1/4-18	1/4
06-04	3/8-18	1/4
04-06	1/4-18	3/8
06-06	3/8-18	3/8
08-06	1/2-14	3/8
06-08	3/8-18	1/2
08-08	1/2-14	1/2
12-08	3/4-14	1/2
08-10	1/2-14	5/8
12-10	3/4-14	5/8
16-10	1-11,5	5/8
08-12	1/2-14	3/4
12-12	3/4-14	3/4
16-12	1-11,5	3/4
12-16	3/4-14	1"
16-16	1-11,5	1"
20-16	1.1/4-11,5	1"
20-20	1.1/4-11,5	1.1/4
24-20	1.1/2-11,5	1.1/4
24-24	1.1/2-11,5	1.1/2
32-24	2-11,5	1.1/2
32-32	2-11,5	2"

## CRIMP - FSP



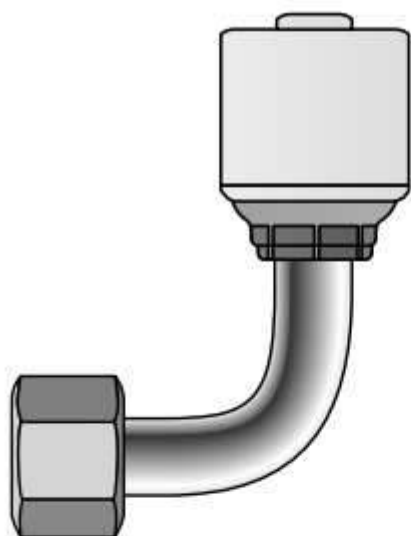
CÓDIGO	ROSCA	MANGUEIRA
04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

## CRIMP - FSP 45°



CÓDIGO	ROSCA	MANGUEIRA
04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

**CRIMP - FSP 90°**



CÓDIGO	ROSCA	MANGUEIRA
04-04	9/16-18	1/4
04-06	9/16-19	3/8
06-04	11/16-16	1/4
06-06	11/16-16	3/8
06-08	11/16-16	1/2
08-06	13/16-16	3/8
08-08	13/16-16	1/2
10-08	1-14	1/2
10-10	1-14	5/8
12-10	1.3/16-12	5/8
12-12	1.3/16-12	3/4
16-16	1.7/16-12	1"
20-16	1.11/16-12	1"
20-20	1.11/16-12	1.1/4
24-20	2-12	1.1/4
24-24	2-12	1.1/2

**CRIMP - FB**



CÓDIGO	ROSCA	MANGUEIRA
04-04	1/4-19	1/4
06-04	3/8-19	1/4
04-06	1/4-19	3/8
06-06	3/8-19	3/8
08-06	1/2-14	3/8
08-06	3/8-19	1/2
08-08	1/2-14	1/2
10-08	5/8-14	1/2
10-10a	5/8-14	5/8
12-10	3/4-14	5/8
10-12	5/8-14	3/4
12-12	3/4-14	3/4
16-12	1-11	3/4
12-16	3/4-14	1"
16-16	1-11	1"
20-20	1.1/4-11	1.1/4
24-24	1.1/2-11	1.1/2
32-32	2-11	2"