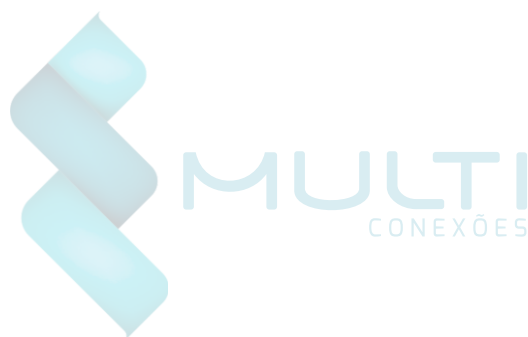


QUALIDADE



DISPONIBILIDADE

AGILIDADE

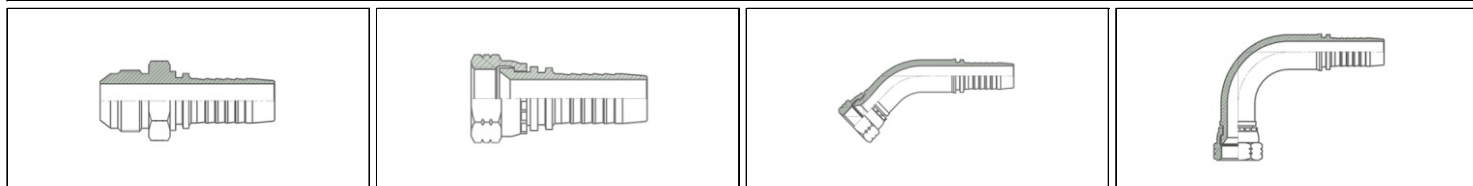
PREÇOS COMPETITIVOS

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		Páginas
Regras utilizadas para composição dos nossos códigos		3
Terminais Prensáveis	Descrição	
UNF JIC e Cone de Vedação 45°	Cone de Vedação 37° e Cone de Vedação 45°	4
BSP - JIC	Rosca BSP, Cone de Vedação 37°	4
Métrica	Rosca Métrica com Cone de Vedação DKO	5
Banjo	Banjo Métrico (Olhal)	5
Métrica-Boleada	Rosca Métrica com Cone de Vedação Boleado	5
ORFS	ORFS - Vedação O'Ring	6
Métrica-Ponta Lisa	Ponta Lisa para Montagem c/ Porca e Anilha	6
UNF Paralelo	Macho UNF Paralelo	6
SOS	Terminais Salva Vida para Solda	6
BSP Boleada	Rosca BSP com Cone de Vedação Boleada 60°	7
Emendas	Emendas para Mangueiras	7
NPTF	Macho Rosca NPTF (Cônica)	7
Komatsu	Macho Komatsu / Fêmea Métrica JIC / Komatsu	7
Flanges	Flanges 3.000 e 6.000 Libras	8
	Flanges 9.000 Libras Super Cat 14mm	8
Adaptadores	Descrição	
NPT x JIC, O'Ring x JIC e BSP x JIC	Macho NPT x Macho JIC, Macho O'Ring x Macho JIC e Macho BSP x Macho JIC	9
Métrico x JIC	Macho Métrico x Macho JIC	9
ORFS x O'Ring	Macho ORFS x Macho O'Ring	9
JIC x Flange	Macho JIC x Flange 3.000 Libras	9
JIC x Solda	Macho JIC x Solda	9
Niple BSP, NPT, JIC	Niple duplo BSP, niple duplo NPT e Niple Duplo JIC	10
NPT x JIC	Macho NPT X Fêmea JIC	11
Bucha de Redução	Bucha de Redução NPT	11
NPT x JIC, O'Ring x JIC	Fêmea Fixa NPT x Macho JIC e Macho O'Ring x Fêmea JIC	11
UCA JIC e UCO ORFS	União Cumprida e Cotovelo em Aço JIC e União Cumprida em Aço ORFS	11
Luva	Luva NPT	11
Cotovelos	Macho O'Ring x Macho JIC, Macho NPT x Macho JIC e Macho JIC x Fêmea JIC	11, 14 e 15
	Macho JIC x Macho Flange 3.000 Libras e Macho NPT x Macho NPT	11
	Macho JIC 90°, Macho O-ring x Macho JIC 45°	11
	Macho NPT x Fêmea NPT e Fêmea NPT x Fêmea NPT	11
Tees	Macho JIC, Fêmea Central JIC, Fêmea Lateral JIC e Fêmea NPT	12
Bujões	Macho JIC, Macho NPT, Macho BSP Sextavado Interno e Macho BSP Sextavado Externo	12
	Macho ORFS, Fêmea JIC e Fêmea ORFS	12
	Macho NPT Sextavado Interno	13
Meio Flange	Flange Bipartido 3.000 e 6.000 PSI	16
Outras Linhas	Descrição	
Lavação	Fêmea Karcher, Pino Mini Karcher, Copinho Karcher e Porca Plástica Karcher	16
	Macho WAP 14 MM e Fêmea Mini WAP	16
Graxa	Fêmea Fixa Graxa	16
Terminais Interlock	Descrição	
JIC	JIC Interlock	17
DKO	DKO Interlock - Vedação O'Ring	18
ORFS	ORFS Interlock - Vedação O'Ring	18
Emenda	Emenda Interlock	18
Flanges	Flanges 3.000, 6.000 e 9.000 (Cat 14mm) Libras Interlock	18
Capas	Descrição	
Interlock	Capas Interlock p/ mangueiras R15 (6 Tramas)	19
Uma Trama	Capas no SKIVE (Sem descasque) p/ mangueiras 1 trama	19
Duas Tramas	Capas no SKIVE (Sem descasque) p/ mangueiras SAE 100 R1AT e R2AT.	19
Quatro Tramas	Capas SKIVE (Com descasque externo) p/ mangueiras SAE 100 R12, 4SP, 4SH (4 Tramas)	19
Termoplástico as	Capas NO SKIVE (Sem descasque) p/ mangueiras SAE 100 R7 e R8	20
Teflon	Capas NO SKIVE (Sem descasque) p/ mangueiras de Teflon	20
Uma e Duas Tramas Lona	Capas Trançado Textil p/ Mangueiras R3 e R6 de uma e duas tramas de lona	20
Mangueiras	Descrição	
Uma Trama Aço	Mangueiras SAE 100 com uma trama de aço R1AT	21
Duas Tramas Aço	Mangueiras SAE 100 com duas tramas de aço R2AT	21
Quatro Tramas Aço	Mangueiras SAE 100 com quatro tramas de aço 4SH, 4SP e R12	21
Seis Tramas Aço	Mangueiras com seis tramas de aço R15	21
Uma Trama Lona	Mangueiras com uma trama de lona R6	21
Uma Trama Aço Lisa	mangueiras com uma trama de aço lisa R17	21

Três Primeiras Posições do Código	Outras Letras do Código (Quarta, Quinta, Sexta) Posições	
100 Terminais Prensáveis 100 Reto 130 30° 145 45° 160 60° 190 90°	Terminais Prensáveis MJ Macho JIC 37° FJ Fêmea JIC 37° FS Fêmea UNF JIC 45° FBJ Fêmea BSP JIC MM Macho Métrico FD Fêmea DKO-DIN2353 Métrica BM Banjo Métrico (Olhal) FM Fêmea Métrica Boleada MO Macho ORFS FO Fêmea ORFS PL Ponta Lisa MP Macho UNF Paralelo FMP Fêmea Métrica Sede Plana SV Salva Vida FB Fêmea BSP Boleada 60° FBC Fêmea BSP Boleada 60° Compacta MB Macho BSP Boleado 60° MN Macho NPT MG Macho Giratório NPT EM Emenda MK Macho Komatsu FK Fêmea Métrica JIC (Komatsu) F3 Flange 3000 PSI F6 Flange 6000 PSI F9 Flange 9000 PSI - Super Cat 14mm	
200 Adaptadores 200 Macho Reto 201 Macho x Fêmea e Bucha de Redução 210 Nipples 211 Luvas 212 Macho x Fêmea 220 Cotovelos Macho 221 Cotovelos Macho x Fêmea 230 Tees Macho 231 Tees com Fêmea (Central ou Lateral) 240 Bujão Macho 241 Bujão Fêmea 245 Cotovelos Macho 45° 246 Cotovelos Macho x Fêmea 45° 250 Flanges Bipartido	Adaptadores NJ NPT x JIC OJ O-Ring x JIC OO O-Ring x ORFS ON O-Ring x NPT BJ BSP x JIC MJ Métrico x JIC JF JIC x Flange JS JIC x Solda N NPT J JIC UCA União Cumprida em Aço JIC UCO União Cumprida em Aço ORFS FN Fêmea NPT B BSP BS Bujão BSP Sextavado Interno NS Bujão NPT Sextavado Interno O ORFS OS Bujão O-Ring Sextavado Interno F3 Meio Flange 3000 PSI F6 Meio Flange 6000 PSI	
300 Capas	Tees J Macho JIC JFC JIC Fêmea Central JFL JIC Fêmea Lateral N Fêmea NPT	
600 Interlock 600 Reto 645 45° 690 90°	Capas T1 Para Mangueiras de Uma Trama de Aço T2 Para Mangueiras de Uma e Duas Tramas de Aço T4 Para Mangueiras de Quatro Tramas de Aço T6 Para Mangueiras SAE 100 R15 Interlock TS Para Mangueiras 4SP e R12 TF Para Mangueiras Teflon R3 Para Mangueiras R3 R6 Para Mangueiras R6 R7 Para Mangueiras Termoplásticas R7	
900 Outras Linhas Karcher Pino Mini Karcher Copinho Karcher Macho WAP 14 MM Fêmea Mini WAP Fêmea Fixa Graxa	Outras Linhas FK Fêmea Karcher PK Pino Mini Karcher CK Copinho Karcher MW Macho WAP 14 MM FW Fêmea Mini WAP FG Fêmea Fixa Graxa	
	Mangueiras R1AT Mangueira SAE 100 com uma trama aço R2AT Mangueira SAE 100 com duas tramas de aço 4SH Mangueira SAE 100 com quatro tramas de aço R3 Mangueira SAE 100 com duas tramas de lona R6 Mangueira SAE 100 com uma trama de lona R12 Mangueira SAE 100 com quatro tramas de aço R15 Mangueira SAE 100 com seis tramas de aço. R17 Mangueira SAE 100 com uma trama de aço Lisa	

LINHA UNF JIC - Cone de Vedação 37°



Macho Fixo Reto JIC Código 100MJ	Fêmea Giratória Reta JIC Código 100FJ	Fêmea Giratória 45° JIC Código 145FJ	Fêmea Giratória 90° JIC Código 190FJ
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Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código
7/16"-20	1/4"	4	100MJ-04-04	7/16"-20	1/4"	4	100FJ-04-04	7/16"-20	1/4"	4	145FJ-04-04	7/16"-20	1/4"	4	190FJ-04-04
1/2"-20	1/4"	4	100MJ-05-04	7/16"-20	3/8"	6	100FJ-04-06	1/2"-20	1/4"	4	145FJ-05-04	7/16"-20	1/4"	4	190FJ-04-04-L
9/16"-18	1/4"	4	100MJ-06-04	1/2"-20	1/4"	4	100FJ-05-04	9/16"-18	1/4"	4	145FJ-06-04	1/2"-20	1/4"	4	190FJ-05-04
9/16"-18	3/8"	6	100MJ-06-06	9/16"-18	1/4"	4	100FJ-06-04	9/16"-18	3/8"	6	145FJ-06-06	9/16"-18	1/4"	4	190FJ-06-04
9/16"-18	1/2"	8	100MJ-06-08	9/16"-18	5/16"	5	100FJ-06-05	3/4"-16	3/8"	6	145FJ-08-06	9/16"-18	1/4"	4	190FJ-06-04-L
3/4"-16	3/8"	6	100MJ-08-06	9/16"-18	3/8"	6	100FJ-06-06	3/4"-16	1/2"	8	145FJ-08-08	9/16"-18	3/8"	6	190FJ-06-06
3/4"-16	1/2"	8	100MJ-08-08	9/16"-18	1/2"	8	100FJ-06-08	7/8"-14	1/2"	8	145FJ-10-08	9/16"-18	3/8"	6	190FJ-06-06-L
7/8"-14	3/8"	6	100MJ-10-06	3/4"-16	1/4"	4	100FJ-08-04	7/8"-14	5/8"	10	145FJ-10-10	9/16"-18	1/2"	8	190FJ-06-08
7/8"-14	1/2"	8	100MJ-10-08	3/4"-16	3/8"	6	100FJ-08-06	1.1/16"-12	5/8"	10	145FJ-12-10	3/4"-16	3/8"	6	190FJ-08-06
7/8"-14	5/8"	10	100MJ-10-10	3/4"-16	1/2"	8	100FJ-08-08	1.1/16"-12	3/4"	12	145FJ-12-12	3/4"-16	3/8"	6	190FJ-08-06-L
1.1/16"-12	1/2"	8	100MJ-12-08	3/4"-16	5/8"	10	100FJ-08-10	1.5/16"-12	3/4"	12	145FJ-16-12	3/4"-16	1/2"	8	190FJ-08-08
1.1/16"-12	5/8"	10	100MJ-12-10	7/8"-14	3/8"	6	100FJ-10-06	1.5/16"-12	1"	16	145FJ-16-16	3/4"-16	1/2"	8	190FJ-08-08-L
1.1/16"-12	3/4"	12	100MJ-12-12	7/8"-14	1/2"	8	100FJ-10-08	1.5/8"-12	1.1/4"	20	145FJ-20-20	3/4"-16	5/8"	10	190FJ-08-10
1.5/16"-12	3/4"	12	100MJ-16-12	7/8"-14	5/8"	10	100FJ-10-10	1.7/8"-12	1.1/2"	24	145FJ-24-24	7/8"-14	3/8"	6	190FJ-10-06
1.5/16"-12	1"	16	100MJ-16-16	7/8"-14	3/4"	12	100FJ-10-12					7/8"-14	1/2"	8	190FJ-10-08
1.5/8"-12	1"	16	100MJ-20-16	1.1/16"-12	1/2"	8	100FJ-12-08					7/8"-14	1/2"	8	190FJ-10-08-L
1.5/8"-12	1.1/4"	20	100MJ-20-20	1.1/16"-12	5/8"	10	100FJ-12-10					7/8"-14	5/8"	10	190FJ-10-10
1.7/8"-12	1.1/2"	24	100MJ-24-24	1.1/16"-12	3/4"	12	100FJ-12-12					7/8"-14	3/4"	12	190FJ-10-12
2.1/2"-12	2"	32	100MJ-32-32	1.1/16"-12	1"	16	100FJ-12-16					1.1/16"-12	1/2"	8	190FJ-12-08
				1.5/16"-12	3/4"	12	100FJ-16-12					1.1/16"-12	5/8"	10	190FJ-12-10
				1.5/16"-12	1"	16	100FJ-16-16					1.1/16"-12	5/8"	10	190FJ-12-10-L
				1.5/8"-12	1"	16	100FJ-20-16					1.1/16"-12	3/4"	12	190FJ-12-12
				1.5/8"-12	1.1/4"	20	100FJ-20-20					1.1/16"-12	3/4"	12	190FJ-12-12-L
				1.7/8"-12	1.1/4"	20	100FJ-24-20					1.1/16"-12	1"	16	190FJ-12-16
				1.7/8"-12	1.1/2"	24	100FJ-24-24					1.5/16"-12	3/4"	12	190FJ-16-12
				2.1/2"-12	2"	32	100FJ-32-32					1.5/16"-12	1"	16	190FJ-16-16
												1.5/16"-12	1"	16	190FJ-16-16-L
												1.5/8"-12	1"	16	190FJ-20-16
												1.5/8"-12	1.1/4"	20	190FJ-20-20
												1.7/8"-12	1.1/2"	24	190FJ-24-24
												2.1/2"-12	2"	32	190FJ-32-32

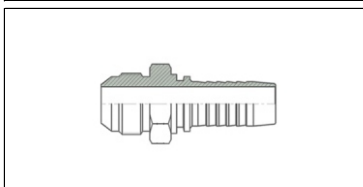
LINHA UNF JIC - Cone de Vedação 45° **LINHA BSP JIC**



Fêmea Giratória Reta UNF JIC 45° Código 100FS	Fêmea Giratória 90° UNF JIC 45° Código 190FS	Fêmea Giratória Reta BSP JIC Código 100FBJ	Fêmea Giratória 90° BSP JIC Código 190FBJ
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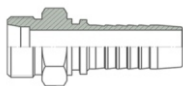
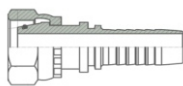
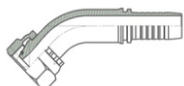

Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código
5/8"-6	3/8"	6	100FS-06-06	5/8"-6	3/8"	6	190FS-06-06	1/4"-19	1/4"	4	100FBJ-04-04	1/4"-19	1/4"	4	190FBJ-04-04
								3/8"-19	1/4"	4	100FBJ-06-04	3/8"-19	3/8"	6	190FBJ-06-06
								3/8"-19	3/8"	6	100FBJ-06-06	1/2"-14	3/8"	6	190FBJ-08-06
								1/2"-14	3/8"	6	100FBJ-08-06	1/2"-14	1/2"	8	190FBJ-08-08
								1/2"-14	1/2"	8	100FBJ-08-08	3/4"-14	3/4"	12	190FBJ-12-12
								3/4"-14	3/4"	12	100FBJ-12-12	1"-11	1"	16	190FBJ-16-16
								1"-11	1"	16	100FBJ-16-16				

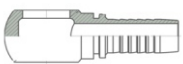
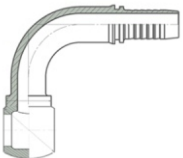
LINHA UNF JIC - Cone de Vedação 45°


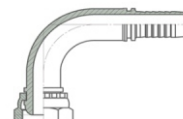


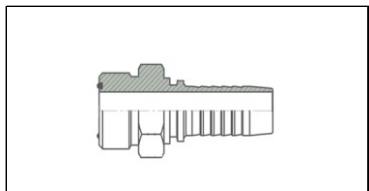
Macho Fixo Reto UNF JIC 45°
Código 100MS

Rosca	Pol.	Bitola	Código
5/8" - 6	3/8"	6	100MS-06-06

LINHA Métrica															
															
Macho Fixo Reto Rosca Métrica, Vedação Cone 24° Código 100MM				Fêmea Reta DKO-DIN2353 - Métrica Código 100FD				Fêmea 45° DKO-DIN2353 - Métrica Código 145FD				Fêmea 90° DKO-DIN2353 - Métrica Código 190FD			
Rosca	Pol.	Bitola	Código	Rosca	Bitola	Tubo	Código	Rosca	Bitola	Tubo	Código	Rosca	Bitola	Tubo	Código
M12	1/4"	6	100MM-12-04-T06	M12	1/4"	6	100FD-12-04-T06	M12	1/4"	6	145FD-12-04-T06	M12	1/4"	6	190FD-12-04-T06
M14	1/4"	6	100MM-14-04-T06	M14	1/4"	6	100FD-14-04-T06	M14	1/4"	8	145FD-14-04-T08	M14	1/4"	4	190FD-14-04-T06
M14	1/4"	8	100MM-14-04-T08	M14	1/4"	8	100FD-14-04-T08	M16	1/4"	8	145FD-16-04-T08	M14	1/4"	8	190FD-14-04-T08
M16	1/4"	10	100MM-16-04-T10	M16	1/4"	8	100FD-16-04-T08	M16	1/4"	10	145FD-16-04-T10	M16	1/4"	8	190FD-16-04-T08
M16	3/8"	10	100MM-16-06-T10	M16	1/4"	10	100FD-16-04-T10	M16	3/8"	10	145FD-16-06-T10	M16	1/4"	10	190FD-16-04-T10
M18	3/8"	12	100MM-18-06-T12	M16	3/8"	8	100FD-16-06-T08	M18	3/8"	12	145FD-18-06-T12	M16	3/8"	8	190FD-16-06-T08
M18	1/2"	12	100MM-18-08-T12	M16	3/8"	10	100FD-16-06-T10	M20	3/8"	12	145FD-20-06-T12	M16	3/8"	10	190FD-16-06-T10
M20	3/8"	12	100MM-20-06-T12	M18	1/4"	12	100FD-18-04-T12	M20	1/2"	12	145FD-20-08-T12	M18	3/8"	12	190FD-18-06-T12
M20	1/2"	12	100MM-20-08-T12	M18	3/8"	12	100FD-18-06-T12	M22	3/8"	14	145FD-22-06-T14	M18	1/2"	12	190FD-18-08-T12
M22	3/8"	15	100MM-22-06-T15	M18	1/2"	12	100FD-18-08-T12	M22	1/2"	15	145FD-22-08-T15	M20	3/8"	12	190FD-20-06-T12
M22	1/2"	14	100MM-22-08-T14	M20	3/8"	12	100FD-20-06-T12	M24	1/2"	16	145FD-24-08-T16	M20	1/2"	12	190FD-20-08-T12
M22	1/2"	15	100MM-22-08-T15	M20	1/2"	12	100FD-20-08-T12	M26	5/8"	18	145FD-26-10-T18	M22	3/8"	6	190FD-22-06-T14
M24	3/8"	16	100MM-24-06-T16	M22	3/8"	14	100FD-22-06-T14	M28	5/8"	19	145FD-28-10-T19	M22	3/8"	6	190FD-22-06-T15
M24	1/2"	16	100MM-24-08-T16	M22	3/8"	15	100FD-22-06-T15	M30	5/8"	20	145FD-30-10-T20	M22	1/2"	14	190FD-22-08-T14
M24	5/8"	16	100MM-24-10-T16	M22	1/2"	14	100FD-22-08-T14	M30	3/4"	20	145FD-30-12-T20	M22	1/2"	15	190FD-22-08-T15
M26	1/2"	18	100MM-26-08-T18	M22	1/2"	14	100FD-22-08-T15	M30	3/4"	22	145FD-30-12-T22	M24	3/8"	16	190FD-24-06-T16
M26	5/8"	18	100MM-26-10-T18	M24	3/8"	16	100FD-24-06-T16	M36	3/4"	25	145FD-36-12-T25	M24	1/2"	16	190FD-24-08-T16
M28	5/8"	19	100MM-28-10-T19	M24	1/2"	16	100FD-24-08-T16	M36	3/4"	28	145FD-36-12-T28	M24	5/8"	16	190FD-24-10-T16
M30	5/8"	20	100MM-30-10-T20	M24	5/8"	16	100FD-24-10-T16	M36	1"	25	145FD-36-16-T25	M26	1/2"	18	190FD-26-08-T18
M30	3/4"	20	100MM-30-12-T20	M26	1/2"	18	100FD-26-08-T18	M36	1"	28	145FD-36-16-T28	M26	5/8"	18	190FD-26-10-T18
M30	3/4"	22	100MM-30-12-T22	M26	5/8"	18	100FD-26-10-T18	M42	1"	30	145FD-42-16-T30	M28	5/8"	19	190FD-28-10-T19
M34	3/4"	25	100MM-34-12-T25	M28	5/8"	19	100FD-28-10-T19	M42	1"	32	145FD-42-16-T32	M30	5/8"	20	190FD-30-10-T20
M34	1"	25	100MM-34-16-T25	M30	5/8"	20	100FD-30-10-T20	M42	1.1/4"	30	145FD-42-20-T30	M30	5/8"	22	190FD-30-10-T22
M36	3/4"	25	100MM-36-12-T25	M30	5/8"	21	100FD-30-10-T21	M45	1.1/4"	35	145FD-45-20-T35	M30	3/4"	20	190FD-30-12-T20
M36	1"	25	100MM-36-16-T25	M30	5/8"	22	100FD-30-10-T22	M48	1.1/4"	38	145FD-48-20-T38	M30	3/4"	22	190FD-30-12-T22
M36	1"	28	100MM-36-16-T28	M30	3/4"	20	100FD-30-12-T20	M52	1.1/4"	38	145FD-52-20-T38	M34	3/4"	25	190FD-34-12-T25
M42	1"	30	100MM-42-16-T30	M30	3/4"	22	100FD-30-12-T22	M52	1.1/4"	20	145FD-52-20-T42	M34	1"	25	190FD-34-16-T25
M42	1"	32	100MM-42-16-T32	M34	3/4"	25	100FD-34-12-T25	M52	1.1/2"	42	145FD-52-24-T42	M36	3/4"	25	190FD-36-12-T25
M48	1.1/4"	38	100MM-48-20-T38	M34	1"	25	100FD-34-16-T25					M36	3/4"	28	190FD-36-12-T28
M52	1.1/4"	42	100MM-52-20-T42	M36	3/4"	25	100FD-36-12-T25					M36	1"	25	190FD-36-16-T25
M52	1.1/2"	38	100FD-52-24-T38	M36	3/4"	28	100FD-36-12-T28					M36	1"	28	190FD-36-16-T28
M52	1.1/2"	42	100FD-52-24-T42	M36	1"	25	100FD-36-16-T25					M42	1"	30	190FD-42-16-T30
				M36	1"	28	100FD-36-16-T28					M42	1.1/4"	30	190FD-42-20-T30
				M42	1"	30	100FD-42-16-T30					M42	1"	32	190FD-42-16-T32
				M42	1"	32	100FD-42-16-T32					M45	1.1/4"	35	190FD-45-20-T35
				M42	1.1/4"	30	100FD-42-20-T30					M48	1.1/4"	38	190FD-48-20-T38
				M45	1.1/4"	35	100FD-45-20-T35					M52	1.1/4"	38	190FD-52-20-T38
				M48	1.1/4"	38	100FD-48-20-T38					M52	1.1/4"	20	190FD-52-20-T42
				M52	1.1/4"	38	100FD-52-20-T38					M52	1.1/2"	42	190FD-52-24-T42
				M52	1.1/4"	42	100FD-52-20-T42								
				M52	1.1/2"	38	100FD-52-24-T38								
				M52	1.1/2"	42	100FD-52-24-T42								

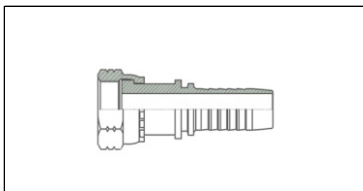
LINHA Banjo Métrico (Olhal)					
					
Banjo Métrico Reto Código 100BM		Banjo Métrico 90° Código 190BM			
Rosca	Bitola	Código			
M10	1/4"	100BM-10-04			
M12	1/4"	100BM-12-04	M14	1/4"	190BM-14-04
M12	3/8"	100BM-12-06	M16	3/8"	190BM-16-06
M14	1/4"	100BM-14-04			
M14	3/8"	100BM-14-06			
M16	1/4"	100BM-16-04			
M16	3/8"	100BM-16-06			
M18	3/8"	100BM-18-06			
M18	1/2"	100BM-18-08			

LINHA Métrica Boleada															
															
Fêmea Reta Giratória Boleada Código 100FM				Fêmea 90° Giratória Boleada Código 190FM											
Rosca	Bitola	Tubo	Código	Rosca	Bitola	Tubo	Código								
M12	1/4"	4	100FM-12-04	M12	1/4"	4	190FM-12-04								
M14	1/4"	4	100FM-14-04	M14	1/4"	4	190FM-14-04								
M16	1/4"	4	100FM-16-04	M16	1/4"	4	190FM-16-04								
M16	3/8"	6	100FM-16-06	M16	3/8"	6	190FM-16-06								
M18	3/8"	6	100FM-18-06	M18	3/8"	6	190FM-18-06								
M20	3/8"	6	100FM-20-06	M20	3/8"	6	190FM-20-06								
M22	3/8"	6	100FM-22-06	M22	1/2"	8	190FM-22-08								
M22	1/2"	8	100FM-22-08	M24	1/2"	8	190FM-24-08								
M24	1/2"	8	100FM-24-08												
M26	5/8"	10	100FM-26-10												



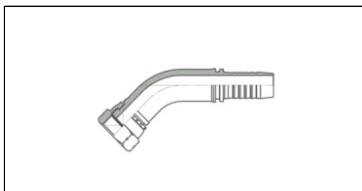
Macho Fixo Reto ORFS
Código 100MO

Rosca	Pol.	Bitola	Código
9/16"-18	1/4"	4	100MO-04-04
11/16"-16	3/8"	6	100MO-06-06
13/16"-16	3/8"	6	100MO-08-06
13/16"-16	1/2"	8	100MO-08-08
1"-14	1/2"	8	100MO-10-08
1"-14	5/8"	10	100MO-10-10
1.3/16"-12	5/8"	10	100MO-12-10
1.3/16"-12	3/4"	12	100MO-12-12
1.7/16"-12	3/4"	12	100MO-16-12
1.7/16"-12	1"	16	100MO-16-16



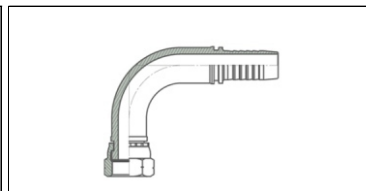
Fêmea Giratória Reta ORFS
Código 100FO

Rosca	Pol.	Bitola	Código
9/16"-18	1/4"	4	100FO-04-04
9/16"-18	3/8"	6	100FO-04-06
11/16"-16	1/4"	4	100FO-06-04
11/16"-16	3/8"	6	100FO-06-06
11/16"-16	1/2"	8	100FO-06-08
13/16"-16	3/8"	6	100FO-08-06
11/16"-16	1/2"	8	100FO-08-08
13/16"-16	5/8"	10	100FO-08-10
13/16"-16	1/2"	8	100FO-08-08
13/16"-16	5/8"	10	100FO-08-10
1"-14	1/2"	8	100FO-10-08
1"-14	5/8"	10	100FO-10-10
1"-14	3/4"	12	100FO-10-12
1.3/16"-12	1/2"	8	100FO-12-08
1.3/16"-12	5/8"	10	100FO-12-10
1.3/16"-12	3/4"	12	100FO-12-12
1.3/16"-12	1"	12	100FO-12-16
1.7/16"-12	3/4"	12	100FO-16-12
1.7/16"-12	1"	16	100FO-16-16
1.11/16"-12	1"	16	100FO-20-16
1.11/16"-12	1.1/4"	20	100FO-20-20
2"-12	1.1/2"	24	100FO-24-24



Fêmea Giratória 45° ORFS
Código 145FO

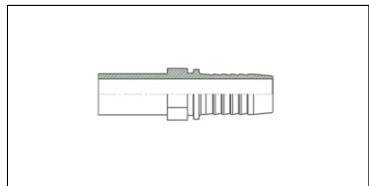
Rosca	Pol.	Bitola	Código
9/16"-18	1/4"	4	145FO-04-04
11/16"-16	1/4"	4	145FO-06-04
11/16"-16	3/8"	6	145FO-06-06
13/16"-16	3/8"	6	145FO-08-06
13/16"-16	1/2"	8	145FO-08-08
13/16"-16	5/8"	10	145FO-08-10
1"-14	1/2"	8	145FO-10-08
1"-14	5/8"	10	145FO-10-10
1.3/16"-12	5/8"	10	145FO-12-10
1.3/16"-12	3/4"	12	145FO-12-12
1.7/16"-12	3/4"	12	145FO-16-12
1.7/16"-12	1"	16	145FO-16-16
1.11/16"-12	1"	16	145FO-20-16
1.11/16"-12	1.1/4"	20	145FO-20-20
2"-12	1.1/2"	24	145FO-24-24



Fêmea Giratória 90° ORFS
Código 190FO

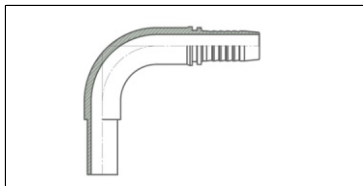
Rosca	Pol.	Bitola	Código
9/16"-18	1/4"	4	190FO-04-04
11/16"-16	1/4"	4	190FO-06-04
11/16"-16	3/8"	6	190FO-06-06
11/16"-16	3/8"	6	190FO-06-06-L
11/16"-16	1/2"	8	190FO-06-08
13/16"-16	3/8"	6	190FO-08-06
13/16"-16	1/2"	8	190FO-08-08
13/16"-16	1/2"	8	190FO-08-08-L
13/16"-16	5/8"	10	190FO-08-10
1"-14	1/2"	8	190FO-10-08
1"-14	5/8"	10	190FO-10-10
1"-14	5/8"	10	190FO-10-10-L
1"-14	3/4"	12	190FO-10-12
1.3/16"-12	1/2"	8	190FO-12-08
1.3/16"-12	5/8"	10	190FO-12-10
1.3/16"-12	3/4"	12	190FO-12-12
1.3/16"-12	3/4"	12	190FO-12-12-L
1.3/16"-12	1/2"	8	190FO-12-08
1.7/16"-12	3/4"	12	190FO-16-12
1.7/16"-12	1"	16	190FO-16-16
1.7/16"-12	1"	16	190FO-16-16-L
1.11/16"-12	1"	16	190FO-20-16
1.11/16"-12	1.1/4"	20	190FO-20-20
2"-12	1.1/2"	24	190FO-24-24

LINHA Métrica Ponta Lisa



Ponta Lisa Reta para montagem com Anilha e Porca.
Código 100PL

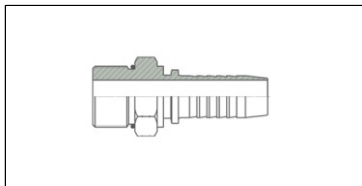
Pol.	Bitola	Tubo	Código
1/4"	4	6	100PL-06-04
1/4"	4	8	100PL-08-04
1/4"	4	10	100PL-10-04
3/8"	6	10	100PL-10-06
3/8"	6	12	100PL-12-06
1/2"	8	12	100PL-12-08
1/2"	8	14	100PL-14-08
1/2"	8	15	100PL-15-08
1/2"	8	16	100PL-16-08
3/4"	12	20	100PL-20-12
3/4"	12	22	100PL-22-12
3/4"	12	25	100PL-25-12
1"	16	30	100PL-30-16



Ponta Lisa 90° para montagem com Anilha e Porca.
Código 190PL

Pol.	Bitola	Tubo	Código
1/4"	4	6	190PL-06-04
1/4"	4	8	190PL-08-04
1/4"	4	10	190PL-10-04
3/8"	6	10	190PL-10-06
1/2"	8	12	190PL-12-08
1/2"	8	15	190PL-14-08
1/2"	8	15	190PL-15-08
3/4"	12	20	190PL-20-12
3/4"	12	22	190PL-22-12
1"	16	30	190PL-30-16

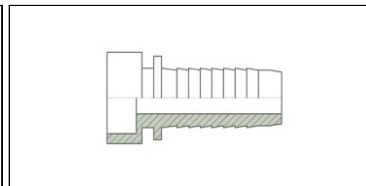
LINHA UNF Paralelo



Macho UNF Paralelo
Código 100MP

Rosca	Pol.	Bitola	Código
3/4"-16	1/2"	8	100MP-08-08
7/8"-14	1/2"	8	100MP-10-08
1.5/16"-12	1"	16	100MP-16-16

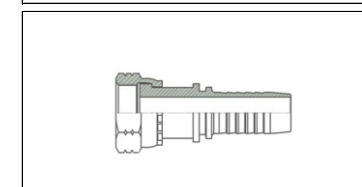
LINHA Salva Vida



SOS - Salva Vida
Código 100SV

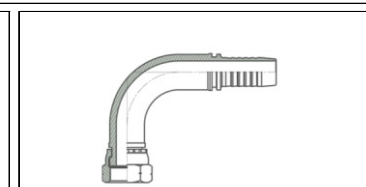
Pol.	Interno	Código
1/4"	8	100SV-08-04
3/8"	12	100SV-12-06
1/2"	16	100SV-16-08
5/8"	18	100SV-18-10
3/4"	22	100SV-22-12
1"	28	100SV-28-16
1.1/4"	35	100SV-35-20

LINHA Métrica ORFS



Fêmea Giratória Reta Métrica ORFS
Código 100FMP

Rosca	Bitola	Bitola	Código
M12	1/4"	4	100FMP-12-04
M14	1/4"	4	100FMP-14-04
M16	3/8"	6	100FMP-16-06
M18	3/8"	6	100FMP-18-06
M20	3/8"	6	100FMP-20-06



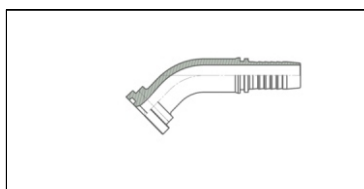
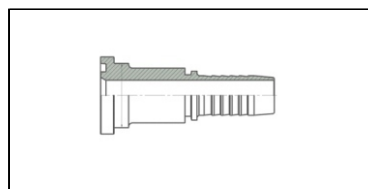
Fêmea Giratória 90° Métrica ORFS
Código 190FMP

Rosca	Bitola	Bitola	Código
M12	1/4"	4	190FMP-12-04
M14	1/4"	4	190FMP-14-04
M16	3/8"	6	190FMP-16-06
M18	3/8"	6	190FMP-18-06
M20	3/8"	6	190FMP-20-06

LINHA BSP Boleada 60°															
Fêmea Giratória Reta BSP - Vedação Boleada Código 100FB				Fêmea Giratória 45° BSP - Vedação Boleada Código 145FB				Fêmea Giratória 90° BSP - Vedação Boleada Código 190FB				Fêmea Giratória 90° BSP Boleada 60° Compacta Código 190FBC			
Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código
1/4" - 19	1/4"	4	100FB-04-04	1/4" - 19	1/4"	4	145FB-04-04	1/4" - 19	1/4"	4	190FB-04-04	1/4"-19	1/4"	4	190FBC-04-04
1/4" - 19	3/8"	6	100FB-04-06	3/8" - 19	3/8"	6	145FB-06-06	1/4" - 19	3/8"	6	190FB-04-06	3/8"-19	3/8"	6	190FBC-06-06
3/8" - 19	1/4"	4	100FB-06-04	1/2" - 14	1/2"	8	145FB-08-08	3/8" - 19	1/4"	4	190FB-06-04	1/2"-14	1/2"	8	190FBC-08-08
3/8" - 19	3/8"	6	100FB-06-06	5/8" - 14	1/2"	8	145FB-10-08	3/8" - 19	3/8"	6	190FB-06-06				
1/2" - 14	1/4"	4	100FB-08-04	5/8" - 14	5/8"	10	145FB-10-10	1/2" - 14	3/8"	6	190FB-08-06				
1/2" - 14	3/8"	6	100FB-08-06	3/4" - 14	5/8"	10	145FB-12-10	1/2" - 14	1/2"	8	190FB-08-08				
1/2" - 14	1/2"	8	100FB-08-08	3/4" - 14	3/4"	12	145FB-12-12	5/8" - 14	1/2"	8	190FB-10-08				
5/8" - 14	1/2"	8	100FB-10-08	1" - 11	1"	16	145FB-16-16	5/8" - 14	5/8"	10	190FB-10-10				
5/8" - 14	5/8"	10	100FB-10-10	1.1/4" - 11	1.1/4"	20	145FB-20-20	3/4" - 14	5/8"	10	190FB-12-10				
3/4" - 14	5/8"	10	100FB-12-10	1.1/2" - 11	1.1/2"	20	145FB-24-24	3/4" - 14	3/4"	12	190FB-12-12				
3/4" - 14	3/4"	12	100FB-12-12					1" - 11	3/4"	12	190FB-16-12				
1" - 11	3/4"	12	100FB-16-12					1" - 11	1"	16	190FB-16-16				
1" - 11	1"	16	100FB-16-16					1.1/4" - 11	1.1/4"	20	190FB-20-20				
1.1/4" - 11	1.1/4"	20	100FB-20-20					1.1/2" - 11	1.1/2"	24	190FB-24-24				
1.1/2" - 11	1.1/2"	24	100FB-24-24					2" - 11	2"	32	190FB-32-32				
2" - 11	2"	32	100FB-32-32												

LINHA NPTF Macho Fixo				LINHA NPTF Macho Giratório				LINHA Komatsu																																	
Macho Fixo Reto Rosca NPTF (Cônica) Código 100MN				Macho Giratório Reto Rosca NPTF (Cônica) Código 100MG				Fêmea Giratória Reta Métrica JIC (Komatsu) Código 100FK																																	
Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código	Rosca	Pol.	Bitola	Código																														
1/8" - 27	1/4"	4	100MN-02-04	1/4" - 18	1/4"	4	100MG-04-04	M14 x 1.5	1/4"	4	100FK-14-04																														
1/4" - 18	1/4"	4	100MN-04-04	LINHA Emendas				M16 x 1.5	3/8"	6	100FK-16-06																														
1/4" - 18	3/8"	6	100MN-04-06									M18 x 1.5	3/8"	6	100FK-18-06																										
3/8" - 18	1/4"	4	100MN-06-04	Emenda para Mangueiras "Espigão" Código 100EM								M20 x 1.5	3/8"	6	100FK-20-06																										
3/8" - 18	3/8"	6	100MN-06-06					<table border="1"> <thead> <tr> <th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>4</td><td>100EM-04-04</td></tr> <tr><td>5/16"</td><td>5</td><td>100EM-05-05</td></tr> <tr><td>3/8"</td><td>6</td><td>100EM-06-06</td></tr> <tr><td>1/2"</td><td>8</td><td>100EM-08-08</td></tr> <tr><td>5/8"</td><td>10</td><td>100EM-10-10</td></tr> <tr><td>3/4"</td><td>12</td><td>100EM-12-12</td></tr> <tr><td>1"</td><td>16</td><td>100EM-16-16</td></tr> <tr><td>1.1/4"</td><td>20</td><td>100EM-20-20</td></tr> <tr><td>1.1/2"</td><td>24</td><td>100EM-24-24</td></tr> </tbody> </table>				Pol.	Bitola	Código	1/4"	4	100EM-04-04	5/16"	5	100EM-05-05	3/8"	6	100EM-06-06	1/2"	8	100EM-08-08	5/8"	10	100EM-10-10	3/4"	12	100EM-12-12	1"	16	100EM-16-16	1.1/4"	20	100EM-20-20	1.1/2"	24	100EM-24-24
Pol.	Bitola	Código																																							
1/4"	4	100EM-04-04																																							
5/16"	5	100EM-05-05																																							
3/8"	6	100EM-06-06																																							
1/2"	8	100EM-08-08																																							
5/8"	10	100EM-10-10																																							
3/4"	12	100EM-12-12																																							
1"	16	100EM-16-16																																							
1.1/4"	20	100EM-20-20																																							
1.1/2"	24	100EM-24-24																																							
3/8" - 18	1/2"	8	100MN-06-08	LINHA BSP Boleado 60°				M24 x 1.5	5/8"	10	100FK-24-10																														
1/2" - 14	1/4"	4	100MN-08-04									M24 x 1.5	3/4"	12	100FK-24-12																										
1/2" - 14	3/8"	6	100MN-08-06	Macho Reto BSP - Vedação Boleada Código 100MB								M30 x 1.5	5/8"	10	100FK-30-10																										
1/2" - 14	1/2"	8	100MN-08-08					<table border="1"> <thead> <tr> <th>Rosca</th><th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>1/4"</td><td>4</td><td>100MB-04-04</td></tr> <tr><td>3/8"</td><td>3/8"</td><td>6</td><td>100MB-06-06</td></tr> <tr><td>1/2"</td><td>1/2"</td><td>8</td><td>100MB-08-08</td></tr> <tr><td>3/4"</td><td>3/4"</td><td>12</td><td>100MB-12-12</td></tr> <tr><td>1"</td><td>1"</td><td>16</td><td>100MB-16-16</td></tr> </tbody> </table>				Rosca	Pol.	Bitola	Código	1/4"	1/4"	4	100MB-04-04	3/8"	3/8"	6	100MB-06-06	1/2"	1/2"	8	100MB-08-08	3/4"	3/4"	12	100MB-12-12	1"	1"	16	100MB-16-16	M30 x 1.5	3/4"	12	100FK-30-12		
Rosca	Pol.	Bitola	Código																																						
1/4"	1/4"	4	100MB-04-04																																						
3/8"	3/8"	6	100MB-06-06																																						
1/2"	1/2"	8	100MB-08-08																																						
3/4"	3/4"	12	100MB-12-12																																						
1"	1"	16	100MB-16-16																																						
1/2" - 14	5/8"	10	100MN-08-10	LINHA BSP Boleado 60°				M33 x 1.5	1"	16	100FK-33-16																														
1/2" - 14	3/4"	12	100MN-08-12					<table border="1"> <thead> <tr> <th>Rosca</th><th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>1/4"</td><td>4</td><td>100MB-04-04</td></tr> <tr><td>3/8"</td><td>3/8"</td><td>6</td><td>100MB-06-06</td></tr> <tr><td>1/2"</td><td>1/2"</td><td>8</td><td>100MB-08-08</td></tr> <tr><td>3/4"</td><td>3/4"</td><td>12</td><td>100MB-12-12</td></tr> <tr><td>1"</td><td>1"</td><td>16</td><td>100MB-16-16</td></tr> </tbody> </table>				Rosca	Pol.	Bitola	Código	1/4"	1/4"	4	100MB-04-04	3/8"	3/8"	6	100MB-06-06	1/2"	1/2"	8	100MB-08-08	3/4"	3/4"	12	100MB-12-12	1"	1"	16	100MB-16-16						
Rosca	Pol.	Bitola	Código																																						
1/4"	1/4"	4	100MB-04-04																																						
3/8"	3/8"	6	100MB-06-06																																						
1/2"	1/2"	8	100MB-08-08																																						
3/4"	3/4"	12	100MB-12-12																																						
1"	1"	16	100MB-16-16																																						
3/4" - 14	1/2"	8	100MN-12-08	LINHA BSP Boleado 60°																																					
3/4" - 14	5/8"	10	100MN-12-10																																						
3/4" - 14	3/4"	12	100MN-12-12	Macho Reto BSP - Vedação Boleada Código 100MB																																					
3/4" - 14	1"	16	100MN-12-16					<table border="1"> <thead> <tr> <th>Rosca</th><th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>1/4"</td><td>4</td><td>100MB-04-04</td></tr> <tr><td>3/8"</td><td>3/8"</td><td>6</td><td>100MB-06-06</td></tr> <tr><td>1/2"</td><td>1/2"</td><td>8</td><td>100MB-08-08</td></tr> <tr><td>3/4"</td><td>3/4"</td><td>12</td><td>100MB-12-12</td></tr> <tr><td>1"</td><td>1"</td><td>16</td><td>100MB-16-16</td></tr> </tbody> </table>				Rosca	Pol.	Bitola	Código	1/4"	1/4"	4	100MB-04-04	3/8"	3/8"	6	100MB-06-06	1/2"	1/2"	8	100MB-08-08	3/4"	3/4"	12	100MB-12-12	1"	1"	16	100MB-16-16						
Rosca	Pol.	Bitola	Código																																						
1/4"	1/4"	4	100MB-04-04																																						
3/8"	3/8"	6	100MB-06-06																																						
1/2"	1/2"	8	100MB-08-08																																						
3/4"	3/4"	12	100MB-12-12																																						
1"	1"	16	100MB-16-16																																						
1" - 11.5	3/4"	12	100MN-16-12	LINHA BSP Boleado 60°																																					
1" - 11.5	1"	16	100MN-16-16																																						
1.1/4" - 11.5	1"	16	100MN-20-16	Macho Reto BSP - Vedação Boleada Código 100MB																																					
1.1/4" - 11.5	1.1/4"	20	100MN-20-20					<table border="1"> <thead> <tr> <th>Rosca</th><th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>1/4"</td><td>4</td><td>100MB-04-04</td></tr> <tr><td>3/8"</td><td>3/8"</td><td>6</td><td>100MB-06-06</td></tr> <tr><td>1/2"</td><td>1/2"</td><td>8</td><td>100MB-08-08</td></tr> <tr><td>3/4"</td><td>3/4"</td><td>12</td><td>100MB-12-12</td></tr> <tr><td>1"</td><td>1"</td><td>16</td><td>100MB-16-16</td></tr> </tbody> </table>				Rosca	Pol.	Bitola	Código	1/4"	1/4"	4	100MB-04-04	3/8"	3/8"	6	100MB-06-06	1/2"	1/2"	8	100MB-08-08	3/4"	3/4"	12	100MB-12-12	1"	1"	16	100MB-16-16						
Rosca	Pol.	Bitola	Código																																						
1/4"	1/4"	4	100MB-04-04																																						
3/8"	3/8"	6	100MB-06-06																																						
1/2"	1/2"	8	100MB-08-08																																						
3/4"	3/4"	12	100MB-12-12																																						
1"	1"	16	100MB-16-16																																						
1.1/2" - 11.5	1.1/2"	24	100MN-24-24	LINHA BSP Boleado 60°																																					
2" - 11.5	2"	32	100MN-32-32																																						
				Macho Reto BSP - Vedação Boleada Código 100MB																																					
								<table border="1"> <thead> <tr> <th>Rosca</th><th>Pol.</th><th>Bitola</th><th>Código</th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>1/4"</td><td>4</td><td>100MB-04-04</td></tr> <tr><td>3/8"</td><td>3/8"</td><td>6</td><td>100MB-06-06</td></tr> <tr><td>1/2"</td><td>1/2"</td><td>8</td><td>100MB-08-08</td></tr> <tr><td>3/4"</td><td>3/4"</td><td>12</td><td>100MB-12-12</td></tr> <tr><td>1"</td><td>1"</td><td>16</td><td>100MB-16-16</td></tr> </tbody> </table>				Rosca	Pol.	Bitola	Código	1/4"	1/4"	4	100MB-04-04	3/8"	3/8"	6	100MB-06-06	1/2"	1/2"	8	100MB-08-08	3/4"	3/4"	12	100MB-12-12	1"	1"	16	100MB-16-16						
Rosca	Pol.	Bitola	Código																																						
1/4"	1/4"	4	100MB-04-04																																						
3/8"	3/8"	6	100MB-06-06																																						
1/2"	1/2"	8	100MB-08-08																																						
3/4"	3/4"	12	100MB-12-12																																						
1"	1"	16	100MB-16-16																																						

LINHA Flange (3000 LBS)



Flange Reto 3000PSI
Código 100F3

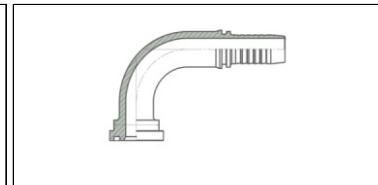
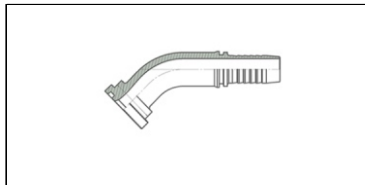
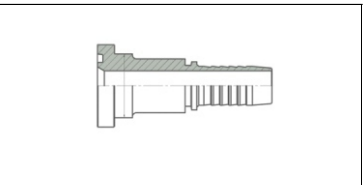
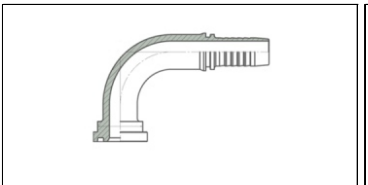
Flange 45° 3000PSI
Código 145F3

Flange		Pol. Mang.	Código
mm	Pol.		
30.2	1.3/16"	1/2"	100F3-08-08
38.1	1.1/2"	1/2"	100F3-12-08
38.1	1.1/2"	5/8"	100F3-12-10
38.1	1.1/2"	3/4"	100F3-12-12
38.1	1.1/2"	1"	100F3-12-16
44.4	1.3/4"	3/4"	100F3-16-12
44.4	1.3/4"	1"	100F3-16-16
44.4	1.3/4"	1.1/4"	100F3-16-20
50.8	2"	1"	100F3-20-16
50.8	2"	1.1/4"	100F3-20-20
60.3	2.3/8"	1.1/4"	100F3-24-20
60.3	2.3/8"	1.1/2"	100F3-24-24
71.4	2.13/16"	2"	100F3-32-32

Flange		Pol. Mang.	Código
mm	Pol.		
38.1	1.1/2"	1/2"	145F3-12-08
38.1	1.1/2"	5/8"	145F3-12-10
38.1	1.1/2"	3/4"	145F3-12-12
44.4	1.3/4"	3/4"	145F3-16-12
44.4	1.3/4"	1"	145F3-16-16
50.8	2"	1"	145F3-20-16
50.8	2"	1.1/4"	145F3-20-20
60.3	2.3/8"	1.1/4"	145F3-24-20
60.3	2.3/8"	1.1/2"	145F3-24-24
71.4	2.13/16"	2"	145F3-32-32

LINHA Flange (3000 LBS)

LINHA Flange (6000 LBS)



Flange 90° 3000PSI
Código 190F3

Flange Reto 6000PSI
Código 100F6

Flange 45° 6000PSI
Código 145F6

Flange 90° 6000PSI
Código 190F6

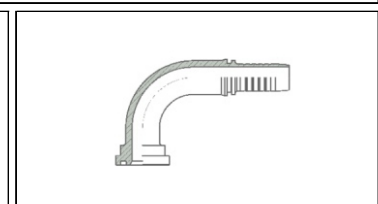
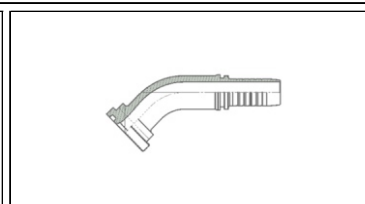
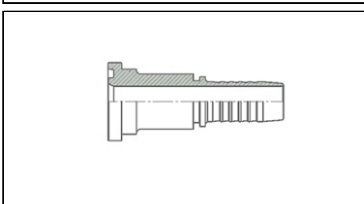
Flange		Pol. Mang.	Código
mm	Pol.		
30.2	1.3/16"	1/2"	190F3-08-08
38.1	1.1/2"	1/2"	190F3-12-08
38.1	1.1/2"	5/8"	190F3-12-10
38.1	1.1/2"	3/4"	190F3-12-12
38.1	1.1/2"	1"	190F3-12-16
44.4	1.3/4"	3/4"	190F3-16-12
44.4	1.3/4"	1"	190F3-16-16
44.4	1.3/4"	1"	190F3-16-16-L
44.4	1.3/4"	1.1/4"	190F3-16-20
50.8	2"	1"	190F3-20-16
50.8	2"	1.1/4"	190F3-20-20
60.3	2.3/8"	1.1/4"	190F3-24-20
60.3	2.3/8"	1.1/2"	190F3-24-24
71.4	2.13/16"	2"	190F3-32-32

Flange		Pol. Mang.	Código
mm	Pol.		
41.3	1.5/8"	3/4"	100F6-12-12
47.6	1.7/8"	3/4"	100F6-16-12
47.6	1.7/8"	1"	100F6-16-16
54	2.1/8"	1"	100F6-20-16
54	2.1/8"	1.1/4"	100F6-20-20
63.5	2.1/2"	1.1/4"	100F6-24-20
63.5	2.1/2"	1.1/2"	100F6-24-24

Flange		Pol. Mang.	Código
mm	Pol.		
41.3	1.5/8"	3/4"	145F6-12-12
47.6	1.7/8"	3/4"	145F6-16-12
47.6	1.7/8"	1"	145F6-16-16
54	2.1/8"	1"	145F6-20-16
54	2.1/8"	1.1/4"	145F6-20-20
63.5	2.1/2"	1.1/2"	145F6-24-24

Flange		Pol. Mang.	Código
mm	Pol.		
41.3	1.5/8"	3/4"	190F6-12-12
47.6	1.7/8"	3/4"	190F6-16-12
47.6	1.7/8"	1"	190F6-16-16
47.6	1.7/8"	1"	190F6-16-16-L
54	2.1/8"	1"	190F6-20-16
54	2.1/8"	1.1/4"	190F6-20-20
54	2.1/8"	1.1/4"	190F6-20-20-L
63.5	2.1/2"	1.1/2"	190F6-24-24

Flange (9000 LBS) - Super Cat 14 mm



Flange Reto 9000PSI - Super Cat 14 mm
Código 100F9

Flange 45° 9000PSI - Super Cat 14 mm
Código 145F9

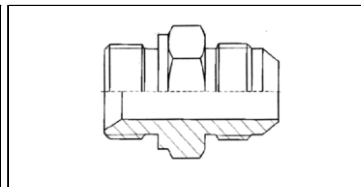
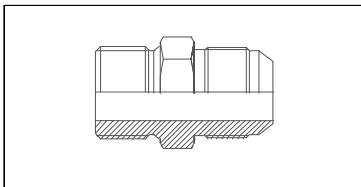
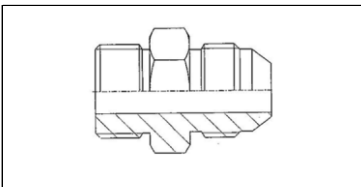
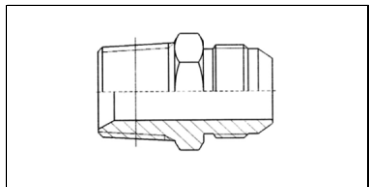
Flange 90° 9000PSI - Super Cat 14 mm
Código 190F9

Flange		Pol. Mang.	Código
mm	Pol.		
41.3	1.5/8"	3/4"	100F9-12-12
47.6	1.7/8"	3/4"	100F9-16-12
47.6	1.7/8"	1"	100F9-16-16
54	2.1/8"	1"	100F9-20-16
54	2.1/8"	1.1/4"	100F9-20-20
63.5	2.1/2"	1.1/2"	100F9-24-24

Flange		Pol. Mang.	Código
mm	Pol.		
47.6	1.7/8"	3/4"	145F9-16-12
47.6	1.7/8"	1"	145F9-16-16
54	2.1/8"	1"	145F9-20-16

Flange		Pol. Mang.	Código
mm	Pol.		
41.3	1.5/8"	3/4"	190F9-12-12
41.3	1.5/8"	3/4"	190F9-12-12-L
47.6	1.7/8"	3/4"	190F9-16-12
47.6	1.7/8"	3/4"	190F9-16-12-L
47.6	1.7/8"	1"	190F9-16-16
47.6	1.7/8"	1"	190F9-16-16-L
54	2.1/8"	1"	190F9-20-16
54	2.1/8"	1"	190F9-20-16-L
54	2.1/8"	1.1/4"	190F9-20-20
54	2.1/8"	1.1/4"	190F9-20-20-L
63.5	2.1/2"	1.1/2"	190F9-24-24

NPT, JIC, Oring, BSP e Métrico



Macho NPT x Macho JIC
Código 200NJ

Macho O-Ring x Macho JIC
Código 200OJ

Macho BSP x Macho JIC
Código 200BJ

Macho Métrico x Macho JIC
Código 200MJ

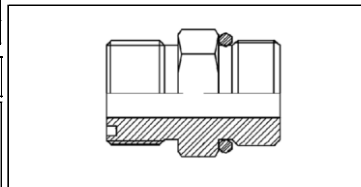
Traço	Dimensões		Código
	NPT	JIC 37°	
02-04	1/8"	7/16"	200NJ-02-04
02-06	1/8"	9/16"	200NJ-02-06
04-04	1/4"	7/16"	200NJ-04-04
04-05	1/4"	1/2"	200NJ-04-05
04-06	1/4"	9/16"	200NJ-04-06
04-08	1/4"	3/4"	200NJ-04-08
06-04	3/8"	7/16"	200NJ-06-04
06-06	3/8"	9/16"	200NJ-06-06
06-08	3/8"	3/4"	200NJ-06-08
06-10	3/8"	7/8"	200NJ-06-10
08-06	1/2"	9/16"	200NJ-08-06
08-08	1/2"	3/4"	200NJ-08-08
08-10	1/2"	7/8"	200NJ-08-10
08-12	1/2"	1.1/16"	200NJ-08-12
12-08	3/4"	3/4"	200NJ-12-08
12-10	3/4"	7/8"	200NJ-12-10
12-12	3/4"	1.1/16"	200NJ-12-12
12-16	3/4"	1.5/16"	200NJ-12-16
16-12	1"	1.1/16"	200NJ-16-12
16-16	1"	1.5/16"	200NJ-16-16
16-20	1"	1.5/8"	200NJ-16-20
20-16	1.1/4"	1.5/16"	200NJ-20-16
20-20	1.1/4"	1.5/8"	200NJ-20-20
20-24	1.1/4"	1.7/8"	200NJ-20-24
24-20	1.1/2"	1.5/8"	200NJ-24-20
24-24	1.1/2"	1.7/8"	200NJ-24-24
24-32	2"	1.7/8"	200NJ-24-32
32-32	2"	2.1/2"	200NJ-32-32

Traço	Dimensões		Código
	O-Ring	JIC 37°	
04-04	7/16"	7/16"	200OJ-04-04
04-06	7/16"	9/16"	200OJ-04-06
05-05	1/2"	1/2"	200OJ-05-05
05-06	1/2"	9/16"	200OJ-05-06
06-06	9/16"	9/16"	200OJ-06-06
06-08	9/16"	3/4"	200OJ-06-08
06-10	9/16"	7/8"	200OJ-06-10
08-06	3/4"	9/16"	200OJ-08-06
08-08	3/4"	3/4"	200OJ-08-08
08-10	3/4"	7/8"	200OJ-08-10
08-12	3/4"	1.1/16"	200OJ-08-12
10-06	7/8"	9/16"	200OJ-10-06
10-08	7/8"	3/4"	200OJ-10-08
10-10	7/8"	7/8"	200OJ-10-10
10-12	7/8"	1.1/16"	200OJ-10-12
10-16	7/8"	1.5/16"	200OJ-10-16
12-08	1.1/16"	3/4"	200OJ-12-08
12-10	1.1/16"	7/8"	200OJ-12-10
12-12	1.1/16"	1.1/16"	200OJ-12-12
12-16	1.1/16"	1.5/16"	200OJ-12-16
16-10	1.5/16"	7/8"	200OJ-16-10
16-12	1.5/16"	1.1/16"	200OJ-16-12
16-16	1.5/16"	1.5/16"	200OJ-16-16
16-20	1.5/16"	1.5/8"	200OJ-16-20
20-16	1.5/8"	1.5/16"	200OJ-20-16
20-20	1.5/8"	1.5/8"	200OJ-20-20
24-24	1.7/8"	1.7/8"	200OJ-24-24

Traço	Dimensões		Código
	BSP	JIC 37°	
04-04	1/4"	7/16"	200BJ-04-04
04-06	1/4"	9/16"	200BJ-04-06
06-06	3/8"	9/16"	200BJ-06-06
06-08	3/8"	3/4"	200BJ-06-08
06-10	3/8"	7/8"	200BJ-06-10
08-06	1/2"	9/16"	200BJ-08-06
08-08	1/2"	3/4"	200BJ-08-08
08-10	1/2"	7/8"	200BJ-08-10
08-12	1/2"	1.1/16"	200BJ-08-12
12-10	3/4"	7/8"	200BJ-12-10
12-12	3/4"	1.1/16"	200BJ-12-12
12-16	3/4"	1.5/16"	200BJ-12-16
16-12	1"	1.1/16"	200BJ-16-12
16-16	1"	1.5/16"	200BJ-16-16
20-20	1.1/4"	1.5/8"	200BJ-20-20

Traço	Dimensões		Código
	Métrico	JIC 37°	
12-04	M12	7/16"	200MJ-12-04
14-04	M14	7/16"	200MJ-14-04
16-06	M16	9/16"	200MJ-16-06
16-08	M16	3/4"	200MJ-16-08
18-06	M18	9/16"	200MJ-18-06
18-08	M18	3/4"	200MJ-18-08
20-06	M20	9/16"	200MJ-20-06
20-08	M20	3/4"	200MJ-20-08
22-08	M22	3/4"	200MJ-22-08
22-10	M22	7/8"	200MJ-22-10
22-12	M22	1.1/16"	200MJ-22-12

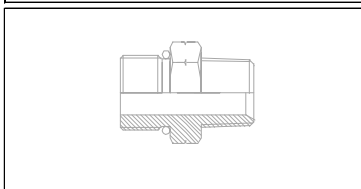
ORFS e O-Ring



Macho ORFS x Macho O-Ring
Código 200OO

Traço	Dimensões		Código
	ORFS	O-Ring	
04-04	9/16"	7/16"	200OO-04-04
06-04	1.1/16"	7/16"	200OO-06-04
06-06	1.1/16"	9/16"	200OO-06-06
06-08	1.1/16"	3/4"	200OO-06-08
08-06	1.3/16"	9/16"	200OO-08-06
08-08	1.3/16"	3/4"	200OO-08-08
08-10	1.3/16"	7/8"	200OO-08-10
10-08	1"	3/4"	200OO-10-08
10-10	1"	7/8"	200OO-10-10
12-10	1.3/16"	7/8"	200OO-12-10
12-12	1.3/16"	1.1/16"	200OO-12-12
16-12	1.7/16"	1.1/16"	200OO-16-12

O-ring, NPT

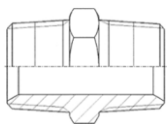


Macho O-Ring x Macho NPT
Código 200ON

Traço	Dimensões		Código
	O-Ring	NPT	
08-08	3/4"	1/2"	200ON-08-08
10-08	7/8"	1/2"	200ON-10-08
12-08	1.1/16"	1/2"	200ON-12-08

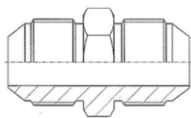
NPT, JIC, Oring, BSP e Métrico

Nipples



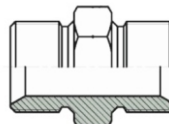
Niple Duplo NPT

Código 210N



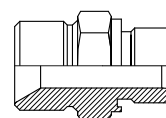
Niple Duplo JIC

Código 210J



Niple Duplo BSP

Código 210B



Macho BSP 60° X Macho BSP Paralelo

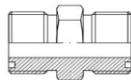
Código 200BW

Traço	Dimensões		Código
	NPT	NPT	
02-02	1/8"	1/8"	210N-02-02
04-02	1/4"	1/8"	210N-04-02
04-04	1/4"	1/4"	210N-04-04
06-04	3/8"	1/4"	210N-06-04
06-06	3/8"	3/8"	210N-06-06
08-04	1/2"	1/4"	210N-08-04
08-06	1/2"	3/8"	210N-08-06
08-08	1/2"	1/2"	210N-08-08
12-08	3/4"	1/2"	210N-12-08
12-12	3/4"	3/4"	210N-12-12
16-16	1"	1"	210N-16-16
20-20	1.1/4"	1.1/4"	210N-20-20
24-24	1.1/2"	1.1/2"	210N-24-24
32-32	2"	2"	210N-32-32

Traço	Dimensões	Código
	JIC 37°	
04-04	7/16"	210J-04-04
06-06	9/16"	210J-06-06
08-08	3/4"	210J-08-08
10-10	7/8"	210J-10-10
12-12	1.1/16"	210J-12-12
16-16	1.5/16"	210J-16-16
20-20	1.5/8"	210J-20-20

Traço	Dimensões	Código
	BSP	
02-02	1/8"	210B-02-02
04-04	1/4"	210B-04-04
06-06	3/8"	210B-06-06
08-08	1/2"	210B-08-08
12-12	3/4"	210B-12-12
16-16	1"	210B-16-16

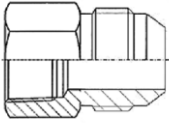
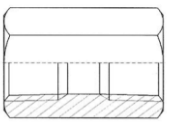
Traço	Dimensões	Código
	BSP	
04-04	1/4"	200BW-04-04
06-06	3/8"	200BW-06-06
08-08	1/2"	200BW-08-08
12-12	3/4"	200BW-12-12
16-16	1"	200BW-16-16

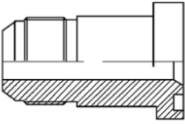
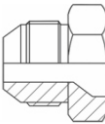
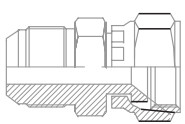


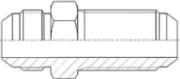
MACHO ORFS X MACHO ORFS

Código: 2100

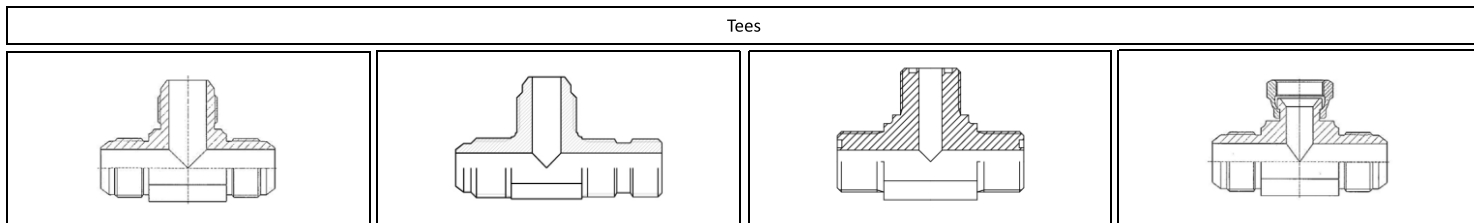
Traço	Dimensões		Código
	ORFS	ORFS	
04	18	9/16"	2100-04
06	16	11/16"	2100-06
08	16	13/16"	2100-08
10	14	1"	2100-10
12	12	1.3/16"	2100-12
16	12	1.7/16"	2100-16

NPT, JIC, O-Ring E Bucha de Redução				Luva											
															
Fêmea Fixa NPT x Macho JIC Código 212NJ				Macho O-Ring x Fêmea JIC Código 201OJ				Bucha de Redução NPT Código 201N				Luvas NPT Código 211N			
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	NPT	JIC 37°			O-Ring	JIC 37°			NPT	NPT					
02-04	1/8"	7/16"	212NJ-02-04	08-08	3/4"	3/4"	201OJ-08-08	04-02	1/4"	1/8"	201N-04-02	2	1/8"	211N-02	
04-02	1/4"	5/16"	212NJ-04-02	08-10	3/4"	7/8"	201OJ-08-10	06-02	3/8"	1/8"	201N-06-02	4	1/4"	211N-04	
04-06	1/4"	9/16"	212NJ-04-06	10-10	7/8"	7/8"	201OJ-10-10	06-04	3/8"	1/4"	201N-06-04	6	3/8"	211N-06	
06-04	3/8"	7/16"	212NJ-06-04	12-12	1.1/16"	1.1/16"	201OJ-12-12	08-02	1/2"	1/8"	201N-08-02	8	1/2"	211N-08	
06-08	3/8"	3/4"	212NJ-06-08					08-04	1/2"	1/4"	201N-08-04	12	3/4"	211N-12	
08-06	1/2"	9/16"	212NJ-08-06					08-06	1/2"	3/8"	201N-08-06	16	1"	211N-16	
08-08	1/2"	3/4"	212NJ-08-08					12-06	3/4"	3/8"	201N-12-06	20	1.1/4"	211N-20	
08-10	1/2"	7/8"	212NJ-08-10					12-08	3/4"	1/2"	201N-12-08	24	1.1/2"	211N-24	
12-12	3/4"	1.1/16"	212NJ-12-12					16-08	1"	1/2"	201N-16-08	32	2"	211N-32	
12-16	3/4"	1.5/16"	212NJ-12-16					16-12	1"	3/4"	201N-16-12				
16-12	1"	1.1/16"	212NJ-16-12												
16-16	1"	1.5/16"	212NJ-16-16												

Flange e Solda				NPT, JIC				Nipples							
															
Macho JIC x Flange 3000 PSI Código 200JF				Macho JIC x Solda Código 240JS				Macho NPT x Fêmea JIC Código 201NJ				Macho JIC X Fêmea JIC Código 201J			
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	JIC 37°	Flange			JIC 37°	NPT			JIC 37°	JIC					
12-12	1.1/16"	3/4"	200JF-12-12	4	7/16"	240JS-04	04-06	1/4"	9/16"	201NJ-04-06	04-04	7/16"	7/16"	201J-04-04	
16-16	1.5/16"	1"	200JF-16-16	6	9/16"	240JS-06	06-06	3/8"	9/16"	201NJ-06-06	04-06	7/16"	9/16"	201J-04-06	
				8	3/4"	240JS-08	06-08	3/8"	3/4"	201NJ-06-08	06-04	9/16"	7/16"	201J-06-04	
				10	7/8"	240JS-10	08-08	1/2"	3/4"	201NJ-08-08	06-06	9/16"	9/16"	201J-06-06	
				12	1.1/16"	240JS-12	08-10	1/2"	7/8"	201NJ-08-10	06-08	9/16"	3/4"	201J-06-08	
				16	1.5/16"	240JS-16	12-12	3/4"	1.1/16"	201NJ-12-12	08-06	3/4"	9/16"	201J-08-06	
								16-12	1"	1.1/16"	201NJ-16-12	08-08	3/4"	3/4"	201J-08-08
								16-16	1"	1.5/16"	201NJ-16-16	08-10	3/4"	7/8"	201J-08-10
												10-06	7/8"	9/16"	201J-10-06
												10-08	7/8"	3/4"	201J-10-08
												10-10	7/8"	7/8"	201J-10-10
												10-12	7/8"	1.1/16"	201J-10-12
												12-08	1.1/16"	3/4"	201J-12-08
												12-10	1.1/16"	7/8"	201J-12-10
												12-12	1.1/16"	1.1/16"	201J-12-12
												12-16	1.1/16"	1.5/16"	201J-12-16
												16-12	1.5/16"	1.1/16"	201J-16-12
												16-16	1.5/16"	1.5/16"	201J-16-16

UCA JIC e ORFS											
											
UCA JIC - União Painel Cumprida JIC Código 210UCA											
UCA JIC - Cotovelo Painel Cumprido JIC Código 220UCA											
UCA ORFS - União Cumprida ORFS Código 210UCO											
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	JIC				JIC	ORFS					
4	7/16"		210UCA-04	8	3/4"		220UCA-08-08	6	11/16"		210UCO-06
6	9/16"		210UCA-06	10	7/8"		220UCA-10-10	8	13/16"		210UCO-08
8	3/4"		210UCA-08	12	1.1/16"		220UCA-12-12	10	1"		210UCO-10
10	7/8"		210UCA-10	16	1.5/16"		220UCA-16-16	12	1.3/16"		210UCO-12
12	1.1/16"		210UCA-12					16	1.7/16"		210UCO-16
16	1.5/16"		210UCA-16								
20	1.5/8"		210UCA-20								

Tees



Tee Macho JIC
Código 230J

TEE JIC - MACHO JIC
Código 230JO

TEE MACHO ORFS
Código 230O

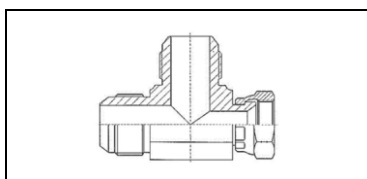
Tee JIC Fêmea Central
Código 231JFC

Traço	Dimensões	Código
	JIC 37°	
4	7/16"	230J-04
6	9/16"	230J-06
8	3/4"	230J-08
10	7/8"	230J-10
12	1.1/16"	230J-12
16	1.5/16"	230J-16
20	1.5/8"	230J-20

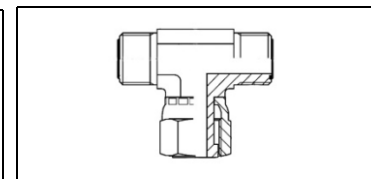
Traço	Dimensões	Código
	JIC 37°	
08	3/4"	230JO-08
10	7/8"	230JO-10
12	1.1/16"	230JO-12
16	1.5/16"	230JO-16

Traço	Dimensões	Código
	ORFS	
04	9/16"	230O-04
06	11/16"	230O-06
08	13/16"	230O-08
10	1"	230O-10
12	1.3/16"	230O-12
16	1.7/16"	230O-16

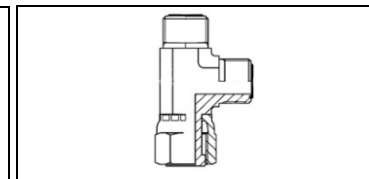
Traço	Dimensões	Código
	JIC 37°	
4	7/16"	231JFC-04
6	9/16"	231JFC-06
8	3/4"	231JFC-08
10	7/8"	231JFC-10
12	1.1/16"	231JFC-12
16	1.5/16"	231JFC-16
20	1.5/8"	231JFC-20



Tee JIC Fêmea Lateral
Código 231JFL



TEE ORFS - FÊMEA CENTRAL
Código 231OFC

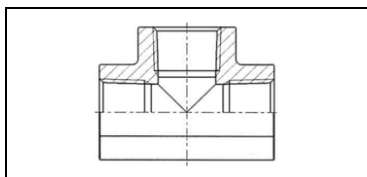


TEE ORFS - FÊMEA LATERAL
Código 231OFL

Traço	Dimensões	Código
	JIC 37°	
4	7/16"	231JFL-04
6	9/16"	231JFL-06
8	3/4"	231JFL-08
10	7/8"	231JFL-10
12	1.1/16"	231JFL-12
16	1.5/16"	231JFL-16

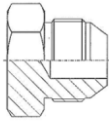
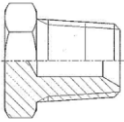

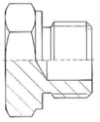
Traço	Dimensões	Código
	ORFS	
04	9/16"	231OFC-04
06	11/16"	231OFC-06
08	13/16"	231OFC-08
10	1"	231OFC-10
12	1"	231OFC-12
16	1.7/16"	231OFC-16

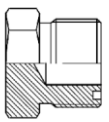
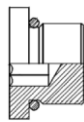

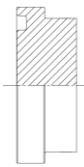
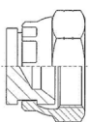
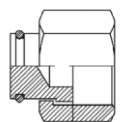
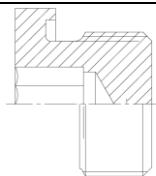
Traço	Dimensões	Código
	ORFS	
04	9/16"	231OFL-04
06	11/16"	231OFL-06
08	13/16"	231OFL-08
10	1"	231OFL-10
12	1.3/16"	231OFL-12
16	1.7/16"	231OFL-16

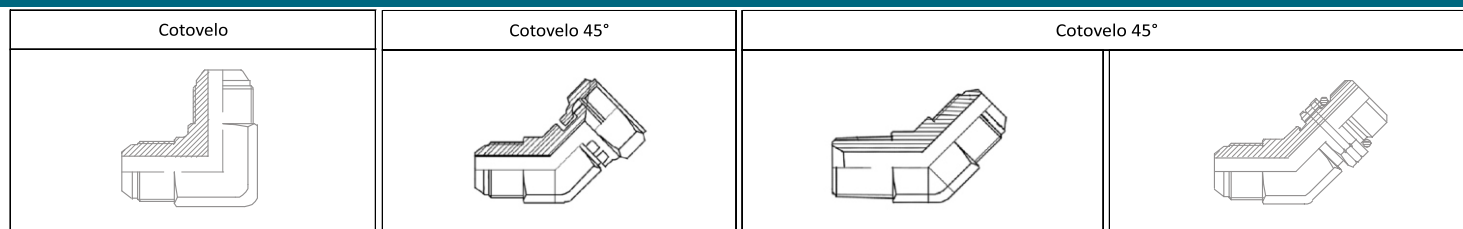


Tee NPT Fêmea
Código 231N

Traço	Dimensões	Código
	NPT	
4	1/4"	231N-04-04
6	3/8"	231N-06-06
8	1/2"	231N-08-08
12	3/4"	231N-12-12
16	1"	231N-16-16
24	1.1/2"	231N-24-24
32	2"	231N-32-32

Bujão											
											
Bujão Macho JIC Código 240J			Bujão Macho NPT Código 240N			Bujão Macho BSP Sextavado Interno Código 240BS			Bujão Macho BSP Código 240B		
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	JIC 37°				NPT				BSP		
4	7/16"		240J-04	2	1/8"		240N-02	4	1/4"		240BS-04
5	1/2"		240J-05	4	1/4"		240N-04	6	3/8"		240BS-06
6	9/16"		240J-06	6	3/8"		240N-06	8	1/2"		240BS-08
8	3/4"		240J-08	8	1/2"		240N-08	12	3/4"		240BS-12
10	7/8"		240J-10	12	3/4"		240N-12	16	1"		240BS-16
12	1.1/16"		240J-12								
16	1.5/16"		240J-16								
20	1.5/8"		240J-20								

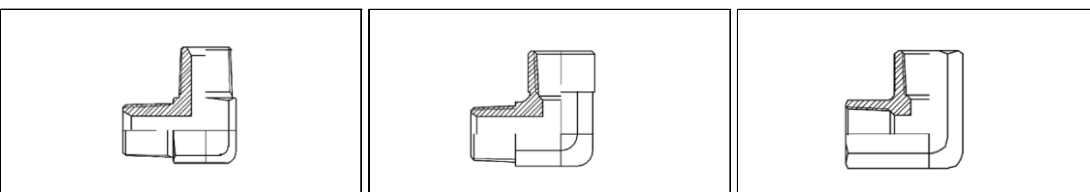
Bujão											
											
Bujão Macho ORFS Código 240O			Bujão Macho O-Ring Sextavado Interno Código 240OS			TAMPAO FLANGE 3000 PSI Código 240F3			TAMPAO FLANGE 6000 PSI Código 240F6		
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	ORFS				O-Ring				mm Pol		
04	9/16"		240O-04	04	7/16"		240OS-04	12	38.1	1.1/2"	240F3-12
06	11/16"		240O-06	05	1/2"		240OS-05	16	44.4	1.3/4"	240F3-16
08	13/16"		240O-08	06	9/16"		240OS-06	20	50.8	2"	240F3-20
10	1"		240O-10	08	3/4"		240OS-08	24	60.3	2.3/8"	240F3-24
12	1.3/16"		240O-12	10	7/8"		240OS-10	32	71.4	2.1/16"	240F3-32
16	1.7/16"		240O-16	12	1.1/16"		240OS-12				
				16	1.5/16"		240OS-16				
				20	1.5/8"		240OS-20				
									BUJÃO MÉTRICO SEXTAVADO INTERNO Código 240MS		
Bujão Fêmea JIC Código 241J			Bujão Fêmea ORFS Código 241O			Traço			rosca		
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	rosca		Código
	JIC 37°				ORFS				mm		
4	7/16"		241J-04	04	9/16"		241O-04	12	M12		240MS-12
5	1/2"		241J-05	06	11/16"		241O-06	16	M16		240MS-16
6	9/16"		241J-06	08	13/16"		241O-08	18	M18		240MS-18
8	3/4"		241J-08	10	1"		241O-10	20	M20		240MS-20
10	7/8"		241J-10	12	1.3/16"		241O-12	24	M24		240MS-24
12	1.1/16"		241J-12	16	1.7/16"		241O-16				
16	1.5/16"		241J-16								
20	1.5/8"		241J-20								



Cotovelo Macho JIC Código 220J	Cotovelo Macho e Fêmea JIC 45° Código 246J	Cotovelo Macho NPT x Macho JIC 45° Código 245NJ	Cotovelo Macho O-Ring x Macho JIC 45° Código 245OJ
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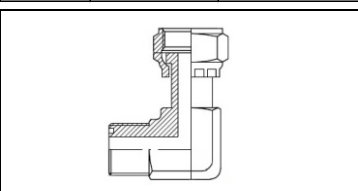
Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	JIC 37°				NPT	JIC 37°			O-Ring	JIC 37°					
04-04	7/16"		220J-04-04	04-04	7/16"		246J-04-04	04-06	1/4"	9/16"	245NJ-04-06	04-06	7/16"	9/16"	245OJ-04-06
06-06	9/16"		220J-06-06	06-06	9/16"		246J-06-06	06-08	3/8"	3/4"	245NJ-06-08	05-05	1/2"	1/2"	245OJ-05-05
08-08	3/4"		220J-08-08	08-08	3/4"		246J-08-08	08-08	1/2"	3/4"	245NJ-08-08	06-06	9/16"	9/16"	245OJ-06-06
10-10	7/8"		220J-10-10	10-10	7/8"		246J-10-10	08-10	1/2"	7/8"	245NJ-08-10	06-08	9/16"	3/4"	245OJ-06-08
				12-12	1.1/16"		246J-12-12	12-12	3/4"	1.1/16"	245NJ-12-12	08-06	3/4"	9/16"	245OJ-08-06
				16-16	1.5/16"		246J-16-16	16-16	1"	1.5/16"	245NJ-16-16	08-08	3/4"	3/4"	245OJ-08-08

cotovelos



Cotovelo Macho NPT Código 220N	Cotovelo Macho e Fêmea NPT Código 221N	Cotovelo Fêmea NPT Código 221FN
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Traço	Dimensões		Código	Traço	Dimensões		Código	Traço	Dimensões		Código
	NPT				NPT	NPT					
04-04	1/4"		220N-04-04	04	1/4"		221N-04	04	1/4"		221FN-04
06-06	3/8"		220N-06-06	06	3/8"		221N-06	06	3/8"		221FN-06
08-08	1/2"		220N-08-08	08	1/2"		221N-08	08	1/2"		221FN-08
12-12	3/4"		220N-12-12	12	3/4"		221N-12	12	3/4"		221FN-12
16-16	1"		220N-16-16	16	1"		221N-16	16	1"		221FN-16
20-20	1.1/4"		220N-20-20								

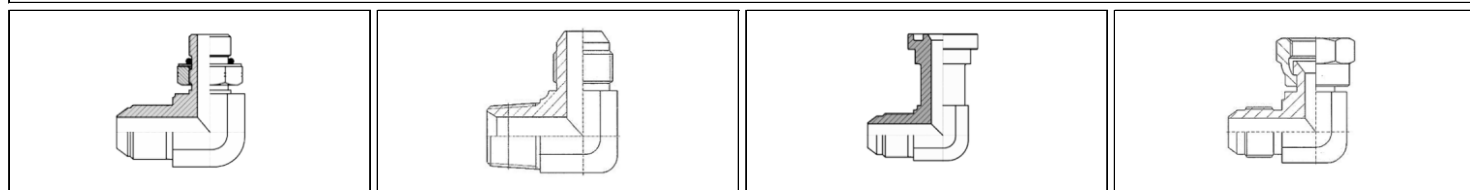


COTOVELO - MACHO X FÊMEA ORFS Código 221O

Traço	Dimensões		Código
	ORFS		
04	9/16"		221O-04
06	11/16"		221O-06
08	13/16"		221O-08
10	1"		221O-10
12	1.3/16"		221O-12
16	1.7/16"		221O-16

08-10	3/4"	7/8"	245OJ-08-10
10-10	7/8"	7/8"	245OJ-10-10
10-12	7/8"	1.1/16"	245OJ-10-12
12-10	1.1/16"	7/8"	245OJ-12-10
12-12	1.1/16"	1.1/16"	245OJ-12-12
12-16	1.1/16"	1.5/16"	245OJ-12-16
16-12	1.5/16"	1.1/16"	245OJ-16-12
16-16	1.5/16"	1.5/16"	245OJ-16-16

Cotovelos

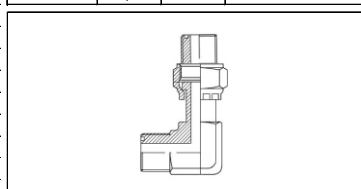


Cotovelo Macho O-Ring x Macho JIC Código 2200J	Cotovelo Macho NPT x Macho JIC Código 220NJ	Cotovelo Macho JIC x Flange 3000 PSI Código 220JF	Cotovelo Macho e Fêmea JIC Código 221J
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Traço	Dimensões		Código																																																												
	O-Ring	JIC 37°																																																													
04-04	7/16"	7/16"	2200J-04-04	04-06	7/16"	9/16"	2200J-04-06	05-05	1/2"	1/2"	2200J-05-05	05-06	1/2"	9/16"	2200J-05-06	06-06	9/16"	9/16"	2200J-06-06	06-08	9/16"	3/4"	2200J-06-08	08-06	3/4"	9/16"	2200J-08-06	08-08	3/4"	3/4"	2200J-08-08	08-10	3/4"	7/8"	2200J-08-10	10-08	7/8"	3/4"	2200J-10-08	10-10	7/8"	7/8"	2200J-10-10	10-12	7/8"	1.1/16"	2200J-10-12	12-12	1.1/16"	1.1/16"	2200J-12-12	12-16	1.1/16"	1.5/16"	2200J-12-16	16-12	1.5/16"	1.1/16"	2200J-16-12	16-16	1.5/16"	1.5/16"	2200J-16-16
04-04	7/16"	7/16"	2200J-04-04																																																												
04-06	7/16"	9/16"	2200J-04-06																																																												
05-05	1/2"	1/2"	2200J-05-05																																																												
05-06	1/2"	9/16"	2200J-05-06																																																												
06-06	9/16"	9/16"	2200J-06-06																																																												
06-08	9/16"	3/4"	2200J-06-08																																																												
08-06	3/4"	9/16"	2200J-08-06																																																												
08-08	3/4"	3/4"	2200J-08-08																																																												
08-10	3/4"	7/8"	2200J-08-10																																																												
10-08	7/8"	3/4"	2200J-10-08																																																												
10-10	7/8"	7/8"	2200J-10-10																																																												
10-12	7/8"	1.1/16"	2200J-10-12																																																												
12-12	1.1/16"	1.1/16"	2200J-12-12																																																												
12-16	1.1/16"	1.5/16"	2200J-12-16																																																												
16-12	1.5/16"	1.1/16"	2200J-16-12																																																												
16-16	1.5/16"	1.5/16"	2200J-16-16																																																												

Traço	Dimensões		Código																																																								
	NPT	JIC 37°																																																									
02-04	1/8"	7/16"	220NJ-02-04	04-04	1/4"	7/16"	220NJ-04-04	04-06	1/4"	9/16"	220NJ-04-06	06-06	3/8"	9/16"	220NJ-06-06	06-08	3/8"	3/4"	220NJ-06-08	08-06	1/2"	9/16"	220NJ-08-06	08-08	1/2"	3/4"	220NJ-08-08	08-10	1/2"	7/8"	220NJ-08-10	12-08	3/4"	3/4"	220NJ-12-08	12-10	3/4"	7/8"	220NJ-12-10	12-12	3/4"	1.1/16"	220NJ-12-12	12-16	3/4"	1.5/16"	220NJ-12-16	16-12	1"	1.1/16"	220NJ-16-12	16-16	1"	1.5/16"	220NJ-16-16	20-20	1.1/4"	1.5/8"	220NJ-20-20
02-04	1/8"	7/16"	220NJ-02-04																																																								
04-04	1/4"	7/16"	220NJ-04-04																																																								
04-06	1/4"	9/16"	220NJ-04-06																																																								
06-06	3/8"	9/16"	220NJ-06-06																																																								
06-08	3/8"	3/4"	220NJ-06-08																																																								
08-06	1/2"	9/16"	220NJ-08-06																																																								
08-08	1/2"	3/4"	220NJ-08-08																																																								
08-10	1/2"	7/8"	220NJ-08-10																																																								
12-08	3/4"	3/4"	220NJ-12-08																																																								
12-10	3/4"	7/8"	220NJ-12-10																																																								
12-12	3/4"	1.1/16"	220NJ-12-12																																																								
12-16	3/4"	1.5/16"	220NJ-12-16																																																								
16-12	1"	1.1/16"	220NJ-16-12																																																								
16-16	1"	1.5/16"	220NJ-16-16																																																								
20-20	1.1/4"	1.5/8"	220NJ-20-20																																																								


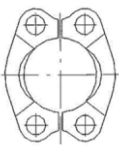
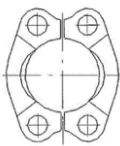

Traço	Dimensões		Código				
	JIC 37°	Flange					
12-12	1.1/16"	3/4"	220JF-12-12	16-16	1.5/16"	1"	220JF-16-16
12-12	1.1/16"	3/4"	220JF-12-12				
16-16	1.5/16"	1"	220JF-16-16				

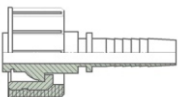

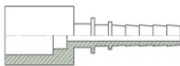
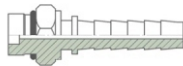


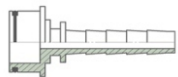
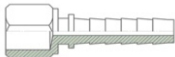
COTOVELO - MACHO ORFS X MACHO O-RING
Código 2200O

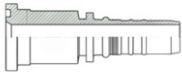
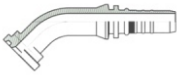
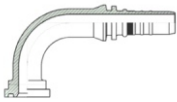
Traço	Dimensões		Código																								
	JIC 37°																										
04-04	7/16"		221J-04-04	06-06	9/16"		221J-06-06	08-08	3/4"		221J-08-08	10-10	7/8"		221J-10-10	12-12	1.1/16"		221J-12-12	16-16	1.5/16"		221J-16-16	20-20	1.5/8"		221J-20-20
04-04	7/16"		221J-04-04																								
06-06	9/16"		221J-06-06																								
08-08	3/4"		221J-08-08																								
10-10	7/8"		221J-10-10																								
12-12	1.1/16"		221J-12-12																								
16-16	1.5/16"		221J-16-16																								
20-20	1.5/8"		221J-20-20																								

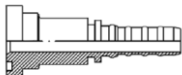


Traço	Dimensões		Código																												
	ORFS	O-RING																													
04-04	9/16"	7/16"	2200O-04-04	06-06	11/16"	9/16"	2200O-06-06	08-08	13/16"	3/4"	2200O-08-08	08-10	13/16"	7/8"	2200O-08-10	10-08	1"	3/4"	2200O-10-08	10-10	1"	7/8"	2200O-10-10	12-12	1.3/16"	1.1/16"	2200O-12-12	16-16	1.7/16"	1.5/16"	2200O-16-16
04-04	9/16"	7/16"	2200O-04-04																												
06-06	11/16"	9/16"	2200O-06-06																												
08-08	13/16"	3/4"	2200O-08-08																												
08-10	13/16"	7/8"	2200O-08-10																												
10-08	1"	3/4"	2200O-10-08																												
10-10	1"	7/8"	2200O-10-10																												
12-12	1.3/16"	1.1/16"	2200O-12-12																												
16-16	1.7/16"	1.5/16"	2200O-16-16																												

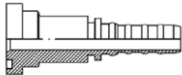
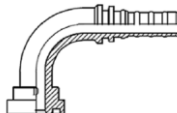
Bujão			Flange Bipartido				Lavação	
								
Bujão Macho NPT Sextavado Interno Código 240NS			Flanges Bipartido 3.000 PSI Código 250F3		Flanges Bipartido 6.000 PSI Código 250F6		Porca Plástica Karcher Código 900PP	
Traço	Dimensões NPT	Código	Flange	Código	Flange	Código	Rosca	Código
2	1/8"	240NS-02	30,2 mm	250F3-08	41,3 mm	250F6-12	M22	900PP-22
4	1/4"	240NS-04	38,1 mm	250F3-12	47,6 mm	250F6-16		
6	3/8"	240NS-06	44,4 mm	250F3-16	54 mm	250F6-20		
8	1/2"	240NS-08	50,8 mm	250F3-20	63,5 mm	250F6-24		
12	3/4"	240NS-12	60,3 mm	250F3-24				
			71,4 mm	250F3-32				

Lavação							
							
Fêmea Karcher Código 900FK		Pino Mini Karcher Código 900PK		Copinho Karcher Código 900CK		Macho WAP 14 MM Código 900MW	
Bitola	Código	Bitola	Código	Bitola	Código	Bitola	Código
1/4"	900FK-22-04	1/4" (Compacto)	900PK-08-04C	1/4" -(Interno 10 mm)	900CK-10-04	1/4"	900MW-14-04
3/8"	900FK-22-06	1/4"	900PK-08-04	1/4"	900CK-11-04		
		1/4"	900PK-10-04				
		1/4"	900PK-14-04				
		1/4"	900PK-15-04				
		1/4"	900PK-08-04 A				

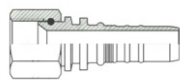
Lavação / Graxa			
			
Fêmea Mini WAP Código 900FW		Fêmea Fixa Graxa Código 900FG	
Bitola	Código	Bitola	Código
1/4"	900FW-04-04	1/8"	900FG-02-04
		1/4"	900FG-04-04

LINHA Flange Interlock (3000 LBS)											
											
Flange Reto 3000PSI Interlock Código 600F3				Flange 45° 3000PSI Interlock Código 645F3				Flange 90° 3000PSI Interlock Código 690F3			
Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código
mm	Pol.			mm	Pol.			mm	Pol.		
38.1	1.1/2"	3/4"	600F3-12-12	38.1	1.1/2"	3/4"	645F3-12-12	38.1	1.1/2"	3/4"	690F3-12-12
44.4	1.3/4"	3/4"	600F3-16-12	44.4	1.3/4"	1"	645F3-16-16	44.4	1.3/4"	3/4"	690F3-16-12
44.4	1.3/4"	1"	600F3-16-16	50.8	2"	1"	645F3-20-16	44.4	1.3/4"	1"	690F3-16-16
50.8	2"	1"	600F3-20-16					50.8	2"	1"	690F3-20-16
60.3	2.3/8"	1.1/2"	600F3-24-24					50.8	2"	1.1/4"	690F3-20-20

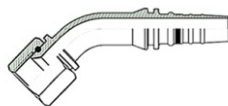
LINHA Flange Interlock (6000 LBS)											
											
Flange Reto 6000PSI Interlock Código 600F6				Flange 45° 6000PSI Interlock Código 645F6				Flange 90° 6000PSI Interlock Código 690F6			
Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código
mm	Pol.			mm	Pol.			mm	Pol.		
41.3	1.5/8"	3/4"	600F6-12-12	47.6	1.7/8"	1"	645F6-16-16	41.3	1.5/8"	3/4"	690F6-12-12
47.6	1.7/8"	3/4"	600F6-16-12	54	2.1/8"	1.1/4"	645F6-20-20	47.6	1.7/8"	1"	690F6-16-16
47.6	1.7/8"	1"	600F6-16-16					54	2.1/8"	1"	690F6-20-16
54	2.1/8"	1"	600F6-20-16					54	2.1/8"	1.1/4"	690F6-20-20
54	2.1/8"	1.1/4"	600F6-20-20					54	2.1/8"	1.1/4"	690F6-20-20-L
63.5	2.1/2"	1.1/2"	600F6-24-24								

LINHA Flange Super Cat 14 mm - Interlock (9000 LBS)											
											
Flange Reto 9000PSI - Super Cat Interlock Código 600F9				Flange 90° 9000PSI - Super Cat Interlock Código 690F9							
Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código	Flange		Pol. Mang.	Código
mm	Pol.			mm	Pol.			mm	Pol.		
41.3	1.5/8"	3/4"	600F9-12-12	41.3	1.5/8"	3/4"	690F9-12-12	41.3	1.5/8"	3/4"	690F9-12-12-L
47.6	1.7/8"	3/4"	600F9-16-12	47.6	1.7/8"	3/4"	690F9-16-12	47.6	1.7/8"	3/4"	690F9-16-12-L
47.6	1.7/8"	1"	600F9-16-16	47.6	1.7/8"	3/4"	690F9-16-12-L	47.6	1.7/8"	1"	690F9-16-16
54	2.1/8"	1"	600F9-20-16	47.6	1.7/8"	1"	690F9-16-16	47.6	1.7/8"	1"	690F9-16-16-L
54	2.1/8"	1.1/4"	600F9-20-20	54	2.1/8"	1"	690F9-16-16-L	54	2.1/8"	1"	690F9-20-16
				54	2.1/8"	1"	690F9-20-16-L	54	2.1/8"	1"	690F9-20-16-L
				54	2.1/8"	1.1/4"	690F9-20-20	54	2.1/8"	1.1/4"	690F9-20-20
				54	2.1/8"	1.1/4"	690F9-20-20-L				

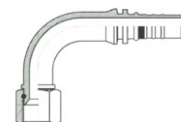
LINHA UNF JIC - Cone de Vedação 37° Interlock



Fêmea Giratória Reta JIC Interlock
Código 600FJ



Fêmea Giratória 45° JIC Interlock
Código 645FJ



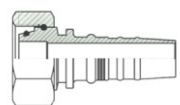
Fêmea Giratória 90° JIC Interlock
Código 690FJ

Rosca	Pol.	Bitola	Código
1.1/16"-12	3/4"	12	600FJ-12-12
1.5/16"-12	1"	16	600FJ-16-16
1.5/8"-12	1.1/4"	20	600FJ-20-20
1.7/8"-12	1.1/2"	24	600FJ-24-24
2.1/2"-12	2"	32	600FJ-32-32

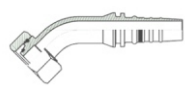
Rosca	Pol.	Bitola	Código
1.1/16"-12	3/4"	12	645FJ-12-12
1.5/8"-12	1.1/4"	20	645FJ-20-20
1.7/8"-12	1.1/2"	24	645FJ-24-24
2.1/2"-12	2"	32	645FJ-32-32

Rosca	Pol.	Bitola	Código
1.1/16"-12	3/4"	12	690FJ-12-12
1.5/16"-12	1"	16	690FJ-16-16
1.5/8"-12	1.1/4"	20	690FJ-20-20
1.7/8"-12	1.1/2"	24	690FJ-24-24
2.1/2"-12	2"	32	690FJ-32-32

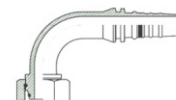
LINHA Métrica Interlock



Fêmea Reta DKO-DIN2353 - Métrica Interlock
Código 600FD



Fêmea 45° DKO-DIN2353 - Métrica Interlock
Código 645FD



Fêmea 90° DKO-DIN2353 - Métrica Interlock
Código 690FD

Rosca	Bitola	Tubo	Código
M36	3/4"	25	600FD-36-12-T25
M52	1.1/2"	38	600FD-52-24-T38
M52	1.1/2"	42	600FD-52-24-T42

Rosca	Bitola	Tubo	Código
M30	3/4"	20	645FD-30-12-T20
M36	3/4"	25	645FD-36-12-T25
M36	1"	25	645FD-36-16-T25

Rosca	Bitola	Tubo	Código
M36	3/4"	25	690FD-36-12-T25
M36	1"	25	690FD-36-16-T25
M42	1.1/4"	30	690FD-42-20-T30
M52	1.1/2"	42	690FD-52-24-T42

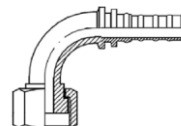
LINHA ORFS Interlock



Fêmea Giratória Reta ORFS
Código 600FO



Fêmea Giratória 45° ORFS
Código 645FO



Fêmea Giratória 90° ORFS
Código 690FO

Rosca	Pol.	Bitola	Código
1.3/16"-12	3/4"	12	600FO-12-12
1.7/16"-12	1"	16	600FO-16-16
1.11/16"-12	1.1/4"	20	600FO-20-20

Rosca	Pol.	Bitola	Código
1.3/16"-12	3/4"	12	645FO-12-12
1.7/16"-12	1"	16	645FO-16-16
1.11/16"-12	1.1/4"	20	645FO-20-20

Rosca	Pol.	Bitola	Código
1.3/16" - 12	3/4"	12	690FO-12-12
1.7/16" - 12	1"	16	690FO-16-16
1.11/16" - 12	1.1/4"	20	690FO-20-20

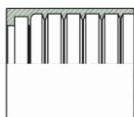
LINHA Emendas Interlock



Emenda para Mangueiras Interlock "Espigão"
Código 600EM

Pol.	Bitola	Código
3/4"	12	600EM-12-12
1"	16	600EM-16-16

CAPAS PARA MANGUEIRAS HIDRÁULICAS DE 1, 2 E 4 TRAMAS DE AÇO

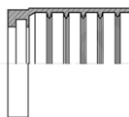


Capas No SKIVE p/ Mangueiras - 1 Trama

Não precisa descascar a cobertura da mangueira na área de prensagem

Código 300T1

Qtde Tramas	Pol.	Bitola	Código
1	3/16"	3	300T1-03
1	1/4"	4	300T1-04
1	5/16"	5	300T1-05

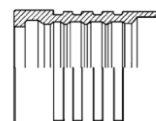


Capas No SKIVE p/ Mangueiras SAE 100 R1AT e R2AT (1 e 2 Tramas)

Não precisa descascar a cobertura da mangueira na área de prensagem

Código 300T2

Qtde Tramas	Pol.	Bitola	Código
1 e 2	1/4"	4	300T2-04
1 e 2	1/4"	4	300T2-04A
1 e 2	5/16"	5	300T2-05
1 e 2	3/8"	6	300T2-06
1 e 2	1/2"	8	300T2-08
1 e 2	5/8"	10	300T2-10
1 e 2	3/4"	12	300T2-12
1 e 2	1"	16	300T2-16
1 e 2	1.1/4"	20	300T2-20
1 e 2	1.1/2"	24	300T2-24
1 e 2	2"	32	300T2-32



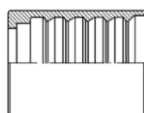
Capas SKIVE p/ Mangueiras SAE 100 R12 e 4SP (4 Tramas)

É necessário descascar a cobertura da mangueira na área de prensagem

Código 300T4

Qtde Tramas	Pol.	Bitola	Código
4	3/8"	6	300T4-06
4	1/2"	8	300T4-08
4	5/8"	10	300T4-10
4	3/4"	12	300T4-12
4	1"	16	300T4-16
4	1.1/4"	20	300T4-20
4	1.1/2"	24	300T4-24
4	2"	32	300T4-32

CAPAS PARA MANGUEIRAS HIDRÁULICAS DE 4 TRAMAS DE AÇO E INTERLOCK

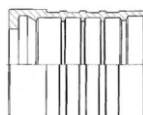


Capas SKIVE p/ Mangueiras 4SH / R12 (4 Tramas)

É necessário descascar a cobertura da mangueira na área de prensagem

Código 300TS

Qtde Tramas	Pol.	Bitola	Código
4	3/4"	12	300TS-12
4	1"	16	300TS-16
4	1.1/4"	20	300TS-20
4	1.1/2"	24	301TS-24

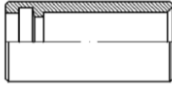



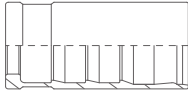
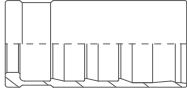
Capas SKIVE Interlock p/ Mangueiras R15 (6 Tramas)

É necessário descascar a cobertura da mangueira na área de prensagem




Código 300T6

Qtde Tramas	Pol.	Bitola	Código
6	3/4"	12	300T6-12
6	1"	16	300T6-16
6	1.1/4"	20	300T6-20
6	1.1/2"	24	300T6-24
6	2"	32	300T6-32




CAPAS PARA MANGUEIRAS TEFLON E TERMOPLÁSTICAS							
							
Capas No SKIVE p/ Mangueiras de Teflon		Capas No SKIVE p/ Mangueiras Termoplásti as SAE 100 R7 e R8					
Não precisa descascar a cobertura da mangueira na área de prensagem		Não precisa descascar a cobertura da mangueira na área de prensagem					
Código 300TF		Código 300R7					
Qtde Tramas	Pol.	Bitola	Código	Qtde Tramas	Pol.	Bitola	Código
1	1/4"	4	300TF-04	1	1/4"	4	300R7-04
1	5/16"	5	300TF-05	1	3/8"	6	300R7-06
1	3/8"	6	300TF-06	1	1/2"	8	300R7-08
1	1/2"	8	300TF-08				
1	5/8"	10	300TF-10				
1	3/4"	12	300TF-12				

CAPAS PARA MANGUEIRAS HIDRÁULICAS TRAÇADO TEXTIL (LONA)							
							
Capas No SKIVE p/ Mangueiras R3		Capas No SKIVE p/ Mangueiras R6					
Não precisa descascar a cobertura da mangueira na área de prensagem		Não precisa descascar a cobertura da mangueira na área de prensagem					
Código 300R3		Código 300R6					
Qtde Tramas	Pol.	Bitola	Código	Qtde Tramas	Pol.	Bitola	Código
2	1"	16	300R3-16	1	3/8"	6	300R6-06
				1	1/2"	8	300R6-08
				1	5/8"	10	300R6-10
				1	3/4"	12	300R6-12
				1	1"	16	300R6-16

MANGUEIRAS HIDRÁULICAS SAE 100 DE 1, 2 E 4 TRAMAS

											
01 Trama de Aço				02 Tramas de Aço				04 Tramas de Aço.			
Código R1AT				Código R2AT				Código 4SH			
Pol.	BAR	PSI	Código	Pol.	BAR	PSI	Código	Pol.	BAR	PSI	Código
1/4"	225	3260	R1AT-04	1/4"	400	5800	R2AT-04	5/8"	350	5075	4SH-10
3/8"	180	2650	R1AT-06	3/8"	330	4785	R2AT-06	3/4"	420	6090	4SH-12
1/2"	160	2320	R1AT-08	1/2"	275	4000	R2AT-08	1"	380	5510	4SH-16
5/8"	130	1880	R1AT-10	5/8"	250	3630	R2AT-10	1.1/4"	325	4715	4SH-20
3/4"	105	1550	R1AT-12	3/4"	215	3120	R2AT-12				
1"	88	1275	R1AT-16	1"	165	2390	R2AT-16				
1.1/4"	63	920	R1AT-20	1.1/4"	125	1820	R2AT-20				
1.1/2"	50	730	R1AT-24	1.1/2"	90	1310	R2AT-24				
2"	50	580	R1AT-32	2"	80	1160	R2AT-32				

MANGUEIRAS HIDRÁULICAS DE 4 E 6 TRAMAS

											
04 Tramas de Aço.				04 Tramas de Aço				06 Tramas de Aço			
Código R12				Código R15				Código R15			
Pol.	BAR	PSI	Código	Pol.	BAR	PSI	Código	Pol.	BAR	PSI	Código
3/8"	280	4060	R12-06	3/4"	420	6090	R15-12	1.1/4"	420	6090	R15-20
1/2"	280	4060	R12-08	1"	420	6090	R15-16				
5/8"	280	4060	R12-10	1.1/4"	420	6090	R15-20				
3/4"	280	4060	R12-12								
1"	280	4060	R12-16								
1.1/4"	210	3045	R12-20								

MANGUEIRAS HIDRÁULICAS DE 1 TRAMA LISA

			
01 Trama de Aço Lisa			
Código R17			
Pol.	BAR	PSI	Código
1/4"	210	3040	R17-04
3/8"	210	3040	R17-06

Mangueira Hidraulica de 1 e trama lona

			
01 Tramas de Lona			
Código da R6			
Pol.	BAR	PSI	Código
1/4"	28	406	R6-04
5/16"	28	406	R6-05
3/8"	28	406	R6-06
1/2"	28	406	R6-08
5/8"	21	305	R6-10
3/4"	21	305	R6-12
1"	20	290	R6-16