

BelFit

Mangueiras e Terminais





Belenus
Parafusos e Porcas

LINHA DE **FIXADORES**

REVENDA

MADEIRA

AUTO

MECÂNICA

**OFF
SHORE**

Teleendas

(19) 3517-7000

www.belenus.com.br



BELENUS

Com sólida trajetória no mercado nacional, a Belenus se destaca em relação à inovação em fabricação de fixadores e fortes parcerias com grandes empresas nacionais e internacionais, acompanhando as tendências e modernização em seu mix.

CERTIFICAÇÕES

As Certificações ISO 9001:2008 e ISO/TS 16949:2009, atestam a qualidade dos sistemas de gestão da empresa e mostram uma equipe de profissionais altamente qualificada para desenvolvimento de produtos de última geração, visando atender às expectativas de seus clientes e parceiros.



BELFIT

Linha de terminais, adaptadores e mangueiras hidráulicas, distribuída e comercializada exclusivamente pela Belenus. Os terminais são fabricados em aço carbono e acabamento zincado, produzidos em peças únicas sem solda conforme padrões internacionais. Com preços competitivos aliados a qualidade, a Belfit disponibiliza variada gama de mangueiras e terminais com a marca própria.



TRANS ELEVADOR

Tecnologia focada em resultados. Esta é uma das premissas da Belenus para fidelizar e satisfazer seus mais de 20 mil clientes em diferentes segmentos, de todo território nacional, oferecendo soluções eficientes para a indústria e construção civil.

Para dispor de um catálogo com mais de 30 mil itens entre fixadores, ferramentas, terminais, mangueiras e equipamentos para diversas aplicações, a empresa investe continuamente em seu sistema de armazenamento inteligente.

LOGÍSTICA INTEGRADA

A Belenus realiza a maior parte de suas entregas com frota própria, gerando comodidade ao cliente e agilidade na entrega de materiais e produtos. Parcerias bem-sucedidas com empresas logísticas de ponta, estendem a cobertura de entrega Belenus para todo o território nacional.

A Belenus conta ainda com uma frota nova e com grande variedade e capacidade de carga, facilitando a distribuição dos produtos nos mais diversos pontos e comércios do país.



ESTOQUE E VARIEDADE

Com uma vasta quantidade de produtos, aliada a eficiência de atendimento e logística, a Belenus é referência de mercado. São mais de 30 mil itens e 300 representantes de vendas alocados em todo o país.

Com a mesma excelência dos Fixadores Belenus, já consagrados no mercado, a BelFit alia qualidade e preços competitivos, sendo encontrados em milhares de pontos de venda do Brasil.



TERMINAIS STANDARD

PÁGINA	CÓDIGO	DESCRIÇÃO
11	CPR7	CAPA PRENSADA PARA MANGUEIRA R7/ R8 (NO SKIVE)
11	CPTF	CAPA PRENSADA PARA MANGUEIRA TEFLON (NO SKIVE)
11	CPT2210	CAPA PRENSADA PARA MANGUEIRA SAE100 R2AT (NO SKIVE)
12	CPT	CAPA PRENSADA PARA MANGUEIRA SAE100 R1AT/R2AT (NO SKIVE)
12	CPE	CAPA PRENSADA PARA MANGUEIRA R12 / 4SP / 4SH (SKIVE)
12	CPE402	CAPA PRENSADA RAIADA PARA MANGUEIRA R12 / 4SH (SKIVE)
13	TSMJ	MACHO FIXO UNF JIC 37°
14	TSFJ	FÊMEA GIRATÓRIA RETA UNF JIC 37°
15	TSFJ45	FÊMEA GIRATÓRIA CURVA 45° UNF JIC 37°
16	TSFJ90	FÊMEA GIRATÓRIA CURVA 90° UNF JIC 37°
17	TSFJ90L	FÊMEA GIRATÓRIA CURVA 90° LONGA UNF JIC 37°
17	TSFJS	FÊMEA GIRATÓRIA RETA UNF JIC 45°
17	TSFJS90	FÊMEA GIRATÓRIA CURVA 90° UNF JIC 45°
18	TSMKTSU	MACHO FIXO MÉTRICO KOMATSU
18	TSFKTSU	FÊMEA GIRATÓRIA MÉTRICA KOMATSU
18	TSFKTSU90	FÊMEA GIRATÓRIA CURVA 90° MÉTRICA KOMATSU
19	TSM	MACHO MÉTRICO PARA TUBO - SÉRIE LEVE
20	TSM	MACHO MÉTRICO PARA TUBO - SÉRIE PESADA
21	TSFDKO	FÊMEA GIRATÓRIA MÉTRICA RETA DKO - SÉRIE LEVE
22	TSFDKO	FÊMEA GIRATÓRIA MÉTRICA RETA DKO - SÉRIE PESADA
23	TSFDKO45	FÊMEA GIRATÓRIA MÉTRICA CURVA 45° DKO - SÉRIE LEVE
23	TSFDKO45	FÊMEA GIRATÓRIA MÉTRICA CURVA 45° DKO - SÉRIE PESADA
24	TSFDKO90	FÊMEA GIRATÓRIA MÉTRICA CURVA 90° DKO - SÉRIE LEVE
25	TSFDKO90	FÊMEA GIRATÓRIA MÉTRICA CURVA 90° DKO - SÉRIE PESADA
26	TSMMP	MACHO RETO MÉTRICO POCLAIN
26	TSFDKOP	FÊMEA MÉTRICA POCLAIN
27	TSMP	MACHO FIXO NPT
27	TSFF	FÊMEA FIXA NPT
28	TSMO	MACHO FIXO O'RING - UNF
28	TSMSP	MACHO FIXO SEDE PLANA - ORFS
29	TSFSP	FÊMEA GIRATÓRIA RETA SEDE PLANA - ORFS
29	TSFSP45	FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA - ORFS
30	TSFSP90	FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA - ORFS
30	TSFSP90L	FÊMEA GIRATÓRIA CURVA 90° LONGA SEDE PLANA - ORFS
31	TSFSPM	FÊMEA GIRATÓRIA RETA SEDE PLANA ORFS MÉTRICA
31	TSFSPM45	FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA ORFS MÉTRICA
32	TSFSPM90	FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA ORFS MÉTRICA
32	TSFSPB	FÊMEA GIRATÓRIA RETA ROSCA BSP
33	TSFSPB90	FÊMEA GIRATÓRIA CURVA 90° ROSCA BSP
33	TSMB	MACHO FIXO BSP
34	TSFB	FÊMEA GIRATÓRIA BSP
35	TSFB45	FÊMEA GIRATÓRIA CURVA 45° BSP
35	TSFB90	FÊMEA GIRATÓRIA CURVA 90° BSP
36	TSFBM	FÊMEA GIRATÓRIA RETA MÉTRICA BOLEADA - SEDE UNIVERSAL
36	TSFBM45	FÊMEA GIRATÓRIA CURVA 45° MÉTRICA BOLEADA - SEDE UNIVERSAL
36	TSFBM90	FÊMEA GIRATÓRIA CURVA 90° MÉTRICA BOLEADA - SEDE UNIVERSAL
37	TSFBJ	FÊMEA GIRATÓRIA RETA BSP/JIC CÔNICO 30°
37	TCFB90	FÊMEA GIRATÓRIA COMPACTA BSP CÔNICO 60°
38	TSF3	FLANGE RETA CÓD. 61 3000 PSI
38	TSF345	FLANGE CURVA 45° CÓD. 61 3000 PSI

TERMINAIS STANDARD

PÁGINA	CÓDIGO	DESCRIÇÃO
39	TSF390	FLANGE CURVA 90° CÓD. 61 3000 PSI
39	TSF390L	FLANGE CURVA 90° LONGA CÓD. 61 3000 PSI
40	TSF6	FLANGE RETA CÓD. 62 6000 PSI
40	TSF645	FLANGE CURVA 45° CÓD. 62 6000 PSI
41	TSF690	FLANGE CURVA 90° CÓD. 62 6000 PSI
41	TSF690L	FLANGE CURVA 90° LONGA CÓD. 62 6000 PSI
42	TSFC	FLANGE RETA CAT 9000 PSI
42	TSFC45	FLANGE CURVA 45° CAT 9000 PSI
42	TSFC90	FLANGE CURVA 90° CAT 9000 PSI
43	TSPL	PONTA LISA RETA
44	TSPL90	PONTA LISA CURVA 90°
44	TSEM	EMENDA HIDRÁULICA
45	TSOL	OLHAL RETO - MÉTRICO
45	TSBOL	OLHAL RETO - BSP
46	TSSV	PINO SALVA VIDAS
46	TSKARCHER	FÊMEA GIRATÓRIA KARCHER

TERMINAIS INTERLOCK

PÁGINA	CÓDIGO	DESCRIÇÃO
49	CPEI	CAPA PRENSADA INTERLOCK PARA MANGUEIRA 4SH/ R13 (SKIVE)
49	TIF3	FLANGE RETA CÓD. 613000 PSI - INTERLOCK
50	TIF345	FLANGE CURVA 45° CÓD. 61 3000 PSI - INTERLOCK
50	TIF390	FLANGE CURVA 90° CÓD. 61 3000 PSI - INTERLOCK
51	TIF6	FLANGE RETA CÓD. 62 6000 PSI - INTERLOCK
51	TIF645	FLANGE CURVA 45° CÓD. 62 6000 PSI - INTERLOCK
52	TIF690	FLANGE CURVA 90° CÓD. 62 6000 PSI - INTERLOCK
52	TIFC	FLANGE RETA SUPERCAT 9000 PSI - INTERLOCK
53	TIFC45	FLANGE CURVA 45° SUPERCAT 9000 PSI - INTERLOCK
53	TIFC90	FLANGE CURVA 90° SUPERCAT 9000 PSI - INTERLOCK
53	TIFC90L	FLANGE CURVA 90° LONGA SUPERCAT 9000 PSI - INTERLOCK
54	TIFJ	FÊMEA GIRATÓRIA RETA UNF JIC 37° - INTERLOCK
54	TIFJ45	FÊMEA GIRATÓRIA CURVA 45° UNF JIC 37° - INTERLOCK
54	TIFJ90	FÊMEA GIRATÓRIA CURVA 90° JIC 37° INTERLOCK
55	TIMP	MACHO FIXO NPT - INTERLOCK
55	TIFSP	FÊMEA GIRATÓRIA RETA SEDE PLANA (ORFS) - INTERLOCK
55	TIFSP45	FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA (ORFS) - INTERLOCK
56	TIFSP90	FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA (ORFS) - INTERLOCK
56	TIMM	MACHO MÉTRICO PARA TUBO - INTERLOCK
56	TIFDKO	FÊMEA GIRATÓRIA RETA MÉTRICA DKO - INTERLOCK
57	TIFDKO45	FÊMEA GIRATÓRIA CURVA 45° MÉTRICA DKO - INTERLOCK
57	TIFDKO90	FÊMEA GIRATÓRIA CURVA 90° MÉTRICA DKO - INTERLOCK
58	TIFB	FÊMEA GIRATÓRIA RETA BSP - INTERLOCK
58	TIFB45	FÊMEA GIRATÓRIA CURVA 45° BSP - INTERLOCK
58	TIFB90	FÊMEA GIRATÓRIA CURVA 90° BSP - INTERLOCK



ACESSÓRIOS

PÁGINA	CÓDIGO	DESCRIÇÃO
60	ACSPLIT3	SPLIT FLANGE COD. 61
60	ACSPLIT6	SPLIT FLANGE COD. 62

ADAPTADORES

PÁGINA	CÓDIGO	DESCRIÇÃO
63	ADMJMJ	ADAPTADOR RETO MACHO JIC 37° X MACHO JIC 37°
64	AD90MJMJ	ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO JIC 37°
64	ADMJMJL	ADAPTADOR RETO MACHO JIC 37° X MACHO JIC 37°
64	AD90MJMJL	ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO JIC 37°
65	ADMJFJ	ADAPTADOR RETO MACHO JIC 37° X FÊMEA JIC 37°
65	AD45MJFJ	ADAPTADOR CURVA 45° MACHO JIC 37° X FÊMEA JIC 37°
66	AD90MJFJ	ADAPTADOR CURVA 90° MACHO JIC 37° X FÊMEA JIC 37°
67	ADMJMO	ADAPTADOR RETO MACHO UNF X MACHO JIC 37° COM O'RING
68	AD45MJMO	ADAPTADOR CURVA 45° MACHO UNF X MACHO JIC 37° COM O'RING
69	AD90MJMO	ADAPTADOR CURVA 90° MACHO UNF X MACHO JIC 37° COM O'RING
70	ADMJMM	ADAPTADOR RETO MACHO JIC 37° X MACHO MÉTRICO COM O'RING
70	AD45MJMM	ADAPTADOR CURVA 45° MACHO JIC 37° X MACHO MÉTRICO COM O'RING
71	AD90MJMM	ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO MÉTRICO COM O'RING
71	ADMJMSP	ADAPTADOR RETO MACHO JIC 37° X MACHO ORFS SEDE PLANA
72	ADMJFF	ADAPTADOR RETO MACHO JIC 37° X FÊMEA FIXA NPT
72	AD90MJFF	ADAPTADOR CURVA 90° MACHO JIC 37° X FÊMEA FIXA NPT
73	ADMJMB	ADAPTADOR RETO MACHO JIC 37° X MACHO BSP COM O'RING
74	AD45MJMB	ADAPTADOR CURVA 45° MACHO JIC 37° X MACHO BSP COM O'RING
75	AD90MJMB	ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO BSP COM O'RING
76	ADMJFL3	ADAPTADOR RETO MACHO JIC 37° X FLANGE CÓD 61
76	AD45MJFL3	ADAPTADOR CURVA 45° MACHO JIC 37° X FLANGE CÓD 61
77	AD90MJFL3	ADAPTADOR CURVA 90° MACHO JIC 37° X FLANGE CÓD 61
77	ADMJFL6	ADAPTADOR RETO MACHO JIC 37° X FLANGE CÓD 62
78	AD45MJFL6	ADAPTADOR CURVA 45° MACHO JIC 37° X FLANGE CÓD 62
78	AD90MJFL6	ADAPTADOR CURVA 90° MACHO JIC 37° X FLANGE CÓD 62
79	ADMJS	ADAPTADOR MACHO SOLDA JIC 37°
79	ADCMJ	ADAPTADOR CRUZETA MACHO JIC 37°
80	ADMPMP	ADAPTADOR RETO MACHO NPT X MACHO NPT
80	AD45MPMP	ADAPTADOR CURVA 45° MACHO NPT X MACHO NPT
81	AD90MPMP	ADAPTADOR CURVA 90° MACHO NPT X MACHO NPT
82	ADMPFF	ADAPTADOR RETO MACHO NPT X FÊMEA NPT
83	AD45MPFF	ADAPTADOR CURVA 45° MACHO NPT X FÊMEA NPT
83	AD90MPFF	ADAPTADOR CURVA 90° MACHO NPT X FÊMEA NPT
84	ADFFFF	ADAPTADOR RETO FÊMEA NPT X FÊMEA NPT
84	AD90FFFF	ADAPTADOR CURVA 90° FÊMEA NPT X FÊMEA NPT
85	ADMPMJ	ADAPTADOR RETO MACHO NPT X MACHO JIC 37°
86	AD45MPMJ	ADAPTADOR CURVA 45° MACHO NPT X MACHO JIC 37°
87	AD90MPMJ	ADAPTADOR CURVA 90° MACHO NPT X MACHO JIC 37°
88	ADMPFJ	ADAPTADOR RETO MACHO NPT X FÊMEA JIC 37°
89	ADMBFB	ADAPTADOR RETO MACHO BSP X FÊMEA BSP COM O'RING
90	ADMBMB	ADAPTADOR RETO MACHO BSP X MACHO BSP COM O'RING
90	ADMBMSP	ADAPTADOR RETO MACHO BSP X MACHO ORFS COM O'RING



ADAPTADORES

PÁGINA	CÓDIGO	DESCRIÇÃO
91	ADMBFSP	ADAPTADOR RETO MACHO BSP X FÊMEA ORFS COM O'RING
91	ADMSPMSP	ADAPTADOR RETO MACHO ORFS X MACHO ORFS SEDE PLANA
92	AD90MSPMSP	ADAPTADOR CURVA 90° MACHO ORFS X MACHO ORFS SEDE PLANA
92	ADMSPMSPL	ADAPTADOR RETO MACHO ORFS X MACHO ORFS PAINEL / LONGO
93	AD90MSPMSPL	ADAPTADOR CURVA 90° MACHO ORFS X MACHO ORFS PAINEL / LONGO
93	ADMSPFSP	ADAPTADOR RETO MACHO ORFS X FÊMEA ORFS SEDE PLANA
94	AD45MSPFSP	ADAPTADOR CURVA 45° MACHO ORFS X FÊMEA ORFS SEDE PLANA
94	AD90MSPFSP	ADAPTADOR CURVA 90° MACHO ORFS X FÊMEA ORFS SEDE PLANA
94	ADFSPFSP	ADAPTADOR RETO FÊMEA ORFS X FÊMEA ORFS SEDE PLANA
95	ADMSPMO	ADAPTADOR RETO MACHO ORFS X MACHO UNF COM O'RING
96	AD90MSPMO	ADAPTADOR CURVA 90° MACHO ORFS X MACHO UNF ORIENTÁVEL COM O'RING
97	ADMSPMP	ADAPTADOR RETO MACHO ORFS X MACHO NPT
98	ADMSPMB	ADAPTADOR RETO MACHO ORFS X MACHO BSP COM O'RING
99	ADMSPMM	ADAPTADOR RETO MACHO ORFS X MACHO MÉTRICO
100	ADTEEMJ	ADAPTADOR TEE MACHO JIC 37°
100	ADTEEMJFJC	ADAPTADOR TEE MACHO JIC 37° X FÊMEA JIC 37° CENTRAL
101	ADTEEMJFJL	ADAPTADOR TEE MACHO JIC 37° X FÊMEA JIC 37° LATERAL
101	ADTEEMJMPC	ADAPTADOR TEE MACHO JIC 37° X MACHO NPT CENTRAL
102	ADTEEMJMPL	ADAPTADOR TEE MACHO JIC 37° X MACHO NPT LATERAL
102	ADTEEMJFFC	ADAPTADOR TEE MACHO JIC 37° X FÊMEA NPT CENTRAL
103	ADTEEMJFFL	ADAPTADOR TEE MACHO JIC 37° X FÊMEA NPT LATERAL
104	ADTEEMJMOC	ADAPTADOR TEE MACHO JIC 37° X MACHO UNF CENTRAL ORIENTÁVEL
105	ADTEEMJMOL	ADAPTADOR TEE MACHO JIC 37° X MACHO UNF LATERAL ORIENTÁVEL
106	ADTEEMP	ADAPTADOR TEE MACHO NPT
106	ADTEEFF	ADAPTADOR TEE FÊMEA NPT
106	ADTEEMSP	ADAPTADOR TEE MACHO ORFS
107	ADTEEMSPMOC	ADAPTADOR TEE MACHO ORFS X MACHO UNF CENTRAL ORIENTÁVEL
108	ADTEEMSPMBC	ADAPTADOR TEE MACHO ORFS X MACHO BSP CENTRAL ORIENTÁVEL
109	ADMJ	TAMPÃO MACHO JIC 37° SEXTAVADO EXTERNO
109	ADFJ	TAMPÃO FÊMEA JIC 37° SEXTAVADO EXTERNO
109	ADMB	TAMPÃO MACHO BSP SEXTAVADO EXTERNO
110	ADMBSI	TAMPÃO MACHO BSP SEXTAVADO INTERNO
110	ADMSP	TAMPÃO MACHO SEDA PLANA (ORFS) SEXTAVADO EXTERNO
110	ADFSP	TAMPÃO FÊMEA SEDE PLANA (ORFS) SEXTAVADO EXTERNO
111	ADMP	TAMPÃO MACHO NPT SEXTAVADO EXTERNO
111	ADFF	TAMPÃO FÊMEA NPT SEXTAVADO EXTERNO
112	ADMOSE	TAMPÃO MACHO O'RING UNF SEXTAVADO EXTERNO
112	ADMOSI	TAMPÃO MACHO O'RING UNF SEXTAVADO INTERNO
113	ADMMSI	TAMPÃO MACHO MÉTRICO SEXTAVADO INTERNO
113	ADT	TAMPÃO PARA TUBO
114	ADMMLSE	TAMPÃO MACHO PARA TUBO SEXTAVADO EXTERNO
114	ADMMLSI	TAMPÃO MACHO PARA TUBO SEXTAVADO INTERNO

CONEXÕES DIN

PÁGINA	CÓDIGO	DESCRIÇÃO
117	AA	ANILHA
118	PA	PORCA DIN
119	UMA BSP	CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA BSP COM ANEL VEDAÇÃO



CONEXÕES DIN

PÁGINA	CÓDIGO	DESCRIÇÃO
120	UMA MM	CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA MÉTRICA COM ANEL VEDAÇÃO
121	UMA UNF	CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA UNF COM ANEL O'RING
122	UMA NPT	CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA NPT
123	UFA BSP	CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA BSP
123	UFA	CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA MÉTRICA
124	UFA NPT	CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA NPT
124	MAMA NPT	CONEXÃO RETA MACHO ROSCA NPT X FÊMEA DKO
125	MAMA BSP	CONEXÃO RETA MACHO ROSCA BSP COM ANEL DE VEDAÇÃO X FÊMEA DKO
125	MAMA MM	CONEXÃO RETA MACHO ROSCA MÉTRICA COM ANEL DE VEDAÇÃO X FÊMEA DKO
126	JMA	CONEXÃO 90° ROSCA NPT
127	TMA	CONEXÃO TEE MACHO CENTRAL ROSCA NPT
127	TVA NPT	CONEXÃO TEE MACHO LATERAL ROSCA NPT
128	TVA BSP	CONEXÃO TEE LATERAL MACHO ROSCA BSP ORIENTÁVEL
128	UDA	CONEXÃO IGUAL RETA
129	UCA	CONEXÃO IGUAL RETA PAINEL
129	JCA	CONEXÃO IGUAL 90° PAINEL
130	JIA	CONEXÃO IGUAL 90°
131	TIA	CONEXÃO TEE IGUAL
131	UDRA	CONEXÃO REDUÇÃO RETA
132	MJLA	CONEXÃO 90° FÊMEA DKO
132	MTVLA	CONEXÃO TEE LATERAL FÊMEA DKO
133	MTLA	CONEXÃO TEE CENTRAL FÊMEA DKO
133	MATA	CONEXÃO REDUÇÃO RETA MACHO X FÊMEA
134	MALA	CONEXÃO EMENDA DKO
135	JOA BSP	CONEXÃO 90° MACHO ORIENTÁVEL ROSCA BSP
136	JOA UNF	CONEXÃO 90° MACHO ORIENTÁVEL ROSCA UNF

MANGUEIRAS HIDRÁULICAS

PÁGINA	CÓDIGO	DESCRIÇÃO
139	1SN-R1AT	SAE 100 R1AT/1SN ISO1436-1 - EN 853
139	2SN-R2AT	SAE 100 R2AT/2SN ISO1436-1 - EN 853
140	R17	SAE 100 R17
140	R12	SAE 100 R12
141	4SP	EN 856 4SP
141	4SH	EN 856 4SH
142	R13	SAE 100 R13
142	R15	SAE 100 R15

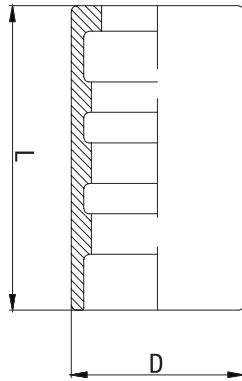
INFORMAÇÕES TÉCNICAS

PÁGINA	DESCRIÇÃO
143	MEDIDAS E CONVERSÕES



CPR7

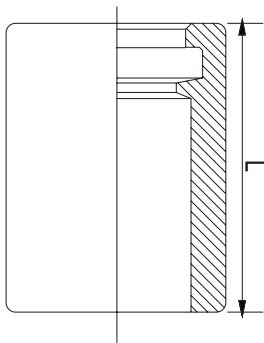
CAPA PRENSADA PARA MANGUEIRA R7/ R8 (NO SKIVE)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	TRAÇO
CPR7-04	06	04	1/4"
CPR7-06	10	06	3/8"
CPR7-08	12	08	1/2"

CPTF

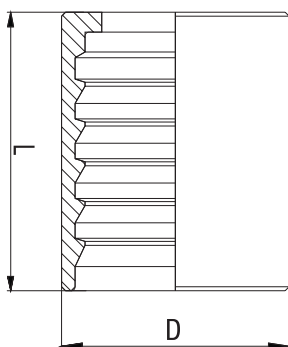
CAPA PRENSADA PARA MANGUEIRA TEFLON®/SAE100R14 (NO SKIVE)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	TRAÇO
CPTF-08	12	08	1/2"
CPTF-10	16	10	5/8"
CPTF-12	20	12	3/4"

CPT2210

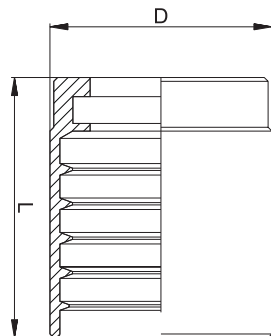
CAPA PRENSADA PARA MANGUEIRA SAE100 R2AT (NO SKIVE)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	POL.
CPT2210-04	06	04	1/4"
CPT2210-06	10	06	3/8"
CPT2210-08	12	08	1/2"
CPT2210-10	16	10	5/8"
CPT2210-12	20	12	3/4"
CPT2210-16	25	16	1"
CPT2210-20	32	20	1.1/4"
CPT2210-24	40	24	1.1/2"
CPT2210-32	50	32	2"

CPT

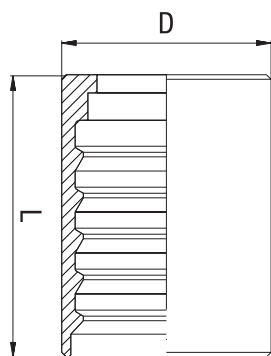
CAPA Prensada para Mangueira SAE100 R1AT/R2AT (NO SKIVE)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	POL.
CPT-04	06	04	1/4"
CPT-06	10	06	3/8"
CPT-08	12	08	1/2"
CPT-10	16	10	5/8"
CPT-12	20	12	3/4"
CPT-16	25	16	1"
CPT-20	32	20	1.1/4"
CPT-24	40	24	1.1/2"
CPT-32	50	32	2"

CPE

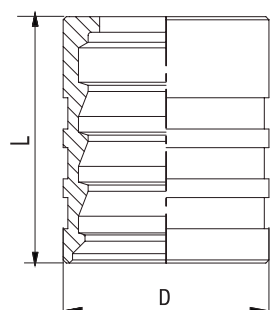
CAPA Prensada para Mangueira R12 / 4SP / 4SH (SKIVE)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	POL.
CPE-08	12	08	1/2"
CPE-10	16	10	5/8"
CPE-12	20	12	3/4"
CPE-16	25	16	1"
CPE-20	32	20	1.1/4"
CPE-24	40	24	1.1/2"
CPE-32	50	32	2"

CPE402

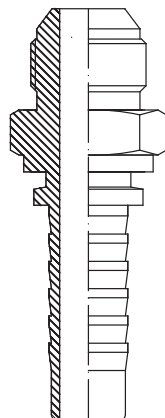
CAPA Prensada RAIADA para Mangueira R12 / 4SH (SKIVE)



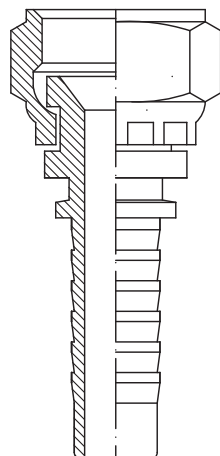
CÓDIGO	MANGUEIRA		
	DN	TRAÇO	POL.
CPE-08	12	08	1/2"
CPE-10	16	10	5/8"
CPE-12	20	12	3/4"
CPE-16	25	16	1"
CPE-20	32	20	1.1/4"
CPE-24	40	24	1.1/2"
CPE-32	50	32	2"

TSMJ

MACHO FIXO UNF JIC 37° SAE J514



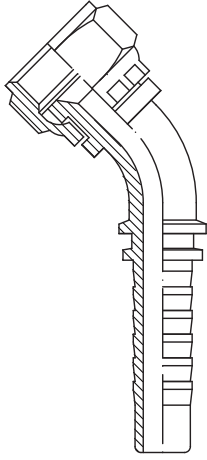
CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSMJ-04-04	7/16"X20	06	04	1/4"
TSMJ-05-04	1/2"X20	06	04	1/4"
TSMJ-06-04	9/16"X18	06	04	1/4"
TSMJ-06-06	9/16"X18	10	06	3/8"
TSMJ-06-08	9/16"X18	12	08	1/2"
TSMJ-08-06	3/4"X16	10	06	3/8"
TSMJ-08-08	3/4"X16	12	08	1/2"
TSMJ-10-06	7/8"X14	10	06	3/8"
TSMJ-10-08	7/8"X14	12	08	1/2"
TSMJ-10-10	7/8"X18	16	10	5/8"
TSMJ-12-08	1.1/16"X12	12	08	1/2"
TSMJ-12-10	1.1/16"X12	16	10	5/8"
TSMJ-12-12	1.1/16"X12	20	12	3/4"
TSMJ-12-16	1.1/16"X12	25	16	1"
TSMJ-14-12	1.3/16"X12	20	12	3/4"
TSMJ-16-12	1.5/16"X12	20	12	3/4"
TSMJ-16-16	1.5/16"X12	25	16	1"
TSMJ-20-16	1.5/8"X12	25	16	1"
TSMJ-20-20	1.5/8"X12	32	20	1.1/4"
TSMJ-24-20	1.7/8"X12	32	20	1.1/4"
TSMJ-24-24	1.7/8"X12	40	24	1.1/2"
TSMJ-32-24	2.1/2"X12	40	24	1.1/2"
TSMJ-32-32	2.1/2"X12	50	32	2"

TSFJ
FÊMEA GIRATÓRIA RETA UNF JIC 37°
 SAE J514


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFJ-04-04	7/16"X20	06	04	1/4"
TSFJ-04-06	7/16"X20	10	06	3/8"
TSFJ-05-04	1/2"X20	06	04	1/4"
TSFJ-05-06	1/2"X20	10	06	3/8"
TSFJ-06-04	9/16"X18	06	04	1/4"
TSFJ-06-06	9/16"X18	10	06	3/8"
TSFJ-06-08	9/16"X18	12	08	1/2"
TSFJ-08-04	3/4"X16	06	04	1/4"
TSFJ-08-06	3/4"X16	10	06	3/8"
TSFJ-08-08	3/4"X16	12	08	1/2"
TSFJ-08-10	3/4"X16	16	10	5/8"
TSFJ-08-12	3/4"X16	20	12	3/4"
TSFJ-10-06	7/8"X14	10	06	3/8"
TSFJ-10-08	7/8"X14	12	08	1/2"
TSFJ-10-10	7/8"X14	16	10	5/8"
TSFJ-10-12	7/8"X14	20	12	3/4"
TSFJ-12-08	1.1/16"X12	12	08	1/2"
TSFJ-12-10	1.1/16"X12	16	10	5/8"
TSFJ-12-12	1.1/16"X12	20	12	3/4"
TSFJ-12-16	1.1/16"X12	25	16	1"
TSFJ-14-12	1.3/16"X12	20	12	3/4"
TSFJ-16-12	1.5/16"X12	20	12	3/4"
TSFJ-16-16	1.5/16"X12	25	16	1"
TSFJ-16-20	1.5/16"X12	32	20	1.1/4"
TSFJ-20-16	1.5/8"X12	25	16	1"
TSFJ-20-20	1.5/8"X12	32	20	1.1/4"
TSFJ-24-20	1.7/8"X12	32	20	1.1/4"
TSFJ-24-24	1.7/8"X12	40	24	1.1/2"
TSFJ-32-24	2.1/2"X12	40	24	1.1/2"
TSFJ-32-32	2.1/2"X12	50	32	2"

TSFJ45

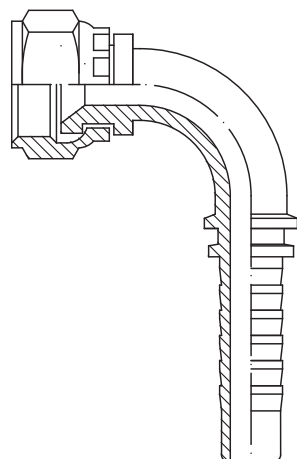
FÊMEA GIRATÓRIA CURVA 45° UNF JIC 37° SAE J514



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFJ45-04-04	7/16"X20	06	04	1/4"
TSFJ45-05-04	1/2"X20	06	04	1/4"
TSFJ45-05-06	1/2"X20	10	06	3/8"
TSFJ45-06-04	9/16"X18	06	04	1/4"
TSFJ45-06-06	9/16"X18	10	06	3/8"
TSFJ45-08-06	3/4"X16	10	06	3/8"
TSFJ45-08-08	3/4"X16	12	08	1/2"
TSFJ45-10-06	7/8"X14	10	06	3/8"
TSFJ45-10-08	7/8"X14	12	08	1/2"
TSFJ45-10-10	7/8"X14	16	10	5/8"
TSFJ45-10-12	7/8"X14	20	12	3/4"
TSFJ45-12-08	1.1/16"X12	12	08	1/2"
TSFJ45-12-10	1.1/16"X12	16	10	5/8"
TSFJ45-12-12	1.1/16"X12	20	12	3/4"
TSFJ45-14-12	1.3/16"X12	20	12	3/4"
TSFJ45-16-12	1.5/16"X12	20	12	3/4"
TSFJ45-16-16	1.5/16"X12	25	16	1"
TSFJ45-20-16	1.5/8"X12	25	16	1"
TSFJ45-20-20	1.5/8"X12	32	20	1.1/4"
TSFJ45-24-20	1.7/8"X12	32	20	1.1/4"
TSFJ45-24-24	1.7/8"X12	40	24	1.1/2"
TSFJ45-32-32	2.1/2"X12	50	32	2"

TSFJ90

FÊMEA GIRATÓRIA CURVA 90° UNF JIC 37° SAE J514

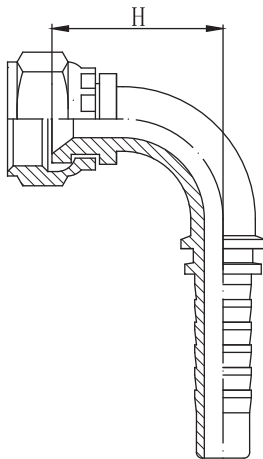


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFJ90-04-04	7/16"X20	06	04	1/4"
TSFJ90-04-06	7/16"X20	10	06	3/8"
TSFJ90-05-04	1/2"X20	06	04	1/4"
TSFJ90-05-06	1/2"X20	10	06	3/8"
TSFJ90-06-04	9/16"X18	06	04	1/4"
TSFJ90-06-06	9/16"X18	10	06	3/8"
TSFJ90-08-04	3/4"X16	06	04	1/4"
TSFJ90-08-06	3/4"X16	10	06	3/8"
TSFJ90-08-08	3/4"X16	12	08	1/2"
TSFJ90-08-08	3/4"X16	12	08	1/2"
TSFJ90-10-06	7/8"X14	10	06	3/8"
TSFJ90-10-08	7/8"X14	12	08	1/2"
TSFJ90-10-10	7/8"X14	16	10	5/8"
TSFJ90-10-12	7/8"X14	20	12	3/4"
TSFJ90-12-08	1.1/16"X12	12	08	1/2"
TSFJ90-12-10	1.1/16"X12	16	10	5/8"
TSFJ90-12-12	1.1/16"X12	20	12	3/4"
TSFJ90-14-12	1.3/16"X12	20	12	3/4"
TSFJ90-16-12	1.5/16"X12	20	12	3/4"
TSFJ90-16-16	1.5/16"X12	25	16	1"
TSFJ90-20-16	1.5/8"X12	25	16	1"
TSFJ90-20-20	1.5/8"X12	32	20	1.1/4"
TSFJ90-24-20	1.7/8"X12	32	20	1.1/4"
TSFJ90-24-24	1.7/8"X12	40	24	1.1/2"
TSFJ90-32-32	2.1/2"X12	50	32	2"

TSFJ90L

FÊMEA GIRATÓRIA CURVA 90° LONGA UNF JIC 37°

SAE J514

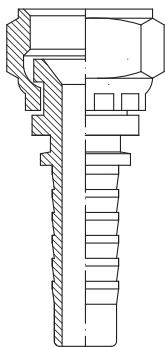


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFJ90L-04-04	7/16"X20	06	04	1/4"
TSFJ90L-05-04	1/2"X20	06	04	1/4"
TSFJ90L-06-04	9/16"X18	06	04	1/4"
TSFJ90L-08-06	3/4"X16	10	06	3/8"
TSFJ90L-08-08	3/4"X16	12	08	1/2"
TSFJ90L-10-08	7/8"X14	12	08	1/2"
TSFJ90L-10-10	7/8"X14	16	10	5/8"
TSFJ90L-12-12	1.1/16"X12	20	12	3/4"
TSFJ90L-16-12	1.5/16"X12	20	12	3/4"
TSFJ90L-16-16	1.5/16"X12	25	16	1"
TSFJ90L-20-20	1.5/8"X12	32	20	1.1/4"

TSFJS

FÊMEA GIRATÓRIA RETA UNF JIC 45°

SAE J514

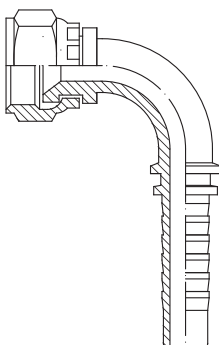


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFJS-06-06	9/16"X18	10	06	3/8"
TSFJS-12-12	1.1/16"X12	20	12	3/4"

TSFJS90

FÊMEA GIRATÓRIA CURVA 90° UNF JIC 45°

SAE J514

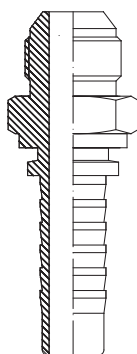


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFJS90-06-06	9/16"X18	10	06	3/8"
TSFJS90-12-12	1.1/16"X12	20	12	3/4"

TSMKTSU

MACHO FIXO MÉTRICO KOMATSU

SEDE 60°/JIS B8363

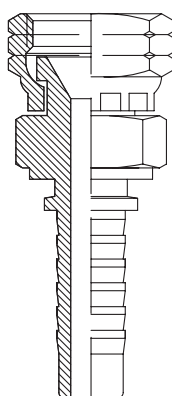


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSMKTSU-22-10	M22X1.5	16	10	5/8"
TSMKTSU-24-08	M24X1.5	12	08	1/2"
TSMKTSU-24-10	M24X1.5	16	10	5/8"
TSMKTSU-24-12	M24X1.5	20	12	3/4"

TSFKTSU

FÊMEA GIRATÓRIA MÉTRICA KOMATSU

SEDE 60°/JIS B8363

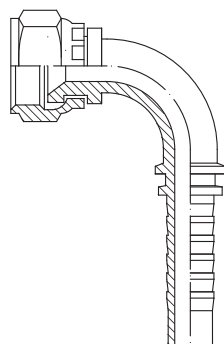


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFKTSU-14-04	M14X1.5	06	04	1/4"
TSFKTSU-14-06	M14X1.5	10	06	3/8"
TSFKTSU-18-04	M18X1.5	06	04	1/4"
TSFKTSU-18-06	M18X1.5	10	06	3/8"
TSFKTSU-22-08	M22X1.5	12	08	1/2"
TSFKTSU-24-08	M24X1.5	12	08	1/2"
TSFKTSU-24-10	M24X1.5	16	10	5/8"
TSFKTSU-24-12	M24X1.5	20	12	3/4"
TSFKTSU-26-10	M26X1.5	16	10	5/8"
TSFKTSU-30-12	M30X1.5	20	12	3/4"
TSFKTSU-33-16	M33X1.5	16	10	5/8"
TSFKTSU-36-20	M36X1.5	32	20	1.1/4"
TSFKTSU-42-24	M42X1.5	40	24	1.1/2"

TSFKTSU90

FÊMEA GIRATÓRIA CURVA 90° MÉTRICA KOMATSU

SEDE 60°/JIS B8363

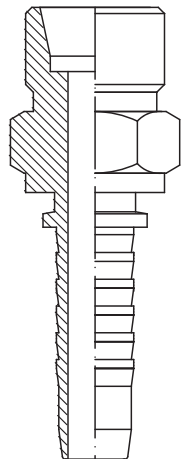


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFKTSU90-14-04	M14X1.5	06	04	1/4"
TSFKTSU90-18-06	M18X1.5	10	06	3/8"
TSFKTSU90-22-08	M22X1.5	12	08	1/2"
TSFKTSU90-24-10	M24X1.5	16	10	5/8"
TSFKTSU90-30-12	M30X1.5	20	12	3/4"
TSFKTSU90-33-16	M33X1.5	25	16	1"

TSMM

MACHO MÉTRICO PARA TUBO - SÉRIE LEVE

SEDE 24°/DIN 3853 - 3861

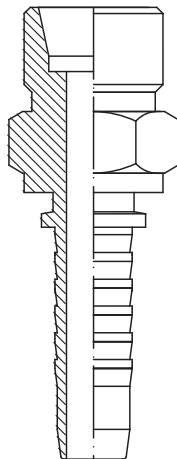


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSMM-12-06-04	M12X1.5	06	06	04	1/4"
TSMM-14-08-04	M14X1.5	08	06	04	1/4"
TSMM-16-10-04	M16X1.5	10	06	04	1/4"
TSMM-16-10-06	M16X1.5	10	10	06	3/8"
TSMM-18-12-04	M18X1.5	12	06	04	1/4"
TSMM-18-12-06	M18X1.5	12	10	06	3/8"
TSMM-18-12-08	M18X1.5	12	12	08	1/2"
TSMM-22-15-06	M22X1.5	15	10	06	3/8"
TSMM-22-15-08	M22X1.5	15	12	08	1/2"
TSMM-22-15-10	M22X1.5	15	16	10	5/8"
TSMM-26-18-08	M26X1.5	18	12	08	1/2"
TSMM-26-18-10	M26X1.5	18	16	10	5/8"
TSMM-27-18-08	M27X1.5	18	12	08	1/2"
TSMM-27-18-10	M27X1.5	18	16	10	5/8"
TSMM-30-22-12	M30X2	22	20	12	3/4"
TSMM-34-25-12	M34X2	25	20	12	3/4"
TSMM-34-25-16	M34X2	25	25	16	1"
TSMM-36-28-12	M36X2	28	20	12	3/4"
TSMM-36-28-16	M36X2	28	25	16	1"
TSMM-45-35-20	M45X2	35	32	20	1.1/4"
TSMM-48-38-20	M48X2	38	32	20	1.1/4"
TSMM-52-42-24	M52X2	42	40	24	1.1/2"

TSM

MACHO MÉTRICO PARA TUBO - SÉRIE PESADA

SEDE 24°/DIN 3853 - 3861

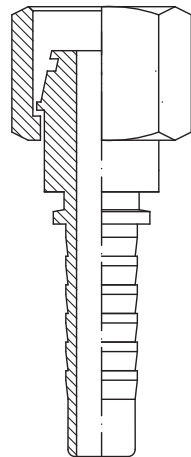


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSM-14-06-04	M14X1.5	06	06	04	1/4"
TSM-16-08-04	M16X1.5	08	06	04	1/4"
TSM-18-10-04	M18X1.5	10	06	04	1/4"
TSM-18-10-06	M18X1.5	10	10	06	3/8"
TSM-20-12-06	M20X1.5	12	10	06	3/8"
TSM-20-12-08	M20X1.5	12	12	08	1/2"
TSM-22-14-06	M22X1.5	14	10	06	3/8"
TSM-22-14-08	M22X1.5	14	12	08	1/2"
TSM-24-16-08	M24X1.5	16	12	08	1/2"
TSM-28-19-10	M28X1.5	19	16	10	5/8"
TSM-28-19-12	M28X1.5	19	20	12	3/4"
TSM-30-20-10	M30X2	20	16	10	5/8"
TSM-30-20-12	M30X2	20	20	12	3/4"
TSM-36-25-12	M36X2	25	20	12	3/4"
TSM-36-25-16	M36X2	25	25	16	1"
TSM-42-30-20	M42X2	30	32	20	1.1/4"
TSM-52-38-20	M52X2	38	32	20	1.1/4"

TSFDKO

FÊMEA GIRATÓRIA MÉTRICA RETA DKO - SÉRIE LEVE

SEDE 24°/DIN 3865

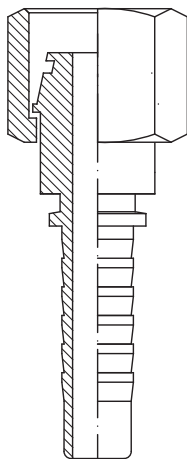


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDKO-12-06-04	M12X1.5	06	06	04	1/4"
TSFDKO-14-08-04	M14X1.5	08	06	04	1/4"
TSFDKO-14-08-06	M14X1.5	08	10	06	3/8"
TSFDKO-16-10-04	M16X1.5	10	06	04	1/4"
TSFDKO-16-10-06	M16X1.5	10	10	06	3/8"
TSFDKO-18-12-04	M18X1.5	12	06	04	1/4"
TSFDKO-18-12-06	M18X1.5	12	10	06	3/8"
TSFDKO-22-15-06	M22X1.5	15	10	06	3/8"
TSFDKO-22-15-08	M22X1.5	15	12	08	1/2"
TSFDKO-22-15-10	M22X1.5	15	16	10	5/8"
TSFDKO-26-18-08	M26X1.5	18	12	08	1/2"
TSFDKO-26-18-10	M26X1.5	18	16	10	5/8"
TSFDKO-26-18-12	M26X1.5	18	20	12	3/4"
TSFDKO-30-22-10	M30X2	22	16	10	5/8"
TSFDKO-30-22-12	M30X2	22	20	12	3/4"
TSFDKO-34-25-12	M34X2	25	20	12	3/4"
TSFDKO-34-25-16	M34X2	25	25	16	1"
TSFDKO-36-28-12	M36X2	28	20	12	3/4"
TSFDKO-36-28-16	M36X2	28	25	16	1"
TSFDKO-45-35-20	M45X2	35	32	20	1.1/4"
TSFDKO-45-35-24	M45X2	35	40	24	1.1/2"
TSFDKO-48-38-24	M48X2	38	40	24	1.1/2"
TSFDKO-52-42-20	M52X2	42	32	20	1.1/4"
TSFDKO-52-42-24	M52X2	42	40	24	1.1/2"
TSFDKO-52-42-32	M52X2	42	50	32	2"

TSFDKO

FÊMEA GIRATÓRIA MÉTRICA RETA DKO - SÉRIE PESADA

SEDE 24°/DIN 3865

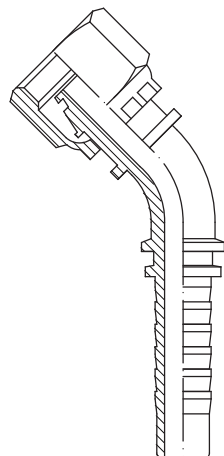


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDKO-14-06-04	M14X1.5	06	06	04	1/4"
TSFDKO-16-08-04	M16X1.5	08	06	04	1/4"
TSFDKO-18-10-04	M18X1.5	10	06	04	1/4"
TSFDKO-18-10-06	M18X1.5	10	10	06	3/8"
TSFDKO-20-12-04	M20X1.5	12	06	04	1/4"
TSFDKO-20-12-06	M20X1.5	12	10	06	3/8"
TSFDKO-20-12-08	M20X1.5	12	12	08	1/2"
TSFDKO-22-14-06	M22X1.5	14	10	06	3/8"
TSFDKO-22-14-08	M22X1.5	14	12	08	1/2"
TSFDKO-24-16-06	M24X1.5	16	10	06	3/8"
TSFDKO-24-16-08	M24X1.5	16	12	08	1/2"
TSFDKO-24-16-10	M24X1.5	16	16	10	5/8"
TSFDKO-24-16-12	M24X1.5	16	20	12	3/4"
TSFDKO-28-19-10	M28X1.5	19	16	10	5/8"
TSFDKO-28-19-12	M28X1.5	19	20	12	3/4"
TSFDKO-30-20-10	M30X2	20	16	10	5/8"
TSFDKO-30-20-12	M30X2	20	20	12	3/4"
TSFDKO-36-25-12	M36X2	25	20	12	3/4"
TSFDKO-36-25-16	M36X2	25	25	16	1"
TSFDKO-42-30-16	M42X2	30	25	16	1"
TSFDKO-42-30-20	M42X2	30	32	20	1.1/4"
TSFDKO-52-38-16	M52X2	38	25	16	1"
TSFDKO-52-38-20	M52X2	38	32	20	1.1/4"
TSFDKO-52-38-24	M52X2	38	40	24	1.1/2"

TSFDKO45

FÊMEA GIRATÓRIA MÉTRICA CURVA 45° DKO - SÉRIE LEVE

SEDE 24°/DIN 3865

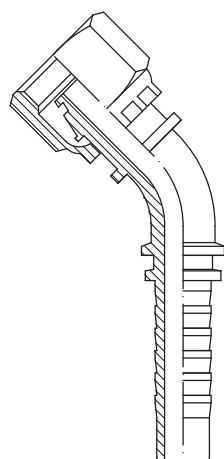


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDKO45-12-06-04	M12X1.5	06	06	04	1/4"
TSFDKO45-14-08-04	M14X1.5	08	06	04	1/4"
TSFDKO45-16-10-04	M16X1.5	10	06	04	1/4"
TSFDKO45-16-10-06	M16X1.5	10	10	06	3/8"
TSFDKO45-18-12-04	M18X1.5	12	06	04	1/4"
TSFDKO45-18-12-06	M18X1.5	12	10	06	3/8"
TSFDKO45-22-15-06	M22X1.5	15	10	06	3/8"
TSFDKO45-22-15-08	M22X1.5	15	12	08	1/2"
TSFDKO45-26-18-10	M26X1.5	18	16	10	5/8"
TSFDKO45-30-22-10	M30X2	22	16	10	5/8"
TSFDKO45-36-28-16	M36X2	28	25	16	1"
TSFDKO45-36-28-20	M36X2	28	32	20	1.1/4"
TSFDKO45-45-35-20	M45X2	35	32	20	1.1/4"
TSFDKO45-52-42-24	M52X2	42	40	24	1.1/2"

TSFDKO45

FÊMEA GIRATÓRIA MÉTRICA CURVA 45° DKO - SÉRIE PESADA

SEDE 24°/DIN 3865

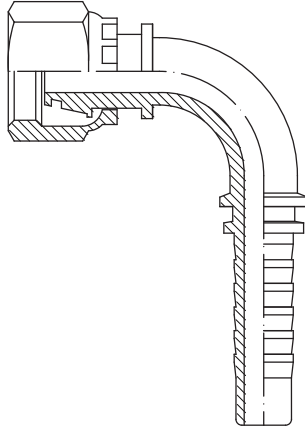


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDKO45-16-08-04	M16X1.5	08	06	04	1/4"
TSFDKO45-18-10-04	M18X1.5	10	06	04	1/4"
TSFDKO45-20-12-06	M20X1.5	12	10	06	3/8"
TSFDKO45-22-14-06	M22X1.5	14	10	06	3/8"
TSFDKO45-24-16-08	M24X1.5	16	12	08	1/2"
TSFDKO45-30-20-10	M30X2	20	16	10	5/8"
TSFDKO45-30-20-12	M30X2	20	20	12	3/4"
TSFDKO45-36-25-12	M36X2	25	20	12	3/4"
TSFDKO45-36-25-16	M36X2	25	25	16	1"
TSFDKO45-42-30-16	M42X2	30	25	16	1"
TSFDKO45-42-30-20	M42X2	30	32	20	1.1/4"
TSFDKO45-52-38-20	M52X2	38	32	20	1.1/4"
TSFDKO45-52-38-24	M52X2	38	40	24	1.1/2"

TSFDK090

FÊMEA GIRATÓRIA MÉTRICA CURVA 90° DKO - SÉRIE LEVE

SEDE 24°/DIN 3865

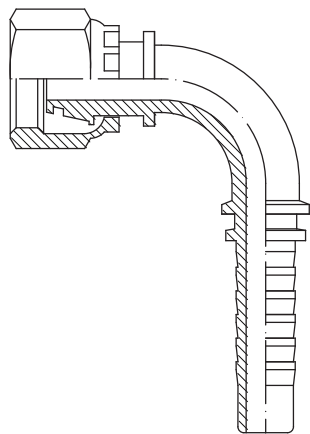


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDK090-12-06-04	M12X1.5	06	06	04	1/4"
TSFDK090-14-08-04	M14X1.5	08	06	04	1/4"
TSFDK090-14-08-06	M14X1.5	08	10	06	3/8"
TSFDK090-16-10-04	M16X1.5	10	06	04	1/4"
TSFDK090-16-10-06	M16X1.5	10	10	06	3/8"
TSFDK090-18-12-04	M18X1.5	12	06	04	1/4"
TSFDK090-18-12-06	M18X1.5	12	10	06	3/8"
TSFDK090-18-12-08	M18X1.5	12	12	08	1/2"
TSFDK090-22-15-06	M22X1.5	15	10	06	3/8"
TSFDK090-22-15-08	M22X1.5	15	12	08	1/2"
TSFDK090-22-15-10	M22X1.5	15	16	10	5/8"
TSFDK090-26-18-08	M26X1.5	18	12	08	1/2"
TSFDK090-26-18-10	M26X1.5	18	16	10	5/8"
TSFDK090-30-22-10	M30X2	22	16	10	5/8"
TSFDK090-30-22-12	M30X2	22	20	12	3/4"
TSFDK090-34-25-12	M34X2	25	20	12	3/4"
TSFDK090-34-25-16	M34X2	25	25	16	1"
TSFDK090-36-28-16	M36X2	28	25	16	1"
TSFDK090-45-35-20	M45X2	35	32	20	1.1/4"
TSFDK090-52-42-24	M52X2	42	40	24	1.1/2"

TSFDK090

FÊMEA GIRATÓRIA MÉTRICA CURVA 90° DKO - SÉRIE PESADA

SEDE 24°/DIN 3865

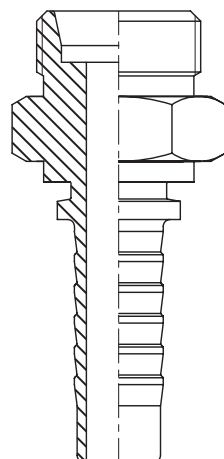


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDK090-14-06-04	M14X1.5	06	06	04	1/4"
TSFDK090-16-08-04	M16X1.5	08	06	04	1/4"
TSFDK090-18-10-04	M18X1.5	10	06	04	1/4"
TSFDK090-18-10-06	M18X1.5	10	10	06	3/8"
TSFDK090-18-10-08	M18X1.5	10	12	08	1/2"
TSFDK090-20-12-04	M20X1.5	12	06	04	1/4"
TSFDK090-20-12-06	M20X1.5	12	10	06	3/8"
TSFDK090-20-12-08	M20X1.5	12	12	08	1/2"
TSFDK090-22-14-06	M22X1.5	14	10	06	3/8"
TSFDK090-24-16-06	M24X1.5	16	10	06	3/8"
TSFDK090-24-16-08	M24X1.5	16	12	08	1/2"
TSFDK090-24-16-10	M24X1.5	16	16	10	5/8"
TSFDK090-30-20-10	M30X2	20	16	10	5/8"
TSFDK090-30-20-12	M30X2	20	20	12	3/4"
TSFDK090-36-25-12	M36X2	25	20	12	3/4"
TSFDK090-36-25-16	M36X2	25	25	16	1"
TSFDK090-42-30-16	M42X2	30	25	16	1"
TSFDK090-52-38-20	M52X2	38	32	20	1.1/4"
TSFDK090-52-38-24	M52X2	38	40	24	1.1/2"

TSMMP

MACHO RETO MÉTRICO POCLAIN

SEDE 24°/ROSCA MÉTRICA FINA

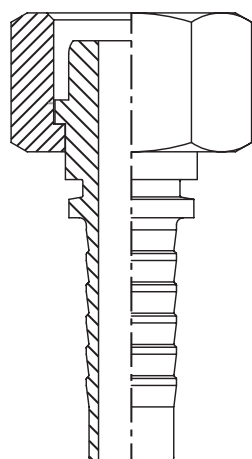


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSMMP-24-17-08	M24X1.5	17	12	08	1/2"
TSMMP-30-21-10	M30X1.5	21	16	10	5/8"
TSMMP-36-27-12	M36X1.5	27	20	12	3/4"

TSFDKOP

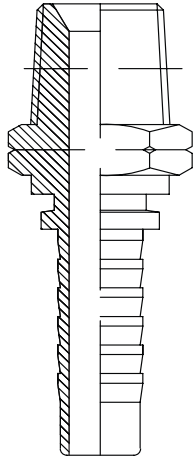
FÊMEA MÉTRICA POCLAIN

SEDE 24°/ROSCA MÉTRICA FINA



CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TSFDKOP-24-17-08	M24X1.5	17	12	08	1/2"
TSFDKOP-30-21-10	M30X1.5	21	16	10	5/8"
TSFDKOP-36-27-12	M36X1.5	27	20	12	3/4"

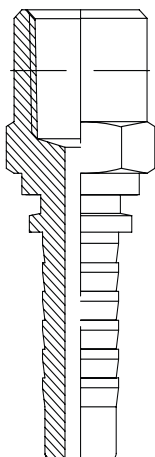
TSMP



MACHO FIXO NPT SEDE 60°/SAE J516

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSMP-02-04	1/8"X27	06	04	1/4"
TSMP-04-04	1/4"X18	06	04	1/4"
TSMP-04-06	1/4"X18	10	06	3/8"
TSMP-04-08	1/4"X18	12	08	1/2"
TSMP-06-04	3/8"X18	06	04	1/4"
TSMP-06-06	3/8"X18	10	06	3/8"
TSMP-06-08	3/8"X18	12	08	1/2"
TSMP-08-04	1/2"X14	06	04	1/4"
TSMP-08-06	1/2"X14	10	06	3/8"
TSMP-08-08	1/2"X14	12	08	1/2"
TSMP-08-10	1/2"X14	16	10	5/8"
TSMP-08-12	1/2"X14	20	12	3/4"
TSMP-12-08	3/4"X14	12	08	1/2"
TSMP-12-10	3/4"X14	16	10	5/8"
TSMP-12-12	3/4"X14	20	12	3/4"
TSMP-16-10	1"X11.5	16	10	5/8"
TSMP-16-12	1"X11.5	20	12	3/4"
TSMP-16-16	1"X11.5	25	16	1"
TSMP-20-16	1.1/4"X11.5	25	16	1"
TSMP-20-20	1.1/4"X11.5	32	20	1.1/4"
TSMP-24-20	1.1/2"X11.5	32	20	1.1/4"
TSMP-24-24	1.1/2"X11.5	40	24	1.1/2"
TSMP-32-24	2"X11.5	40	24	1.1/2"
TSMP-32-32	2"X11.5	50	32	2"

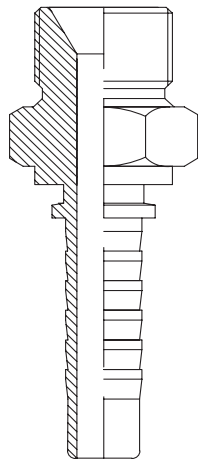
TSFF



FÊMEA FIXA NPT

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFF-02-04	1/8"-27	06	04	1/4"
TSFF-04-04	1/4"X18	06	04	1/4"
TSFF-06-04	3/8"X18	06	04	1/4"
TSFF-06-06	3/8"X18	10	06	3/8"

TSMO

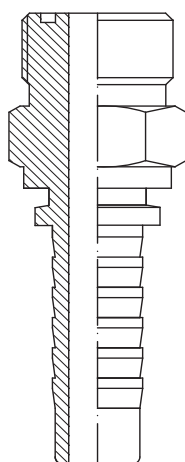


MACHO FIXO O'RING - UNF

SAE J512

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSMO-04-04	7/16"X20	06	04	1/4"
TSMO-06-04	9/16"X18	06	04	1/4"
TSMO-06-06	9/16"X18	10	06	3/8"
TSMO-08-06	3/4"X16	10	06	3/8"
TSMO-08-08	3/4"X16	12	08	1/2"
TSMO-10-08	7/8"X14	12	08	1/2"
TSMO-10-10	7/8"X14	16	10	5/8"
TSMO-12-08	1.1/16"X12	12	08	1/2"
TSMO-12-10	1.1/16"X12	16	10	5/8"
TSMO-12-12	1.1/16"X12	20	12	3/4"
TSMO-16-12	1.5/16"X12	20	12	3/4"
TSMO-16-16	1.5/16"X12	25	16	1"
TSMO-20-20	1.5/8"X12	32	20	1.1/4"

TSMSP

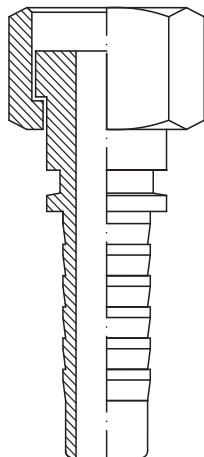


MACHO FIXO SEDE PLANA - ORFS

SAE J1453

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSMSP-04-04	9/16"X18	06	04	1/4"
TSMSP-06-04	11/16"X16	06	04	1/4"
TSMSP-06-06	11/16"X16	10	06	3/8"
TSMSP-08-06	13/16"X16	10	06	3/8"
TSMSP-08-08	13/16"X16	12	08	1/2"
TSMSP-10-08	1"X14	12	08	1/2"
TSMSP-10-10	1"X14	16	10	5/8"
TSMSP-12-10	1.3/16"X12	16	10	5/8"
TSMSP-12-12	1.3/16"X12	20	12	3/4"
TSMSP-16-12	1.7/16"X12	20	12	3/4"
TSMSP-16-16	1.7/16"X12	25	16	1"
TSMSP-20-20	1.11/16"X12	32	20	1.1/4"
TSMSP-24-24	2"X12	40	24	1.1/2"

TSFSP

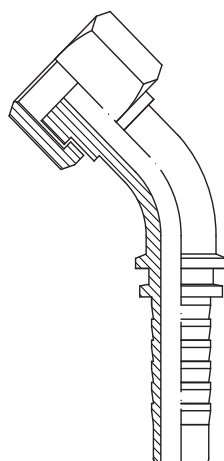


FÊMEA GIRATÓRIA RETA SEDE PLANA - ORFS

SAE J1453

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSP-04-04	9/16"X18	06	04	1/4"
TSFSP-06-04	11/16"X16	06	04	1/4"
TSFSP-06-06	11/16"X16	10	06	3/8"
TSFSP-06-08	11/16"X16	12	08	1/2"
TSFSP-08-06	13/16"X16	10	06	3/8"
TSFSP-08-08	13/16"X16	12	08	1/2"
TSFSP-10-08	1"X14	12	08	1/2"
TSFSP-10-10	1"X14	16	10	5/8"
TSFSP-10-12	1"X14	20	12	3/4"
TSFSP-12-08	1.3/16"X12	12	08	1/2"
TSFSP-12-10	1.3/16"X12	16	10	5/8"
TSFSP-12-12	1.3/16"X12	20	12	3/4"
TSFSP-12-16	1.3/16"X12	25	16	1"
TSFSP-16-12	1.7/16"X12	20	12	3/4"
TSFSP-16-16	1.7/16"X12	25	16	1"
TSFSP-20-16	1.11/16"X12	25	16	1"
TSFSP-20-20	1.11/16"X12	32	20	1.1/4"
TSFSP-24-24	2"X12	40	24	1.1/2"

TSFSP45



FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA - ORFS

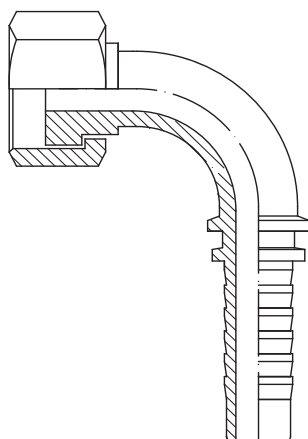
SAE J1453

CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSP45-04-04	9/16"X18	06	04	1/4"
TSFSP45-06-04	11/16"X16	06	04	1/4"
TSFSP45-06-06	11/16"X16	10	06	3/8"
TSFSP45-06-08	11/16"X16	12	08	1/2"
TSFSP45-08-06	13/16"X16	10	06	3/8"
TSFSP45-08-08	13/16"X16	12	08	1/2"
TSFSP45-10-08	1"X14	12	08	1/2"
TSFSP45-10-10	1"X14	16	10	5/8"
TSFSP45-10-12	1"X14	20	12	3/4"
TSFSP45-12-08	1.3/16"X12	12	08	1/2"
TSFSP45-12-10	1.3/16"X12	16	10	5/8"
TSFSP45-12-12	1.3/16"X12	20	12	3/4"
TSFSP45-16-12	1.7/16"X12	20	12	3/4"
TSFSP45-16-16	1.7/16"X12	25	16	1"
TSFSP45-20-16	1.11/16"X12	25	16	1"
TSFSP45-20-20	1.11/16"X12	32	20	1.1/4"
TSFSP45-24-24	2"X12	40	24	1.1/2"

TSFSP90

FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA - ORFS

SAE J1453

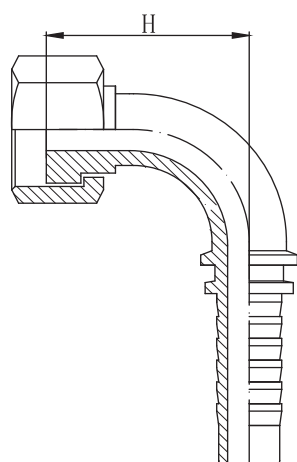


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSP90-04-04	9/16"X18	06	04	1/4"
TSFSP90-06-04	11/16"X16	06	04	1/4"
TSFSP90-06-06	11/16"X16	10	06	3/8"
TSFSP90-06-08	11/16"X16	12	08	1/2"
TSFSP90-08-06	13/16"X16	10	06	3/8"
TSFSP90-08-08	13/16"X16	12	08	1/2"
TSFSP90-10-08	1"X14	12	08	1/2"
TSFSP90-10-10	1"X14	16	10	5/8"
TSFSP90-12-08	1.3/16"X12	12	08	1/2"
TSFSP90-12-10	1.3/16"X12	16	10	5/8"
TSFSP90-12-12	1.3/16"X12	20	12	3/4"
TSFSP90-12-16	1.3/16"X12	25	16	1"
TSFSP90-16-12	1.7/16"X12	20	12	3/4"
TSFSP90-16-16	1.7/16"X12	25	16	1"
TSFSP90-20-16	1.11/16"X12	25	16	1"
TSFSP90-20-20	1.11/16"X12	32	20	1.1/4"
TSFSP90-20-24	1.11/16"X12	40	24	1.1/2"

TSFSP90L

FÊMEA GIRATÓRIA CURVA 90° LONGA SEDE PLANA - ORFS

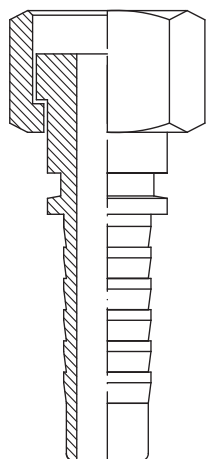
SAE J1453



CÓDIGO	ROSCA	DIMENSÃO "H"	MANGUEIRA		
			DN	TRAÇO	POL.
TSFSP90L-04-04	9/16"X18	45,5	06	04	1/4"
TSFSP90L-06-04	11/16"X16	53,5	06	04	1/4"
TSFSP90L-06-06	11/16"X16	53,5	10	06	3/8"
TSFSP90L-06-08	11/16"X16	53,5	12	08	1/2"
TSFSP90L-08-06	13/16"X16	63,5	10	06	3/8"
TSFSP90L-08-08	13/16"X16	64	12	08	1/2"
TSFSP90L-10-10	1"X14	69	16	10	5/8"
TSFSP90L-10-12	1"X14	73	20	12	3/4"
TSFSP90L-12-12	1.3/16"X12	96	20	12	3/4"
TSFSP90L-16-16	1.7/16"X12	113,5	25	16	1"

TSFSPM

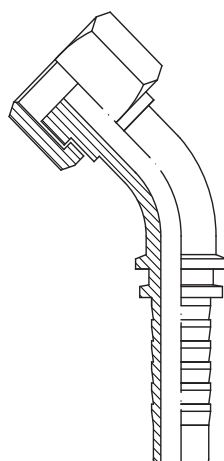
FÊMEA GIRATÓRIA RETA SEDE PLANA ORFS MÉTRICA



CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFSPM-14-04	M14X1.5	06	04	1/4"
TSFSPM-16-04	M16X1.5	06	04	1/4"
TSFSPM-16-06	M16X1.5	10	06	3/8"
TSFSPM-18-06	M18X1.5	10	06	3/8"
TSFSPM-20-06	M20X1.5	10	06	3/8"
TSFSPM-22-08	M22X1.5	12	08	1/2"
TSFSPM-22-10	M22X1.5	16	10	5/8"
TSFSPM-24-08	M24X1.5	12	08	1/2"
TSFSPM-24-10	M24X1.5	16	10	5/8"
TSFSPM-27-08	M27X1.5	12	08	1/2"
TSFSPM-27-10	M27X1.5	16	10	5/8"
TSFSPM-30-12	M30X1.5	20	12	3/4"
TSFSPM-36-12	M36X2	20	12	3/4"
TSFSPM-42-20	M42X2	32	20	1.1/4"
TSFSPM-45-20	M45X2	32	20	1.1/4"
TSFSPM-52-24	M52X2	40	24	1.1/2"

TSFSPM45

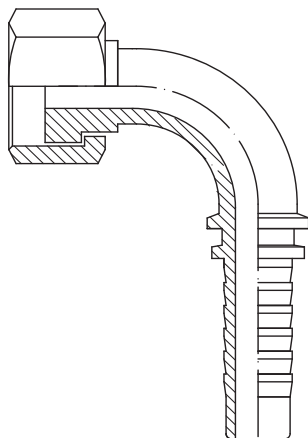
FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA ORFS MÉTRICA



CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFSPM 45-14-04	M14X1.5	06	04	1/4"
TSFSPM 45-16-04	M16X1.5	06	04	1/4"
TSFSPM 45-16-06	M16X1.5	10	06	3/8"
TSFSPM 45-18-06	M18X1.5	10	06	3/8"
TSFSPM 45-20-06	M20X1.5	10	06	3/8"
TSFSPM 45-22-08	M22X1.5	12	08	1/2"
TSFSPM 45-22-10	M22X1.5	16	10	5/8"
TSFSPM 45-24-08	M24X1.5	12	08	1/2"
TSFSPM 45-24-10	M24X1.5	16	10	5/8"
TSFSPM 45-27-08	M27X1.5	12	08	1/2"
TSFSPM 45-27-10	M27X1.5	16	10	5/8"
TSFSPM 45-30-12	M30X1.5	20	12	3/4"
TSFSPM 45-36-12	M36X2	20	12	3/4"
TSFSPM 45-42-20	M42X2	32	20	1.1/4"
TSFSPM 45-45-20	M45X2	32	20	1.1/4"
TSFSPM 45-52-24	M52X2	40	24	1.1/2"

TSFSPM90

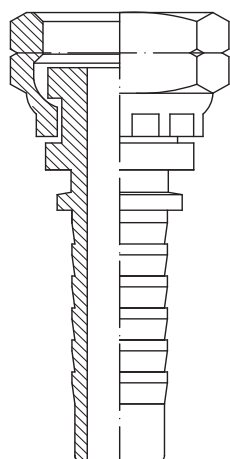
FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA ORFS MÉTRICA



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSPM 90-14-04	M14X1.5	06	04	1/4"
TSFSPM 90-16-04	M16X1.5	06	04	1/4"
TSFSPM 90-16-06	M16X1.5	10	06	3/8"
TSFSPM 90-18-06	M18X1.5	10	06	3/8"
TSFSPM 90-20-06	M20X1.5	10	06	3/8"
TSFSPM 90-22-08	M22X1.5	12	08	1/2"
TSFSPM 90-22-10	M22X1.5	16	10	5/8"
TSFSPM 90-24-08	M24X1.5	12	08	1/2"
TSFSPM 90-24-10	M24X1.5	16	10	5/8"
TSFSPM 90-27-08	M27X1.5	12	08	1/2"
TSFSPM 90-27-10	M27X1.5	16	10	5/8"
TSFSPM 90-30-12	M30X1.5	20	12	3/4"
TSFSPM 90-36-12	M36X2	20	12	3/4"
TSFSPM 90-42-20	M42X2	32	20	1.1/4"
TSFSPM 90-45-20	M45X2	32	20	1.1/4"
TSFSPM 90-52-24	M52X2	40	24	1.1/2"

TSFSPB

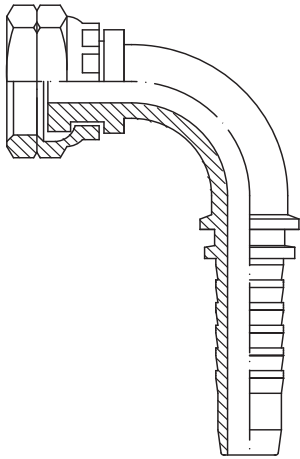
FÊMEA GIRATÓRIA RETA ROSCA BSP SEDE 60°/JIS B8363



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSPB-04-04	1/4"X19	06	04	1/4"
TSFSPB-06-06	3/8"X19	10	06	3/8"
TSFSPB-08-08	1/2"X14	12	08	1/2"
TSFSPB-12-12	3/4"X14	20	12	3/4"
TSFSPB-16-16	1"X11	25	16	1"
TSFSPB-20-20	1.1/4"X11	32	20	1.1/4"
TSFSPB-24-24	1.1/2"X11	40	24	1.1/2"
TSFSPB-32-32	2"X11	50	32	2"

TSFSPB90

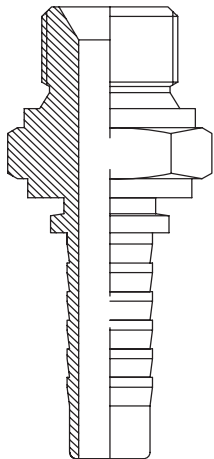
FÊMEA GIRATÓRIA CURVA 90° ROSCA BSP SEDE 60°/JIS B8363



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFSPB 90-08-08	1/2"X14	12	08	1/2"
TSFSPB 90-10-10	5/8"X14	16	10	5/8"
TSFSPB 90-12-12	3/4"X14	20	12	3/4"
TSFSPB 90-16-16	1"X11	25	16	1"
TSFSPB 90-20-20	1.1/4"X11	32	20	1.1/4"
TSFSPB 90-24-24	1.1/2"X11	40	24	1.1/2"
TSFSPB 90-32-32	2"X11	50	32	2"

TSMB

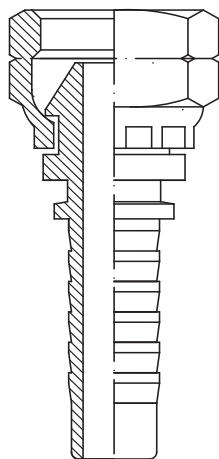
MACHO FIXO BSP SEDE 60°/BS 5200



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSMB-02-04	1/8"X28	06	04	1/4"
TSMB-04-04	1/4"X19	06	04	1/4"
TSMB-06-04	3/8"X19	06	04	1/4"
TSMB-06-06	3/8"X19	10	06	3/8"
TSMB-06-08	3/8"X19	12	08	1/2"
TSMB-08-06	1/2"X14	10	06	3/8"
TSMB-08-08	1/2"X14	12	08	1/2"
TSMB-08-10	1/2"X14	16	10	5/8"
TSMB-10-08	5/8"X14	12	08	1/2"
TSMB-10-10	5/8"X14	16	10	5/8"
TSMB-12-08	3/4"X14	12	08	1/2"
TSMB-12-10	3/4"X14	16	10	5/8"
TSMB-12-12	3/4"X14	20	12	3/4"
TSMB-16-12	1"X11	20	12	3/4"
TSMB-16-16	1"X11	25	16	1"
TSMB-20-16	1.1/4"X11	25	16	1"
TSMB-20-20	1.1/4"X11	32	20	1.1/4"
TSMB-24-24	1.1/2"X11	40	24	1.1/2"
TSMB-32-32	2"X11	50	32	2"

TSFB

FÊMEA GIRATÓRIA BSP SEDE 60°/BS 5200

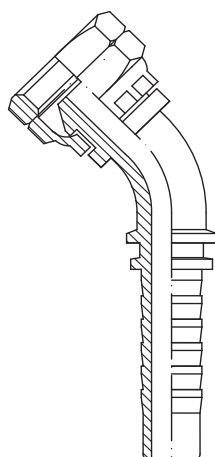


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFB-02-04	1/8"X28	06	04	1/4"
TSFB-04-04	1/4"X19	06	04	1/4"
TSFB-04-06	1/4"X19	10	06	3/8"
TSFB-06-04	3/8"X19	06	04	1/4"
TSFB-06-06	3/8"X19	10	06	3/8"
TSFB-06-08	3/8"X19	12	08	1/2"
TSFB-08-06	1/2"X14	10	06	3/8"
TSFB-08-08	1/2"X14	12	08	1/2"
TSFB-08-10	1/2"X14	16	10	5/8"
TSFB-10-08	5/8"X14	12	08	1/2"
TSFB-10-10	5/8"X14	16	10	5/8"
TSFB-10-12	5/8"X14	20	12	3/4"
TSFB-12-08	3/4"X14	12	08	1/2"
TSFB-12-10	3/4"X14	16	10	5/8"
TSFB-12-12	3/4"X14	20	12	3/4"
TSFB-16-12	1"X11	20	12	3/4"
TSFB-16-16	1"X11	25	16	1"
TSFB-20-16	1.1/4"X11	25	16	1"
TSFB-20-20	1.1/4"X11	32	20	1.1/4"
TSFB-24-20	1.1/2"X11	32	20	1.1/4"
TSFB-24-24	1.1/2"X11	40	24	1.1/2"
TSFB-32-32	2"X11	50	32	2"

TSFB45

FÊMEA GIRATÓRIA CURVA 45° BSP

SEDE 60°/BS 5200

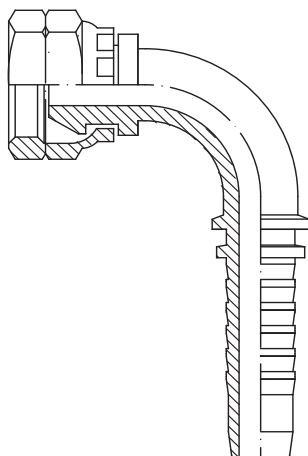


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFB45-02-04	1/8"X28	06	04	1/4"
TSFB45-04-04	1/4"X19	06	04	1/4"
TSFB45-06-04	3/8"X19	06	04	1/4"
TSFB45-06-06	3/8"X19	10	06	3/8"
TSFB45-08-06	1/2"X14	10	06	3/8"
TSFB45-08-08	1/2"X14	12	08	1/2"
TSFB45-10-08	5/8"X14	12	08	1/2"
TSFB45-10-10	5/8"X14	16	10	5/8"
TSFB45-12-08	3/4"X14	12	08	1/2"
TSFB45-12-10	3/4"X14	16	10	5/8"
TSFB45-12-12	3/4"X14	20	12	3/4"
TSFB45-16-12	1"X11	20	12	3/4"
TSFB45-16-16	1"X11	25	16	1"
TSFB45-20-16	1.1/4"X11	25	16	1"
TSFB45-20-20	1.1/4"X11	32	20	1.1/4"
TSFB45-24-24	1.1/2"X11	40	24	1.1/2"
TSFB45-32-32	2"X11	50	32	2"

TSFB90

FÊMEA GIRATÓRIA CURVA 90° BSP

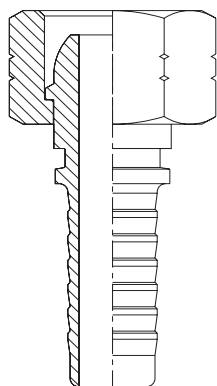
SEDE 60°/BS 5200



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFB90-02-04	1/8"X28	06	04	1/4"
TSFB90-04-04	1/4"X19	06	04	1/4"
TSFB90-04-06	1/4"X19	10	06	3/8"
TSFB90-06-04	3/8"X19	06	04	1/4"
TSFB90-06-06	3/8"X19	10	06	3/8"
TSFB90-08-06	1/2"X14	10	06	3/8"
TSFB90-08-08	1/2"X14	12	08	1/2"
TSFB90-08-10	1/2"X14	16	10	5/8"
TSFB90-10-08	5/8"X14	12	08	1/2"
TSFB90-10-10	5/8"X14	16	10	5/8"
TSFB90-12-08	3/4"X14	12	08	1/2"
TSFB90-12-10	3/4"X14	16	10	5/8"
TSFB90-12-12	3/4"X14	20	12	3/4"
TSFB90-16-12	1"X11	20	12	3/4"
TSFB90-16-16	1"X11	25	16	1"
TSFB90-20-16	1.1/4"X11	25	16	1"
TSFB90-20-20	1.1/4"X11	32	20	1.1/4"
TSFB90-24-20	1.1/2"X11	32	20	1.1/4"
TSFB90-24-24	1.1/2"X11	40	24	1.1/2"
TSFB90-32-32	2"X11	50	32	2"

TSFBM

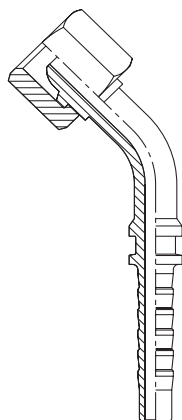
FÊMEA GIRATÓRIA RETA MÉTRICA BOLEADA - SEDE UNIVERSAL



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFBM-08-04	M14X1.5	06	04	1/4"
TSFBM-10-04	M16X1.5	06	04	1/4"
TSFBM-10-06	M16X1.5	10	06	3/8"
TSFBM-12-06	M18X1.5	10	06	3/8"
TSFBM-15-06	M22X1.5	10	06	3/8"
TSFBM-15-08	M22X1.5	12	08	1/2"
TSFBM-18-10	M26X1.5	16	10	5/8"

TSFBM45

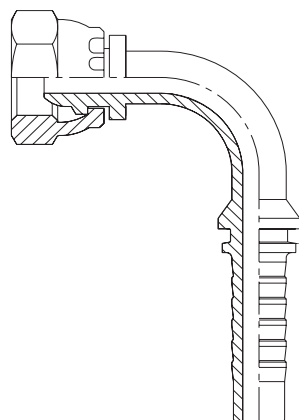
FÊMEA GIRATÓRIA CURVA 45° MÉTRICA BOLEADA - SEDE UNIVERSAL



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFBM45-08-04	M14X1.5	06	04	1/4"
TSFBM45-10-04	M16X1.5	06	04	1/4"
TSFBM45-10-06	M16X1.5	10	06	3/8"
TSFBM45-12-06	M18X1.5	10	06	3/8"
TSFBM45-15-06	M22X1.5	10	06	3/8"
TSFBM45-15-08	M22X1.5	12	08	1/2"
TSFBM45-18-10	M26X1.5	16	10	5/8"

TSFBM90

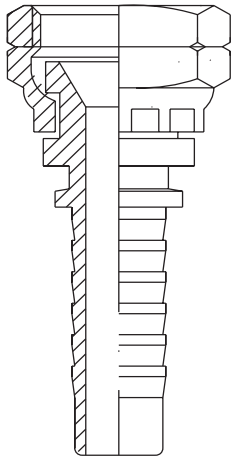
FÊMEA GIRATÓRIA CURVA 90° MÉTRICA BOLEADA - SEDE UNIVERSAL



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSFBM90-08-04	M14X1.5	06	04	1/4"
TSFBM90-10-04	M16X1.5	06	04	1/4"
TSFBM90-10-06	M16X1.5	10	06	3/8"
TSFBM90-12-06	M18X1.5	10	06	3/8"
TSFBM90-15-06	M22X1.5	10	06	3/8"
TSFBM90-15-08	M22X1.5	12	08	1/2"
TSFBM90-18-10	M26X1.5	16	10	5/8"

TSFBJ

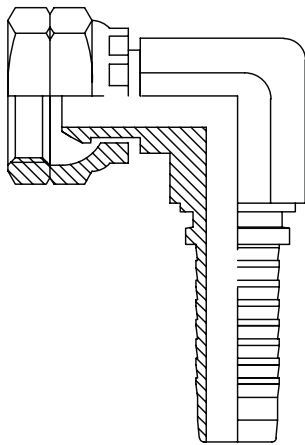
FÊMEA GIRATÓRIA RETA BSP/JIC CÔNICO 30°



CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSFBJ-04-04	1/4"X19	06	04	1/4"
TSFBJ-06-06	3/8"X19	10	06	3/8"
TSFBJ-08-08	1/2"X14	12	08	1/2"
TSFBJ-12-12	3/4"X14	20	12	3/4"
TSFBJ-16-16	1"X11	25	16	1"

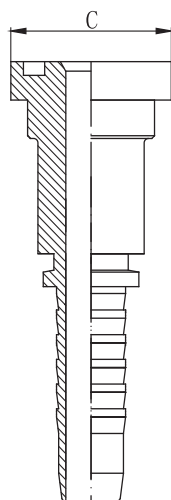
TCFB90

FÊMEA GIRATÓRIA COMPACTA BSP CÔNICO 60°



CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TCFB90-04-04	1/4"X19	06	04	1/4"
TCFB90-06-06	3/8"X19	10	06	3/8"
TCFB90-08-08	1/2"X14	12	08	1/2"
TCFB90-10-10	5/8"X14	16	10	5/8"
TCFB90-12-12	3/4"X14	20	12	3/4"
TCFB90-16-16	1"X11	25	16	1"

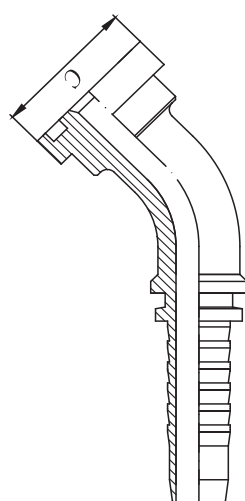
TSF3



FLANGE RETA CÓD. 61 3000 PSI SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF3-08-08	1/2"	30.2	12	08	1/2"
TSF3-10-08	5/8"	34.2	12	08	1/2"
TSF3-10-10	5/8"	34.2	16	10	5/8"
TSF3-12-08	3/4"	38.1	12	08	1/2"
TSF3-12-10	3/4"	38.1	16	10	5/8"
TSF3-12-12	3/4"	38.1	20	12	3/4"
TSF3-12-16	3/4"	38.1	25	16	1"
TSF3-16-12	1"	44.4	20	12	3/4"
TSF3-16-16	1"	44.4	25	16	1"
TSF3-16-20	1"	44.4	32	20	1.1/4"
TSF3-20-16	1.1/4"	50.8	25	16	1"
TSF3-20-20	1.1/4"	50.8	32	20	1.1/4"
TSF3-24-16	1.1/2"	60.3	25	16	1"
TSF3-24-20	1.1/2"	60.3	32	20	1.1/4"
TSF3-24-24	1.1/2"	60.3	40	24	1.1/2"
TSF3-32-24	2"	71.4	40	24	1.1/2"
TSF3-32-32	2"	71.4	50	32	2"

TSF345

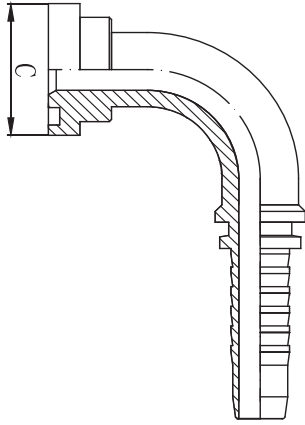


FLANGE CURVA 45° CÓD. 61 3000 PSI SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF345-08-08	1/2"	30,2	12	08	1/2"
TSF345-10-08	5/8"	34,2	12	08	1/2"
TSF345-10-10	5/8"	34,2	16	10	5/8"
TSF345-12-08	3/4"	38,1	12	08	1/2"
TSF345-12-10	3/4"	38,1	16	10	5/8"
TSF345-12-12	3/4"	38,1	20	12	3/4"
TSF345-16-12	1"	38,1	20	12	3/4"
TSF345-16-16	1"	44,4	25	16	1"
TSF345-16-20	1"	44,4	32	20	1.1/4"
TSF345-20-16	1.1/4"	50,8	25	16	1"
TSF345-20-20	1.1/4"	50,8	32	20	1.1/4"
TSF345-24-16	1.1/2"	60,3	25	16	1"
TSF345-24-20	1.1/2"	60,3	32	20	1.1/4"
TSF345-24-24	1.1/2"	60,3	40	24	1.1/4"
TSF345-32-24	2"	71,4	40	24	1.1/2"
TSF345-32-32	2"	71,4	50	32	2"

TSF390

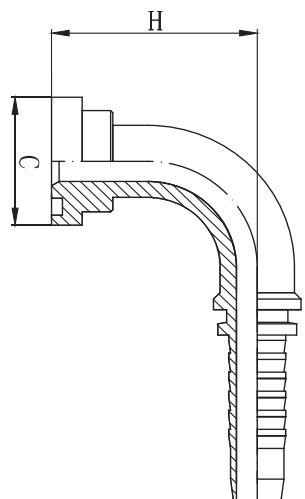
FLANGE CURVA 90° CÓD. 61 3000 PSI SAE J518



CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TSF390-08-08	1/2"	30,2	12	08	1/2"
TSF390-10-08	5/8"	34,2	12	08	1/2"
TSF390-10-10	5/8"	34,2	16	10	5/8"
TSF390-12-08	3/4"	38,1	12	08	1/2"
TSF390-12-10	3/4"	38,1	16	10	5/8"
TSF390-12-12	3/4"	38,1	20	12	3/4"
TSF390-16-12	1"	44,4	20	12	3/4"
TSF390-16-16	1"	44,4	25	16	1"
TSF390-16-20	1"	44,4	32	20	1.1/4"
TSF390-20-12	1.1/4"	50,8	20	12	3/4"
TSF390-20-16	1.1/4"	50,8	25	16	1"
TSF390-20-20	1.1/4"	50,8	32	20	1.1/4"
TSF390-24-16	1.1/2"	60,3	25	16	1"
TSF390-24-20	1.1/2"	60,3	32	20	1.1/4"
TSF390-24-24	1.1/2"	60,3	40	24	1.1/4"
TSF390-24-32	1.1/2"	60,3	50	32	2"
TSF390-32-24	1.1/2"	71,4	40	24	1.1/4"
TSF390-32-32	2"	71,4	50	32	2"

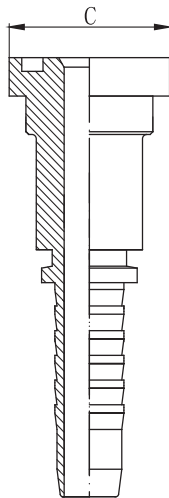
TSF390L

FLANGE CURVA 90° LONGA CÓD. 61 3000 PSI SAE J518



CÓDIGO	FLANGE	DIMENSÃO "H"	DN	MANGUEIRA	
				TRAÇO	POL.
TSF390L-12-12	3/4"	96	20	12	3/4"
TSF390L-16-12	1"	96	20	12	3/4"
TSF390L-16-16	1"	96	25	16	1"
TSF390L-20-16	1.1/4"	117	25	16	1"
TSF390L-20-20	1.1/4"	96	32	20	1.1/4"
TSF390L-24-20	1.1/2"	130	32	20	1.1/4"

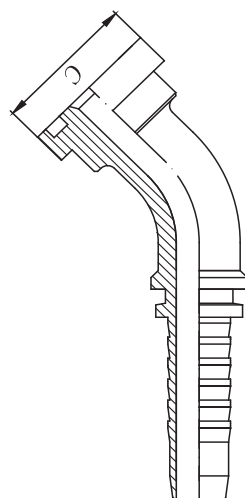
TSF6



FLANGE RETA CÓD. 62 6000 PSI SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF6-08-08	1/2"	31.7	12	08	1/2"
TSF6-08-10	1/2"	31.7	16	10	5/8"
TSF6-12-08	3/4"	41.3	12	08	1/2"
TSF6-12-10	3/4"	41.3	16	10	5/8"
TSF6-12-12	3/4"	41.3	20	12	3/4"
TSF6-16-12	1"	47.6	20	12	3/4"
TSF6-16-16	1"	47.6	25	16	1"
TSF6-20-16	1.1/4"	54	25	16	1"
TSF6-20-20	1.1/4"	54	32	20	1.1/4"
TSF6-24-20	1.1/2"	63.5	32	20	1.1/4"
TSF6-24-24	1.1/2"	63.5	40	24	1.1/2"
TSF6-32-32	2"	79.4	50	32	2"

TSF645

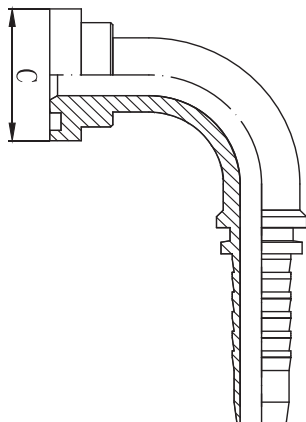


FLANGE CURVA 45° CÓD. 62 6000 PSI SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF645-08-08	1/2"	31.7	12	08	1/2"
TSF645-12-08	3/4"	41.3	12	08	1/2"
TSF645-12-10	3/4"	41.3	16	10	5/8"
TSF645-12-12	3/4"	41.3	20	12	3/4"
TSF645-16-12	1"	47.6	20	12	3/4"
TSF645-16-16	1"	47.6	25	16	1"
TSF645-16-20	1"	47.6	32	20	1.1/4"
TSF645-20-16	1.1/4"	54	25	16	1"
TSF645-20-20	1.1/4"	54	32	20	1.1/4"
TSF645-24-20	1.1/2"	63.5	32	20	1.1/4"
TSF645-24-24	1.1/2"	63.5	40	24	1.1/2"
TSF645-32-32	2"	79.4	50	32	2"

TSF690

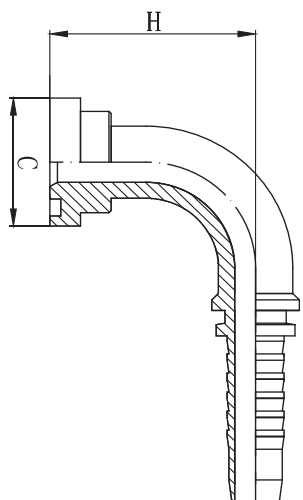
FLANGE CURVA 90° CÓD. 62 6000 PSI SAE J518



CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF690-08-08	1/2"	31.7	12	08	1/2"
TSF690-12-08	3/4"	41.3	12	08	1/2"
TSF690-12-10	3/4"	41.3	16	10	5/8"
TSF690-12-12	3/4"	41.3	20	12	3/4"
TSF690-16-12	1"	47.6	20	12	3/4"
TSF690-16-16	1"	47.6	25	16	1"
TSF690-16-20	1"	47.6	32	20	1.1/4"
TSF690-20-16	1.1/4"	54	25	16	1"
TSF690-20-20	1.1/4"	54	32	20	1.1/4"
TSF690-24-20	1.1/2"	63.5	32	20	1.1/4"
TSF690-24-24	1.1/2"	63.5	40	24	1.1/2"
TSF690-32-32	2"	79.4	50	32	2"

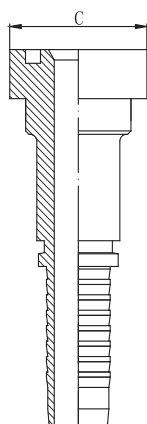
TSF690L

FLANGE CURVA 90° LONGA CÓD. 62 6000 PSI SAE J518



CÓDIGO	FLANGE	DIMENSÃO "H"	MANGUEIRA		
			DN	TRAÇO	POL.
TSF690-12-12	3/4"	114	20	12	3/4"
TSF690-16-12	1"	96	20	12	3/4"
TSF690-16-16	1"	114	25	16	1"
TSF690-20-16	1.1/4"	117	25	16	1"
TSF690-20-20	1.1/4"	114	32	20	1.1/4"
TSF690-24-20	1.1/2"	130	32	20	1.1/4"

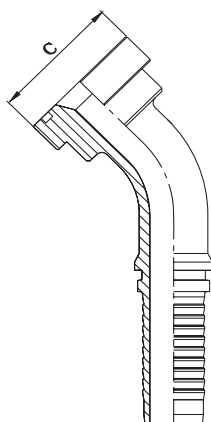
TSFC



FLANGE RETA CAT (9000 PSI)

CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TSFC-12-12	3/4"	41.3	20	12	3/4"
TSFC-16-12	1"	47.6	20	12	3/4"
TSFC-16-16	1"	47.6	25	16	1"
TSFC-20-16	1.1/4"	54	25	16	1"
TSFC-20-20	1.1/4"	54	32	20	1.1/4"
TSFC-24-24	1.1/2"	63.5	40	24	1.1/2"
TSFC-32-32	2"	79.4	50	32	2"

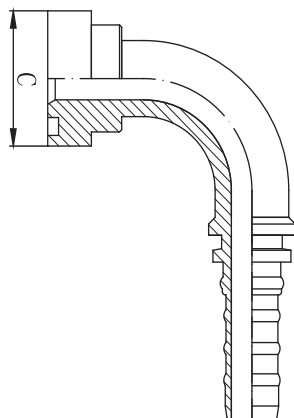
TSFC45



FLANGE CURVA 45° CAT (9000 PSI)

CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TSFC45-12-12	3/4"	41.3	20	12	3/4"
TSFC45-16-12	1"	47.6	20	12	3/4"
TSFC45-16-16	1"	47.6	25	16	1"
TSFC45-20-16	1.1/4"	54	25	16	1"
TSFC45-20-20	1.1/4"	54	32	20	1.1/4"
TSFC45-24-24	1.1/2"	63.5	40	24	1.1/2"
TSFC45-32-32	2"	79.4	50	32	2"

TSFC90

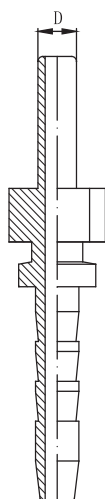


FLANGE CURVA 90° CAT (9000 PSI)

CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TSFC90-12-12	3/4"	41.3	20	12	3/4"
TSFC90-16-12	1"	47.6	20	12	3/4"
TSFC90-16-16	1"	47.6	25	16	1"
TSFC90-20-16	1.1/4"	54	25	16	1"
TSFC90-20-20	1.1/4"	54	32	20	1.1/4"
TSFC90-24-24	1.1/2"	63.5	40	24	1.1/2"
TSFC90-32-32	2"	79.4	50	32	2"

TSPL

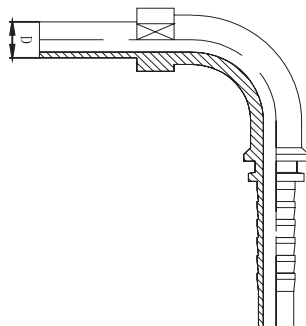
PONTA LISA RETA



CÓDIGO	DN TUBO	MANGUEIRA		
		DN	TRAÇO	POL.
TSPL-06-04	06	06	04	1/4"
TSPL-08-04	08	06	04	1/4"
TSPL-10-04	10	06	04	1/4"
TSPL-10-06	10	06	04	1/4"
TSPL-12-04	12	06	04	1/4"
TSPL-12-06	12	10	06	3/8"
TSPL-12-08	12	12	08	1/2"
TSPL-14-06	14	10	06	3/8"
TSPL-14-08	14	12	08	1/2"
TSPL-15-06	15	10	06	3/8"
TSPL-15-08	15	12	08	1/2"
TSPL-16-08	16	12	08	1/2"
TSPL-16-10	16	16	10	5/8"
TSPL-18-08	18	12	08	1/2"
TSPL-18-10	18	16	10	5/8"
TSPL-18-12	18	20	12	3/4"
TSPL-19-10	19	16	10	5/8"
TSPL-20-10	20	16	10	5/8"
TSPL-20-12	20	20	12	3/4"
TSPL-22-10	22	16	10	5/8"
TSPL-22-12	22	20	12	3/4"
TSPL-25-12	25	20	12	3/4"
TSPL-25-16	25	25	16	1"
TSPL-28-16	28	25	16	1"
TSPL-30-16	30	25	16	1"
TSPL-30-20	30	32	20	1.1/4"
TSPL-35-20	35	32	20	1.1/4"
TSPL-38-16	38	25	16	1"
TSPL-38-20	38	32	20	1.1/4"
TSPL-38-24	38	40	24	1.1/2"
TSPL-42-20	42	32	20	1.1/4"
TSPL-42-24	42	40	24	1.1/2"

TSPL90

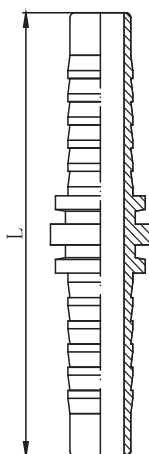
PONTA LISA CURVA 90°



CÓDIGO	DN TUBO	MANGUEIRA		
		DN	TRAÇO	POL.
TSPL-06-04	06	06	04	1/4"
TSPL-08-04	08	06	04	1/4"
TSPL-10-04	10	06	04	1/4"
TSPL-10-06	10	06	04	1/4"
TSPL-12-04	12	06	04	1/4"
TSPL-12-06	12	10	06	3/8"
TSPL-12-08	12	12	08	1/2"
TSPL-14-06	14	10	06	3/8"
TSPL-14-08	14	12	08	1/2"
TSPL-15-08	15	12	08	1/2"
TSPL-16-08	16	12	08	1/2"
TSPL-16-12	16	10	12	3/4"
TSPL-18-08	18	12	08	1/2"
TSPL-18-10	18	16	10	5/8"
TSPL-18-12	18	16	10	5/8"
TSPL-19-10	19	16	10	5/8"
TSPL-20-10	20	16	10	5/8"
TSPL-20-12	20	20	12	3/4"
TSPL-22-10	22	16	10	5/8"
TSPL-22-12	22	20	12	3/4"
TSPL-25-12	25	20	12	3/4"
TSPL-25-16	25	25	16	1"
TSPL-28-16	28	25	16	1"
TSPL-30-16	30	25	16	1"
TSPL-35-20	35	32	20	1.1/4"

TSEM

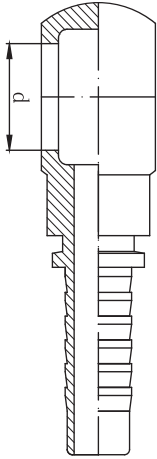
EMENDA HIDRÁULICA



CÓDIGO	DIMENSÃO "L"	MANGUEIRA		
		DN	TRAÇO	POL.
TSEM-04	74	06	04	1/4"
TSEM-06	78	10	06	3/8"
TSEM-08	86	12	08	1/2"
TSEM-10	90	16	10	5/8"
TSEM-12	99	20	12	3/4"
TSEM-16	121	25	16	1"
TSEM-20	130	32	20	1.1/4"
TSEM-24	136	40	24	1.1/2"
TSEM-32	177	50	32	2"

TSOL

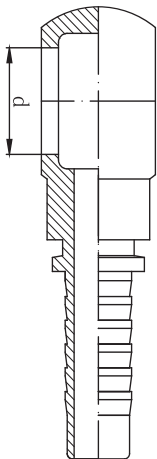
OLHAL RETO - MÉTRICO



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSOL-10-04	M10	06	04	1/4"
TSOL-12-04	M12	06	04	1/4"
TSOL-12-06	M12	10	06	3/8"
TSOL-14-04	M14	06	04	1/4"
TSOL-14-06	M14	10	06	3/8"
TSOL-16-06	M16	10	06	3/8"
TSOL-16-08	M16	12	08	1/2"
TSOL-18-06	M18	10	06	3/8"
TSOL-19-06	M19	10	06	3/8"
TSOL-18-08	M18	12	08	1/2"
TSOL-21-06	M21	10	06	3/8"
TSOL-22-08	M22	12	08	1/2"
TSOL-22-10	M22	16	10	5/8"
TSOL-26-10	M26	16	10	5/8"
TSOL-26-12	M26	20	12	3/4"

TSBOL

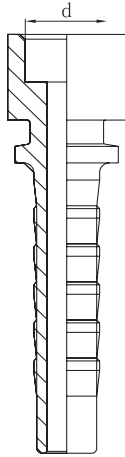
OLHAL RETO - BSP



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TSBOL-04-04	1/4"-19	06	04	1/4"
TSBOL-06-06	3/8"-19	10	06	3/8"
TSBOL-08-06	1/2"-14	10	06	3/8"
TSBOL-08-08	1/2"-14	12	08	1/2"
TSBOL-10-10	5/8"-14	16	10	5/8"
TSBOL-12-12	3/4"-14	20	12	3/4"
TSBOL-16-16	1"-11	25	16	1"

TSSV

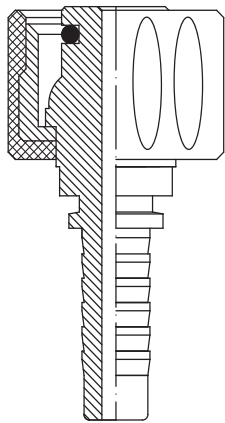
PINO SALVA VIDAS



CÓDIGO	D	DN	MANGUEIRA	
			TRAÇO	TRAÇO
TSSV-08-04	08	06	04	1/4"
TSSV-12-06	12	10	06	3/8"
TSSV-14-06	14	10	06	3/8"
TSSV-15-08	15	12	08	1/2"
TSSV-16-08	16	12	08	1/2"
TSSV-18-10	18	16	10	5/8"
TSSV-22-12	22	20	12	3/4"
TSSV-28-16	28	25	16	1"
TSSV-35-20	35	32	20	1.1/4"
TSSV-40-24	40	40	24	1.1/2"
TSSV-50-32	50	50	32	2"

TSKARCHER

FÊMEA GIRATÓRIA KARCHER



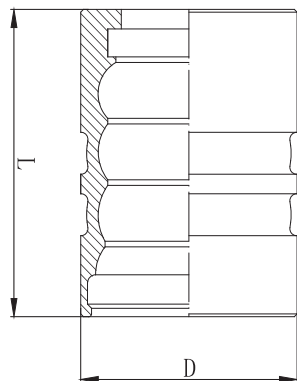
CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TSKARCHER-22-04	M22X1.5	06	04	1/4"
TSKARCHER-22-06	M22X1.5	10	06	3/8"



TERMINAIS INTERLOCK

CPEI

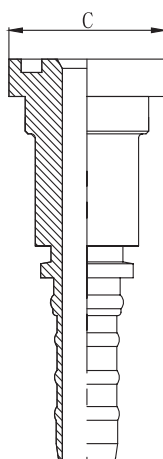
CAPA Prensada Interlock para Mangueira 4SH/ R13 (Skive)



CÓDIGO	MANGUEIRA		
	DN	TRAÇO	TRAÇO
CPEI-10	10	06	3/8"
CPEI-12	20	12	3/4"
CPEI-16	25	16	1"
CPEI-20	32	20	1.1/4"
CPEI-24	40	24	1.1/2"
CPEI-32	50	32	2"

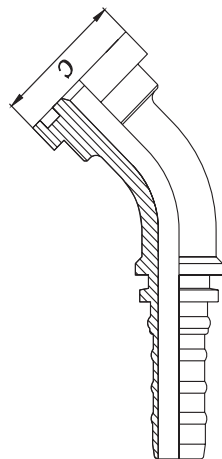
TIF3

FLANGE RETA CÓD. 61 3000 PSI - INTERLOCK SAE J518



CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF3-12-12	3/4"	38.1	20	12	3/4"
TIF3-12-16	3/4"	38.1	25	16	1"
TIF3-16-12	1"	44.4	20	12	3/4"
TIF3-16-16	1"	44.4	25	16	1"
TIF3-20-16	1.1/4"	50.8	25	16	1"
TIF3-20-20	1.1/4"	50.8	32	20	1.1/4"
TIF3-24-20	1.1/2"	60.3	32	20	1.1/4"
TIF3-24-24	1.1/2"	60.3	40	24	1.1/2"
TIF3-32-24	2"	71.4	40	24	1.1/2"
TIF3-32-32	2"	71.4	50	32	2"

TIF345

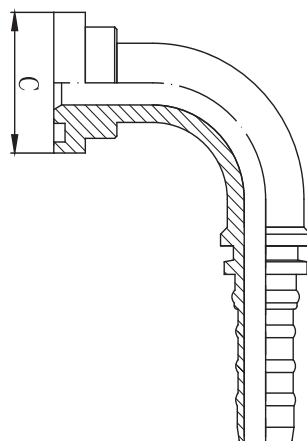


FLANGE CURVA 45° CÓD. 61 3000 PSI - INTERLOCK

SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF345-12-12	3/4"	38.1	20	12	3/4"
TIF345-16-12	3/4"	38.1	20	12	3/4"
TIF345-16-16	1"	44.4	25	16	1"
TIF345-20-16	1"	44.4	25	16	1"
TIF345-20-20	1.1/4"	50.8	32	20	1.1/4"
TIF345-24-20	1.1/4"	50.8	32	20	1.1/4"
TIF345-24-24	1.1/2"	60.3	40	24	1.1/2"
TIF345-32-24	1.1/2"	60.3	40	24	1.1/2"
TIF345-32-32	2"	71.4	50	32	2"

TIF390

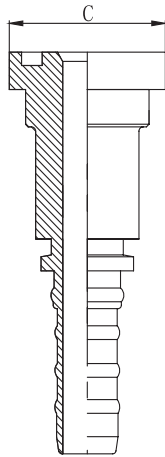


FLANGE CURVA 90° CÓD. 61 3000 PSI - INTERLOCK

SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF390-12-12	3/4"	38.1	20	12	3/4"
TIF390-16-12	1"	44.4	20	12	3/4"
TIF390-16-16	1"	44.4	25	16	1"
TIF390-16-20	1"	44.4	32	20	1"
TIF390-20-16	1.1/4"	50.8	25	16	1"
TIF390-20-20	1.1/4"	50.8	32	20	1.1/4"
TIF390-20-20	1.1/2"	50.8	32	20	1.1/4"
TIF390-24-24	2"	60.3	40	24	1.1/2"
TIF390-32-24	2"	71.4	40	24	1.1/2"
TIF390-32-32	2"	71.4	50	32	2"

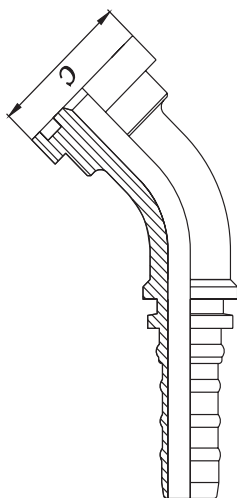
TIF6



FLANGE RETA CÓD. 62 6000 PSI - INTERLOCK SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF6-12-10	3/4"	41.3	16	10	5/8"
TIF6-12-12	3/4"	41.3	20	12	3/4"
TIF6-12-16	3/4"	41.3	25	16	1"
TIF6-16-10	1"	47.6	16	10	5/8"
TIF6-16-12	1"	47.6	20	12	3/4"
TIF6-16-16	1"	47.6	25	16	1"
TIF6-16-20	1"	47.6	32	20	1.1/4"
TIF6-20-16	1.1/4"	54	25	16	1"
TIF6-20-20	1.1/4"	54	32	20	1.1/4"
TIF6-20-24	1.1/4"	54	40	24	1.1/2"
TIF6-24-20	1.1/2"	63.5	32	20	1.1/4"
TIF6-24-24	1.1/2"	63.5	40	24	1.1/2"
TIF6-24-32	1.1/2"	63.5	50	32	2"
TIF6-32-24	2"	79.4	40	24	1.1/2"
TIF6-32-32	2"	79.4	50	32	2"

TIF645

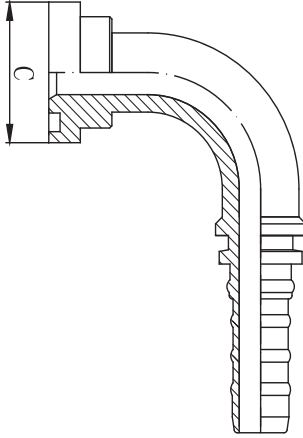


FLANGE CURVA 45° CÓD. 62 6000 PSI - INTERLOCK SAE J518

CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF645-12-10	3/4"	41.3	16	10	5/8"
TIF6 45-12-12	3/4"	41.3	20	12	3/4"
TIF645-12-16	3/4"	41.3	25	16	1"
TIF645-16-10	1"	47.6	16	10	5/8"
TIF6 45-16-12	1"	47.6	20	12	3/4"
TIF645-16-12	1"	47.6	20	12	3/4"
TIF645-16-16	1"	47.6	25	16	1"
TIF645-16-20	1"	47.6	32	20	1.1/4"
TIF645-20-16	1.1/4"	54	25	16	1"
TIF645-20-20	1.1/4"	54	32	20	1.1/4"
TIF645-24-20	1.1/2"	63.5	32	20	1.1/4"
TIF645-24-20	1.1/2"	63.5	32	20	1.1/4"
TIF645-24-24	1.1/2"	63.5	40	24	1.1/2"
TIF645-32-24	2"	79.4	40	24	1.1/2"
TIF645-32-32	2"	79.4	50	32	2"

TIF690

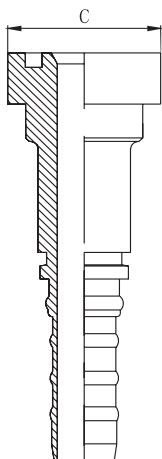
FLANGE CURVA 90° Cód. 62 6000 PSI - INTERLOCK SAE J518



CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIF690-12-10	3/4"	41.3	16	10	5/8"
TIF690-12-12	3/4"	41.3	20	12	3/4"
TIF690-12-16	3/4"	41.3	25	16	1"
TIF690-16-10	1"	47.6	16	10	5/8"
TIF690-16-12	1"	47.6	20	12	3/4"
TIF690-16-16	1"	47.6	25	16	1"
TIF690-20-16	1.1/4"	54	25	16	1"
TIF690-20-20	1.1/4"	54	32	20	1.1/4"
TIF690-24-20	1.1/2"	63.5	32	20	1.1/4"
TIF690-24-24	1.1/2"	63.5	40	24	1.1/2"
TIF690-24-24	1.1/2"	63.5	40	24	1.1/2"
TIF690-32-24	2"	79.4	40	24	1.1/2"
TIF690-32-32	2"	79.4	50	32	2"

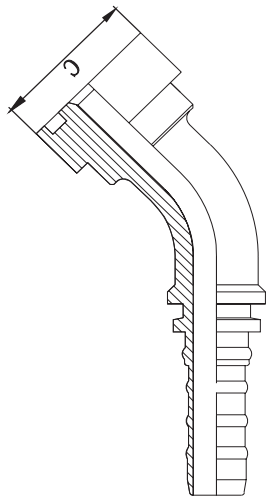
TIFC

FLANGE RETA SUPERCAT 9000 PSI - INTERLOCK



CÓDIGO	FLANGE	DIMENSÃO "C"	MANGUEIRA		
			DN	TRAÇO	POL.
TIFC-12-12	3/4"	41.3	20	12	3/4"
TIFC-16-12	1"	47.6	20	12	3/4"
TIFC-16-16	1"	47.6	25	16	1"
TIFC-20-16	1.1/4"	54	25	16	1"
TIFC-20-20	1.1/4"	54	32	20	1.1/4"
TIFC-24-20	1.1/2"	63.5	32	20	1.1/4"
TIFC-24-24	1.1/2"	63.5	40	24	1.1/2"
TIFC-24-32	1.1/2"	63.5	50	32	2"
TIFC-32-24	2"	79.4	40	24	1.1/2"
TIFC-32-32	2"	79.4	50	32	2"

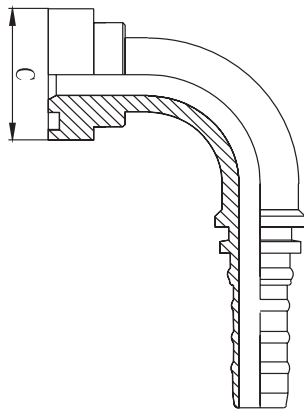
TIFC45



FLANGE CURVA 45° SUPERCAT 9000 PSI - INTERLOCK

CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TIFC45-12-12	3/4"	41.3	20	12	3/4"
TIFC45-16-12	1"	47.6	20	12	3/4"
TIFC45-16-16	1"	47.6	25	16	1"
TIFC45-20-16	1.1/4"	54	25	16	1"
TIFC45-20-20	1.1/4"	54	32	20	1.1/4"
TIFC45-24-20	1.1/2"	63.5	32	20	1.1/4"
TIFC45-24-24	1.1/2"	63.5	40	24	1.1/2"
TIFC45-32-24	2"	79.4	40	24	1.1/2"
TIFC45-32-32	2"	79.4	50	32	2"

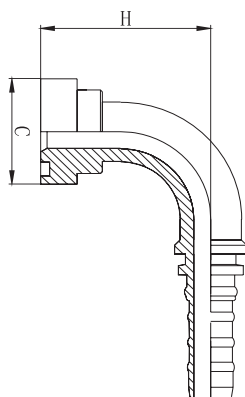
TIFC90



FLANGE CURVA 90° SUPERCAT 9000 PSI - INTERLOCK

CÓDIGO	FLANGE	DIMENSÃO "C"	DN	MANGUEIRA	
				TRAÇO	POL.
TIFC90-12-12	3/4"	41.3	20	12	3/4"
TIFC90-16-12	1"	47.6	20	12	3/4"
TIFC90-16-16	1"	47.6	25	16	1"
TIFC90-20-16	1.1/4"	54	25	16	1"
TIFC90-20-20	1.1/4"	54	32	20	1.1/4"
TIFC90-24-20	1.1/2"	63.5	32	20	1.1/4"
TIFC90-24-24	1.1/2"	63.5	40	24	1.1/2"
TIFC90-32-24	2"	79.4	40	24	1.1/2"
TIFC90-32-32	2"	79.4	50	32	2"

TIFC90L



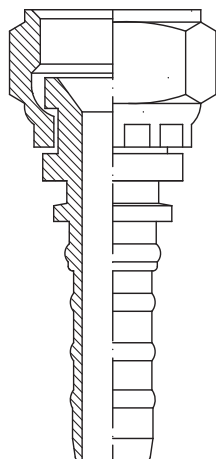
FLANGE CURVA 90° LONGA SUPERCAT 9000 PSI - INTERLOCK

CÓDIGO	FLANGE	DIMENSÃO "H"	DN	MANGUEIRA	
				TRAÇO	POL.
TIFC90-16-16	1" 47.6	114	25	16	1"

TIFJ

FÊMEA GIRATÓRIA RETA UNF JIC 37° - INTERLOCK

SAE J514

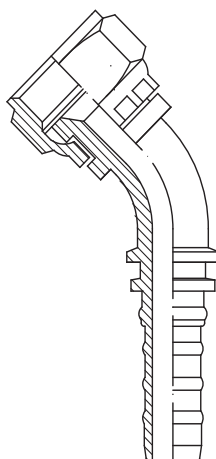


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFJ-12-12	1.1/16"X12	20	12	3/4"
TIFJ-16-12	1.5/16"X12	20	12	3/4"
TIFJ-16-16	1.5/16"X12	25	16	1"
TIFJ-20-16	1.5/8"X12	25	16	1"
TIFJ-20-20	1.5/8"X12	32	20	1.1/4"
TIFJ-24-24	1.7/8"X12	40	24	1.1/2"
TIFJ-32-32	2.1/2"X12	50	32	2"

TIFJ45

FÊMEA GIRATÓRIA CURVA 45° UNF JIC 37° - INTERLOCK

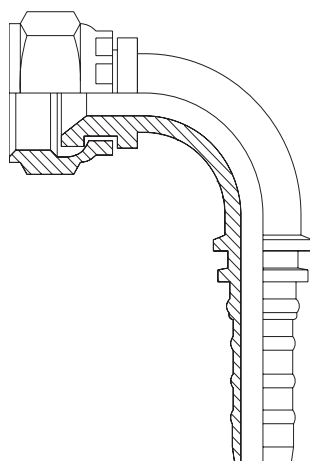
SAE J514



CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFJ45-12-12	1.1/16"X12	20	12	3/4"
TIFJ45-16-12	1.5/16"X12	20	12	3/4"
TIFJ45-16-16	1.5/16"X12	25	16	1"
TIFJ45-20-16	1.5/8"X12	25	16	1"
TIFJ45-20-20	1.5/8"X12	32	20	1.1/4"
TIFJ45-24-24	1.7/8"X12	40	24	1.1/2"
TIFJ45-32-32	2.1/2"X12	50	32	2"

TIFJ90

FÊMEA GIRATÓRIA CURVA 90° JIC 37° INTERLOCK

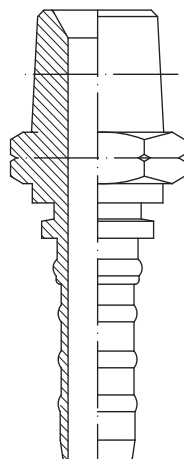


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFJ90-12-12	1.1/16"X12	20	12	3/4"
TIFJ90-16-12	1.5/16"X12	20	12	3/4"
TIFJ90-16-16	1.5/16"X12	25	16	1"
TIFJ90-20-16	1.5/8"X12	25	16	1"
TIFJ90-20-20	1.5/8"X12	32	20	1.1/4"
TIFJ90-24-20	1.7/8"X12	32	20	1.1/4"
TIFJ90-24-24	1.7/8"X12	40	24	1.1/2"
TIFJ90-32-32	2.1/2"X12	50	32	2"

TIMP

MACHO FIXO NPT - INTERLOCK

SEDE 60°/SAE J516

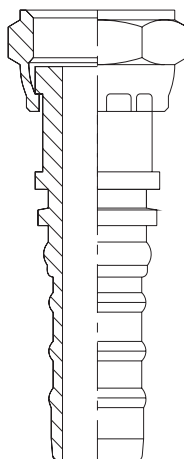


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TIMP-12-12	3/4"X14	20	12	3/4"
TIMP-16-16	1"X11.5	25	16	1"
TIMP-20-20	1.1/4"X11.5	32	20	1.1/4"
TIMP-24-24	1.1/2"X11.5	40	24	1.1/2"
TIMP-32-32	2"X11.5	50	32	2"
TIFJ-24-24	1.7/8"X12	40	24	1.1/2"
TIFJ-32-32	2.1/2"X12	50	32	2"

TIFSP

FÊMEA GIRATÓRIA RETA SEDE PLANA (ORFS) - INTERLOCK

SAE J1453

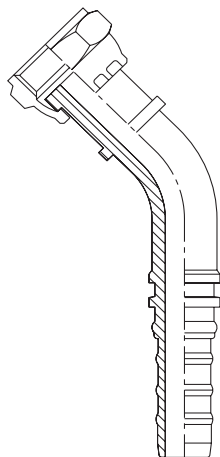


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TIFSP-10-10	1"X14	16	10	5/8"
TIFSP-12-12	1.3/16"X12	20	12	3/4"
TIFSP-12-16	1.3/16"X12	25	16	1"
TIFSP-16-12	1.7/16"X12	20	12	3/4"
TIFSP-16-16	1.7/16"X12	25	16	1"
TIFSP-20-16	1.11/16"X12	25	16	1"
TIFSP-20-16	1.11/16"X12	25	16	1"
TIFSP-24-24	2"X12	40	24	1.1/2"

TIFSP45

FÊMEA GIRATÓRIA CURVA 45° SEDE PLANA (ORFS) - INTERLOCK

SAE J1453

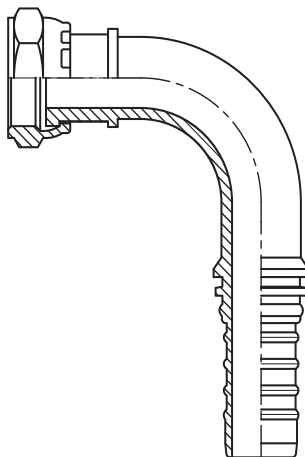


CÓDIGO	ROSCA	DN	MANGUEIRA	
			TRAÇO	POL.
TIFSP45-12-12	1.3/16"X12	20	12	3/4"
TIFSP45-16-16	1.7/16"X12	25	16	1"
TIFSP45-20-20	1.11/16"X12	32	20	1.1/4"
TIFSP45-24-24	2"X12	40	24	1.1/2"

TIFSP90

FÊMEA GIRATÓRIA CURVA 90° SEDE PLANA (ORFS) - INTERLOCK

SAE J1453

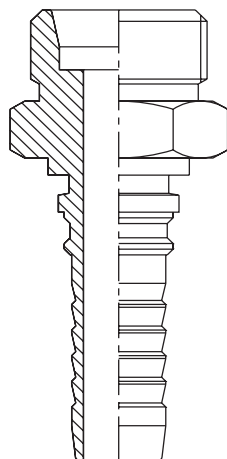


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFSP90-12-12	1.3/16"X12	20	12	3/4"
TIFSP90-16-16	1.7/16"X12	25	16	1"
TIFSP90-20-20	1.11/16"X12	32	20	1.1/4"
TIFSP90-20-16	1.11/16"X12	25	16	1"
TIFSP90-24-24	2"X12	40	24	1.1/2"

TIMM

MACHO MÉTRICO PARA TUBO - INTERLOCK

SEDE 24°/DIN 3853 - 3861

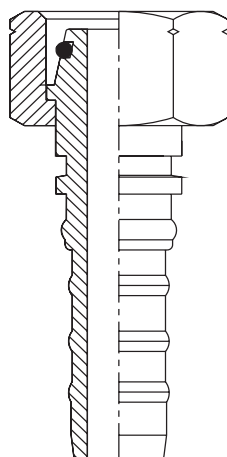


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TIMM-30-20-10	M30X2.0	20	16	10	5/8"
TIMM-30-20-12	M30X2.0	20	20	12	3/4"
TIMM-36-25-12	M36X2.0	25	20	12	3/4"
TIMM-36-25-16	M36X2.0	25	25	16	1"
TIMM-42-30-16	M42X2.0	30	25	16	1"
TIMM-52-38-20	M52X2.0	38	32	20	1.1/4"
TIMM-52-38-24	M52X2.0	38	40	24	1.1/2"

TIFDKO

FÊMEA GIRATÓRIA RETA MÉTRICA DKO - INTERLOCK

SEDE 24°/DIN 3865

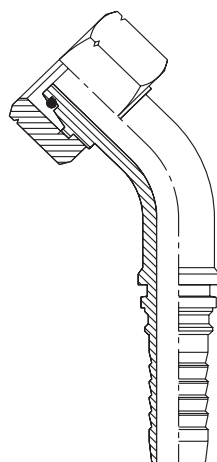


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TIFDKO-30-20-10	M30X2.0	20	16	10	5/8"
TIFDKO-30-20-12	M30X2.0	20	20	12	3/4"
TIFDKO-36-25-12	M36X2.0	25	20	12	3/4"
TIFDKO-36-25-16	M36X2.0	25	25	16	1"
TIFDKO-42-30-12	M42X2.0	30	20	12	3/4"
TIFDKO-42-30-16	M42X2.0	30	25	16	1"
TIFDKO-42-30-20	M42X2.0	30	32	20	1.1/4"
TIFDKO-52-38-16	M52X2.0	38	25	16	1"
TIFDKO-52-38-20	M52X2.0	38	32	20	1.1/4"
TIFDKO-52-38-24	M52X2.0	38	40	24	1.1/2"

TIFDK045

FÊMEA GIRATÓRIA CURVA 45° MÉTRICA DKO - INTERLOCK

SEDE 24°/DIN 3865

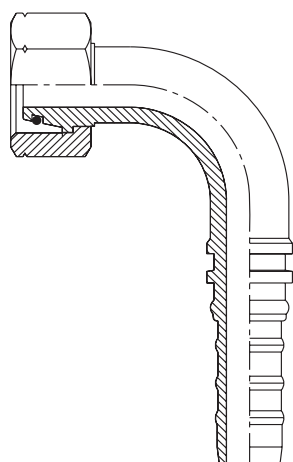


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TIFDK045-24-16-10	M24X2.0	16	16	10	5/8"
TIFDK045-30-20-10	M30X2.0	20	16	10	5/8"
TIFDK045-30-20-12	M30X2.0	20	20	12	3/4"
TIFDK045-36-25-12	M36X2.0	25	20	12	3/4"
TIFDK045-36-25-16	M36X2.0	25	25	16	1"
TIFDK045-42-30-10	M42X2.0	30	16	10	5/8"
TIFDK045-42-30-16	M42X2.0	30	25	16	1"
TIFDK045-42-30-20	M42X2.0	30	32	20	1.1/4"
TIFDK045-52-38-16	M52X2.0	38	14	16	1"
TIFDK045-52-38-20	M52X2.0	38	32	20	1.1/4"
TIFDK045-52-38-24	M52X2.0	38	40	24	1.1/2"

TIFDK090

FÊMEA GIRATÓRIA CURVA 90° MÉTRICA DKO - INTERLOCK

SEDE 24°/DIN 3865

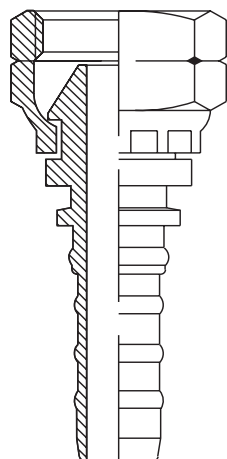


CÓDIGO	ROSCA	DN TUBO	MANGUEIRA		
			DN	TRAÇO	POL.
TIFDK090-30-20-10	M30X2.0	20	16	10	5/8"
TIFDK090-30-20-12	M30X2.0	20	20	12	3/4"
TIFDK090-36-25-12	M36X2.0	25	20	12	3/4"
TIFDK090-36-25-16	M36X2.0	25	25	16	1"
TIFDK090-42-30-16	M42X2.0	30	25	16	1"
TIFDK090-42-30-20	M42X2.0	30	32	20	1.1/4"
TIFDK090-52-38-20	M52X2.0	38	32	20	1.1/4"

TIFB

FÊMEA GIRATÓRIA RETA BSP - INTERLOCK

SEDE 60°/BS 5200

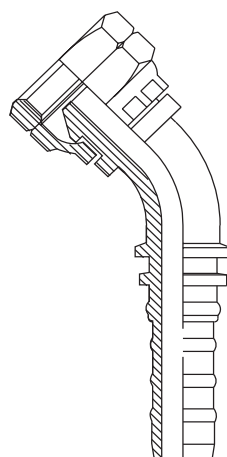


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFB-12-12	3/4"X14	20	12	3/4"
TIFB-12-16	3/4"X14	25	16	1"
TIFB-16-12	1"X11	20	12	3/4"
TIFB-16-16	1"X11	25	16	1"
TIFB-20-16	1.1/4"X11	25	16	1"
TIFB-20-20	1.1/4"X11	32	20	1.1/4"
TIFB-24-20	1.1/2"X11	32	20	1.1/4"
TIFB-24-24	1.1/2"X11	40	24	1.1/2"
TIFB-32-32	2"X11	50	32	2"

TIFB45

FÊMEA GIRATÓRIA CURVA 45° BSP - INTERLOCK

SEDE 60°/BS 5200

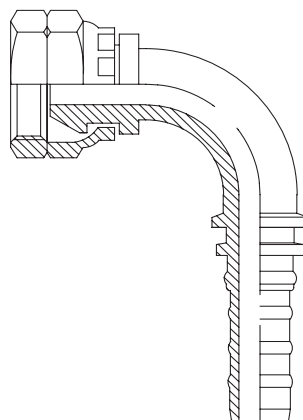


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFB45-12-12	3/4"X14	20	12	3/4"
TIFB45-12-16	3/4"X14	25	16	1"
TIFB45-16-12	1"X11	20	12	3/4"
TIFB45-16-16	1"X11	25	16	1"
TIFB45-20-16	1.1/4"X11	25	16	1"
TIFB45-20-20	1.1/4"X11	32	20	1.1/4"
TIFB45-24-20	1.1/2"X11	32	20	1.1/4"
TIFB45-24-24	1.1/2"X11	40	24	1.1/2"
TIFB45-32-32	2"X11	50	32	2"

TIFB90

FÊMEA GIRATÓRIA CURVA 90° BSP - INTERLOCK

SEDE 60°/BS 5200

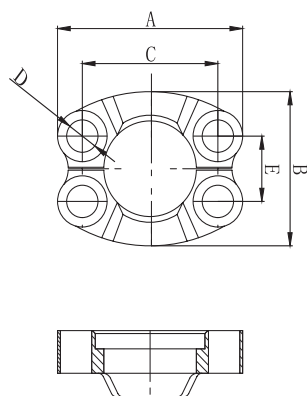


CÓDIGO	ROSCA	MANGUEIRA		
		DN	TRAÇO	POL.
TIFB90-12-12	3/4"X14	20	12	3/4"
TIFB90-12-16	3/4"X14	25	16	1"
TIFB90-16-12	1"X11	20	12	3/4"
TIFB90-16-16	1"X11	25	16	1"
TIFB90-20-16	1.1/4"X11	25	16	1"
TIFB90-20-20	1.1/4"X11	32	20	1.1/4"
TIFB90-24-20	1.1/2"X11	32	20	1.1/4"
TIFB90-24-24	1.1/2"X11	40	24	1.1/2"
TIFB90-32-32	2"X11	50	32	2"



ACSPLIT3

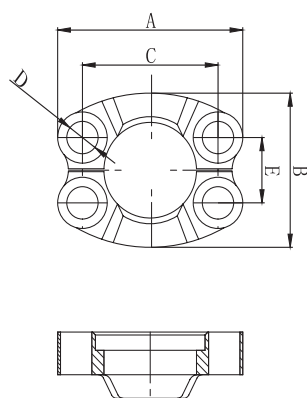
SPLIT FLANGE COD. 61



CÓDIGO	FLANGE	PARAFUSO	DIMENSÃO				
			A	B	C	D	E
ACSPLIT3-08	1/2"	M8X25	53.8	46.1	17.5	9	17.5
ACSPLIT3-12	3/4"	M10X30	65	52.4	22.2	11	22.2
ACSPLIT3-16	1"	M10X30	69.9	58.7	26.2	11	26.2
ACSPLIT3-20	1.1/4"	M10X30	79.2	73	30.2	11	30.2
ACSPLIT3-24	1.1/2"	M12X35	93.7	82.6	35.7	13.5	35.7
ACSPLIT3-32	2"	M12X35	101.6	96.8	42.9	13.5	42.9

ACSPLIT6

SPLIT FLANGE COD. 62

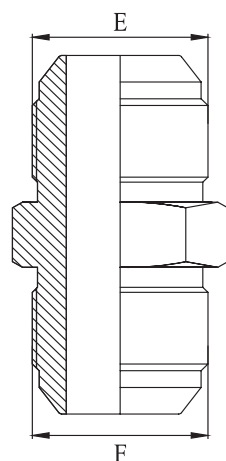


CÓDIGO	FLANGE	PARAFUSO	DIMENSÃO				
			A	B	C	D	E
ACSPLIT6-08	1/2"	M8X30	56.3	49.2	40.5	9	18.2
ACSPLIT6-12	3/4"	M10X35	71.4	61.8	50.8	11	23.8
ACSPLIT6-16	1"	M12X45	81	71.4	57.2	13	27.8
ACSPLIT6-20	1.1/4"	M14X30	95.3	79.2	66.7	15	31.8
ACSPLIT6-24	1.1/2"	M16X55	112.8	96.8	79.4	17	36.6
ACSPLIT6-32	2"	M20X70	133.4	115.6	96.8	21	44.4



ADMJMJ

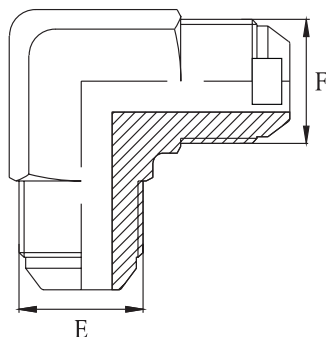
ADAPTADOR RETO MACHO JIC 37° X MACHO JIC 37°



CÓDIGO	ROSCA	
	E	F
ADMJMJ-04-04	7/16"X20	7/16"X20
ADMJMJ-05-04	1/2"X20	7/16"X20
ADMJMJ-05-05	1/2"X20	1/2"X20
ADMJMJ-06-04	9/16"X18	7/16"X20
ADMJMJ-06-05	9/16"X18	1/2"X20
ADMJMJ-06-06	9/16"X18	9/16"X18
ADMJMJ-08-04	3/4"X16	7/16"X20
ADMJMJ-08-06	3/4"X16	9/16"X18
ADMJMJ-08-08	3/4"X16	3/4"X16
ADMJMJ-10-06	7/8"X14	9/16"X18
ADMJMJ-10-08	7/8"X14	3/4"X16
ADMJMJ-10-10	7/8"X14	7/8"X14
ADMJMJ-12-06	1.1/16"X12	9/16"X18
ADMJMJ-12-08	1.1/16"X12	3/4"X16
ADMJMJ-12-10	1.1/16"X12	7/8"X14
ADMJMJ-12-12	1.1/16"X12	1.1/16"X12
ADMJMJ-16-08	1.5/16"X12	3/4"X16
ADMJMJ-16-10	1.5/16"X12	7/8"X14
ADMJMJ-16-12	1.5/16"X12	1.1/16"X12
ADMJMJ-16-16	1.5/16"X12	1.5/16"X12
ADMJMJ-20-16	1.5/8"X12	1.5/16"X12
ADMJMJ-20-20	1.5/8"X12	1.5/8"X12
ADMJMJ-24-20	1.7/8"X12	1.5/8"X12
ADMJMJ-24-24	1.7/8"X12	1.7/8"X12
ADMJMJ-32-20	2.1/2"X12	1.5/8"X12
ADMJMJ-32-24	2.1/2"X12	1.7/8"X12
ADMJMJ-32-32	2.1/2"X12	2.1/2"X12

AD90MJMJ

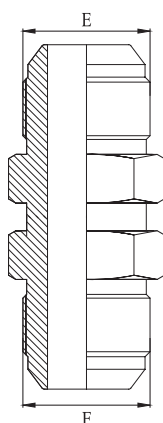
ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO JIC 37°



CÓDIGO	ROSCA	
	E	F
AD90MJMJ-04-04	7/16"X20	7/16"X20
AD90MJMJ-05-05	1/2"X20	1/2"X20
AD90MJMJ-06-06	9/16"X18	9/16"X18
AD90MJMJ-08-08	3/4"X16	3/4"X16
AD90MJMJ-10-10	7/8"X14	7/8"X14
AD90MJMJ-12-12	1.5/16"X12	1.5/16"X12
AD90MJMJ-16-16	1.5/8"X12	1.5/8"X12
AD90MJMJ-20-20	1.7/8"X12	1.7/8"X12
AD90MJMJ-24-24	2.1/2"X12	2.1/2"X12

ADMJMJL

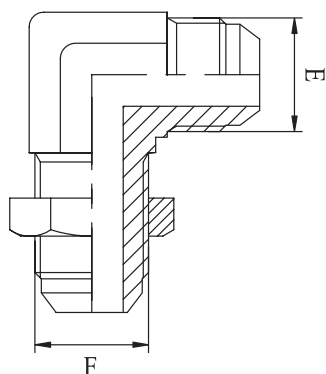
ADAPTADOR RETO MACHO JIC 37° X MACHO JIC 37° PAINEL / LONGO



CÓDIGO	ROSCA	
	E	F
ADMJMJL-04-04	7/16"X20	7/16"X20
ADMJMJL-06-06	9/16"X18	9/16"X18
ADMJMJL-08-08	3/4"X16	3/4"X16
ADMJMJL-10-10	7/8"X14	7/8"X14
ADMJMJL-12-12	1.1/16"X12	1.1/16"X12
ADMJMJL-16-16	1.5/16"X12	1.5/16"X12
ADMJMJL-20-20	1.5/8"X12	1.5/8"X12
ADMJMJL-24-24	1.7/8"X12	1.7/8"X12
ADMJMJL-32-32	2.1/2"X12	2.1/2"X12

AD90MJMJL

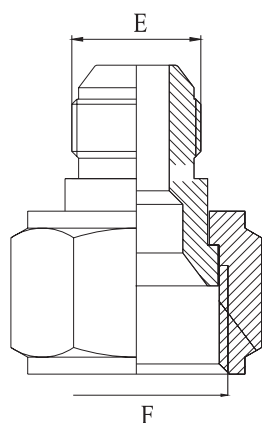
ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO JIC 37° PAINEL / LONGO



CÓDIGO	ROSCA	
	E	F
AD90MJMJL-04-04	7/16"X20	7/16"X20
AD90MJMJL-05-05	1/2"X20	1/2"X20
AD90MJMJL-06-06	9/16"X18	9/16"X18
AD90MJMJL-08-08	3/4"X16	3/4"X16
AD90MJMJL-10-10	7/8"X14	7/8"X14
AD90MJMJL-12-12	1.1/16"X12	1.1/16"X12
AD90MJMJL-16-16	1.5/16"X12	1.5/16"X12
AD90MJMJL-20-20	1.5/8"X12	1.5/8"X12
AD90MJMJL-24-24	1.7/8"X12	1.7/8"X12

ADMJFJ

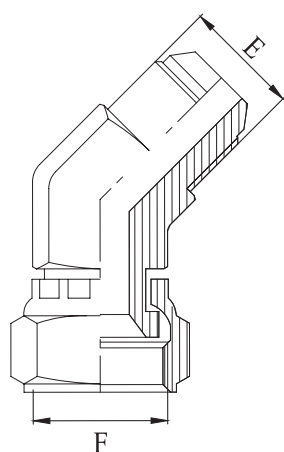
ADAPTADOR RETO MACHO JIC 37° X FÊMEA JIC 37°



CÓDIGO	ROSCA	
	E	F
ADMJFJ-04-06	7/16"X20	9/16"X18
ADMJFJ-04-08	7/16"X20	3/4"X16
ADMJFJ-04-10	7/16"X20	7/8"X14
ADMJFJ-04-12	7/16"X20	1.1/16"X12
ADMJFJ-05-08	1/2"X20	3/4"X16
ADMJFJ-05-10	1/2"X20	7/8"X14
ADMJFJ-05-12	1/2"X20	1.1/16"X12
ADMJFJ-06-08	9/16"X18	3/4"X16
ADMJFJ-06-10	9/16"X18	7/8"X14
ADMJFJ-06-12	9/16"X18	1.1/16"X12
ADMJFJ-06-16	9/16"X18	1.5/16"X12
ADMJFJ-08-12	3/4"X16	1.1/16"X12
ADMJFJ-08-16	3/4"X16	1.5/16"X12
ADMJFJ-08-20	3/4"X16	1.5/8"X12
ADMJFJ-10-16	7/8"X14	1.5/16"X12
ADMJFJ-10-20	7/8"X14	1.5/8"X12
ADMJFJ-10-24	7/8"X14	1.7/8"X12
ADMJFJ-12-16	1.1/16"X12	1.5/16"X12
ADMJFJ-12-20	1.1/16"X12	1.5/8"X12
ADMJFJ-12-24	1.1/16"X12	1.7/8"X12
ADMJFJ-16-20	1.5/16"X12	1.5/8"X12
ADMJFJ-16-24	1.5/16"X12	1.7/8"X12
ADMJFJ-20-24	1.5/8"X12	1.7/8"X12

AD45MJFJ

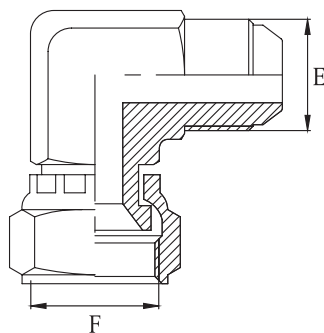
ADAPTADOR CURVA 45° MACHO JIC 37° X FÊMEA JIC 37°



CÓDIGO	ROSCA	
	E	F
AD45MJFJ-04-04	7/16"X20	7/16"X20
AD45MJFJ-05-05	1/2"X20	1/2"X20
AD45MJFJ-06-06	9/16"X18	9/16"X18
AD45MJFJ-08-08	3/4"X16	3/4"X16
AD45MJFJ-10-10	7/8"X14	7/8"X14
AD45MJFJ-12-12	1.1/16"X12	1.1/16"X12
AD45MJFJ-16-16	1.5/16"X12	1.5/16"X12
AD45MJFJ-20-20	1.5/8"X12	1.5/8"X12
AD45MJFJ-24-24	1.7/8"X12	1.7/8"X12
AD45MJFJ-32-32	2.1/2"X12	2.1/2"X12

AD90MJFJ

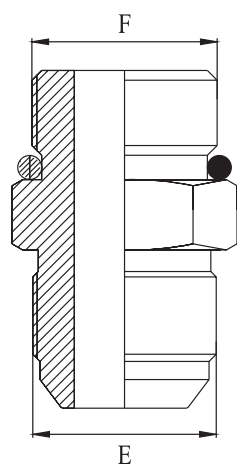
ADAPTADOR CURVA 90° MACHO JIC 37° X FÊMEA JIC 37°



CÓDIGO	ROSCA	
	E	F
AD90MJFJ-04-04	7/16"X20	7/16"X20
AD90MJFJ-05-05	1/2"X20	1/2"X20
AD90MJFJ-06-06	9/16"X18	9/16"X18
AD90MJFJ-06-08	9/16"X18	3/4"X16
AD90MJFJ-08-06	3/4"X16	9/16"X18
AD90MJFJ-08-08	3/4"X16	3/4"X16
AD90MJFJ-08-10	3/4"X16	7/8"X14
AD90MJFJ-10-08	7/8"X14	3/4"X16
AD90MJFJ-10-10	7/8"X14	7/8"X14
AD90MJFJ-10-12	7/8"X14	1.1/16"X12
AD90MJFJ-12-10	1.1/16"X12	7/8"X14
AD90MJFJ-12-12	1.1/16"X12	1.1/16"X12
AD90MJFJ-12-16	1.1/16"X12	1.5/16"X12
AD90MJFJ-16-16	1.5/16"X12	1.5/16"X12
AD90MJFJ-16-20	1.5/16"X12	1.5/8"X12
AD90MJFJ-20-16	1.5/8"X12	1.5/16"X12
AD90MJFJ-20-20	1.5/8"X12	1.5/8"X12
AD90MJFJ-20-24	1.5/8"X12	1.7/8"X12
AD90MJFJ-24-20	1.7/8"X12	1.5/8"X12
AD90MJFJ-24-24	1.7/8"X12	1.7/8"X12
AD90MJFJ-32-32	2.1/2"X12	2.1/2"X12

ADMJMO

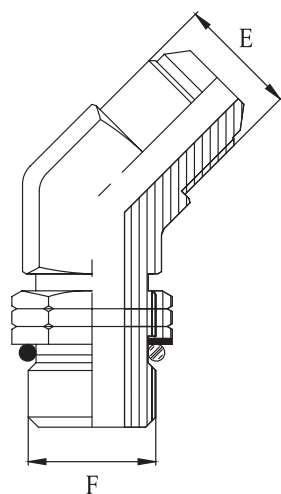
ADAPTADOR RETO MACHO UNF X MACHO JIC 37° COM O'RING



CÓDIGO	ROSCA	
	F	E
ADMJMO-04-04	7/16"X20	7/16"X20
ADMJMO-04-05	7/16"X20	1/2"X20
ADMJMO-04-06	7/16"X20	9/16"X18
ADMJMO-05-04	1/2"X20	7/16"X20
ADMJMO-05-05	1/2"X20	1/2"X20
ADMJMO-05-06	1/2"X20	9/16"X18
ADMJMO-06-04	9/16"X18	7/16"X20
ADMJMO-06-05	9/16"X18	1/2"X20
ADMJMO-06-06	9/16"X18	9/16"X18
ADMJMO-06-08	9/16"X18	3/4"X16
ADMJMO-08-05	3/4"X16	1/2"X20
ADMJMO-08-06	3/4"X16	9/16"X18
ADMJMO-08-08	3/4"X16	3/4"X16
ADMJMO-08-10	3/4"X16	7/8"X14
ADMJMO-08-12	3/4"X16	1.1/16"X12
ADMJMO-10-06	7/8"X14	9/16"X18
ADMJMO-10-08	7/8"X14	3/4"X16
ADMJMO-10-10	7/8"X14	7/8"X14
ADMJMO-10-12	7/8"X14	1.1/16"X12
ADMJMO-12-08	1.1/16"X12	3/4"X16
ADMJMO-12-10	1.1/16"X12	7/8"X14
ADMJMO-12-12	1.1/16"X12	1.1/16"X12
ADMJMO-12-16	1.1/16"X12	1.5/16"X12
ADMJMO-16-12	1.5/16"X12	1.1/16"X12
ADMJMO-16-16	1.5/16"X12	1.5/16"X12
ADMJMO-20-20	1.5/8"X12	1.5/8"X12
ADMJMO-24-24	1.7/8"X12	1.7/8"X12
ADMJMO-32-32	2.1/2"X12	2.1/2"X12

AD45MJMO

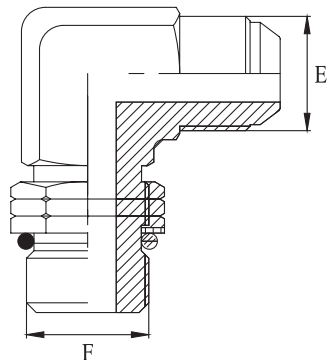
ADAPTADOR CURVA 45° MACHO UNF X MACHO JIC 37° COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	F	E
AD45MJMO-04-04	7/16"X20	7/16"X20
AD45MJMO-04-06	7/16"X20	9/16"X18
AD45MJMO-05-05	1/2"X20	1/2"X20
AD45MJMO-06-04	9/16"X18	7/16"X20
AD45MJMO-06-06	9/16"X18	9/16"X18
AD45MJMO-06-08	9/16"X18	3/4"X16
AD45MJMO-08-06	3/4"X16	9/16"X18
AD45MJMO-08-08	3/4"X16	3/4"X16
AD45MJMO-08-10	3/4"X16	7/8"X14
AD45MJMO-08-12	3/4"X16	1.1/16"X12
AD45MJMO-10-08	7/8"X14	7/8"X14
AD45MJMO-10-08	7/8"X14	3/4"X16
AD45MJMO-10-10	7/8"X14	7/8"X14
AD45MJMO-10-12	7/8"X14	1.1/16"X12
AD45MJMO-12-08	1.1/16"X12	3/4"X16
AD45MJMO-12-10	1.1/16"X12	7/8"X14
AD45MJMO-12-12	1.1/16"X12	1.1/16"X12
AD45MJMO-12-16	1.1/16"X12	1.5/16"X12
AD45MJMO-16-12	1.5/16"X12	1.1/16"X12
AD45MJMO-16-16	1.5/8"X12	1.5/16"X12
AD45MJMO-20-20	1.5/8"X12	1.5/8"X12

AD90MJMO

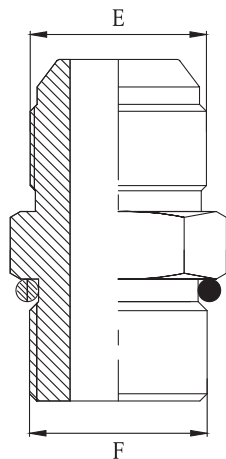
ADAPTADOR CURVA 90° MACHO UNF X MACHO JIC 37° COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	F	E
AD90MJMO-04-04	7/16"X20	7/16"X20
AD90MJMO-04-06	7/16"X20	9/16"X18
AD90MJMO-05-05	1/2"X20	1/2"X20
AD90MJMO-06-04	9/16"X18	7/16"X20
AD90MJMO-06-06	9/16"X18	9/16"X18
AD90MJMO-06-08	9/16"X18	3/4"X16
AD90MJMO-08-06	3/4"X16	9/16"X18
AD90MJMO-08-08	3/4"X16	3/4"X16
AD90MJMO-08-10	3/4"X16	7/8"X14
AD90MJMO-08-12	3/4"X16	1.1/16"X12
AD90MJMO-10-08	7/8"X14	3/4"X16
AD90MJMO-10-10	7/8"X14	7/8"X14
AD90MJMO-10-12	7/8"X14	1.1/16"X12
AD90MJMO-12-08	1.1/16"X12	3/4"X16
AD90MJMO-12-10	1.1/16"X12	7/8"X14
AD90MJMO-12-12	1.1/16"X12	1.1/16"X12
AD90MJMO-12-16	1.1/16"X12	1.5/16"X12
AD90MJMO-16-12	1.5/16"X12	1.1/16"X12
AD90MJMO-16-16	1.5/16"X12	1.5/16"X12
AD90MJMO-20-20	1.5/8"X12	1.5/8"X12

ADMJMM

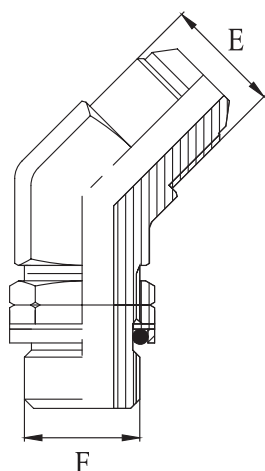
ADAPTADOR RETO MACHO JIC 37° X MACHO MÉTRICO COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMJMM-04-10	7/16"X20	10X1
ADMJMM-04-12	7/16"X20	12X1.5
ADMJMM-04-14	7/16"X20	14X1.5
ADMJMM-05-10	1/2"X20	10X1
ADMJMM-05-12	1/2"X20	12X1.5
ADMJMM-05-14	1/2"X20	14X1.5
ADMJMM-06-14	9/16"X18	14X1.5
ADMJMM-06-16	9/16"X18	16X1.5
ADMJMM-06-18	9/16"X18	18X1.5
ADMJMM-08-14	3/4"X16	14X1.5
ADMJMM-08-16	3/4"X16	16X1.5
ADMJMM-08-18	3/4"X16	18X1.5
ADMJMM-08-22	3/4"X16	22X1.5
ADMJMM-10-16	7/8"X14	16X1.5
ADMJMM-10-18	7/8"X14	18X1.5
ADMJMM-10-22	7/8"X14	22X1.5
ADMJMM-12-22	1.1/16"X12	22X1.5
ADMJMM-12-27	1.1/16"X12	27X2
ADMJMM-16-27	1.5/16"X12	27X2

AD45MJMM

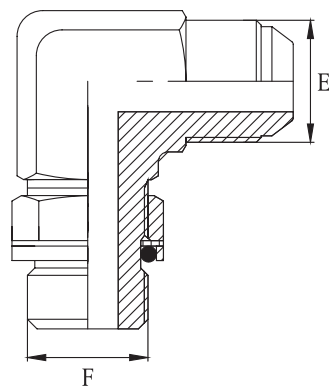
ADAPTADOR CURVA 45° MACHO JIC 37° X MACHO MÉTRICO COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	E	F
AD45MJMM-04-10	7/16"X20	10X1
AD45MJMM-04-12	7/16"X20	12X1.5
AD45MJMM-04-14	7/16"X20	14X1.5
AD45MJMM-05-12	1/2"X20	12X1.5
AD45MJMM-05-14	1/2"X20	14X1.5
AD45MJMM-06-14	9/16"X18	14X1.5
AD45MJMM-06-16	9/16"X18	16X1.5
AD45MJMM-06-18	9/16"X18	18X15
AD45MJMM-08-16	3/4"X16	16X1.5
AD45MJMM-08-18	3/4"X16	18X1.5
AD45MJMM-08-22	3/4"X16	22X15
AD45MJMM-10-16	7/8"X14	16X1.5
AD45MJMM-10-18	7/8"X14	18X1.5
AD45MJMM-10-22	7/8"X14	22X1.5
AD45MJMM-12-22	1.1/16"X12	22X1.5
AD45MJMM-12-27	1.1/16"X12	27X2
AD45MJMM-16-27	1.5/16"X12	27X2

AD90MJMM

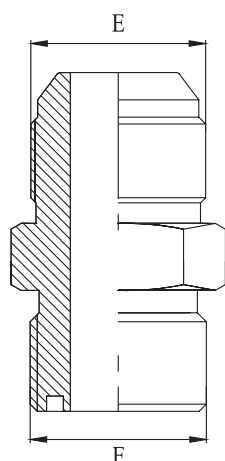
ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO MÉTRICO COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	E	F
AD90MJMM-04-10	7/16"X20	10X1
AD90MJMM-04-12	7/16"X20	12X1.5
AD90MJMM-04-14	7/16"X20	14X1.5
AD90MJMM-05-12	1/2"X20	12X1.5
AD90MJMM-05-14	1/2"X20	14X1.5
AD90MJMM-06-14	9/16"X18	14X1.5
AD90MJMM-06-16	9/16"X18	16X1.5
AD90MJMM-06-18	9/16"X18	18X1.5
AD90MJMM-08-16	3/4"X16	16X1.5
AD90MJMM-08-18	3/4"X16	18X1.5
AD90MJMM-08-22	3/4"X16	22X1.5
AD90MJMM-10-16	7/8"X14	16X1.5
AD90MJMM-10-18	7/8"X14	18X1.5
AD90MJMM-10-22	7/8"X14	22X1.5
AD90MJMM-12-22	1.1/16"X12	22X1.5
AD90MJMM-12-27	1.1/16"X12	27X2
AD90MJMM-16-27	1.5/16"X12	27X2

ADMJMSP

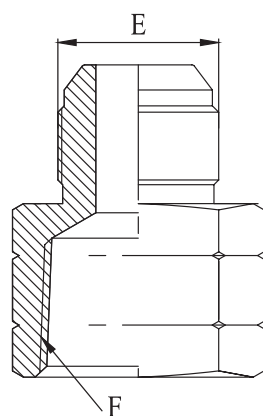
ADAPTADOR RETO MACHO JIC 37° X MACHO ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
ADMJMSP-04-04	7/16"X20	9/16"X18
ADMJMSP-05-04	1/2"X20	9/16"X18
ADMJMSP-05-06	1/2"X20	11/16"X16
ADMJMSP-06-04	9/16"X18	9/16"X18
ADMJMSP-08-06	3/4"X16	11/16"X16
ADMJMSP-08-08	3/4"X16	13/16"X16
ADMJMSP-10-08	7/8"X14	13/16"X16
ADMJMSP-10-10	7/8"X14	1"X14
ADMJMSP-12-10	1.1/16"X12	1"X14
ADMJMSP-12-12	1.1/16"X12	1.3/16"X12
ADMJMSP-16-12	1.5/16"X12	1.3/16"X12
ADMJMSP-16-16	1.5/16"X12	1.7/16"X12
ADMJMSP-20-16	1.5/8"X12	1.7/16"X12
ADMJMSP-20-20	1.5/8"X12	1.11/16"X12
ADMJMSP-24-20	1.7/8"X12	1.11/16"X12

ADMJFF

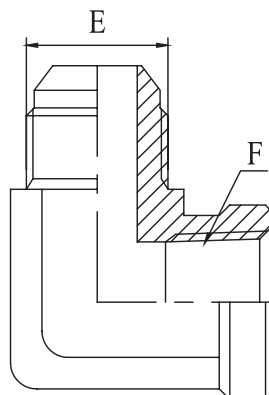
ADAPTADOR RETO MACHO JIC 37° X FÊMEA FIXA NPT



CÓDIGO	ROSCA	
	E	F
ADMJFF-04-02	7/16"X20	1/8"X27
ADMJFF-04-04	7/16"X20	1/4"X18
ADMJFF-05-04	1/2"X20	1/4"X18
ADMJFF-06-04	9/16"X18	1/4"X18
ADMJFF-06-06	9/16"X18	3/8"X18
ADMJFF-06-08	9/16"X18	1/2"X14
ADMJFF-08-06	3/4"X16	3/8"X18
ADMJFF-08-08	3/4"X16	1/2"X14
ADMJFF-08-12	3/4"X16	3/4"X14
ADMJFF-10-08	7/8"X14	1/2"X14
ADMJFF-10-12	7/8"X14	3/4"X14
ADMJFF-12-08	1.1/16"X12	1/2"X14
ADMJFF-12-12	1.1/16"X12	3/4"X14
ADMJFF-16-12	1.5/16"X12	3/4"X14
ADMJFF-16-16	1.5/16"X12	1"X11.5
ADMJFF-20-20	1.5/8"X12	1.1/4"X11.5
ADMJFF-24-24	1.7/8"X12	1.1/2"X11.5
ADMJFF-32-32	2.1/2"X12	2"X11.5

AD90MJFF

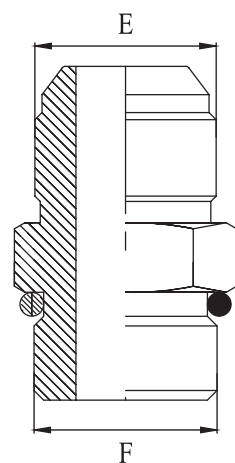
ADAPTADOR CURVA 90° MACHO JIC 37° X FÊMEA FIXA NPT



CÓDIGO	ROSCA	
	E	F
AD90MJFF-04-02	7/16"X20	1/8"X27
AD90MJFF-04-04	7/16"X20	1/4"X18
AD90MJFF-05-02	1/2"X20	1/8"X27
AD90MJFF-05-04	9/16"X18	1/4"X18
AD90MJFF-06-02	9/16"X18	1/8"X27
AD90MJFF-06-04	9/16"X18	1/4"X18
AD90MJFF-06-06	9/16"X18	3/8"X18
AD90MJFF-08-04	3/4"X16	1/4"X18
AD90MJFF-08-06	3/4"X16	3/8"X18
AD90MJFF-08-08	3/4"X16	1/2"X14
AD90MJFF-10-08	7/8"X14	1/2"X14
AD90MJFF-12-08	1.1/16"X12	1/2"X14
AD90MJFF-12-12	1.1/16"X12	3/4"X14
AD90MJFF-16-16	1.5/16"X12	1"X11.5
AD90MJFF-20-20	1.5/8"X12	1.1/4"X11.5
AD90MJFF-24-24	1.7/8"X12	1.1/2"X11.5

ADMJMB

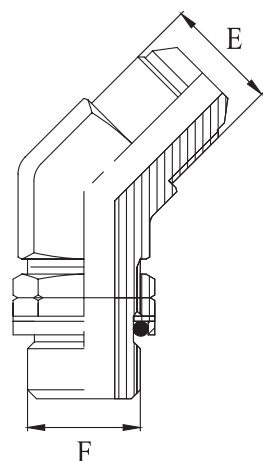
ADAPTADOR RETO MACHO JIC 37° X MACHO BSP COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMJMB-04-02	7/16"X20	1/8"X28
ADMJMB-04-04	7/16"X20	1/4"X19
ADMJMB-04-06	7/16"X20	3/8"X19
ADMJMB-04-08	7/16"X20	1/2"X14
ADMJMB-05-04	1/2"X20	1/4"X19
ADMJMB-05-06	1/2"X20	3/8"X19
ADMJMB-05-08	1/2"X20	1/2"X14
ADMJMB-06-04	9/16"X18	1/4"X19
ADMJMB-06-06	9/16"X18	3/8"X19
ADMJMB-06-08	9/16"X18	1/2"X14
ADMJMB-08-04	3/4"X16	1/4"X19
ADMJMB-08-06	3/4"X16	3/8"X19
ADMJMB-08-08	3/4"X16	1/2"X14
ADMJMB-08-12	3/4"X16	3/4"X14
ADMJMB-10-06	7/8"X14	3/8"X19
ADMJMB-10-08	7/8"X14	1/2"X14
ADMJMB-10-12	7/8"X14	3/4"X14
ADMJMB-12-08	1.1/16"X12	1/2"X14
ADMJMB-12-12	1.1/16"X12	3/4"X14
ADMJMB-12-16	1.1/16"X12	1"X11
ADMJMB-12-20	1.1/16"X12	1.1/4"X11
ADMJMB-16-12	1.5/16"X12	3/4"X14
ADMJMB-16-16	1.5/16"X12	1"X11
ADMJMB-16-20	1.5/16"X12	1.1/4"X11
ADMJMB-20-16	1.5/8"X12	1"X11
ADMJMB-20-20	1.5/8"X12	1.1/4"X11
ADMJMB-24-16	1.7/8"X12	1"X11
ADMJMB-24-20	1.7/8"X12	1.1/4"X11
ADMJMB-24-24	1.7/8"X12	1.1/2"X11

AD45MJMB

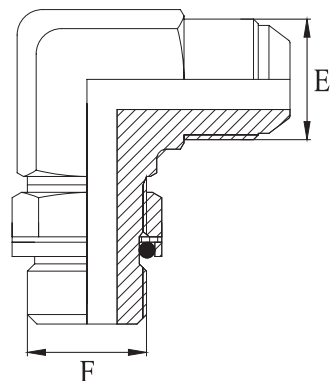
ADAPTADOR CURVA 45° MACHO JIC 37° X MACHO BSP COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	E	F
AD45MJMB-04-02	7/16X20	1/8"X28
AD45MJMB-04-04	7/16"X20	1/4"X19
AD45MJMB-04-06	7/16"X20	3/8"X19
AD45MJMB-04-08	7/16"X20	1/2"X14
AD45MJMB-05-04	1/2"X20	1/4"X19
AD45MJMB-06-04	9/16"X18	1/4"X19
AD45MJMB-06-06	9/16"X18	3/8"X19
AD45MJMB-06-08	9/16"X18	1/2"X14
AD45MJMB-08-06	3/4"X16	3/8"X19
AD45MJMB-08-08	3/4"X16	1/2"X14
AD45MJMB-08-12	3/4"X16	3/4"X14
AD45MJMB-10-06	7/8"X14	3/8"X19
AD45MJMB-10-08	7/8"X14	1/2"X14
AD45MJMB-10-10	7/8"X14	5/8"X14
AD45MJMB-10-12	7/8"X14	3/4"X14
AD45MJMB-12-08	1.1/16"X12	1/2"X14
AD45MJMB-12-12	1.1/16"X12	3/4"X14
AD45MJMB-12-16	1.1/16"X12	1"X11
AD45MJMB-16-12	1.5/16"X12	3/4"X14
AD45MJMB-16-16	1.5/16"X12	1"X11
AD45MJMB-16-20	1.5/16"X12	1.1/4"X11
AD45MJMB-20-20	1.5/8"X12	1.1/4"X11
AD45MJMB-24-24	1.7/8"X12	1.1/2"X11

AD90MJMB

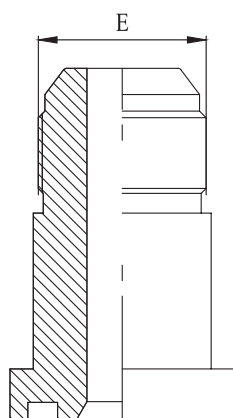
ADAPTADOR CURVA 90° MACHO JIC 37° X MACHO BSP COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	E	F
AD90MJMB-04-02	7/16"X20	1/8"X28
AD90MJMB-04-04	7/16"X20	1/4"X19
AD90MJMB-04-06	7/16"X20	3/8"X19
AD90MJMB-04-08	7/16"X20	1/2"X14
AD90MJMB-05-04	1/2"X20	1/4"X19
AD90MJMB-05-06	1/2"X20	3/8"X19
AD90MJMB-05-08	1/2"X20	1/2"X14
AD90MJMB-06-04	9/16"X18	1/4"X19
AD90MJMB-06-06	9/16"X18	3/8"X19
AD90MJMB-06-08	9/16"X18	1/2"X14
AD90MJMB-08-04	3/4"X16	1/4"X19
AD90MJMB-08-06	3/4"X16	3/8"X19
AD90MJMB-08-08	3/4"X16	1/2"X14
AD90MJMB-08-12	3/4"X16	3/4"X14
AD90MJMB-10-06	7/8"X16	3/8"X19
AD90MJMB-10-08	7/8"X16	1/2"X14
AD90MJMB-10-12	7/8"X16	3/4"X14
AD90MJMB-12-08	1.1/16"X12	1/2"X14
AD90MJMB-12-12	1.1/16"X12	3/4"X14
AD90MJMB-12-16	1.1/16"X12	1"X11
AD90MJMB-16-12	1.5/16"X12	3/4"X14
AD90MJMB-16-16	1.5/16"X12	1"X11
AD90MJMB-16-20	1.5/16"X12	1.1/4"X11
AD90MJMB-20-20	1.5/8"X12	1.1/4"X11
AD90MJMB-20-16	1.5/8"X12	1"X11
AD90MJMB-24-16	1.7/8"X12	1"X11
AD90MJMB-24-20	1.7/8"X12	1.1/4"X11
AD90MJMB-24-24	1.7/8"X12	1.1/2"X11

ADMJFL3

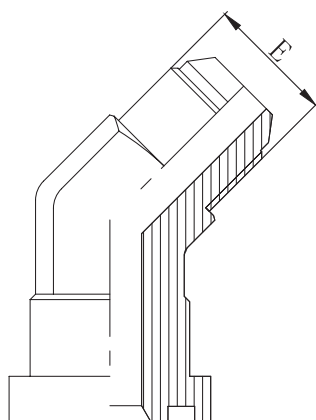
ADAPTADOR RETO MACHO JIC 37° X FLANGE CÓD 61



CÓDIGO	ROSCA E	FLANGE	
ADMJFL3-08-08	3/4"X16	1/2"	30.2 MM
ADMJFL3-08-12	3/4"X16	3/4"	38.1 MM
ADMJFL3-10-08	7/8"X14	1/2"	30.2 MM
ADMJFL3-10-12	7/8"X14	3/4"	38.1 MM
ADMJFL3-12-08	1.1/16"X12	1/2"	30.2 MM
ADMJFL3-12-12	1.1/16"X12	3/4"	38.1 MM
ADMJFL3-16-12	1.5/16"X12	3/4"	38.1 MM
ADMJFL3-16-16	1.5/16"X12	1"	44.4 MM
ADMJFL3-16-20	1.5/16"X12	1.1/4"	50.8 MM
ADMJFL3-20-16	1.5/8"X12	1"	44.4 MM
ADMJFL3-20-20	1.5/8"X12	1.1/4"	50.8 MM
ADMJFL3-20-24	1.5/8"X12	1.1/2"	60.3 MM
ADMJFL3-24-20	1.7/8"X12	1.1/4"	50.8 MM
ADMJFL3-24-24	1.7/8"X12	1.1/2"	60.3 MM
ADMJFL3-24-32	1.7/8"X12	2"	71.4 MM
ADMJFL3-32-32	2.1/2"X12	2"	71.4 MM

AD45MJFL3

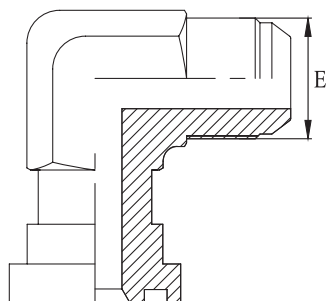
ADAPTADOR CURVA 45° MACHO JIC 37° X FLANGE CÓD 61



CÓDIGO	ROSCA E	FLANGE	
AD45MJFL3-08-08	3/4"X16	1/2"	30.2 MM
AD45MJFL3-10-08	7/8"X14	1/2"	30.2 MM
AD45MJFL3-10-12	7/8"X14	3/4"	38.1 MM
AD45MJFL3-12-12	1.1/16"X12	3/4"	38.1 MM
AD45MJFL3-12-16	1.1/16"X12	1"	44.4 MM
AD45MJFL3-16-16	1.5/16"X12	1"	44.4 MM
AD45MJFL3-16-12	1.5/16"X12	3/4"	38.1 MM
AD45MJFL3-16-20	1.5/16"X12	1.1/4"	50.8 MM
AD45MJFL3-20-20	1.5/8"X12	1.1/4"	50.8 MM
AD45MJFL3-20-16	1.5/8"X12	1"	44.4 MM
AD45MJFL3-20-24	1.5/8"X12	1.1/2"	60.3 MM
AD45MJFL3-24-20	1.7/8"X12	1.1/4"	50.8 MM
AD45MJFL3-24-24	1.7/8"X12	1.1/2"	60.3 MM
AD45MJFL3-32-32	2.1/2"X12	2"	71.4 MM

AD90MJFL3

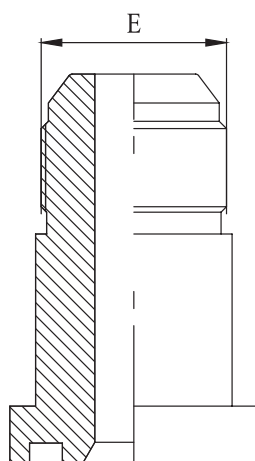
ADAPTADOR CURVA 90° MACHO JIC 37° X FLANGE CÓD 61



CÓDIGO	ROSCA E	FLANGE	
AD90MJFL3-08-08	3/4"X16	1/2"	30.2 MM
AD90MJFL3-10-08	7/8"X14	1/2"	30.2 MM
AD90MJFL3-10-12	7/8"X14	3/4"	38.1 MM
AD90MJFL3-12-12	1.1/16"X12	3/4"	38.1 MM
AD90MJFL3-12-16	1.1/16"X12	1"	44.4 MM
AD90MJFL3-16-16	1.5/16"X12	1"	44.4 MM
AD90MJFL3-16-12	1.5/16"X12	3/4"	38.1 MM
AD90MJFL3-16-20	1.5/16"X12	1.1/4"	50.8 MM
AD90MJFL3-20-20	1.5/8"X12	1.1/4"	50.8 MM
AD90MJFL3-20-16	1.5/8"X12	1"	44.4 MM
AD90MJFL3-20-24	1.5/8"X12	1.1/2"	60.3 MM
AD90MJFL3-24-20	1.7/8"X12	1.1/4"	50.8 MM
AD90MJFL3-24-24	1.7/8"X12	1.1/2"	60.3 MM
AD90MJFL3-32-32	2.1/2"X12	2"	71.4 MM

ADMJFL6

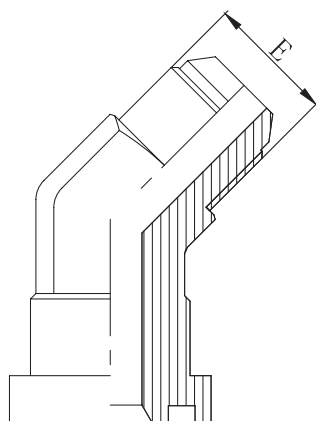
ADAPTADOR RETO MACHO JIC 37° X FLANGE CÓD 62



CÓDIGO	ROSCA E	FLANGE	
ADMJFL6-08-08	3/4"X16	1/2"	31.7 MM
ADMJFL6-10-08	7/8"X14	1/2"	31.7 MM
ADMJFL6-10-12	7/8"X14	3/4"	41.3 MM
ADMJFL6-12-12	1.1/16"X12	3/4"	41.3 MM
ADMJFL6-12-16	1.1/16"X12	1"	47.6 MM
ADMJFL6-16-12	1.5/16"X12	3/4"	41.3 MM
ADMJFL6-16-16	1.5/16"X12	1"	47.6 MM
ADMJFL6-16-20	1.5/16"X12	1.1/4"	54.0 MM
ADMJFL6-20-16	1.5/8"X12	1"	47.6 MM
ADMJFL6-20-20	1.5/8"X12	1.1/4"	54.0 MM
ADMJFL6-20-24	1.5/8"X12	1.1/2"	63.5 MM
ADMJFL6-24-20	1.7/8"X12	1.1/4"	54.0 MM
ADMJFL6-24-24	1.7/8"X12	1.1/2"	63.5 MM

AD45MJFL6

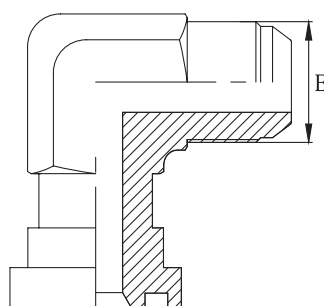
ADAPTADOR CURVA 45° MACHO JIC 37° X FLANGE CÓD 62



CÓDIGO	ROSCA	FLANGE	
	E		
AD45MJFL6-08-08	3/4"X16	1/2"	31.7 MM
AD45MJFL6-10-08	7/8"X14	1/2"	31.7 MM
AD45MJFL6-10-12	7/8"X14	3/4"	41.3 MM
AD45MJFL6-12-12	1.1/16"X12	3/4"	41.3 MM
AD45MJFL6-12-16	1.1/16"X12	1"	47.6 MM
AD45MJFL6-16-16	1.5/16"X12	1"	47.6 MM
AD45MJFL6-16-12	1.5/16"X12	3/4"	41.3 MM
AD45MJFL6-16-20	1.5/16"X12	1.1/4"	54.0 MM
AD45MJFL6-20-20	1.5/8"X12	1.1/4"	54.0 MM
AD45MJFL6-20-16	1.5/8"X12	1"	47.6 MM
AD45MJFL6-20-24	1.5/8"X12	1.1/2"	63.5 MM
AD45MJFL6-24-24	1.7/8"X12	1.1/2"	63.5 MM

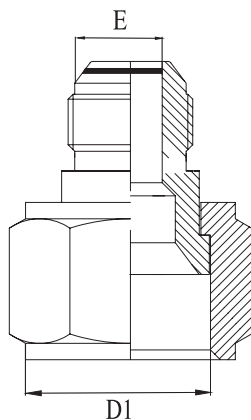
AD90MJFL6

ADAPTADOR CURVA 90° MACHO JIC 37° X FLANGE CÓD 62



CÓDIGO	ROSCA	FLANGE	
	E		
AD90MJFL6-08-08	3/4"X16	1/2"	31.7 MM
AD90MJFL6-10-08	7/8"X14	1/2"	31.7 MM
AD90MJFL6-10-12	7/8"X14	3/4"	41.3 MM
AD90MJFL6-12-12	1.1/16"X12	3/4"	41.3 MM
AD90MJFL6-12-16	1.1/16"X12	1"	47.6 MM
AD90MJFL6-16-16	1.5/16"X12	1"	47.6 MM
AD90MJFL6-16-12	1.5/16"X12	3/4"	41.3 MM
AD90MJFL6-16-22	1.5/16"X12	1.1/4"	54.0 MM
AD90MJFL6-20-20	1.5/8"X12	1.1/4"	54.0 MM
AD90MJFL6-20-16	1.5/8"X12	1"	47.6 MM
AD90MJFL6-20-24	1.5/8"X12	1.1/2"	63.5 MM
AD90MJFL6-24-24	1.7/8"X12	1.1/2"	63.5 MM

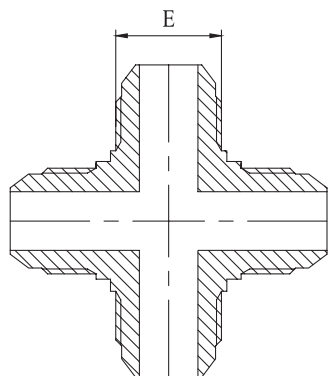
ADMJS



ADAPTADOR MACHO SOLDA JIC 37°

CÓDIGO	ROSCA E	ENCAIXE SOLDA D1 (MM)	
AMJS-04-06	7/16"X20	06	
AMJS-05-08	1/2"X20	08	
AMJS-06-10	9/16"X18	10	
AMJS-08-12	3/4"X16	12	
AMJS-10-16	7/8"X14	16	
AMJS-12-20	1.1/16"X12	20	
AMJS-16-25	1.5/16"X12	25	
AMJS-20-32	1.5/8"X12	32	

ADCMJ

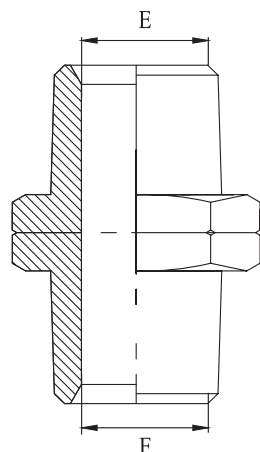


ADAPTADOR CRUZETA MACHO JIC 37°

CÓDIGO	ROSCA JIC 37°		
ADCMJ-04-04	7/16"X20		
ADCMJ-05-05	1/2"X20		
ADCMJ-06-06	9/16"X18		
ADCMJ-08-08	3/4"X16		
ADCMJ-10-10	7/8"X14		
ADCMJ-12-12	1.1/16"X12		
ADCMJ-16-16	1.5/16"X12		
ADCMJ-20-20	1.5/8"X12		
ADCMJ-24-24	1.7/8"X12		

ADMPPMP

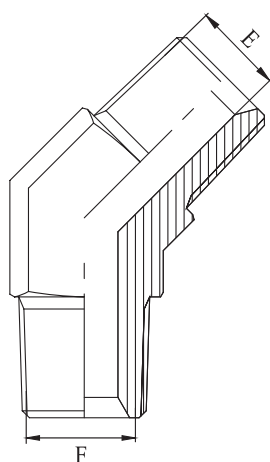
ADAPTADOR RETO MACHO NPT X MACHO NPT



CÓDIGO	ROSCA	
	E	F
ADMPPMP-02-02	1/8"X27	1/8"X27
ADMPPMP-02-04	1/8"X27	1/4"X18
ADMPPMP-04-04	1/4"X18	1/4"X18
ADMPPMP-02-06	1/8"X27	3/8"X18
ADMPPMP-04-06	1/4"X18	3/8"X18
ADMPPMP-06-06	3/8"X18	3/8"X18
ADMPPMP-04-08	1/4"X18	1/2"X14
ADMPPMP-06-08	3/8"X18	1/2"X14
ADMPPMP-08-08	1/2"X14	1/2"X14
ADMPPMP-08-12	1/2"X14	3/4"X14
ADMPPMP-12-12	3/4"X14	3/4"X14
ADMPPMP-12-16	3/4"X14	1"X11.5
ADMPPMP-16-16	1"X11.5	1"X11.5
ADMPPMP-16-20	1"X11.5	1.1/4"X11.5
ADMPPMP-20-20	1.1/4"X11.5	1.1/4"X11.5
ADMPPMP-20-24	1.1/4"X11.5	1.1/2"X11.5
ADMPPMP-24-24	1.1/2"X11.5	1.1/2"X11.5
ADMPPMP-24-32	1.1/2"X11.5	2"X11.5
ADMPPMP-32-32	2"X11.5	2"X11.5

AD45MPMP

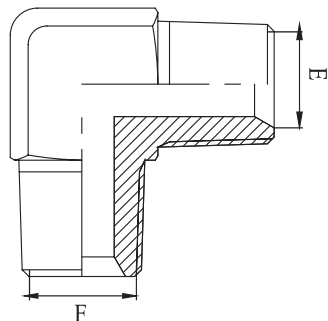
ADAPTADOR CURVA 45° MACHO NPT X MACHO NPT



CÓDIGO	ROSCA	
	E	F
AD45MPMP-02-02	1/8"X27	1/8"X27
AD45MPMP-02-04	1/8"X18	1/4"X18
AD45MPMP-02-06	1/8"X18	3/8"X18
AD45MPMP-04-04	1/4"X18	1/4"X18
AD45MPMP-04-06	1/4"X18	3/8"X18
AD45MPMP-04-08	1/4"X18	1/2"X14
AD45MPMP-06-06	3/8"X18	3/8"X18
AD45MPMP-06-08	3/8"X18	1/2"X14
AD45MPMP-08-08	1/2"X14	1/2"X14
AD45MPMP-08-12	1/2"X14	3/4"X14
AD45MPMP-12-12	3/4"X14	3/4"X14
AD45MPMP-12-16	3/4"X14	1"X11.5
AD45MPMP-16-16	1"X11.5	1"X11.5
AD45MPMP-16-20	1"X11.5	1.1/4"X11.5
AD45MPMP-20-20	1.1/4"X11.5	1.1/4"X11.5
AD45MPMP-24-24	1.1/2"X11.5	1.1/2"X11.5
AD45MPMP-32-32	2"X11.5	2"X11.5

AD90MPMP

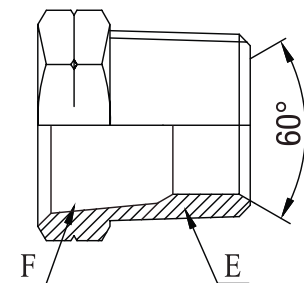
ADAPTADOR CURVA 90° MACHO NPT X MACHO NPT



CÓDIGO	ROSCA	
	E	F
AD90MPMP-02-02	1/8"X27	1/8"X27
AD90MPMP-02-04	1/8"X27	1/4"X18
AD90MPMP-02-06	1/8"X27	3/8"X18
AD90MPMP-04-04	1/4"X18	1/4"X18
AD90MPMP-04-06	1/4"X18	3/8"X18
AD90MPMP-04-08	1/4"X18	1/2"X14
AD90MPMP-06-06	3/8"X18	3/8"X18
AD90MPMP-06-08	3/8"X18	1/2"X18
AD90MPMP-08-08	1/2"X14	1/2"X14
AD90MPMP-08-12	1/2"X14	3/4"X14
AD90MPMP-12-12	3/4"X14	3/4"X14
AD90MPMP-12-16	3/4"X14	1"X11.5
AD90MPMP-16-16	1"X11.5	1"X11.5
AD90MPMP-16-20	1"X11.5	1.1/4"X11.5
AD90MPMP-20-20	1.1/4"X11.5	1.1/4"X11.5
AD90MPMP-24-24	1.1/2"X11.5	1.1/2"X11.5
AD90MPMP-32-32	2"X11.5	2"X11.5

ADMPFF

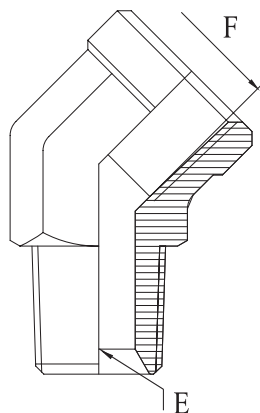
ADAPTADOR RETO MACHO NPT X FÊMEA NPT



CÓDIGO	ROSCA	
	E	F
ADMPFF-02-02	1/8"X27	1/8"X27
ADMPFF-02-04	1/8"X27	1/4"X18
ADMPFF-02-06	1/8"X27	3/8"X18
ADMPFF-02-08	1/8"X27	1/2"X14
ADMPFF-04-04	1/4"X18	1/4"X18
ADMPFF-04-02	1/4"X18	1/8"X27
ADMPFF-04-06	1/4"X18	3/8"X18
ADMPFF-04-08	1/4"X18	1/2"X14
ADMPFF-04-12	1/4"X18	3/4"X14
ADMPFF-06-06	3/8"X18	3/8"X18
ADMPFF-06-04	3/8"X18	1/4"X18
ADMPFF-06-08	3/8"X18	1/2"X14
ADMPFF-06-12	3/8"X18	3/4"X14
ADMPFF-06-16	3/8"X18	1"X11.5
ADMPFF-08-06	1/2"X14	3/8"X18
ADMPFF-08-12	1/2"X14	3/4"X14
ADMPFF-08-16	1/2"X14	1"X11.5
ADMPFF-12-08	3/4"X14	1/2"X14
ADMPFF-12-16	3/4"X14	1"X11.5
ADMPFF-12-20	3/4"X14	1.1/4"X11.5
ADMPFF-16-16	1"X11.5	1"X11.5
ADMPFF-16-12	1"X11.5	3/4"X14
ADMPFF-16-20	1"X11.5	1.1/4"X11.5
ADMPFF-16-24	1"X11.5	1.1/2"X11.5
ADMPFF-16-32	1"X11.5	2"X11.5
ADMPFF-20-12	1.1/4"X11.5	3/4"X14
ADMPFF-20-24	1.1/4"X11.5	1.1/2"X11.5
ADMPFF-20-32	1.1/4"X11.5	2"X11.5
ADMPFF-24-32	1.1/2"X11.5	2"X11.5

AD45MPFF

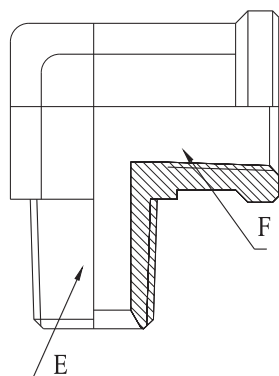
ADAPTADOR CURVA 45° MACHO NPT X FÊMEA NPT



CÓDIGO	ROSCA	
	E	F
AD45MPFF-02-02	1/8"X27	1/8"X27
AD45MPFF-04-04	1/4"X18	1/4"X18
AD45MPFF-06-06	3/8"X18	3/8"X18
AD45MPFF-08-08	1/2"X14	1/2"X14
AD45MPFF-12-12	3/4"X14	3/4"X14
AD45MPFF-16-16	1"X11.5	1"X11.5
AD45MPFF-20-20	1.1/4"X11.5	1.1/4"X11.5
AD45MPFF-24-24	1.1/2"X11.5	1.1/2"X11.5
AD45MPFF-32-32	2"X11.5	2"X11.5

AD90MPFF

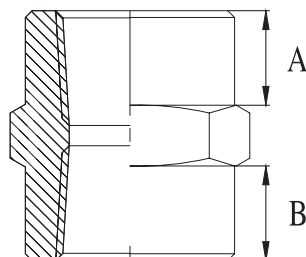
ADAPTADOR CURVA 90° MACHO NPT X FÊMEA NPT



CÓDIGO	ROSCA	
	E	F
AD90MPFF-02-02	1/8"X27	1/8"X27
AD90MPFF-04-04	1/4"X18	1/4"X18
AD90MPFF-04-02	1/4"X18	1/8"X27
AD90MPFF-04-06	1/4"X18	3/8"X18
AD90MPFF-06-06	3/8"X18	3/8"X18
AD90MPFF-08-08	1/2"X14	1/2"X14
AD90MPFF-12-12	3/4"X14	3/4"X14
AD90MPFF-12-08	3/4"X14	1/2"X14
AD90MPFF-16-16	1"X11.5	1"X11.5
AD90MPFF-20-20	1.1/4"X11.5	1.1/4"X11.5
AD90MPFF-24-24	1.1/2"X11.5	1.1/2"X11.5
AD90MPFF-32-32	2"X11.5	2"X11.5

ADFFFF

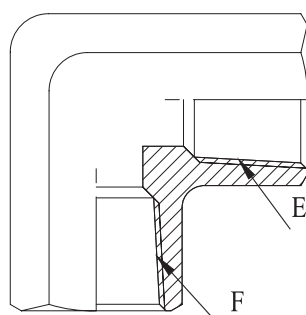
ADAPTADOR RETO FÊMEA NPT X FÊMEA NPT



CÓDIGO	ROSCA	
	A	B
ADFFFF-02-02	1/8"X27	1/8"X27
ADFFFF-04-02	1/4"X18	1/8"X27
ADFFFF-04-04	1/4"X18	1/4"X18
ADFFFF-06-04	3/8"X18	1/4"X18
ADFFFF-06-06	3/8"X18	3/8"X18
ADFFFF-08-04	1/2"X14	1/4"X18
ADFFFF-08-08	1/2"X14	1/2"X14
ADFFFF-12-12	3/4"X14	3/4"X14
ADFFFF-16-16	1"X11.5	1"X11.5
ADFFFF-20-20	1.1/4"X11.5	1.1/4"X11.5
ADFFFF-24-24	1.1/2"X11.5	1.1/2"X11.5
ADFFFF-32-32	2"X11.5	2"X11.5

AD90FFFF

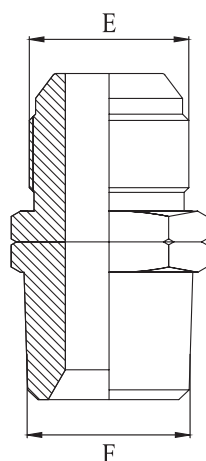
ADAPTADOR CURVA 90° FÊMEA NPT X FÊMEA NPT



CÓDIGO	ROSCA	
	E	F
AD90FFFF-02-02	1/8"X27	1/8"X27
AD90FFFF-02-04	1/8"X27	1/4"X18
AD90FFFF-04-04	1/4"X18	1/4"X18
AD90FFFF-06-04	3/8"X18	1/4"X18
AD90FFFF-06-06	3/8"X18	3/8"X18
AD90FFFF-08-04	1/2"X14	1/4"X18
AD90FFFF-08-08	1/2"X14	1/2"X14
AD90FFFF-12-12	3/4"X14	3/4"X14
AD90FFFF-16-16	1"X11.5	1"X11.5
AD90FFFF-20-20	1.1/4"X11.5	1.1/4"X11.5
AD90FFFF-24-24	1.1/2"X11.5	1.1/2"X11.5
AD90FFFF-32-32	2"X11.5	2"X11.5

ADMPMJ

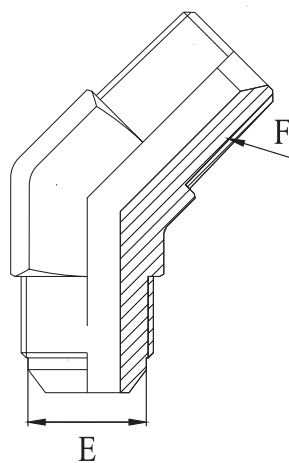
ADAPTADOR RETO MACHO NPT X MACHO JIC 37°



CÓDIGO	ROSCA	
	F	E
ADMPMJ-02-04	1/8"X27	7/16"X20
ADMPMJ-02-05	1/8"X27	1/2"X20
ADMPMJ-02-06	1/8"X27	9/16"X18
ADMPMJ-04-04	1/4"X18	7/16"X20
ADMPMJ-04-05	1/4"X18	1/2"X20
ADMPMJ-04-06	1/4"X18	9/16"X18
ADMPMJ-04-08	1/4"X18	3/4"X16
ADMPMJ-06-04	3/8"X18	7/16"X20
ADMPMJ-06-05	3/8"X18	1/2"X20
ADMPMJ-06-06	3/8"X18	9/16"X18
ADMPMJ-06-08	3/8"X18	3/4"X16
ADMPMJ-06-10	3/8"X18	7/8"X14
ADMPMJ-06-12	3/8"X18	1.1/16"X12
ADMPMJ-08-04	1/2"X14	7/16"X20
ADMPMJ-08-05	1/2"X14	1/2"X20
ADMPMJ-08-06	1/2"X14	9/16"X18
ADMPMJ-08-08	1/2"X14	3/4"X16
ADMPMJ-08-10	1/2"X14	7/8"X14
ADMPMJ-08-12	1/2"X14	1.1/16"X12
ADMPMJ-08-16	1/2"X14	1.5/16"X12
ADMPMJ-12-08	3/4"X14	3/4"X16
ADMPMJ-12-10	3/4"X14	7/8"X14
ADMPMJ-12-12	3/4"X14	1.1/16"X12
ADMPMJ-12-16	3/4"X14	1.5/16"X12
ADMPMJ-16-08	1"X11.5	3/4"X16
ADMPMJ-16-10	1"X11.5	7/8"X14
ADMPMJ-16-12	1"X11.5	1.1/16"X12
ADMPMJ-16-16	1"X11.5	1.5/16"X12
ADMPMJ-16-20	1"X11.5	1.5/8"X12
ADMPMJ-20-16	1.1/4"X11.5	1.5/16"X12
ADMPMJ-20-20	1.1/4"X11.5	1.5/8"X12
ADMPMJ-20-24	1.1/4"X11.5	1.7/8"X12
ADMPMJ-24-20	1.1/2"X11.5	1.5/8"X12
ADMPMJ-24-24	1.1/2"X11.5	1.7/8"X12
ADMPMJ-24-32	1.1/2"X11.5	2.1/2"X12
ADMPMJ-32-24	2"X11.5	1.7/8"X12
ADMPMJ-32-32	2"X11.5	2.1/2"X12

AD45MPMJ

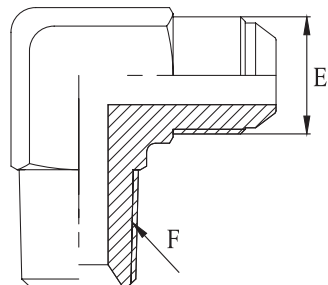
ADAPTADOR CURVA 45° MACHO NPT X MACHO JIC 37°



CÓDIGO	ROSCA	
	F	E
AD45MPMJ-02-04	1/8"X27	7/16"X20
AD45MPMJ-04-04	1/4"X18	7/16"X20
AD45MPMJ-04-05	1/4"X18	1/2"X20
AD45MPMJ-04-06	1/4"X18	7/16"X20
AD45MPMJ-06-04	3/8"X18	1/2"X20
AD45MPMJ-06-06	3/8"X18	9/16"X18
AD45MPMJ-06-08	3/8"X18	3/4"X16
AD45MPMJ-08-06	1/2"X14	9/16"X18
AD45MPMJ-08-08	1/2"X14	3/4"X16
AD45MPMJ-08-10	1/2"X14	7/8"X14
AD45MPMJ-12-08	3/4"X14	3/4"X16
AD45MPMJ-12-12	3/4"X14	1.1/16"X12
AD45MPMJ-16-16	1"X11.5	1.5/16"X12
AD45MPMJ-20-20	1.1/4"X11.5	1.5/8"X12
AD45MPMJ-24-24	1.1/2"X11.5	1.7/8"X12

AD90MPMJ

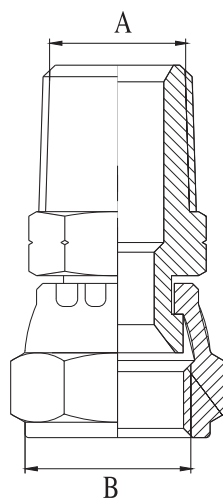
ADAPTADOR CURVA 90° MACHO NPT X MACHO JIC 37°



CÓDIGO	ROSCA	
	F	E
AD90MPMJ-02-04	1/8"X27	7/16"X20
AD90MPMJ-02-06	1/8"X27	9/16"X18
AD90MPMJ-04-04	1/4"X18	7/16"X20
AD90MPMJ-04-05	1/4"X18	1/2"X20
AD90MPMJ-04-06	1/4"X18	9/16"X18
AD90MPMJ-04-08	1/4"X18	3/4"X16
AD90MPMJ-06-04	3/8"X18	7/16"X20
AD90MPMJ-06-05	3/8"X18	1/2"X20
AD90MPMJ-06-06	3/8"X18	9/16"X18
AD90MPMJ-06-08	3/8"X18	3/4"X16
AD90MPMJ-08-06	1/2"X14	9/16"X18
AD90MPMJ-08-08	1/2"X14	3/4"X16
AD90MPMJ-08-10	1/2"X14	7/8"X14
AD90MPMJ-08-12	1/2"X14	1.1/16"X12
AD90MPMJ-12-08	3/4"X14	3/4"X16
AD90MPMJ-12-10	3/4"X14	7/8"X14
AD90MPMJ-12-12	3/4"X14	1.1/16"X12
AD90MPMJ-12-16	3/4"X14	1.5/16"X12
AD90MPMJ-16-12	1"X11.5	1.1/16"X12
AD90MPMJ-16-16	1"X11.5	1.5/16"X12
AD90MPMJ-20-20	1.1/4"X11.5	1.5/8"X12
AD90MPMJ-24-24	1.1/2"X11.5	1.7/8"X12
AD90MPMJ-32-32	2"X11.5	2.1/2"X12

ADMPFJ

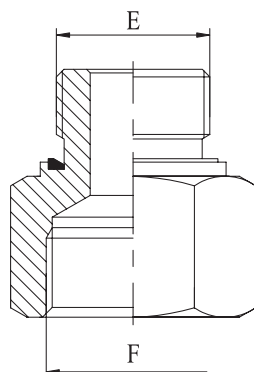
ADAPTADOR RETO MACHO NPT X FÊMEA JIC 37°



CÓDIGO	ROSCA	
	A	B
ADMPFJ-02-04	1/8"X27	7/16"X20
ADMPFJ-02-05	1/8"X27	1/2"X20
ADMPFJ-04-04	1/4"X18	7/16"X20
ADMPFJ-04-05	1/4"X18	1/2"X20
ADMPFJ-04-06	1/4"X18	9/16"X18
ADMPFJ-04-08	1/4"X18	3/4"X16
ADMPFJ-06-06	3/8"X18	9/16"X18
ADMPFJ-06-08	3/8"X18	3/4"X16
ADMPFJ-06-10	3/8"X18	7/8"X14
ADMPFJ-08-06	1/2"X14	9/16"X18
ADMPFJ-08-08	1/2"X14	3/4"X16
ADMPFJ-08-10	1/2"X14	7/8"X14
ADMPFJ-08-12	1/2"X14	1.1/16"X12
ADMPFJ-12-08	3/4"X14	3/4"X16
ADMPFJ-12-10	3/4"X14	7/8"X14
ADMPFJ-12-12	3/4"X14	1.1/16"X12
ADMPFJ-12-16	3/4"X14	1.5/16"X12
ADMPFJ-16-12	1"X11.5	1.1/16"X12
ADMPFJ-16-16	1"X11.5	1.5/16"X12
ADMPFJ-16-20	1"X11.5	1.5/8"X12
ADMPFJ-20-20	1.1/4"X11.5	1.5/8"X12
ADMPFJ-20-24	1.1/4"X11.5	1.7/8"X12
ADMPFJ-24-20	1.1/2"X11.5	1.5/8"X12
ADMPFJ-24-24	1.1/2"X11.5	1.7/8"X12

ADMBFB

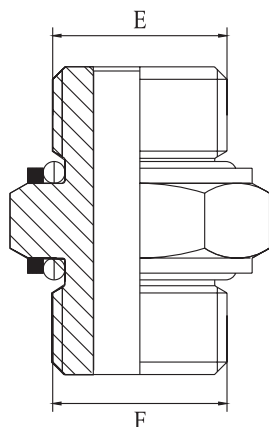
ADAPTADOR RETO MACHO BSP X FÊMEA BSP COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMBFB-02-04	1/8"X28	1/4"X19
ADMBFB-02-06	1/8"X28	3/8"X19
ADMBFB-04-02	1/4"X19	1/8"X28
ADMBFB-04-04	1/4"X19	1/4"X19
ADMBFB-04-06	1/4"X19	3/8"X19
ADMBFB-04-08	1/4"X19	1/2"X14
ADMBFB-04-12	1/4"X19	3/4"X14
ADMBFB-06-02	3/8"X19	1/8"X28
ADMBFB-06-04	3/8"X19	1/4"X19
ADMBFB-06-08	3/8"X19	1/2"X14
ADMBFB-06-12	3/8"X19	3/4"X14
ADMBFB-08-06	1/2"X14	3/8"X19
ADMBFB-08-02	1/2"X14	1/8"X28
ADMBFB-08-04	1/2"X14	1/4"X19
ADMBFB-08-08	1/2"X14	1/2"X14
ADMBFB-08-12	1/2"X14	3/4"X14
ADMBFB-08-16	1/2"X14	1"X11
ADMBFB-08-20	1/2"X14	1.1/4"X11
ADMBFB-12-04	3/4"X14	1/4"X19
ADMBFB-12-06	3/4"X14	3/8"X19
ADMBFB-12-08	3/4"X14	1/2"X14
ADMBFB-12-16	3/4"X14	1"X11
ADMBFB-12-20	3/4"X14	1.1/4"X11
ADMBFB-12-24	3/4"X14	1.1/2"X11
ADMBFB-16-04	1"X11	1/4"X19
ADMBFB-16-06	1"X11	3/8"X19
ADMBFB-16-08	1"X11	1/2"X14
ADMBFB-16-12	1"X11	3/4"X14
ADMBFB-16-16	1"X11	1"X11
ADMBFB-16-20	1"X11	1.1/4"X11
ADMBFB-16-24	1"X11	1.1/2"X11
ADMBFB-20-16	1.1/4"X11	1"X11
ADMBFB-20-08	1.1/4"X11	1/2"X14
ADMBFB-20-12	1.1/4"X11	3/4"X14
ADMBFB-20-24	1.1/4"X11	1.1/4"X11
ADMBFB-24-08	1.1/2"X11	1/2"X14
ADMBFB-24-12	1.1/2"X11	3/4"X14
ADMBFB-24-16	1.1/2"X11	1"X11
ADMBFB-24-20	1.1/2"X11	1.1/4"X11
ADMBFB-24-32	1.1/2"X11	2"X11

ADMBMB

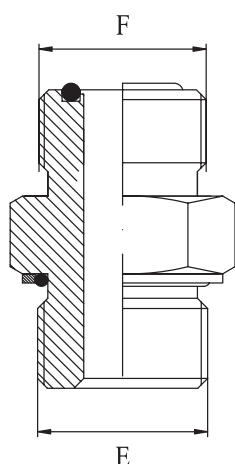
ADAPTADOR RETO MACHO BSP X MACHO BSP COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMBMB-02-02	1/8"X28	1/8"X28
ADMBMB-04-04	1/4"X19	1/4"X19
ADMBMB-06-06	3/8"X19	3/8"X19
ADMBMB-08-08	1/2"X14	1/2"X14
ADMBMB-12-12	3/4"X14	3/4"X14
ADMBMB-16-16	1"X11	1"X11
ADMBMB-20-20	1.1/4"X11	1.1/4"X11
ADMBMB-24-24	1.1/2"X11	1.1/2"X11

ADMBMSP

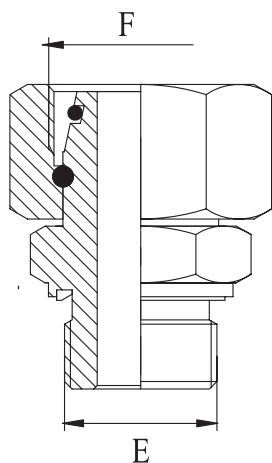
ADAPTADOR RETO MACHO BSP X MACHO ORFS COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMBMSP-02-04	1/8"X28	9/16"X18
ADMBMSP-04-06	1/4"X19	11/16"X16
ADMBMSP-06-06	3/8"X19	11/16"X16
ADMBMSP-06-08	3/8"X19	13/16"X16
ADMBMSP-08-08	1/2"X14	13/16"X16
ADMBMSP-08-10	1/2"X14	1"X14
ADMBMSP-10-10	5/8"X14	1"X14
ADMBMSP-12-12	3/4"X14	1.3/16"X12
ADMBMSP-16-16	1"X11	1.7/16"X12
ADMBMSP-20-20	1.1/4"X11	1.11/16"X12
ADMBMSP-24-24	1.1/2"X11	2"X12
ADMBMSP-04-04	1/4"X19	9/16"X18
ADMBMSP-06-04	3/8"X19	9/16"X18
ADMBMSP-08-04	1/2"X14	9/16"X18
ADMBMSP-04-12	1/4"X19	1.3/16"X12
ADMBMSP-08-12	1/2"X14	1.3/16"X12
ADMBMSP-04-10	1/4"X19	1"X14
ADMBMSP-06-10	3/8"X19	1"X14
ADMBMSP-12-06	3/4"X14	11/16"X16
ADMBMSP-12-08	3/4"X14	13/16"X16
ADMBMSP-12-10	3/4"X14	1"X14
ADMBMSP-16-10	1"X11	1"X14
ADMBMSP-16-12	1"X11	1.3/16"X12
ADMBMSP-20-12	1.1/4"X11	1.3/16"X12
ADMBMSP-12-16	3/4"X14	1.7/16"X12
ADMBMSP-20-16	1.1/4"X11	1.7/16"X12
ADMBMSP-24-16	1.1/2"X11	1.7/16"X12
ADMBMSP-16-20	1"X11	1.11/16"X12
ADMBMSP-24-20	1.1/2"X11	1.11/16"X12

ADMBFSP

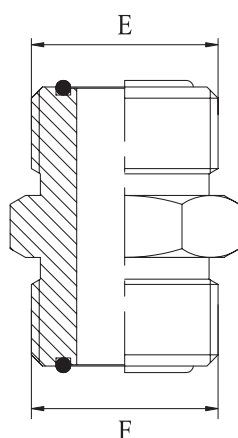
ADAPTADOR RETO MACHO BSP X FÊMEA ORFS COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMBFSP-02-04	1/8"X28	9/16"X18
ADMBFSP-04-06	1/4"X19	9/16"X18
ADMBFSP-06-08	1/4"X19	11/16"X16
ADMBFSP-08-10	3/8"X19	11/16"X16
ADMBFSP-12-12	3/8"X19	13/16"X16
ADMBFSP-16-16	1/2"X14	13/16"X16
ADMBFSP-20-20	1/2"X14	1"X14
ADMBFSP-24-24	3/4"X14	1.3/16"X12
ADMBFSP-04-04	1"X11	1.7/16"X12
ADMBFSP-06-06	1.1/4"X11	1.3/16"X12
ADMBFSP-08-08	1.1/4"X11	1.11/16"X12
ADMBFSP-20-12	1.1/2"X11	2"X12

ADMSPMSP

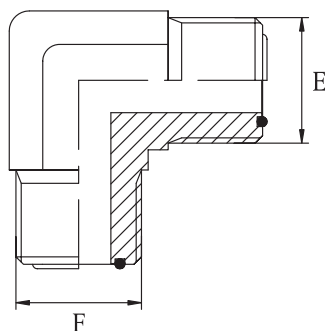
ADAPTADOR RETO MACHO ORFS X MACHO ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
ADMSPMSP-04-04	9/16"X18	9/16"X18
ADMSPMSP-06-04	11/16"X16	9/16"X18
ADMSPMSP-06-06	11/16"X16	11/16"X16
ADMSPMSP-08-06	13/16"X16	11/16"X16
ADMSPMSP-08-08	13/16"X16	13/16"X16
ADMSPMSP-10-08	1"X14	13/16"X16
ADMSPMSP-10-10	1"X14	1"X14
ADMSPMSP-12-06	1.3/16"X12	11/16"X16
ADMSPMSP-12-08	1.3/16"X12	13/16"X16
ADMSPMSP-12-10	1.3/16"X12	1"X14
ADMSPMSP-12-12	1.3/16"X12	1.3/16"X12
ADMSPMSP-16-12	1.7/16"X12	1.3/16"X12
ADMSPMSP-16-16	1.7/16"X12	1.7/16"X12
ADMSPMSP-20-16	1.11/16"X12	1.7/16"X12
ADMSPMSP-20-20	1.11/16"X12	1.11/16"X12
ADMSPMSP-24-24	2"X12	2"X12

AD90MSPMSP

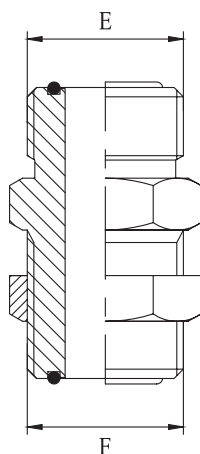
ADAPTADOR CURVA 90° MACHO ORFS X MACHO ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
AD90MSPMSP-04-04	9/16"X18	9/16"X18
AD90MSPMSP-06-04	11/16"X16	9/16"X18
AD90MSPMSP-06-06	11/16"X16	11/16"X16
AD90MSPMSP-08-06	13/16"X16	11/16"X16
AD90MSPMSP-08-08	13/16"X16	13/16"X16
AD90MSPMSP-10-08	1"X14	13/16"X16
AD90MSPMSP-10-10	1"X14	1"X14
AD90MSPMSP-12-06	1.3/16"X12	11/16"X16
AD90MSPMSP-12-08	1.3/16"X12	13/16"X16
AD90MSPMSP-12-10	1.3/16"X12	1"X14
AD90MSPMSP-12-12	1.3/16"X12	1.3/16"X12
AD90MSPMSP-12-16	1.3/16"X12	1.7/16"X12
AD90MSPMSP-16-10	1.7/16"X12	1"X14
AD90MSPMSP-16-16	1.7/16"X12	1.7/16"X12
AD90MSPMSP-20-16	1.11/16"X12	1.7/16"X12
AD90MSPMSP-20-20	1.11/16"X12	1.11/16"X12
AD90MSPMSP-24-24	2"X12	2"X12

ADMSPMSPL

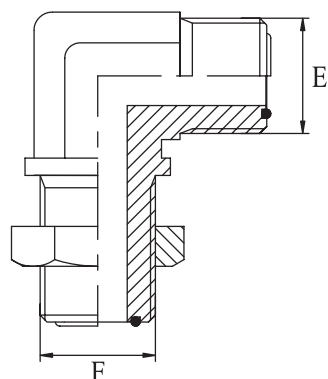
ADAPTADOR RETO MACHO ORFS X MACHO ORFS PAINEL / LONGO



CÓDIGO	ROSCA	
	E	F
ADMSPMSPL-04-04	9/16"X18	9/16"X18
ADMSPMSPL-06-06	11/16"X16	11/16"X16
ADMSPMSPL-08-08	13/16"X16	13/16"X16
ADMSPMSPL-10-10	1"X14	1"X14
ADMSPMSPL-12-12	1.3/16"X12	1.3/16"X12
ADMSPMSPL-16-16	1.7/16"X12	1.7/16"X12
ADMSPMSPL-20-20	1.11/16"X12	1.11/16"X12
ADMSPMSPL-24-24	2"X12	2"X12

AD90MSPMSPL

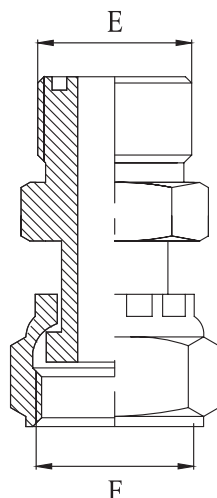
ADAPTADOR CURVA 90° MACHO ORFS X MACHO ORFS PAINEL / LONGO - COM PORCA ORIENTÁVEL



CÓDIGO	ROSCA	
	E	F
AD90MSPMSPL-04-04	9/16"X18	9/16"X18
AD90MSPMSPL-06-06	11/16"X16	11/16"X16
AD90MSPMSPL-08-08	13/16"X16	13/16"X16
AD90MSPMSPL-10-10	1"X14	1"X14
AD90MSPMSPL-12-12	1.3/16"X12	1.3/16"X12
AD90MSPMSPL-16-16	1.7/16"X12	1.7/16"X12
AD90MSPMSPL-20-20	1.11/16"X12	1.11/16"X12
AD90MSPMSPL-24-24	2"X12	2"X12

ADMSPFSP

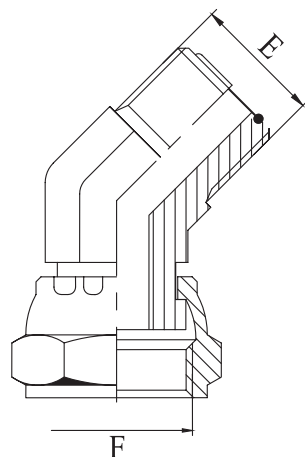
ADAPTADOR RETO MACHO ORFS X FÊMEA ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
ADMSPFSP-04-04	9/16"X18	9/16"X18
ADMSPFSP-04-06	9/16"X18	11/16"X16
ADMSPFSP-04-08	9/16"X18	13/16"X16
ADMSPFSP-06-04	11/16"X16	9/16"X18
ADMSPFSP-06-06	11/16"X16	11/16"X16
ADMSPFSP-06-08	11/16"X16	13/16"X16
ADMSPFSP-06-10	11/16"X16	1"X14
ADMSPFSP-08-06	13/16"X16	11/16"X16
ADMSPFSP-08-08	13/16"X16	13/16"X16
ADMSPFSP-08-10	13/16"X16	1"X14
ADMSPFSP-08-12	13/16"X16	1.3/16"X12
ADMSPFSP-10-08	1"X14	13/16"X16
ADMSPFSP-10-10	1"X14	1"X14
ADMSPFSP-10-12	1"X14	1.3/16"X12
ADMSPFSP-10-16	1"X14	1.7/16"X12
ADMSPFSP-12-08	1.3/16"X12	13/16"X16
ADMSPFSP-12-10	1.3/16"X12	1"X14
ADMSPFSP-12-12	1.3/16"X12	1.3/16"X12
ADMSPFSP-12-16	1.3/16"X12	1.7/16"X12
ADMSPFSP-16-12	1.7/16"X12	1.3/16"X12
ADMSPFSP-16-16	1.7/16"X12	1.7/16"X12
ADMSPFSP-16-20	1.7/16"X12	1.11/16"X12
ADMSPFSP-20-16	1.11/16"X12	1.7/16"X12
ADMSPFSP-20-20	1.11/16"X12	1.11/16"X12

AD45MSPFSP

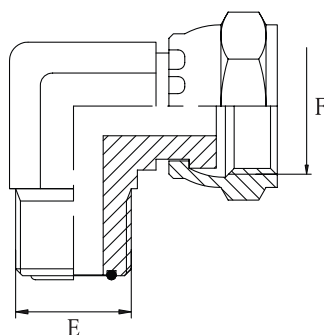
ADAPTADOR CURVA 45° MACHO ORFS X FÊMEA ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
AD45MSPFSP-04-04	9/16"X18	9/16"X18
AD45MSPFSP-06-06	11/16"X16	11/16"X16
AD45MSPFSP-08-08	13/16"X16	13/16"X16
AD45MSPFSP-10-10	1"X14	1"X14
AD45MSPFSP-12-12	1.3/16"X12	1.3/16"X12
AD45MSPFSP-16-16	1.7/16"X12	1.7/16"X12
AD45MSPFSP-20-20	1.11/16"X12	1.11/16"X12
AD45MSPFSP-24-24	2"X12	2"X12

AD90MSPFSP

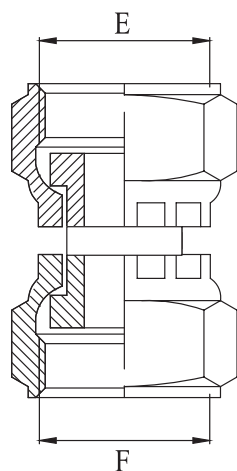
ADAPTADOR CURVA 90° MACHO ORFS X FÊMEA ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
AD90MSPFSP-04-04	9/16"X18	9/16"X18
AD90MSPFSP-06-06	11/16"X16	11/16"X16
AD90MSPFSP-08-08	13/16"X16	13/16"X16
AD90MSPFSP-10-10	1"X14	1"X14
AD90MSPFSP-12-12	1.3/16"X12	1.3/16"X12
AD90MSPFSP-16-16	1.7/16"X12	1.7/16"X12
AD90MSPFSP-20-20	1.11/16"X12	1.11/16"X12
AD90MSPFSP-24-24	2"X12	2"X12

ADFSPFSP

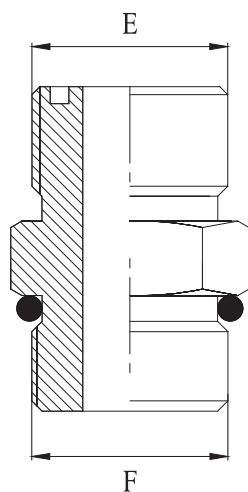
ADAPTADOR RETO FÊMEA ORFS X FÊMEA ORFS SEDE PLANA



CÓDIGO	ROSCA	
	E	F
ADFSPFSP-04-04	9/16"X18	9/16"X18
ADFSPFSP-06-06	11/16"X16	11/16"X16
ADFSPFSP-08-08	13/16"X16	13/16"X16
ADFSPFSP-10-10	1"X14	1"X14
ADFSPFSP-12-12	1.3/16"X12	1.3/16"X12
ADFSPFSP-16-16	1.7/16"X12	1.7/16"X12
ADFSPFSP-20-20	1.11/16"X12	1.11/16"X12
ADFSPFSP-24-24	2"X12	2"X12

ADMSPMO

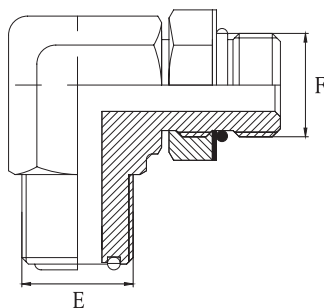
ADAPTADOR RETO MACHO ORFS X MACHO UNF COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMSPMO-04-04	9/16"X18	7/16"X2
ADMSPMO-06-06	11/16"X16	9/16"X18
ADMSPMO-06-08	11/16"X16	3/4"X16
ADMSPMO-06-10	11/16"X16	7/8"X14
ADMSPMO-08-06	13/16"X16	9/16"X18
ADMSPMO-08-08	13/16"X16	3/4"X16
ADMSPMO-08-10	13/16"X16	7/8"X14
ADMSPMO-08-12	13/16"X16	1.1/16"X12
ADMSPMO-10-08	1"X14	3/4"X16
ADMSPMO-10-10	1"X14	7/8"X14
ADMSPMO-10-12	1"X14	1.1/16"X12
ADMSPMO-12-10	1.3/16"X12	7/8"X14
ADMSPMO-12-12	1.3/16"X12	1.1/16"X12
ADMSPMO-12-16	1.3/16"X12	1.5/16"X12
ADMSPMO-16-12	1.7/16"X12	1.1/16"X12
ADMSPMO-16-16	1.7/16"X12	1.5/16"X12
ADMSPMO-16-20	1.7/16"X12	1.5/8"X12
ADMSPMO-20-16	1.11/16"X12	1.5/16"X12
ADMSPMO-20-20	1.11/16"X12	1.5/8"X12

AD90MSPMO

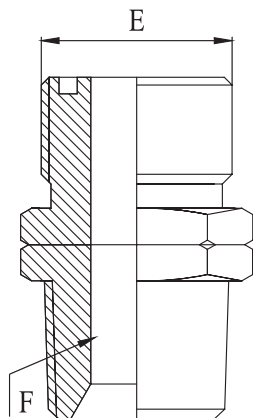
ADAPTADOR CURVA 90° MACHO ORFS X MACHO UNF ORIENTÁVEL COM O'RING



CÓDIGO	ROSCA	
	E	F
AD90MSPMO-04-04	9/16"X18	7/16"X20
AD90MSPMO-04-05	9/16"X18	1/2"X20
AD90MSPMO-04-06	9/16"X18	9/16"X18
AD90MSPMO-04-08	9/16"X18	3/4"X16
AD90MSPMO-06-04	11/16"X16	7/16"X20
AD90MSPMO-06-06	11/16"X16	9/16"X18
AD90MSPMO-06-08	11/16"X16	3/4"X16
AD90MSPMO-06-10	11/16"X16	7/8"X14
AD90MSPMO-08-06	13/16"X16	9/16"X18
AD90MSPMO-08-08	13/16"X16	3/4"X16
AD90MSPMO-08-10	13/16"X16	7/8"X14
AD90MSPMO-08-12	13/16"X16	1.1/16"X12
AD90MSPMO-10-08	1"X14	3/4"X16
AD90MSPMO-10-10	1"X14	7/8"X14
AD90MSPMO-10-12	1"X14	1.1/16"X12
AD90MSPMO-12-10	1.3/16"X12	7/8"X14
AD90MSPMO-12-12	1.3/16"X12	1.1/16"X12
AD90MSPMO-16-12	1.7/16"X12	1.1/16"X12
AD90MSPMO-16-16	1.7/16"X12	1.5/16"X12

ADMSPMP

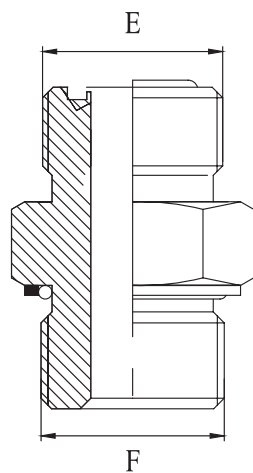
ADAPTADOR RETO MACHO ORFS X MACHO NPT



CÓDIGO	ROSCA	
	E	F
ADMSPMP-04-02	9/16"X18	1/8"X27
ADMSPMP-04-04	9/16"X18	1/4"X18
ADMSPMP-04-06	9/16"X18	3/8"X18
ADMSPMP-04-06	11/16"X16	3/8"X18
ADMSPMP-06-04	11/16"X16	1/4"X18
ADMSPMP-06-06	11/16"X16	3/8"X18
ADMSPMP-06-08	11/16"X16	1/2"X14
ADMSPMP-08-04	13/16"X16	1/4"X18
ADMSPMP-08-06	13/16"X16	3/8"X18
ADMSPMP-08-08	13/16"X16	1/2"X14
ADMSPMP-08-12	13/16"X16	3/4"X14
ADMSPMP-10-08	1"X14	1/2"X14
ADMSPMP-10-12	1"X14	3/4"X14
ADMSPMP-12-08	1.3/16"X12	1/2"X14
ADMSPMP-12-12	1.3/16"X12	3/4"X14
ADMSPMP-12-16	1.3/16"X12	1"X11.5
ADMSPMP-16-12	1.7/16"X12	3/4"X14
ADMSPMP-16-16	1.7/16"X12	1"X11.5
ADMSPMP-16-20	1.7/16"X12	1.1/4"X11.5
ADMSPMP-20-16	1.11/16"X12	1"X11.5
ADMSPMP-20-20	1.11/16"X12	1.1/4"X11.5
ADMSPMP-20-24	1.11/16"X12	1.1/2"X11.5

ADMSPMB

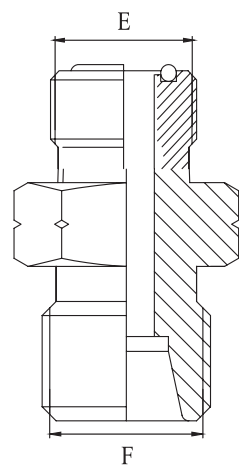
ADAPTADOR RETO MACHO ORFS X MACHO BSP COM O'RING



CÓDIGO	ROSCA	
	E	F
ADMSPMB-04-04	9/16"X18	1/4"X19
ADMSPMB-04-02	9/16"X18	1/8"X28
ADMSPMB-04-06	9/16"X18	3/8"X19
ADMSPMB-06-06	11/16"X16	3/8"X19
ADMSPMB-06-04	11/16"X16	1/4"X19
ADMSPMB-06-08	11/16"X16	1/2"X14
ADMSPMB-08-08	13/16"X16	1/2"X14
ADMSPMB-08-06	13/16"X16	3/8"X19
ADMSPMB-08-12	13/16"X16	3/4"X14
ADMSPMB-10-08	1"X14	1/2"X14
ADMSPMB-10-12	1"X14	3/4"X14
ADMSPMB-12-12	1.3/16"X12	3/4"X14
ADMSPMB-12-08	1.3/16"X12	1/2"X14
ADMSPMB-12-16	1.3/16"X12	1"X11
ADMSPMB-16-16	1.7/16"X12	1"X11
ADMSPMB-16-12	1.7/16"X12	3/4"X14
ADMSPMB-20-16	1.11/16"X12	1"X11
ADMSPMB-20-20	1.11/16"X12	1.1/4"X11

ADMSPMM

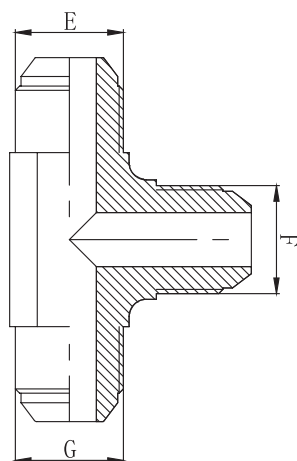
ADAPTADOR RETO MACHO ORFS X MACHO MÉTRICO



CÓDIGO	ROSCA	
	E	F
ADMSPMM-04-12	9/16"X18	M12X1.5
ADMSPMM-06-14	11/16"X16	M14X1.5
ADMSPMM-08-18	13/16"X16	M18X1.5
ADMSPMM-10-22	1"X14	M22X1.5
ADMSPMM-12-27	1.3/16"X12	M27X2
ADMSPMM-16-33	1.7/16"X12	M33X2
ADMSPMM-20-42	1.11/16"X12	M42X2
ADMSPMM-24-48	2"X12	M48X2
ADMSPMM-04-10	9/16"X18	M10X1.5
ADMSPMM-04-14	9/16"X18	M14X1.5
ADMSPMM-06-12	11/16"X16	M12X1.5
ADMSPMM-06-16	11/16"X16	M16X1.5
ADMSPMM-06-18	11/16"X16	M18X1.5
ADMSPMM-08-14	13/16"X16	M14X1.5
ADMSPMM-08-16	13/16"X16	M16X1.5
ADMSPMM-08-22	13/16"X16	M22X1.5
ADMSPMM-10-18	1"X14	M18X1.5
ADMSPMM-10-27	1"X14	M27X2
ADMSPMM-12-22	1.3/16"X12	M22X1.5
ADMSPMM-12-33	1.3/16"X12	M33X2
ADMSPMM-16-27	1.7/16"X12	M27X2
ADMSPMM-16-42	1.7/16"X12	M42X2
ADMSPMM-20-33	1.11/16"X12	M33X2
ADMSPMM-20-48	1.11/16"X12	M48X2

ADTEEMJ

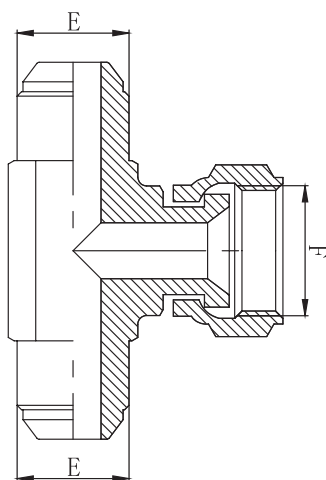
ADAPTADOR TEE MACHO JIC 37°



CÓDIGO	ROSCA		
	E	F	G
ADTEEMJ-04	7/16"X20	7/16"X20	7/16"X20
ADTEEMJ-04-06-04	7/16"X20	9/16"X18	7/16"X20
ADTEEMJ-05	1/2"X20	1/2"X20	1/2"X20
ADTEEMJ-06	9/16"X18	9/16"X18	9/16"X18
ADTEEMJ-06-04-06	9/16"X18	7/16"X20	9/16"X18
ADTEEMJ-08	3/4"X16	3/4"X16	3/4"X16
ADTEEMJ-08-06-08	3/4"X16	9/16"X18	3/4"X16
ADTEEMJ-10	7/8"X14	7/8"X14	7/8"X14
ADTEEMJ-12	1.1/16"X12	1.1/16"X12	1.1/16"X12
ADTEEMJ-16	1.5/16"X12	1.5/16"X12	1.5/16"X12
ADTEEMJ-16-12-16	1.5/16"X12	1.1/16"X12	1.5/16"X12
ADTEEMJ-20	1.5/8"X12	1.5/8"X12	1.5/8"X12

ADTEEMJFJC

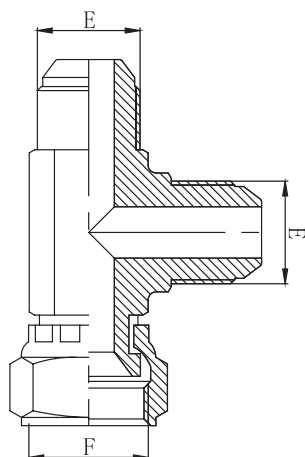
ADAPTADOR TEE MACHO JIC 37° X FÊMEA JIC 37° CENTRAL



CÓDIGO	ROSCA		
	E	F	E
ADTEEMJFJC-04	7/16"X20	7/16"X20	7/16"X20
ADTEEMJFJC-05	1/2"X20	1/2"X20	1/2"X20
ADTEEMJFJC-06	9/16"X18	9/16"X18	9/16"X18
ADTEEMJFJC-08	3/4"X16	3/4"X16	3/4"X16
ADTEEMJFJC-10	7/8"X14	7/8"X14	7/8"X14
ADTEEMJFJC-12	1.1/16"X12	1.1/16"X12	1.1/16"X12
ADTEEMJFJC-16	1.5/16"X12	1.5/16"X12	1.5/16"X12
ADTEEMJFJC-20	1.5/8"X12	1.5/8"X12	1.5/8"X12

ADTEEMJFJL

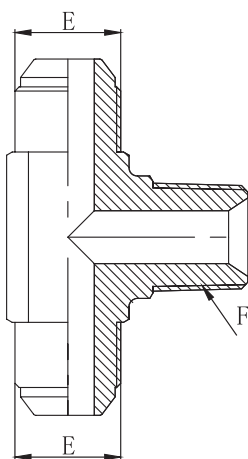
ADAPTADOR TEE MACHO JIC 37° X FÊMEA JIC 37° LATERAL



CÓDIGO	ROSCA	
	E	F
ADTEEMJFJL-04	7/16"X20	7/16"X20
ADTEEMJFJL-05	1/2"X20	1/2"X20
ADTEEMJFJL-06	9/16"X18	9/16"X18
ADTEEMJFJL-08	3/4"X16	3/4"X16
ADTEEMJFJL-10	7/8"X14	7/8"X14
ADTEEMJFJL-12	1.1/16"X12	1.1/16"X12
ADTEEMJFJL-16	1.5/16"X12	1.5/16"X12
ADTEEMJFJL-20	1.5/8"X12	1.5/8"X12

ADTEEMJMPC

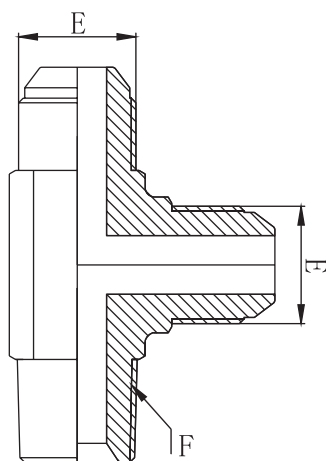
ADAPTADOR TEE MACHO JIC 37° X MACHO NPT CENTRAL



CÓDIGO	ROSCA		
	E	F	E
ADTEEMJMPC-04	7/16"X20	1/4"X18	7/16"X20
ADTEEMJMPC-04-02-04	7/16"X20	1/8"X27	7/16"X20
ADTEEMJMPC-05-02-05	1/2"X20	1/8"X27	1/2"X20
ADTEEMJMPC-05-04-05	1/2"X20	1/4"X18	1/2"X20
ADTEEMJMPC-06	9/16"X18	3/8"X18	9/16"X18
ADTEEMJMPC-06-04-06	9/16"X18	1/4"X18	9/16"X18
ADTEEMJMPC-08	3/4"X16	1/2"X14	3/4"X16
ADTEEMJMPC-08-06-08	3/4"X16	3/8"X18	3/4"X16
ADTEEMJMPC-10-08-10	7/8"X14	1/2"X14	7/8"X14
ADTEEMJMPC-10-12-10	7/8"X14	3/4"X14	7/8"X14
ADTEEMJMPC-12-16-20	1.1/16"X12	1"X11.5	1.1/16"X12
ADTEEMJMPC-12	1.1/16"X12	3/4"X14	1.1/16"X12
ADTEEMJMPC-16	1.5/16"X12	1"X11.5	1.5/16"X12
ADTEEMJMPC-20	1.5/8"X12	1.1/4"X11.5	1.5/8"X12

ADTEEMJMPL

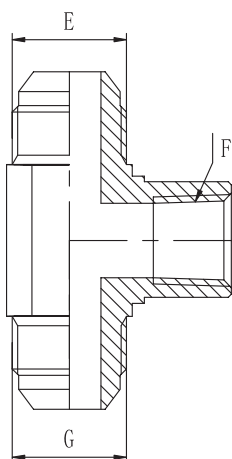
ADAPTADOR TEE MACHO JIC 37° X MACHO NPT LATERAL



CÓDIGO	ROSCA	
	E	F
ADTEEMJMPL-04	7/16"X20	1/4"X18
ADTEEMJMPL-04-04-02	7/16"X20	1/8"X27
ADTEEMJMPL-05-05-02	1/2"X20	1/8"X27
ADTEEMJMPL-05-05-04	1/2"X20	1/4"X18
ADTEEMJMPL-06	9/16"X18	3/8"X18
ADTEEMJMPL-06-06-04	9/16"X18	1/4"X18
ADTEEMJMPL-08	3/4"X16	1/2"X14
ADTEEMJMPL-08-08-06	3/4"X16	3/8"X18
ADTEEMJMPL-10-10-08	7/8"X14	1/2"X14
ADTEEMJMPL-10-10-12	7/8"X14	3/4"X14
ADTEEMJMPL-12	1.1/16"X12	3/4"X14
ADTEEMJMPL-16	1.5/16"X12	1"X11.5
ADTEEMJMPL-20	1.5/8"X12	1.1/4"X11.5

ADTEEMJFFC

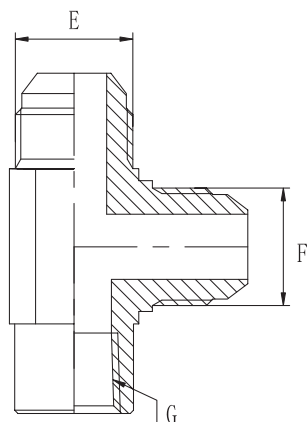
ADAPTADOR TEE MACHO JIC 37° X FÊMEA FIXA CENTRAL



CÓDIGO	ROSCA		
	E	F	G
ADTEEMJFFC-04-02-04	7/16"X20	1/8"X18	7/16"X20
ADTEEMJFFC-04-04-04	7/16"X20	1/4"X18	7/16"X20
ADTEEMJFFC-05-02-05	1/2"X20	1/8"X27	1/2"X20
ADTEEMJFFC-05-04-05	1/2"X20	1/4"X18	1/2"X20
ADTEEMJFFC-06-02-06	9/16"X18	1/8"X18	9/16"X18
ADTEEMJFFC-06-04-06	9/16"X18	1/4"X18	9/16"X18
ADTEEMJFFC-06-06-06	9/16"X18	3/8"X18	9/16"X18
ADTEEMJFFC-08-04-08	3/4"X16	1/4"X18	3/4"X16
ADTEEMJFFC-08-06-08	3/4"X16	3/8"X18	3/4"X16
ADTEEMJFFC-08-08-08	3/4"X16	1/2"X14	3/4"X16
ADTEEMJFFC-10-08-10	7/8"X14	1/2"X14	7/8"X14
ADTEEMJFFC-12-12-12	1.1/16"X12	3/4"X14	1.1/16"X12
ADTEEMJFFC-16-16-16	1.5/16"X12	1"X11.5	1.5/16"X12
ADTEEMJFFC-20-20-20	1.5/8"X12	1.1/4"X11.5	1.5/8"X12
ADTEEMJFFC-24-24-24	1.7/8"X12	1.1/2"X11.5	1.7/8"X12

ADTEEMJFFL

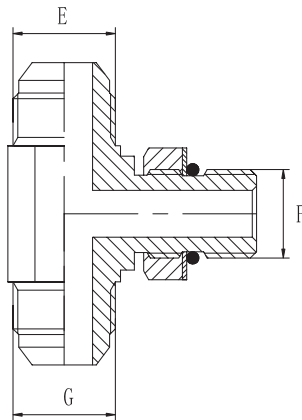
ADAPTADOR TEE MACHO JIC 37° X FÊMEA FIXA LATERAL



CÓDIGO	ROSCA	
	E	G
ADTEEMJFFL-04-04-02	7/16"X20	1/8"X18
ADTEEMJFFL-04-04-04	7/16"X20	1/4"X18
ADTEEMJFFL-04-04-06	7/16"X20	3/8"X18
ADTEEMJFFL-05-05-02	1/2"X20	1/8"X18
ADTEEMJFFL-05-05-04	1/2"X20	1/4"X18
ADTEEMJFFL-06-06-02	9/16"X18	1/8"X18
ADTEEMJFFL-06-06-04	9/16"X18	1/4"X18
ADTEEMJFFL-06-06-06	9/16"X18	3/8"X18
ADTEEMJFFL-06-06-08	9/16"X18	1/2"X14
ADTEEMJFFL-08-08-04	3/4"X16	1/4"X18
ADTEEMJFFL-08-08-06	3/4"X16	3/8"X18
ADTEEMJFFL-08-08-08	3/4"X16	1/2"X14
ADTEEMJFFL-10-10-08	7/8"X14	1/2"X14
ADTEEMJFFL-12-12-08	1.1/16"X12	1/2"X14
ADTEEMJFFL-12-12-12	1.1/16"X12	3/4"X14
ADTEEMJFFL-16-16-16	1.5/16"X12	1"X11.5
ADTEEMJFFL-20-20-20	1.5/8"X12	1.1/4"X11.5
ADTEEMJFFL-24-24-24	1.7/8"X12	1.1/2"X11.5

ADTEEMJMOC

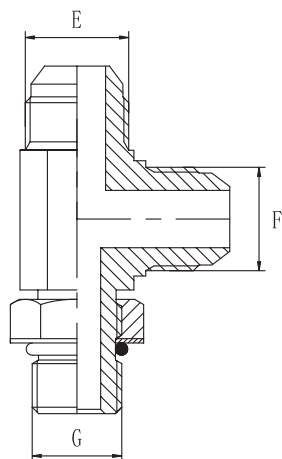
ADAPTADOR TEE MACHO JIC 37° X MACHO UNF CENTRAL ORIENTÁVEL



CÓDIGO	ROSCA		
	E	F	G
ADTEEMJMOC-04-04-04	7/16"X20	7/16"X20	7/16"X20
ADTEEMJMOC-04-05-04	7/16"X20	1/2"X20	7/16"X20
ADTEEMJMOC-04-06-04	7/16"X20	9/16"X18	7/16"X20
ADTEEMJMOC-05-05-05	1/2"X20	1/2"X20	1/2"X20
ADTEEMJMOC-06-06-06	9/16"X18	9/16"X18	9/16"X18
ADTEEMJMOC-06-08-06	9/16"X18	3/4"X16	9/16"X18
ADTEEMJMOC-08-08-08	3/4"X16	3/4"X16	3/4"X16
ADTEEMJMOC-08-10-08	3/4"X16	7/8"X14	3/4"X16
ADTEEMJMOC-08-12-08	3/4"X16	1.1/16"X12	3/4"X16
ADTEEMJMOC-10-08-10	7/8"X14	3/4"X16	7/8"X14
ADTEEMJMOC-10-10-10	7/8"X14	7/8"X14	7/8"X14
ADTEEMJMOC-10-12-10	7/8"X14	1.1/16"X12	7/8"X14
ADTEEMJMOC-12-08-12	1.1/16"X12	3/4"X16	1.1/16"X12
ADTEEMJMOC-12-10-12	1.1/16"X12	7/8"X14	1.1/16"X12
ADTEEMJMOC-12-12-12	1.1/16"X12	1.1/16"X12	1.1/16"X12
ADTEEMJMOC-12-16-12	1.1/16"X12	1.5/16"X12	1.1/16"X12
ADTEEMJMOC-16-12-16	1.5/16"X12	1.1/16"X12	1.5/16"X12
ADTEEMJMOC-16-16-16	1.5/16"X12	1.5/16"X12	1.5/16"X12
ADTEEMJMOC-16-20-16	1.5/16"X12	1.5/8"X12	1.5/16"X12
ADTEEMJMOC-20-20-20	1.5/8"X12	1.5/8"X12	1.5/8"X12
ADTEEMJMOC-24-24-24	1.7/8"X12	1.7/8"X12	1.7/8"X12

ADTEEMJMOL

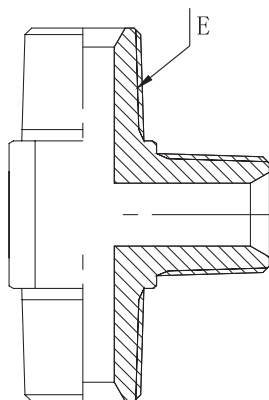
ADAPTADOR TEE MACHO JIC 37° X MACHO UNF LATERAL ORIENTÁVEL



CÓDIGO	ROSCA	
	E	G
ADTEEMJMOL-04-04-04	7/16"X20	7/16"X20
ADTEEMJMOL-04-04-05	7/16"X20	1/2"X20
ADTEEMJMOL-04-04-06	7/16"X20	9/16"X18
ADTEEMJMOL-05-05-05	1/2"X20	1/2"X20
ADTEEMJMOL-06-06-06	9/16"X18	9/16"X18
ADTEEMJMOL-06-06-08	9/16"X18	3/4"X16
ADTEEMJMOL-08-08-06	3/4"X16	9/16"X18
ADTEEMJMOL-08-08-08	3/4"X16	3/4"X16
ADTEEMJMOL-08-08-10	3/4"X16	7/8"X14
ADTEEMJMOL-08-08-12	3/4"X16	1.1/16"X12
ADTEEMJMOL-10-10-08	7/8"X14	3/4"X16
ADTEEMJMOL-10-10-10	7/8"X14	7/8"X14
ADTEEMJMOL-10-10-12	7/8"X14	1.1/16"X12
ADTEEMJMOL-12-12-08	1.1/16"X12	3/4"X16
ADTEEMJMOL-12-12-10	1.1/16"X12	7/8"X14
ADTEEMJMOL-12-12-12	1.1/16"X12	1.1/16"X12
ADTEEMJMOL-12-12-16	1.1/16"X12	1.5/16"X12
ADTEEMJMOL-16-16-12	1.5/16"X12	1.1/16"X12
ADTEEMJMOL-16-16-16	1.5/16"X12	1.5/16"X12
ADTEEMJMOL-16-16-20	1.5/16"X12	1.5/8"X12
ADTEEMJMOL-20-20-20	1.5/8"X12	1.5/8"X12
ADTEEMJMOL-24-24-24	1.7/8"X12	1.7/8"X12

ADTEEMP

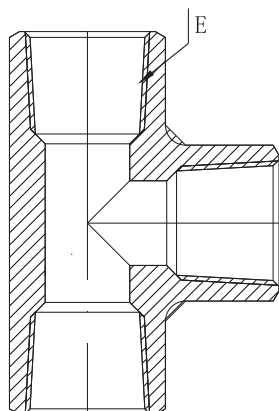
ADAPTADOR TEE MACHO NPT



CÓDIGO	ROSCA
ADTEEMP-02	1/8"X27
ADTEEMP-04	1/4"X18
ADTEEMP-06	3/8"X18
ADTEEMP-08	1/2"X14
ADTEEMP-12	3/4"X14
ADTEEMP-16	1"X11.5
ADTEEMP-20	1.1/4"X11.5

ADTEEFF

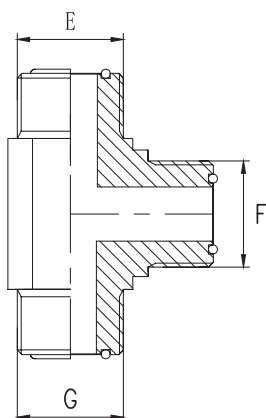
ADAPTADOR TEE FÊMEA FIXA NPT



CÓDIGO	ROSCA
ADTEEFF-02	1/8"X27
ADTEEFF-04	1/4"X18
ADTEEFF-06	3/8"X18
ADTEEFF-08	1/2"X14
ADTEEFF-12	3/4"X14
ADTEEFF-16	1"X11.5
ADTEEFF-20	1.1/4"X11.5
ADTEEFF-24	1.1/2"X11.5
ADTEEFF-32	2"X11.5

ADTEEMSP

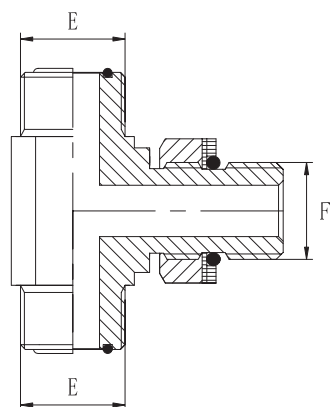
ADAPTADOR TEE MACHO ORFS



CÓDIGO	ROSCA
ADTEEMSP-04-04	9/16"X18
ADTEEMSP-06-06	11/16"X16
ADTEEMSP-08-08	13/16"X16
ADTEEMSP-10-10	1"X14
ADTEEMSP-12-12	1.3/16"X12
ADTEEMSP-16-16	1.7/16"X12
ADTEEMSP-20-20	1.11/16"X12
ADTEEMSP-24-24	2"X12

ADTEEMSPMOC

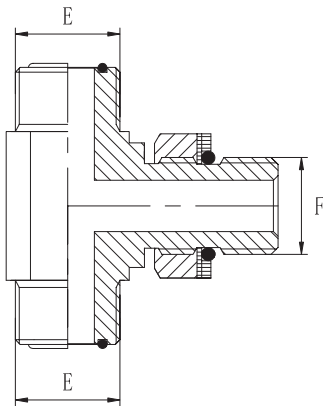
ADAPTADOR TEECMACHO ORFS X MACHO UNF CENTRAL ORIENTÁVEL



CÓDIGO	ROSCA		E
	E	F	
ADTEEMSPMOC-04-04-04	9/16"X18	7/16"X20	9/16"X18
ADTEEMSPMOC-04-05-04	9/16"X18	1/2"X20	9/16"X18
ADTEEMSPMOC-04-06-04	9/16"X18	9/16"X18	9/16"X18
ADTEEMSPMOC-04-08-04	9/16"X18	3/4"X16	9/16"X18
ADTEEMSPMOC-06-04-06	11/16"X16	7/16"X20	11/16"X16
ADTEEMSPMOC-06-06-06	11/16"X16	9/16"X18	11/16"X16
ADTEEMSPMOC-06-08-06	11/16"X16	3/4"X16	11/16"X16
ADTEEMSPMOC-06-10-06	11/16"X16	7/8"X14	11/16"X16
ADTEEMSPMOC-06-12-06	11/16"X16	1.1/16"X12	11/16"X16
ADTEEMSPMOC-08-06-08	13/16"X16	1.1/16"X12	13/16"X16
ADTEEMSPMOC-08-08-08	13/16"X16	3/4"X16	13/16"X16
ADTEEMSPMOC-08-10-08	13/16"X16	7/8"X14	13/16"X16
ADTEEMSPMOC-08-12-08	13/16"X16	1.1/16"X12	13/16"X16
ADTEEMSPMOC-10-08-10	1"X14	3/4"X16	1"X14
ADTEEMSPMOC-10-10-10	1"X14	7/8"X14	1"X14
ADTEEMSPMOC-10-12-10	1"X14	1.1/16"X12	1"X14
ADTEEMSPMOC-12-08-12	1.3/16"X12	3/4"X16	1.3/16"X12
ADTEEMSPMOC-12-10-12	1.3/16"X12	7/8"X14	1.3/16"X12
ADTEEMSPMOC-12-12-12	1.3/16"X12	1.1/16"X12	1.3/16"X12
ADTEEMSPMOC-12-16-12	1.3/16"X12	1.5/16"X12	1.3/16"X12
ADTEEMSPMOC-16-12-16	1.7/16"X12	1.1/16"X12	1.7/16"X12
ADTEEMSPMOC-16-16-16	1.7/16"X12	1.5/16"X12	1.7/16"X12
ADTEEMSPMOC-16-20-16	1.7/16"X12	1.5/8"X12	1.7/16"X12
ADTEEMSPMOC-20-16-20	1.11/16"X12	1.5/16"X12	1.11/16"X12
ADTEEMSPMOC-20-20-20	1.11/16"X12	1.5/8"X12	1.11/16"X12
ADTEEMSPMOC-20-24-20	1.11/16"X12	1.7/8"X12	1.11/16"X12
ADTEEMSPMOC-24-20-24	2"X12	1.5/8"X12	2"X12
ADTEEMSPMOC-24-24-24	2"X12	1.7/8"X12	2"X12

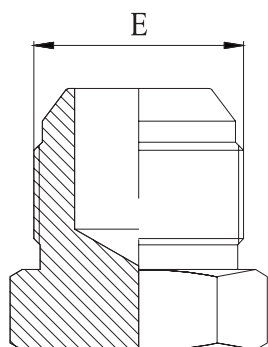
ADTEEMSPMBC

ADAPTADOR TEE MACHO ORFS X MACHO BSP CENTRAL ORIENTÁVEL



CÓDIGO	ROSCA		E
	E	F	
ADTEEMSPMBC-04-02-04	9/16"X18	1/8"X28	9/16"X18
ADTEEMSPMBC-04-04-04	9/16"X18	1/4"X19	9/16"X18
ADTEEMSPMBC-04-06-04	9/16"X18	3/8"X19	9/16"X18
ADTEEMSPMBC-06-04-06	11/16"X16	1/4"X19	11/16"X16
ADTEEMSPMBC-06-06-06	11/16"X16	3/8"X19	11/16"X16
ADTEEMSPMBC-06-08-06	11/16"X16	1/2"X14	11/16"X16
ADTEEMSPMBC-08-04-08	13/16"X16	1/4"X19	13/16"X16
ADTEEMSPMBC-08-06-08	13/16"X16	3/8"X19	13/16"X16
ADTEEMSPMBC-08-08-08	13/16"X16	1/2"X14	13/16"X16
ADTEEMSPMBC-08-12-08	13/16"X16	3/4"X14	13/16"X16
ADTEEMSPMBC-10-04-10	1"X14	1/4"X19	1"X14
ADTEEMSPMBC-10-06-10	1"X14	3/8"X19	1"X14
ADTEEMSPMBC-10-08-10	1"X14	1/2"X14	1"X14
ADTEEMSPMBC-10-12-10	1"X14	3/4"X14	1"X14
ADTEEMSPMBC-10-16-10	1"X14	1"X11	1"X14
ADTEEMSPMBC-12-04-12	1.3/16"X12	1/4"X19	1.3/16"X12
ADTEEMSPMBC-12-08-12	1.3/16"X12	1/2"X14	1.3/16"X12
ADTEEMSPMBC-12-12-12	1.3/16"X12	3/4"X14	1.3/16"X12
ADTEEMSPMBC-12-16-12	1.3/16"X12	1"X11	1.3/16"X12
ADTEEMSPMBC-16-04-16	1.7/16"X12	1/4"X19	1.7/16"X12
ADTEEMSPMBC-16-12-16	1.7/16"X12	3/4"X14	1.7/16"X12
ADTEEMSPMBC-16-16-16	1.7/16"X12	1"X11	1.7/16"X12
ADTEEMSPMBC-16-20-16	1.7/16"X12	1.1/4"X11	1.7/16"X12
ADTEEMSPMBC-20-16-20	1.11/16"X12	1"X11	1.11/16"X12
ADTEEMSPMBC-20-20-20	1.11/16"X12	1.1/4"X11	1.11/16"X12
ADTEEMSPMBC-20-24-20	1.11/16"X12	1.1/2"X11	1.11/16"X12
ADTEEMSPMBC-24-24-24	2"X12	1.1/2"X11	2"X12

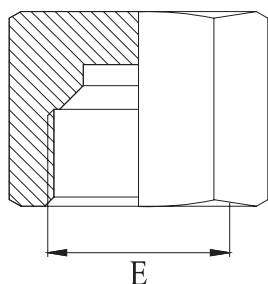
ADMJ



TAMPÃO MACHO JIC 37° SEXTAVADO EXTERNO

CÓDIGO	ROSCA E
ADMJ-04	7/16"X20
ADMJ-05	1/2"X20
ADMJ-06	9/16"X18
ADMJ-08	3/4"X16
ADMJ-10	7/8"X14
ADMJ-12	1.1/16"X12
ADMJ-16	1.5/16"X12
ADMJ-20	1.5/8"X12
ADMJ-24	1.7/8"X12
ADMJ-32	2.1/2"X12

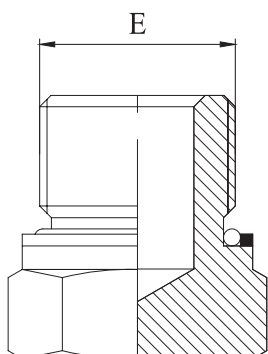
ADFJ



TAMPÃO FÊMEA JIC 37° SEXTAVADO EXTERNO

CÓDIGO	ROSCA E
ADFJ-04	7/16"X20
ADFJ-05	1/2"X20
ADFJ-06	9/16"X18
ADFJ-08	3/4"X16
ADFJ-10	7/8"X14
ADFJ-12	1.1/16"X12
ADFJ-16	1.5/16"X12

ADMB

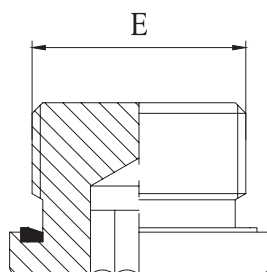


TAMPÃO MACHO BSP SEXTAVADO EXTERNO

CÓDIGO	ROSCA E
ADMB-04	1/4"X19
ADMB-06	3/8"X19
ADMB-08	1/2"X14
ADMB-12	3/4"X14
ADMB-16	1"X11

ADMBSI

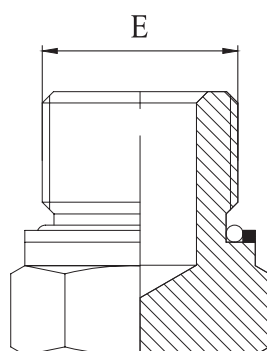
TAMPÃO MACHO BSP SEXTAVADO INTERNO



CÓDIGO	ROSCA E	
ADMBSI-02	1/8"X28	
ADMBSI-04	1/4"X19	
ADMBSI-06	3/8"X19	
ADMBSI-08	1/2"X14	
ADMBSI-12	3/4"X14	
ADMBSI-16	1"X11	
ADMBSI-20	1.1/4"X11	
ADMBSI-24	1.1/2"X11	

ADMSP

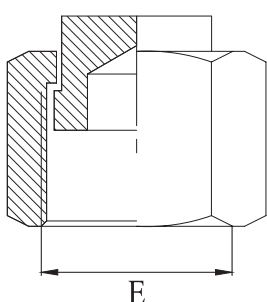
TAMPÃO MACHO SEDE PLANA (ORFS) SEXTAVADO EXTERNO



CÓDIGO	ROSCA E	
ADMSP-04	9/16"X18	
ADMSP-06	11/16"X16	
ADMSP-08	13/16"X16	
ADMSP-10	1"X14	
ADMSP-12	1.3/16"X12	
ADMSP-16	1.7/16"X12	
ADMSP-20	1.11/16"X12	

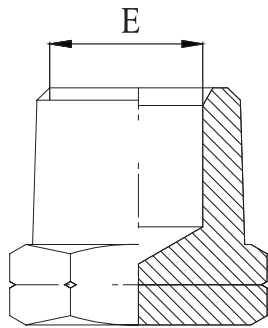
ADFSP

TAMPÃO FÊMEA SEDE PLANA (ORFS) SEXTAVADO EXTERNO



CÓDIGO	ROSCA E	
ADFSP-04	9/16"X18	
ADFSP-06	11/16"X16	
ADFSP-08	13/16"X16	
ADFSP-10	1"X14	
ADFSP-12	1.3/16"X12	
ADFSP-16	1.7/16"X12	
ADFSP-20	1.11/16"X12	

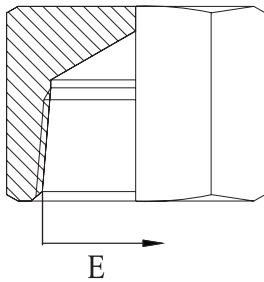
ADMP



TAMPÃO MACHO NPT SEXTAVADO EXTERNO

CÓDIGO	ROSCA E	
ADMP-02	1/8"X27	
ADMP-04	1/4"X18	
ADMP-06	3/8"X18	
ADMP-08	1/2"X14	
ADMP-12	3/4"X14	
ADMP-16	1"X11.5	
ADMP-20	1.1/4"X11.5	
ADMP-24	1.1/2"X11.5	
ADMP-32	2"X11.5	

ADFF

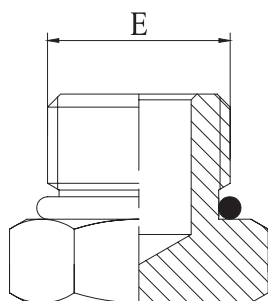


TAMPÃO FÊMEA NPT SEXTAVADO EXTERNO

CÓDIGO	ROSCA E	
ADFF-02	1/8"X27	
ADFF-04	1/4"X18	
ADFF-06	3/8"X18	
ADFF-08	1/2"X14	
ADFF-12	3/4"X14	
ADFF-16	1"X11.5	
ADFF-20	1.1/4"X11.5	
ADFF-24	1.1/2"X11.5	
ADFF-32	2"X11.5	

ADMOSE

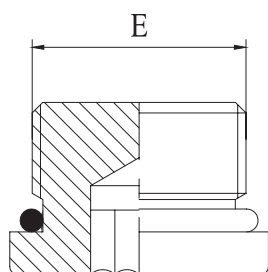
TAMPÃO MACHO O`RING UNF SEXTAVADO EXTERNO



CÓDIGO	ROSCA E	
ADMOSE-04	7/16"X20	
ADMOSE-05	1/2"X20	
ADMOSE-06	9/16"X18	
ADMOSE-08	3/4"X16	
ADMOSE-10	7/8"X14	
ADMOSE-12	1.1/16"X12	
ADMOSE-14	1.3/16"X12	
ADMOSE-16	1.5/16"X12	
ADMOSE-20	1.5/8"X12	
ADMOSE-24	1.7/8"X12	
ADMOSE-32	2.1/2"X12	

ADMOSI

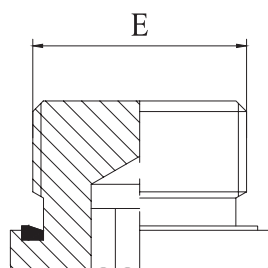
TAMPÃO MACHO O`RING UNF SEXTAVADO INTERNO



CÓDIGO	ROSCA E	
ADMOSI-04	7/16"X20	
ADMOSI-05	1/2"X20	
ADMOSI-06	9/16"X18	
ADMOSI-08	3/4"X16	
ADMOSI-10	7/8"X14	
ADMOSI-12	1.1/16"X12	
ADMOSI-14	1.3/16"X12	
ADMOSI-16	1.5/16"X12	
ADMOSI-20	1.5/8"X12	

ADMMSI

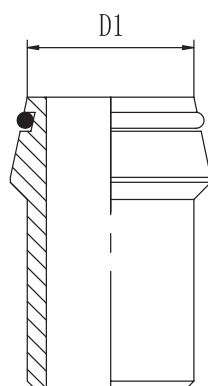
TAMPÃO MACHO MÉTRICO SEXTAVADO INTERNO



CÓDIGO	ROSCA	
ADMMSI-10	10X1	
ADMMSI-12	12X1.5	
ADMMSI-14	14X1.5	
ADMMSI-16	16X1.5	
ADMMSI-18	18X1.5	
ADMMSI-20	20X1.5	
ADMMSI-22	22X1.5	
ADMMSI-26	26X1.5	
ADMMSI-27	27X2	
ADMMSI-33	33X2	
ADMMSI-42	42X2	
ADMMSI-48	48X2	

ADT

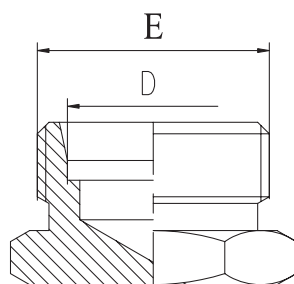
TAMPÃO PARA TUBO



CÓDIGO	TUBO D1	
ADT-06	06	
ADT-08	08	
ADT-10	10	
ADT-12	12	
ADT-14	14	
ADT-15	15	
ADT-16	16	
ADT-18	18	
ADT-20	20	
ADT-22	22	
ADT-25	25	
ADT-28	28	
ADT-30	30	
ADT-35	35	
ADT-38	38	
ADT-42	42	

ADMMSE

TAMPÃO MACHO PARA TUBO SEXTAVADO EXTERNO

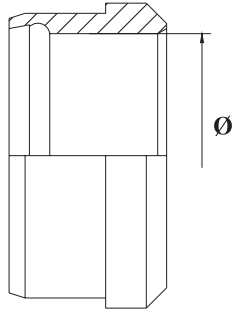


CÓDIGO	ROSCA E	TUBO D	
SÉRIE LEVE			
ADMMLSE-06	M12X1.5	06	
ADMMLSE-08	M14X1.5	08	
ADMMLSE-10	M16X1.5	10	
ADMMLSE-12	M18X1.5	12	
ADMMLSE-15	M22X1.5	15	
ADMMLSE-18	M26X1.5	18	
ADMMLSE-22	M30X2	22	
ADMMLSE-28	M36X2	28	
ADMMLSE-35	M45X2	35	
ADMMLSE-42	M50X2	42	
SÉRIE PESADA			
ADMMPSE-06	M14X1.5	06	
ADMMPSE-08	M16X1.5	08	
ADMMPSE-10	M18X1.5	10	
ADMMPSE-12	M20X1.5	12	
ADMMPSE-14	M22X1.5	14	
ADMMPSE-16	M24X1.5	16	
ADMMPSE-20	M30X2	20	
ADMMPSE-25	M36X2	25	
ADMMPSE-30	M42X2	30	
ADMMPSE-38	M52X2	38	



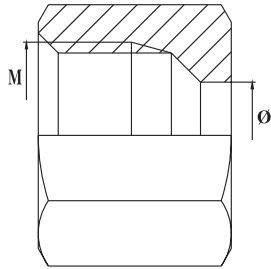
AA

ANILHA



CÓDIGO	TUBO
SÉRIE LEVE	
AA-06	06
AA-08	08
AA-10	10
AA-12	12
AA-15	15
AA-18	18
AA-22	22
AA-28	28
AA-35	35
AA-42	42
SÉRIE PESADA	
AA-14	14
AA-16	16
AA-20	20
AA-25	25
AA-30	30
AA-38	38

PA

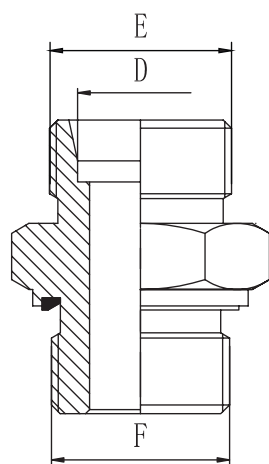


PORCA DIN

CÓDIGO	ROSCA	TUBO
SÉRIE LEVE		
PA-06-L	M12X1.5	06
PA-08-L	M14X1.5	08
PA-10-L	M16X1.5	10
PA-12-L	M18X1.5	12
PA-15-L	M22X1.5	15
PA-18-L	M26X1.5	18
PA-22-L	M30X2	22
PA-28-L	M36X2	28
PA-35-L	M45X2	35
PA-42-L	M50X2	42
SÉRIE PESADA		
PA-06-S	M14X1.5	06
PA-08-S	M16X1.5	08
PA-10-S	M18X1.5	10
PA-12-S	M20X1.5	12
PA-14-S	M22X1.5	14
PA-16-S	M24X1.5	16
PA-20-S	M30X2.0	20
PA-25-S	M36X2.0	25
PA-38-S	M52X2.0	38

UMA | BSP

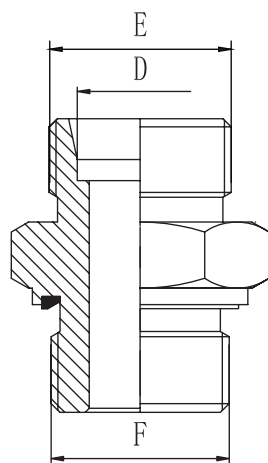
CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA BSP COM ANEL VEDAÇÃO



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
UMA-06X1/8BSP-L	06	M12X1.5	1/8-28
UMA-08X1/4BSP-L	08	M14X1.5	1/4-19
UMA-08X3/8BSP-L	08	M14X1.5	3/8-19
UMA-10X1/8BSP-L	10	M16X1.5	1/8-28
UMA-10X1/4BSP-L	10	M16X1.5	1/4-19
UMA-10X3/8BSP-L	10	M16X1.5	3/8-19
UMA-12X1/4BSP-L	12	M18X1.5	1/4-19
UMA-12X3/8BSP-L	12	M18X1.5	3/8-19
UMA-12X1/2BSP-L	12	M18X1.5	1/2-14
UMA-12X3/4BSP-L	12	M18X1.5	3/4-14
UMA-15X3/8BSP-L	15	M22X1.5	3/8-19
UMA-15X1/2BSP-L	15	M22X1.5	1/2-14
UMA-18X3/8BSP-L	18	M26X1.5	3/8-19
UMA-18X1/2BSP-L	18	M26X1.5	1/2-14
UMA-18X3/4BSP-L	18	M26X1.5	3/4-14
UMA-18X1BSP-L	18	M26X1.5	1-11
UMA-22X3/4BSP-L	22	M30X2.0	3/4-14
UMA-28X1BSP-L	28	M36X2.0	1-11
UMA-28X1.1/4BSP-L	28	M36X2.0	1.1/4-11
UMA-35X1BSP-L	24	M45X2.0	1-11
UMA-35X1.1/4BSP-L	35	M45X2.0	1.1/4-19
UMA-42X1.1/2BSP-L	42	M52X2.0	1.1/2-11
SÉRIE PESADA			
UMA-08X1/4BSP-S	08	M16X1.5	1/4-19
UMA-08X3/8BSP-S	08	M16X1.5	3/8-19
UMA-10X1/4BSP-S	10	M18X1.5	1/4-19
UMA-10X3/8BSP-S	10	M18X1.5	3/8-19
UMA-12X3/8BSP-S	12	M20X1.5	3/8-19
UMA-12X1/2BSP-S	12	M20X1.5	1/2-14
UMA-14X1/2BSP-S	14	M22X1.5	1/2-14
UMA-16X3/8BSP-S	16	M24X1.5	3/8-19
UMA-16X1/2BSP-S	16	M24X1.5	1/2-14
UMA-16X3/4BSP-S	16	M24X1.5	3/4-14
UMA-16X1BSP-S	16	M24X1.5	1-11
UMA-20X3/4BSP-S	20	M30X2.0	3/4-14
UMA-25X3/4BSP-S	25	M36X2.0	3/4-14
UMA-28X3/4BSP-L	28	M36X2.0	3/4-14
UMA-25X1BSP-S	25	M36X2.0	1-11
UMA-25X1.1/4BSP-S	25	M36X2.0	1.1/4-11
UMA-30X1BSP-S	30	M42X2.0	1-11
UMA-30X1.1/4BSP-S	30	M42X2.0	1.1/4-11
UMA-30X1.1/2BSP-S	30	M42X2.0	1.1/2-11
UMA-38X1.1/4BSP-S	38	M52X2.0	1.1/4-11
UMA-38X1.1/2BSP-S	38	M52X2.0	1.1/2-11

UMA | MM

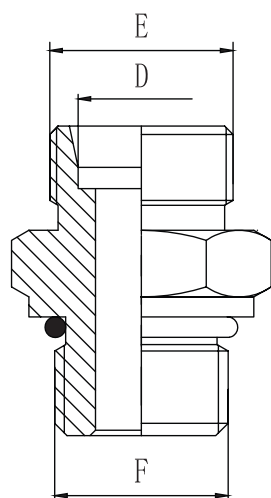
CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA MÉTRICA COM ANEL VEDAÇÃO



CÓDIGO	TUBO D	ROSCA F	
SÉRIE LEVE			
UMA-06XM12-L	06	M12X1.5	
UMA-08XM12-L	08	M12X1.5	
UMA-10XM12-L	10	M12X1.5	
UMA-12XM12-L	12	M12X1.5	
UMA-12XM16-L	12	M16X1.5	
UMA-12XM18-L	12	M18X1.5	
UMA-15XM18-L	15	M18X1.5	
UMA-15XM22-L	15	M22X1.5	
UMA-18XM22-L	18	M22X1.5	
UMA-18XM26-L	18	M26X1.5	
UMA-22XM22-L	22	M22X1.5	
UMA-22XM26-L	22	M26X2.0	
UMA-35XM33-L	35	M33X2.0	
UMA-35XM42-L	35	M42X2.0	
UMA-42XM48-L	42	M48X2.0	
SÉRIE PESADA			
UMA-08XM12-S	08	M12X1.5	
UMA-10XM16-S	10	M16X1.5	
UMA-12XM18-S	12	M18X1.5	
UMA-16XM22-S	16	M22X1.5	
UMA-20XM22-S	20	M22X1.5	
UMA-25XM33-S	25	M33X2.0	
UMA-25XM36-S	25	M36X2.0	
UMA-30XM42-S	30	M42X2.0	
UMA-38XM42-S	38	M42X2.0	
UMA-38XM48-S	38	M48X2.0	

UMA | UNF

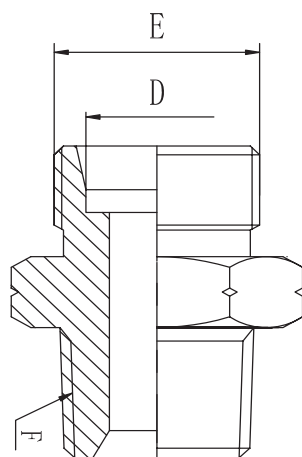
CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA UNF COM ANEL O'RING



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
UMA-06X9/16UNF-L	06	M12X1.5	9/16-18
UMA-10X9/16UNF-L	10	M16X1.5	9/16-18
UMA-10X3/4UNF-L	10	M16X1.5	3/4-16
UMA-12X7/16UNF-L	12	M18X1.5	7/16-20
UMA-12X9/16UNF-L	12	M18X1.5	9/16-18
UMA-12X3/4UNF-L	12	M18X1.5	3/4-16
UMA-12X7/8UNF-L	12	M18X1.5	7/8-14
UMA-12X1.1/16UNF-L	12	M18X1.5	1.1/16-16
UMA-15X9/16UNF-L	15	M22X1.5	9/16-18
UMA-15X3/4UNF-L	15	M22X1.5	3/4-16
UMA-15X1.1/16UNF-L	15	M22X1.5	1.1/16-16
UMA-15X1.5/16UNF-L	15	M22X1.5	1.5/16-12
UMA-18X3/4UNF-L	18	M26X1.5	3/4-16
UMA-18X7/8UNF-L	18	M26X1.5	7/8-14
UMA-18X1.1/16UNF-L	18	M26X1.5	1.1/16-16
UMA-22X1.1/16UNF-L	22	M30X2.0	1.1/16-16
UMA-28X1.5/16UNF-L	28	M36X2.0	1.5/16-12
UMA-35X1.5/8UNF-L	35	M45X2.0	1.5/8-12
UMA-42X1.7/8UNF-L	42	M52X2.0	1.7/8-14
SÉRIE PESADA			
UMA-08X9/16UNF-S	08	M16X1.5	9/16-18
UMA-08X3/4UNF-S	08	M16X1.5	3/4-16
UMA-10X9/16UNF-S	10	M18X1.5	9/16-18
UMA-10X3/4UNF-S	10	M18X1.5	1/2-20
UMA-16X3/4UNF-S	16	M24X1.5	3/4-16
UMA-16X7/8UNF-S	16	M24X1.5	7/8-14
UMA-16X1.1/16UNF-S	16	M24X1.5	1.1/16-16
UMA-20X7/8UNF-S	20	M30X2.0	7/8-14
UMA-20X1.1/16UNF-S	20	M30X2.0	1.1/16-16
UMA-25X1.1/16UNF-S	25	M36X2.0	1.1/16-16
UMA-25X1.5/16UNF-S	25	M36X2.0	1.1/16-16
UMA-30X1.5/8UNF-S	30	M42X2.0	1.5/8-12
UMA-38X1.7/8UNF-S	38	M52X2.0	1.7/8-14

UMA | NPT

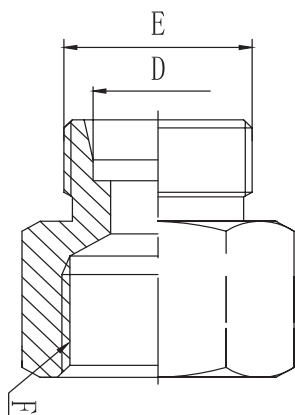
CONEXÃO RETA MACHO MÉTRICO X MACHO ROSCA NPT



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
UMA-06X1/8NPT-L	06	M12X1.5	1/8-27
UMA-06X1/4NPT-L	06	M12X1.5	1/4-18
UMA-08X1/8NPT-L	08	M14X1.5	1/8-27
UMA-08X1/4NPT-L	08	M14X1.5	1/4-18
UMA-08X3/8NPT-L	08	M14X1.5	3/8-18
UMA-10X1/4NPT-L	10	M16X1.5	1/4-18
UMA-10X3/8NPT-L	10	M16X1.5	3/8-18
UMA-12X3/8NPT-L	12	M18X1.5	3/8-18
UMA-12X1/2NPT-L	12	M18X1.5	1/2-14
UMA-15X1/2NPT-L	15	M22X1.5	1/2-14
UMA-15X3/4NPT-L	15	M22X1.5	3/4-14
UMA-18X3/4NPT-L	18	M26X1.5	3/4-14
UMA-22X3/4NPT-L	22	M30X2.0	3/4-14
UMA-28X1NPT-L	28	M36X2.0	1-11.5
UMA-35X1.1/4NPT-L	35	M45X2.0	1.1/4-11.5
UMA-42X1.1/4NPT-L	42	M52X2.0	1.1/4-11.5
UMA-42X1.1/2NPT-L	42	M52X2.0	1.1/2-11.5
SÉRIE PESADA			
UMA-12X3/8NPT-S	12	M20X1.5	3/8-18
UMA-12X1/2NPT-S	12	M20X1.5	1/2-14
UMA-14X3/8NPT-S	14	M22X1.5	3/8-18
UMA-14X1/2NPT-S	14	M22X1.5	1/2-14
UMA-14X1NPT-S	14	M22X1.5	1-11.5
UMA-16X1/2NPT-S	16	M24X1.5	3/8-18
UMA-18X3/4NPT-S	18	M24X1.5	3/4-14
UMA-16X1NPT-S	16	M24X1.5	1-11.5
UMA-20X3/4NPT-S	20	M30X2.0	3/4-14
UMA-25X1NPT-S	25	M36X2.0	1-11.5
UMA-30X3/4NPT-S	30	M42X2.0	3/4-14

UFA | BSP

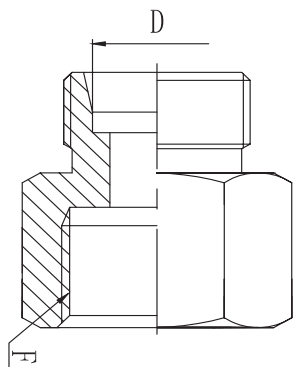
CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA BSP



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
UFA-06X1/2BSP-L	06	M12X1.5	1/2-14
UFA-10X1/4BSP-L	10	M16X1.5	1/4-19
UFA-10X3/8BSP-L	10	M16X1.5	3/8-19
UFA-10X1/2BSP-L	10	M16X1.5	1/2-14
UFA-12X1/4BSP-L	12	M18X1.5	1/4-19
UFA-12X3/8BSP-L	12	M18X1.5	3/8-19
UFA-12X1/2BSP-L	12	M18X1.5	1/2-14
UFA-15X1/2BSP-L	15	M22X1.5	1/2-14
UFA-22X3/4BSP-L	22	M30X2.0	3/4-14
UFA-28X1BSP-L	28	M36X2.0	1-11
SÉRIE PESADA			
UFA-10X1/4BSP-S	16	M16X1.5	1/4-19
UFA-10X3/8BSP-S	10	M18X1.5	3/8-19
UFA-12X1/2BSP-S	12	M20X1.5	1/2-14
UFA-16X1/2BSP-S	16	M24X1.5	1/2-14
UFA-20X3/4BSP-S	20	M30X2.0	3/4-14
UFA-25X3/4BSP-S	25	M36X2.0	3/4-14
UFA-25X1BSP-S	25	M36X2.0	1-11

UFA

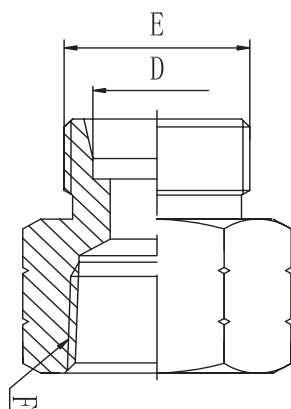
CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA MÉTRICA



CÓDIGO	TUBO	ROSCA
	D	F
SÉRIE LEVE		
UFA-12XM16-L	12	M16X1.5
UFA-18XM22-L	18	M22X1.5
UFA-22XM26-L	22	M26X1.5
UFA-35XM42-L	35	M42X2.0
UFA-42XM48-L	42	M48X2.0
SÉRIE PESADA		
UFA-10XM16-S	10	M16X1.5
UFA-12XM18-S	12	M18X1.5
UFA-16XM22-S	16	M22X1.5
UFA-30XM42-S	30	M42X2.0

UFA | NPT

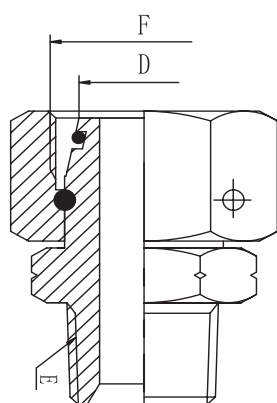
CONEXÃO RETA MACHO MÉTRICO X FÊMEA ROSCA NPT



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
UFA-10X1/4NPT-L	10	M16X1.5	1/4-18
UFA-10X3/8NPT-L	10	M16X1.5	3/8-18
UFA-12X3/8NPT-L	12	M18X1.5	3/8-18
UFA-15X1/2NPT-L	15	M22X1.5	1/2-14
UFA-18X1/2NPT-L	18	M26X1.5	1/2-14
UFA-22X3/4NPT-L	22	M30X2.0	3/4-14
UFA-28X1NPT-L	28	M36X2.0	1-11.5
SÉRIE PESADA			
UFA-10X3/8NPT-S	10	M18X1.5	3/8-18
UFA-12X3/8NPT-S	12	M20X1.5	3/8-18
UFA-16X1/2NPT-S	16	M24X1.5	1/2-14
UFA-25X3/4NPT-S	25	M36X2.0	3/4-14
UFA-25X1NPT-S	25	M36X2.0	1-11.5
UFA-30X1.1/4NPT-S	30	M42X2.0	1.1/4-11.5

MAMA | NPT

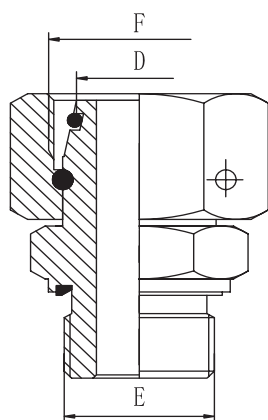
CONEXÃO RETA MACHO ROSCA NPT X FÊMEA DKO



CÓDIGO	TUBO	ROSCA	
	D	F	E
SÉRIE LEVE			
MAMA-08X1/4NPT-L	08	M14X1.5	1/4-14
MAMA-08X3/8NPT-L	08	M14X1.5	3/8-18
MAMA-12X3/8NPT-L	12	M18X1.5	3/8-18
MAMA-15X1/2NPT-L	15	M22X1.5	1/2-14
MAMA-18X1/2NPT-L	18	M26X1.5	1/2-14
MAMA-22X3/4NPT-L	22	M30X2.0	3/4-14
MAMA-22X1NPT-L	22	M30X2.0	1-11.5
MAMA-28X1NPT-L	28	M36X2.0	1-11.5
SÉRIE PESADA			
MAMA-08X1/4NPT-S	08	M16X1.5	1/4-14
MAMA-12X3/8NPT-S	12	M20X1.5	3/8-18
MAMA-14X1/2NPT-S	14	M22X1.5	1/2-14
MAMA-16X1/2NPT-S	16	M24X1.5	1/2-14
MAMA-16X3/4NPT-S	16	M24X1.5	3/4-14
MAMA-20X3/4NPT-S	20	M30X2.0	3/4-14
MAMA-25X3/4NPT-S	25	M36X2.0	3/4-14
MAMA-25X1NPT-S	25	M36X2.0	1-11.5

MAMA | BSP

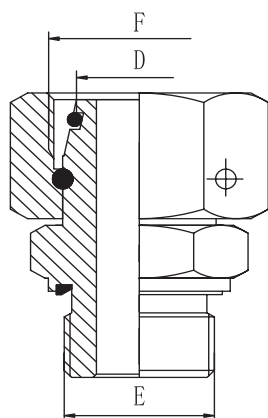
CONEXÃO RETA MACHO ROSCA BSP COM ANEL DE VEDAÇÃO X FÊMEA DKO



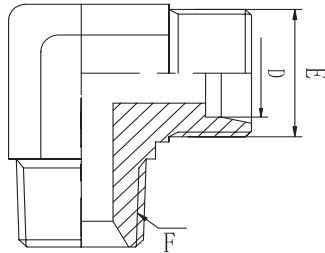
CÓDIGO	TUBO	ROSCA	
	D	F	E
SÉRIE LEVE			
MAMA-08X1/4BSP-L	08	M14X1.5	1/4-19
MAMA-10X1/4BSP-L	10	M16X1.5	1/4-19
MAMA-12X1/4BSP-L	12	M18X1.5	1/4-19
MAMA-12X3/8BSP-L	12	M18X1.5	3/8-19
MAMA-12X1/2BSP-L	12	M18X1.5	1/2-14
MAMA-15X1/2BSP-L	15	M22X1.5	1/2-14
MAMA-18X1/2BSP-L	18	M26X1.5	1/2-14
MAMA-22X3/4BSP-L	22	M30X2.0	3/4-14
MAMA-28X1BSP-L	28	M36X2.0	1-11
SÉRIE PESADA			
MAMA-06X1/4BSP-S	06	M14X1.5	1/4-19
MAMA-08X1/4BSP-S	08	M16X1.5	1/4-19
MAMA-10X3/8BSP-S	10	M18X1.5	3/8-19
MAMA-12X3/8BSP-S	12	M20X1.5	3/8-19
MAMA-12X1/2BSP-S	12	M20X1.5	1/2-14
MAMA-14X1/2BSP-S	14	M22X1.5	1/2-14
MAMA-16X1/2BSP-S	16	M24X1.5	1/2-14
MAMA-20X3/4BSP-S	20	M30X2.0	3/4-14
MAMA-25X3/4BSP-S	25	M36X2.0	3/4-14
MAMA-25X1BSP-S	25	M36X2.0	1-11

MAMA | MM

CONEXÃO RETA MACHO ROSCA MÉTRICA COM ANEL DE VEDAÇÃO X FÊMEA DKO



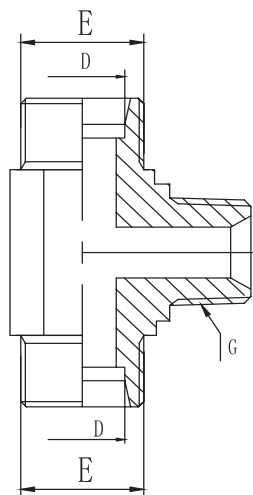
CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
MAMA-06XM10-L	06	M10X1.5	M12X1.5
MAMA-08XM12-L	08	M12X1.5	M14X1.5
MAMA-10XM14-L	10	M14X1.5	M16X1.5
MAMA-12XM16-L	12	M16X1.5	M18X1.5
MAMA-15XM18-L	15	M18X1.5	M22X1.5
MAMA-18XM22-L	18	M22X1.5	M26X1.5
SÉRIE PESADA			
MAMA-06XM12-S	06	M12X1.5	X1.5M14
MAMA-08XM14-S	08	M14X1.5	X1.5M16
MAMA-12XM18-S	12	M18X1.5	X1.5M20
MAMA-14XM20-S	14	M20X1.5	X1.5M22
MAMA-16XM22-S	16	M22X1.5	X1.5M24

JMA
CONEXÃO 90° ROSCA NPT


CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
JMA-06X1/8NPT-L	06	M12X1.5	1/8-27
JMA-06X1/4NPT-L	06	M12X1.5	1/4-18
JMA-06X3/8NPT-L	06	M12X1.5	3/8-18
JMA-08X1/8NPT-L	08	M14X1.5	1/8-27
JMA-08X1/4NPT-L	08	M14X1.5	1/4-18
JMA-08X3/8NPT-L	08	M14X1.5	3/8-18
JMA-10X1/4NPT-L	10	M16X1.5	1/4-18
JMA-10X3/8NPT-L	10	M16X1.5	3/8-18
JMA-12X1/4NPT-L	12	M18X1.5	1/4-18
JMA-12X3/8NPT-L	12	M18X1.5	3/8-18
JMA-12X1/2NPT-L	12	M18X1.5	1/2-14
JMA-15X1/2NPT-L	15	M22X1.5	1/2-14
JMA-18X1/2NPT-L	18	M26X1.5	1/2-14
JMA-18X3/4NPT-L	18	M26X1.5	3/4-14
JMA-22X3/4NPT-L	22	M30X2.0	3/4-14
JMA-28X1NPT-L	28	M36X2.0	1-11.5
JMA-35X1.1/4NPT-L	35	M45X2.0	1.1/4-11.5
JMA-35X1.1/2NPT-L	42	M52X2.0	1.1/2-11.5
SÉRIE PESADA			
JMA-08X1/4NPT-S	08	M16X1.5	1/4-18
JMA-10X3/8NPT-S	10	M18X1.5	3/8-18
JMA-12X1/4NPT-S	12	M20X1.5	1/4-18
JMA-12X3/8NPT-S	12	M20X1.5	3/8-18
JMA-12X1/2NPT-S	12	M20X1.5	1/2-14
JMA-14X3/8NPT-S	14	M22X1.5	3/8-18
JMA-14X1/2NPT-S	14	M22X1.5	1/2-14
JMA-16X1/2NPT-S	16	M24X1.5	3/8-18
JMA-20X3/4NPT-S	20	M30X2.0	3/4-14
JMA-25X1NPT-S	25	M36X2.0	1-11.5

TMA

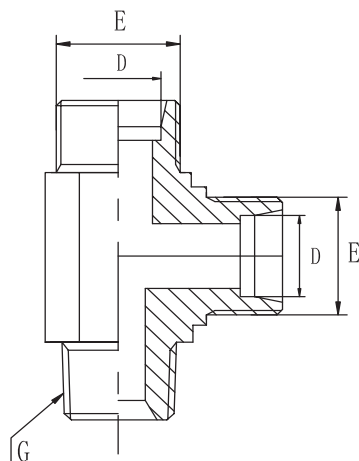
CONEXÃO TEE MACHO CENTRAL ROSCA NPT



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
TMA-08X1/4NPT-L	08	M14X1.5	1/4-18
TMA-10X3/8NPT-L	10	M16X1.5	3/8-18
TMA-12X3/8NPT-L	12	M18X1.5	3/8-18
TMA-15X1/2NPT-L	15	M22X1.5	1/2-14
TMA-18X1/2NPT-L	18	M26X1.5	1/2-14
TMA-22X3/4NPT-L	22	M30X2.0	3/4-14
SÉRIE PESADA			
TMA-08X1/4NPT-S	08	M16X1.5	1/4-18
TMA-10X3/8NPT-S	10	M18X1.5	3/8-18
TMA-12X3/8NPT-S	12	M20X1.5	3/8-18
TMA-14X1/2NPT-S	14	M22X1.5	1/2-14
TMA-16X1/2NPT-S	16	M24X1.5	1/2-14
TMA-20X3/4NPT-S	20	M30X2.0	3/4-14
TMA-25X1NPT-S	25	M36X2.0	1-11.5

TVA | NPT

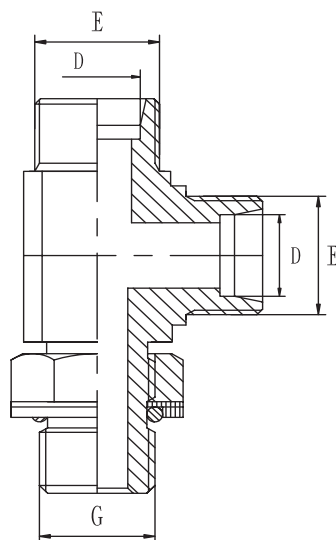
CONEXÃO TEE MACHO LATERAL ROSCA NPT



CÓDIGO	TUBO	ROSCA	
	D	E	G
SÉRIE LEVE			
TVA-08X1/4NPT-L	08	M14X1.5	1/4-18
TVA-10X1/4NPT-L	10	M16X1.5	1/4-18
TVA-12X3/8NPT-L	12	M18X1.5	3/8-18
TVA-15X1/2NPT-L	15	M22X1.5	1/2-14
TVA-18X1/2NPT-L	18	M26X1.5	1/2-14
TVA-22X3/4NPT-L	22	M30X2.0	3/4-14
TVA-28X1NPT-L	28	M36X2.0	1-11.5
SÉRIE PESADA			
TVA-08X1/4NPT-S	08	M16X1.5	1/4-18
TVA-10X3/8NPT-S	10	M16X1.5	3/8-18
TVA-12X3/8NPT-S	12	M20X1.5	3/8-18
TVA-14X1/2NPT-S	14	M22X1.5	1/2-14
TVA-16X1/2NPT-S	16	M24X1.5	1/2-14
TVA-20X3/4NPT-S	20	M30X2.0	3/4-14
TVA-25X1NPT-S	25	M36X2.0	1-11.5

TVA | BSP

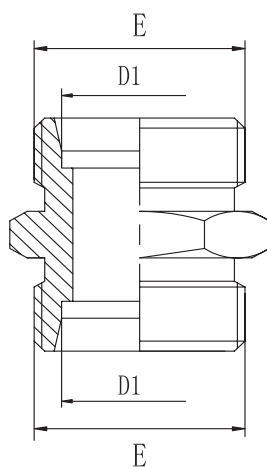
CONEXÃO TEE LATERAL MACHO ROSCA BSP ORIENTÁVEL



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
TVA-12X3/8BSP-L	12	M18X1.5	3/8-19
TVA-15X1/2BSP-L	15	M22X1.5	1/2-14
TVA-18X1/2BSP-L	18	M26X1.5	1/2-14
TVA-22X3/4BSP-L	22	M30X1.5	3/4-14
TVA-28X1BSP-L	28	M36X1.5	1-11
SÉRIE PESADA			
TVA-10X3/8BSP-S	10	M18X1.5	3/8-19
TVA-14X1/2BSP-S	14	M22X1.5	1/2-14
TVA-16X1/2BSP-S	16	M24X1.5	1/2-14
TVA-20X3/4BSP-S	20	M30X2.0	3/4-14
TVA-25X1BSP-S	25	M36X2.0	1-11
TVA-20X3/4NPT-S	20	M30X2.0	3/4-14

UDA

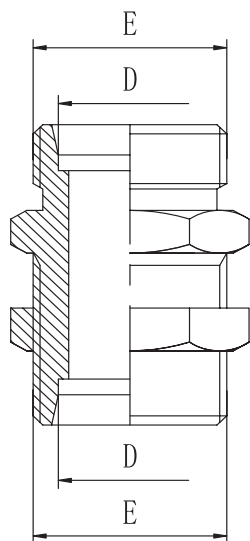
CONEXÃO IGUAL RETA



CÓDIGO	TUBO	ROSCA
	D	E
SÉRIE LEVE		
UDA-06-L	06	M12X1.5
UDA-08-L	08	M14X1.5
UDA-10-L	10	M16X1.5
UDA-12-L	12	M18X1.5
UDA-15-L	15	M22X1.5
UDA-18-L	18	M26X1.5
UDA-22-L	22	M30X2.0
UDA-28-L	28	M36X2.0
UDA-35-L	35	M45X2.0
UDA-42-L	42	M52X2.0
SÉRIE PESADA		
UDA-06-S	06	M14X1.5
UDA-08-S	08	M16X1.5
UDA-10-S	10	M18X1.5
UDA-12-S	12	M20X1.5
UDA-14-S	14	M22X1.5
UDA-16-S	16	M24X1.5
UDA-20-S	20	M30X2.0
UDA-25-S	25	M36X2.0
UDA-30-S	30	M42X2.0
UDA-38-S	38	M52X2.0

UCA

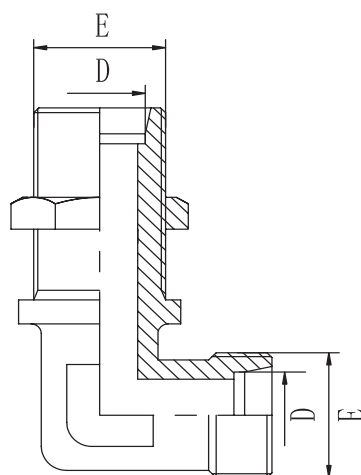
CONEXÃO IGUAL RETA PAINEL



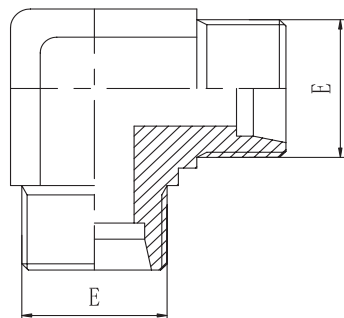
CÓDIGO	TUBO D	ROSCA E
SÉRIE LEVE		
UCA-12-L	12	M18X1.5
UCA-15-L	15	M22X1.5
UCA-18-L	18	M26X1.5
UCA-22-L	22	M30X2.0
UCA-28-L	28	M36X2.0
SÉRIE PESADA		
UCA-06-S	06	M14X1.5
UCA-16-S	16	M24X1.5
UCA-20-S	20	M30X2.0
UCA-25-S	25	M36X2.0
UCA-30-S	30	M42X2.0
UCA-38-S	38	M52X2.0

JCA

CONEXÃO IGUAL 90° PAINEL



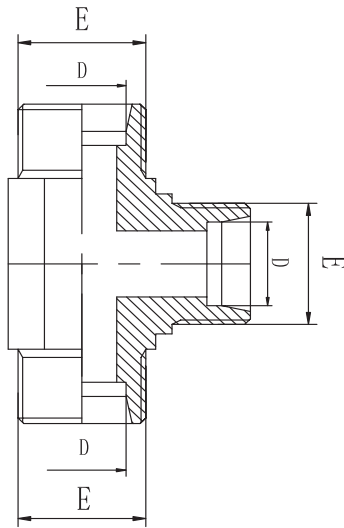
CÓDIGO	TUBO D	ROSCA E
SÉRIE LEVE		
UDA-12-L	12	M18X1.5
UDA-15-L	15	M22X1.5
UDA-18-L	18	M26X1.5
UDA-22-L	22	M30X2.0
UDA-28-L	28	M36X2.0
SÉRIE PESADA		
UDA-06-S	06	M14X1.5
UDA-12-S	12	M20X1.5
UDA-16-S	16	M24X1.5
UDA-20-S	20	M30X2.0
UDA-25-S	25	M36X2.0
UDA-30-S	30	M42X2.0
UDA-38-S	38	M52X2.0

JIA
CONEXÃO IGUAL 90°


CÓDIGO	TUBO D	ROSCA E
SÉRIE LEVE		
JIA-06-L	06	M12X1.5
JIA-08-L	08	M14X1.5
JIA-10-L	10	M16X1.5
JIA-12-L	12	M18X1.5
JIA-15-L	15	M22X1.5
JIA-18-L	18	M26X1.5
JIA-22-L	22	M30X2.0
JIA-28-L	28	M36X2.0
JIA-35-L	35	M45X2.0
JIA-42-L	42	M52X2.0
SÉRIE LEVE		
JIA-06-S	06	M14X1.5
JIA-08-S	08	M16X1.5
JIA-10-S	10	M18X1.5
JIA-12-S	12	M20X1.5
JIA-14-S	14	M22X1.5
JIA-16-S	16	M24X1.5
JIA-20-S	20	M30X2.0
JIA-25-S	25	M36X2.0
JIA-30-S	30	M42X2.0
JIA-38-S	38	M52X2.0

TIA

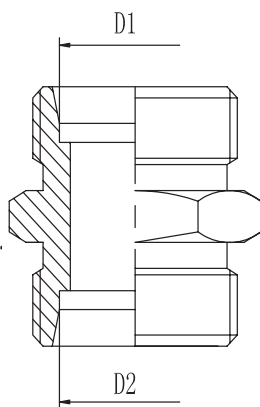
CONEXÃO TEE IGUAL



CÓDIGO	TUBO	
	D	ROSCA E
SÉRIE LEVE		
TIA-06-L	06	M12X1.5
TIA-08-L	08	M14X1.5
TIA-10-L	10	M16X1.5
TIA-12-L	12	M18X1.5
TIA-15-L	15	M22X1.5
TIA-18-L	18	M26X1.5
TIA-22-L	22	M30X2.0
TIA-28-L	28	M36X2.0
SÉRIE LEVE		
TIA-08-S	08	M16X1.5
TIA-10-S	10	M18X1.5
TIA-12-S	12	M20X1.5
TIA-14-S	14	M22X1.5
TIA-16-S	16	M24X1.5
TIA-20-S	20	M30X2.0
TIA-25-S	25	M36X2.0
TIA-30-S	30	M42X2.0

UDRA

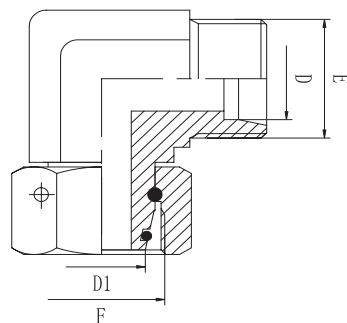
CONEXÃO REDUÇÃO RETA



CÓDIGO	TUBO	
	D1	D2
SÉRIE LEVE		
UDRA-12X10-L	12	10
UDRA-15X12-L	15	12
UDRA-18X10-L	18	10
UDRA-18X12-L	18	12
UDRA-18X15-L	18	15
UDRA-22X12-L	22	12
UDRA-22X15-L	22	15
UDRA-22X18-L	22	18
SÉRIE LEVE		
UDRA-12X08-S	12	08
UDRA-14X10-S	14	10
UDRA-20X10-S	20	10
UDRA-20X12-S	20	12
UDRA-25X16-S	25	16

MJLA

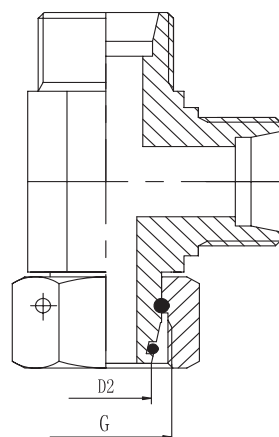
CONEXÃO 90° FÊMEA DKO



CÓDIGO	TUBO D	ROSCA
SÉRIE LEVE		
MJLA-06-L	06	M12X1.5
MJLA-08-L	08	M14X1.5
MJLA-10-L	10	M16X1.5
MJLA-12-L	12	M18X1.5
MJLA-15-L	15	M22X1.5
MJLA-18-L	18	M26X1.5
MJLA-22-L	22	M30X2.0
MJLA-28-L	28	M36X2.0
MJLA-35-L	35	M45X2.0
SÉRIE PESADA		
MJLA-10-S	10	M18X1.5
MJLA-12-S	12	M20X1.5
MJLA-14-S	14	M22X1.5
MJLA-16-S	16	M24X1.5
MJLA-20-S	20	M30X2.0
MJLA-25-S	25	M36X2.0
MJLA-30-S	30	M42X2.0
MJLA-38-S	38	M52X2.0

MTVLA

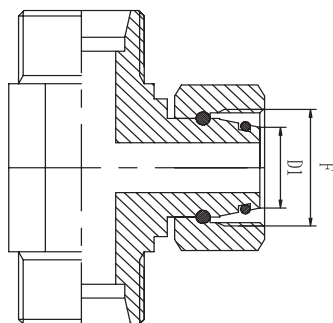
CONEXÃO TEE LATERAL FÊMEA DKO



CÓDIGO	TUBO D	ROSCA
SÉRIE LEVE		
MTVLA-10-L	10	M16X1.5
MTVLA-12-L	12	M18X1.5
MTVLA-15-L	15	M22X1.5
MTVLA-18-L	18	M26X1.5
MTVLA-22-L	22	M30X2.0
MTVLA-28-L	28	M36X2.0
SÉRIE PESADA		
MTVLA-10-S	10	M18X1.5
MTVLA-12-S	12	M20X1.5
MTVLA-14-S	14	M22X1.5
MTVLA-16-S	16	M24X1.5
MTVLA-20-S	20	M30X2.0
MTVLA-25-S	25	M36X2.0
MTVLA-30-S	30	M42X2.0

MTLA

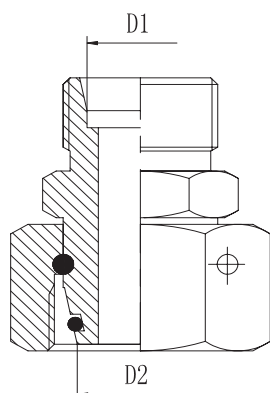
CONEXÃO TEE CENTRAL FÊMEA DKO



CÓDIGO	TUBO D	ROSCA
SÉRIE LEVE		
MTLA-10-L	10	M16X1.5
MTLA-12-L	12	M18X1.5
MTLA-15-L	15	M22X1.5
MTLA-18-L	18	M26X1.5
MTLA-22-L	22	M30X2.0
MTLA-28-L	28	M36X2.0
SÉRIE PESADA		
MTLA-10-S	10	M18X1.5
MTLA-12-S	12	M20X1.5
MTLA-14-S	14	M22X1.5
MTLA-16-S	16	M24X1.5
MTLA-20-S	20	M30X2.0
MTLA-25-S	25	M36X2.0
MTLA-30-S	30	M42X2.0

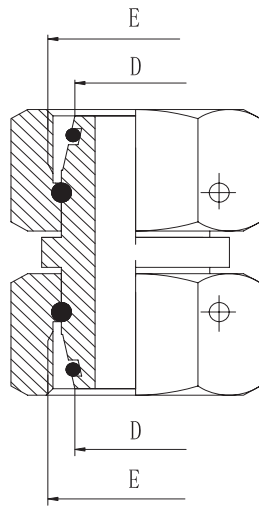
MATA

CONEXÃO REDUÇÃO RETA MACHO X FÊMEA



CÓDIGO	TUBO		ROSCA
	D1	D2	
SÉRIE LEVE			
MATA-08X06-L	08	06	M14X1.5
MATA-15X12-L	15	12	M22X1.5
MATA-18X12-L	18	12	M26X1.5
MATA-28X12-L	28	12	M36X2.0
MATA-28X22-L	28	22	M36X2.0
SÉRIE LEVE			
MATA-20X12-S	20	12	M30X2.0
MATA-20X16-S	20	16	M30X2.0
MATA-30X25-S	30	25	M42X2.0

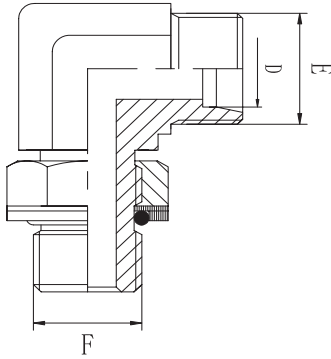
MALA | CONEXÃO EMENDA DKO



CÓDIGO	TUBO D	ROSCA	
SÉRIE LEVE			
MALA-10-L	10	M16X1.5	
MALA-12-L	12	M18X1.5	
MALA-15-L	15	M22X1.5	
MALA-18-L	18	M26X1.5	
MALA-22-L	22	M30X2.0	
MALA-28-L	28	M36X2.0	
SÉRIE PESADA			
MALA-10-S	10	M18X1.5	
MALA-12-S	12	M20X1.5	
MALA-14-S	14	M22X1.5	
MALA-16-S	16	M24X1.5	
MALA-20-S	20	M30X2.0	
MALA-25-S	25	M36X2.0	
MALA-30-S	30	M42X2.0	

JOA | BSP

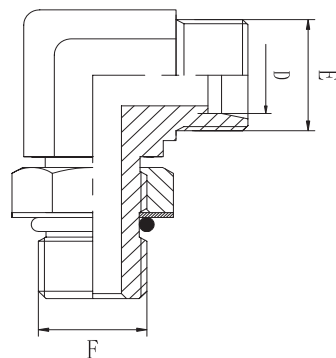
CONEXÃO 90° MACHO ORIENTÁVEL ROSCA BSP



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
JOA-06X1/8BSP-L	06	M12X1.5	1/8-28
JOA-06X1/4BSP-L	06	M12X1.5	1/4-19
JOA-08X1/4BSP-L	08	M14X1.5	1/4-19
JOA-10X1/4BSP-L	10	M16X1.5	1/4-19
JOA-10X3/8BSP-L	10	M16X1.5	3/8-19
JOA-12X3/8BSP-L	18	M12X1.5	3/8-19
JOA-12X1/2BSP-L	18	M12X1.5	1/2-14
JOA-15X1/2BSP-L	15	M22X1.5	1/2-14
JOA-18X1/2BSP-L	18	M26X1.5	1/2-14
JOA-22X3/4BSP-L	22	M30X2.0	3/4-14
JOA-28X1BSP-L	28	M36X2.0	1-11
JOA-30X1.1/4BSP-L	30	M42X2.0	1.1/4-11
JOA-35X1.1/4BSP-L	35	M45X2.0	1.1/4-11
SÉRIE PESADA			
JOA-08X1/4BSP-S	08	M16X1.5	1/4-19
JOA-10X3/8BSP-S	10	M18X1.5	3/8-19
JOA-12X3/8BSP-S	12	M20X1.5	3/8-19
JOA-12X1/2BSP-S	12	M20X1.5	1/2-14
JOA-14X1/2BSP-S	14	M22X1.5	1/2-14
JOA-16X3/8BSP-S	16	M26X1.5	3/8-19
JOA-16X1/2BSP-S	16	M26X1.5	1/2-14
JOA-16X3/4BSP-S	16	M26X1.5	3/4-14
JOA-16X1BSP-S	16	M26X1.5	1/2-14
JOA-20X3/4BSP-S	20	M30X2.0	3/4-14
JOA-25X1BSP-S	25	M36X2.0	1-11

JOA | UNF

CONEXÃO 90° MACHO ORIENTÁVEL ROSCA UNF



CÓDIGO	TUBO	ROSCA	
	D	E	F
SÉRIE LEVE			
JOA-06X7/16UNF-L	06	M12X1.5	7/16-20
JOA-08X7/16UNF-L	08	M14X1.5	7/16-20
JOA-10X9/16UNF-L	10	M16X1.5	9/16-18
JOA-12X3/4UNF-L	12	M18X1.5	3/4-16
JOA-22X1.1/16UNF-L	22	M30X2.0	1.1/16-12
JOA-28X1.5/16UNF-L	28	M36X2.0	1.5/16-12
SÉRIE PESADA			
JOA-10X9/16UNF-S	10	M18X1.5	9/16-18
JOA-12X9/16UNF-S	12	M20X1.5	9/16-18
JOA-12X3/4UNF-S	12	M20X1.5	3/4-16
JOA-14X3/4UNF-S	14	M22X1.5	3/4-16
JOA-16X3/4UNF-S	16	M24X1.5	3/4-16
JOA-16X1.1/16UNF-S	16	M24X1.5	1.1/16-12
JOA-20X1.1/16UNF-S	20	M30X2.0	1.1/16-12
JOA-20X1.5/16UNF-S	20	M30X2.0	1.5/16-12
JOA-25X1.1/16UNF-S	25	M36X2.0	1.1/16-12
JOA-25X1.5/16UNF-S	25	M36X2.0	1.5/16-12



BELFIT HYDRAULIC HOSE

BelFit BELFIT HYDRAULIC

EN 856 4SH 1" WP 3800

1SN-R1AT

SAE 100 R1AT/1SN
ISO1436-1 - EN 853



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Um trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontinuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-04	1/4"	14.1	225	3260	900	13050	100 MM
-06	3/8"	18.1	180	2610	720	10440	130 MM
-08	1/2"	21.5	160	2320	640	9280	180 MM
-12	3/4"	28.6	105	1520	420	6090	240 MM
-16	1"	36.6	87	1260	350	5070	300 MM
-20	1 1/4"	44.8	62	900	250	3620	420 MM
-24	1 1/2"	52.1	50	720	200	2900	500 MM
-32	2"	65.9	40	580	160	2320	630 MM

2SN-R2AT

SAE 100 R2AT/2SN
ISO1436-1 - EN 853



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Dois trançados de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

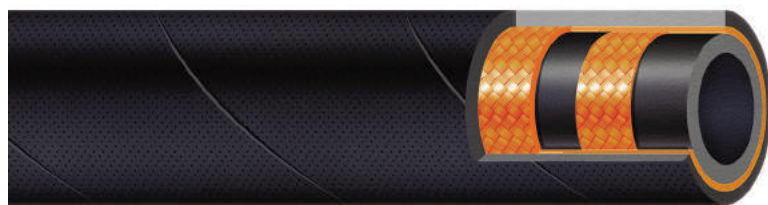
Temperatura: -40°C | +100°C (125°C descontinuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-04	1/4"	15.7	400	5800	160	2320	100 MM
-06	3/8"	19.7	330	4785	132	1914	130 MM
-08	1/2"	23.1	275	3988	110	1595	180 MM
-10	5/8"	26.3	250	3625	100	1450	200 MM
-12	3/4"	21.5	215	3118	86	1247	240 MM
-16	1"	38.9	165	2393	66	957	300 MM
-20	1 1/4"	49.6	125	1813	50	725	420 MM
-24	1 1/2"	56.0	90	1305	36	522	500 MM
-32	2"	68.6	80	1160	32	464	630 MM

R17

SAE 100 R17



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Um trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para sistemas hidráulicos de média pressão na indústria e agricultura.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-04	1/4"	12.0	210	3040	840	12180	50 MM
-06	3/8"	17.0	210	3040	840	12180	65 MM
-08	1/2"	21.1	210	3040	840	12180	90 MM

R12

SAE 100 R12 DIN EN 856 R12



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Quatro trançados de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-06	3/8"	20.0	280	4060	1600	23200	100 MM
-08	1/2"	23.5	280	4060	1350	19570	125 MM
-10	5/8"	27.0	280	4060	1300	18850	140 MM
-12	3/4"	30.4	280	4060	1300	18850	150 MM
-16	1"	38.0	280	4060	1150	16670	225 MM
-20	1.1/4"	45.9	210	3040	1000	14500	250 MM
-24	1.1/2"	53.5	175	2530	1000	14500	500 MM
-32	2"	66,7	175	2530	800	11600	630 MM

4SP

DIN EN 856 4SP



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Quatro trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-04	1/4"	17.8	500	7250	2400	34800	150 MM
-06	3/8"	21.3	460	6670	2100	30450	180 MM
-08	1/2"	24.4	425	6160	1900	27550	230 MM
-10	5/8"	28.1	400	5800	1600	23200	250 MM
-12	3/4"	32.0	380	5510	1600	23200	300 MM
-16	1"	39.0	320	4640	1400	20300	340 MM
-20	1 1/4"	49.9	210	3040	1250	18120	460 MM
-24	1 1/2"	57.0	185	2680	1000	14500	560 MM
-32	2"	70.8	175	2530	1000	14500	660 MM

4SH

DIN EN 856 4SH



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Quatro trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-10	5/8"	28.5	450	6520	1850	26825	250 MM
-12	3/4"	32.0	420	6090	1750	25370	280 MM
-16	1"	38.1	385	5580	1750	25370	340 MM
-20	1 1/4"	45.2	350	5070	1400	20300	460 MM
-24	1 1/2"	53.5	300	4350	1250	18120	560 MM
-32	2"	68.0	250	3620	1000	14500	700 MM

R13

SAE 100 R13
DIN EN 856 R13



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Quatro e seis trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-12	3/4"	32.0	350	5070	1950	28270	240 MM
-16	1"	39.1	350	5070	1650	23920	300 MM
-20	1.1/4"	49.8	350	5070	1600	23200	420 MM
-24	1.1/2"	57.3	350	5070	1600	23200	500 MM
-32	2"	71.8	350	5070	1500	21750	630 MM

R15

SAE 100 R15
DIN EN 856 R15



Características gerais:

Tubo: Composto de borracha sintética preta, resistente a óleo e calor.

Reforço: Quatro e seis trançado de arame de aço de alta resistência.

Cobertura: Composto de borracha sintética preta, resistente a óleo, abrasão e intempérie.

Temperatura: -40°C | +100°C (125°C descontínuo)

Aplicação: Para equipamentos hidráulicos, com alto pico de pressões e condições árdua de operações, compatível com óleos minerais e biológicos.

Diâmetro Interno		Diâm. Ext. (mm)	Pressão de Trabalho		Pressão de Ruptura		Raio Min. Curvatura
Traço	Polegada		BAR	PSI	BAR	PSI	
-12	3/4"	32.0	420	6090	1750	25370	265 MM
-16	1"	38.1	420	6090	1750	25370	267 MM
-20	1.1/4"	49.4	420	6090	1680	24360	267 MM
-24	1.1/2"	57.8	420	6090	1680	24360	315 MM

CONSTRUÇÃO - DIN 3865 DIÂMETRO EXTERNO DO TUBO (mm)								IDENTIFICAÇÃO PRÁTICA DIÂMETRO DA ROSCA			
Série Leve				Série Pesada				Ø Externo Macho mm		Ø Interno Fêmea mm	
Mang	Rosca	Tubo mm	Anel	Mang	Rosca	Tubo mm	Anel	Leve	Pesado	Leve	Pesado
3/16"	M12 X 1,5	6	4X1,5	-	-	-	-	12	-	10,5	-
1/4"	M12 X 1,5	6	4X1,5	-	-	-	-	12	-	10,5	-
1/4"	M14 X 1,5	8	6X1,5	-	-	-	-	14	14	12,5	12,5
1/4"	M16 X 1,5	10	7 5X1,5	1/4"	M16 X	8	6X1,5	16	16	14,5	14,5
1/4"	M18 X 1,5	12	9X1,5	1/4"	M18 X	10	7 5X1,5	18	18	16,5	16,5
5/16"	M16 X 1,5	10	7 5X1,5	5/16"	M20 X	12	9X1,5	16	20	14,5	18,5
5/16"	M18 X 1,5	12	9X1,5	-	-	-	-	18	-	16,5	-
3/8"	M16 X 1,5	10	7 5X1,5	3/8"	M18 X	10	7 5X1,5	16	18	14,5	16,5
3/8"	M18 X 1,5	12	9X1,5	3/8"	M20 X	12	9X1,5	18	20	16,5	18,5
3/8"	M22 X 1,5	15	12X2,0	3/8"	M22 X	14	10 X 2,0	22	22	20,5	20,5
1/2"	M22 X 1,5	15	12X12	1/2"	M24 X	16	12 X 2,0	22	24	20,5	22,5
5/8"	M26 X 1,5	18	15X2,0	5/8"	M30 X	20	16 5X2,4	26	30	24,5	28
5/8"	M30 X 2,0	22	20X2,0	3/4"	M30 X	20	16 5X2,4	30	30	28	28
3/4"	M30 X 2,0	22	20X2,0	3/4"	M36 X	25	203 X2,4	30	36	28	34
1"	M36 X 2,0	28	26X2,0	1"	M36 X	25	203 X2,4	36	36	34	34
1.1/4"	M45 X 2,0	35	32X2,5	1"	M42 X	30	25 3X2,0	45	42	43	40
1.1/2"	M52 X 2,0	42	38X2,5	1.1/4"	M52 X	38	33 3X2,4	52	52	50	50

MANG / CAPA		JIC		NPT		BSP		SP / ORSF = SP	
1/8	02	5/16	02	1/8	02	1/8	02	9/16	04
3/16	03	3/8	03	1/4	04	1/4	04	11/16	06
1/4	04	7/16	04	3/8	06	3/8	06	13/16	08
5/16	5	1/2	05	1/2	08	1/2	08	1"	10
3/8	6	9/16	06	3/4	12	5/8	10	1.3/16	12
1/2	8	3/4	08	1"	16	3/4	12	1.7/16	16
5/8	10	7/8	10	1.1/4	20	1"	16	1.11/16	20
3/4	12	1.1/16	12	1.1/2	24	1.1/4	20	2"	24
7/8	14	1.5/16	16	2"	32	1.1/2	24		
1"	16	1.5/8	20	2.1/2	40	2"	32		
1.1/4	20	1.7/8	24						
1.1/2	24	2.1/2	32						
2"	32	3"	40						
2.1/2	40	3.1/2	48						
3"	48								

FLANGE 61			FLANGE 62			SUPER CAT		
30.16	1.3/16	08	31.75	1.1/4	08	41.27	1.5/8	12
34.92	1.3/8	10	41.27	1.5/8	12	47.62	1.7/8	16
38.10	1.1/2	12	47.62	1.7/8	16	53.97	2.1/8	20
44..45	1.3/4	16	53.97	2.1/8	20	63.50	2.1/2	24
50.80	2	20	63.50	2.1/2	24			
60.32	2.3/8	24	79.38	3.1/8	32			
71,44	2.13/16	32						

BelTools

Ferramentas e Ferragens

PRODUTOS DE ALTA PERFORMANCE FERRAMENTAS FORTES E DE QUALIDADE

Para diversas finalidades, esta é a proposta da Belenus com sua marca Beltools. A sua expertise e relacionamento com seus clientes, a Belenus desenvolveu a mais atraente linha de ferramentas profissionais do mercado.



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