

Adaptadores

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- 2. Especificações técnicas - Adaptadores
 - 2.1. Adaptadores JIC
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Conexões com vedação JIC

As conexões com vedação JIC 37° estão dentro das normas ISO 8434-2 e SAE J514. A vedação JIC é um encaixe mecânico usado tradicionalmente em sistemas óleo-dinâmicos de alta pressão. A vedação no sistema SAE/JIC é feito pelo contato entre duas superfícies de metal, sem nenhuma deformação nos componentes.

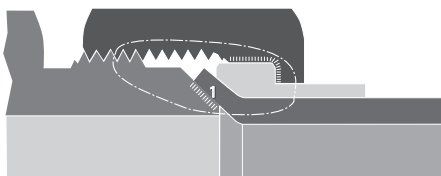
O acoplamento entre o corpo do encaixe e o tubo alargado ou a fêmea (ângulo 74° no cone) é garantido pela porca de aperto e pela luva de pressão no interior. Isto serve para realizar uma montagem e desmontagem rápida e que faz a operação mais fácil para sistemas óleo-dinâmicos complexos.

Características Técnicas

Antes do aperto



Depois do Aperto



Campo de força após aperto do conjunto

Superfícies da pressão após o aperto do conjunto

Ponto de vedação 1

O encaixe SAE/JIC 37° realiza uma vedação perfeita do sistema independentemente do líquido usado, contanto que fluidos corrosivos não sejam usados e toda as prescrições específicas para este tipo de vedação sejam seguidas.

Estes encaixes na vedação JIC 37° são fabricados em um sistema universal definido como série única para ser usado em tubos em polegada e tubos em milímetro, precisando somente usar a porca correta para cada tipo de tubo.

As vibrações não alteram a funcionalidade deste tipo de vedação e mantêm consequentemente as melhores características da garantia,

da segurança e da confiabilidade absoluta. Por estas razões as conexões SAE/JIC podem ser usadas em duras condições de funcionamento.

Sob a força mecânica dada pelo aperto da porca contra a sede JIC 37° a parte alargada (fêmea) e a luva de pressão (anilha) hospedada na peça interna da porca assegura o alinhamento correto do sistema que diminui as vibrações e que evita todo possível problema ou a danificação do tubo durante o funcionamento do conjunto.

Identificando Adaptadores

Estrutura para Adaptadores

A estrutura é formada por dez dígitos onde podemos identificar o tipo da peça, as roscas, o material de fabricação e a marca.

Para facilitar o entendimento dessa codificação ao longo desse catálogo mostraremos somente o código raiz de cada peça, ou seja, na codificação que apresentaremos não estaremos identificando a marca pois todas tem a mesma estrutura para a formação do código.

Código Raiz

1º	2º	3º	4º		
Tipo da Peça					
5º	6º	7º	8º	9º	10º
Rosca		Rosca		Material	Marca

Dígitos 1º, 2º, 3º e 4º

A combinação dos quatro primeiros dígitos determinará a forma geométrica ou ângulo de defasagem do adaptador.

Código	Descrição
XX13	Adaptador Reto
XX14	Adaptador Reto Painei
XX15	Adaptador Reto Redução
XX16	Adaptador Reto Longo
XX17	Adaptador Tee
XX18	Adaptador Tee Lateral
XX19	Adaptador Tee Central
XX20	Adaptador Tee Lateral Painei
XX21	Adaptador Tee Central Painei
XX22	Adaptador Tee Lateral rientável
XX23	Adaptador Tee Central Orientável
XX24	Adaptador Tee Lateral Redução
XX25	Adaptador Tee Central Redução
XX26	Adaptador 45°
XX27	Adaptador 45° Orientável
XX28	Adaptador Cruzeta
XX29	Adaptador 90°
XX30	Adaptador 90° Orientável
XX31	Adaptador 90° Painei
XX32	Adaptador 90° Longo
XX47	Adaptador 45° Painei
XX55	Adaptador Y

Dígitos 5º, 6º, 7º e 8º

A combinação do quinto e do sexto mais a combinação do sétimo e oitavo dígito irá formar as extremidades da conexão conforme abaixo:

- 01 - Ponta Lisa - Tubo Métrico DIN 2353
- 02 - Banjo BSPP
- 03 - Banjo Métrico DIN 7642
- 04 - Salva-Vidas
- 05 - Espigão Duplo
- 06 - Adaptador de Solda - Ponta ASA DKO
- 07 - União Simples de Solda / União Soldável
- 10 - Macho BSP Paralela 60° BS5200
- 11 - Macho BSP Paralela Face Plana - Forma B (JC)
- 12 - Macho BSP Paralela Face Plana - Forma E (ED)
- 13 - Macho BSP Paralela Face Plana - Forma H (O'ring)
- 14 - Macho BSP Paralela Face Plana - Forma G (O'ring Orientável)
- 16 - Macho Métrico Cone 24° - Série Super-leve
- 17 - Macho Métrico Cone 24° - Série Leve
- 18 - Macho Métrico Cone 24° - Série Pesada
- 19 - Macho Métrico Face Plana - Forma B (JC)
- 20 - Macho Métrico Face Plana - Forma E (ED)
- 21 - Macho Métrico Face Plana - Forma H (O'ring)
- 22 - Macho Métrico Face Plana - Forma G (O'ring Orientável)
- 23 - Macho Métrico Frances Poclair - Tubo Milímetro
- 24 - Macho Métrico Frances Poclair - Tubo Schedule
- 25 - Macho ORFS SAE J1453
- 26 - Macho JIC 37° SAE J516/J514
- 27 - Macho NPTF SAE J516
- 28 - Macho Fixo SAE com O'ring SAE J516/514
- 29 - Macho Giratório NPTF SAE J516
- 30 - Macho SAE O'ring Giratório SAE J516/514
- 31 - Macho Métrico Cone 60º DIN 20078/3863
- 32 - Macho NPTF SAE J516 Waterblast
- 33 - Macho SAE UNF Orientável
- 34 - Macho Fixo BSPT Cônico
- 35 - Macho Fixo Métrico Cônico
- 36 - Macho Fixo Métrico Komatsu
- 37 - Macho Métrico para Mang. Capilar
- 40 - Fêmea Giratória BSPP Paralela 60° BS5200
- 41 - Fêmea Giratória BSPP Paralela Face Plana
- 42 - Fêmea Giratória JIS BSPP Cone 60° (Nissan)
- 43 - Fêmea Giratória Métrica DKO Cone 24° DIN 20066/3865 - Série Leve
- 44 - Fêmea Giratória Métrica DKO Cone 24° DIN 20066/3865 - Série Pesada
- 45 - Fêmea Giratória Métrica Francesa - Tubo Milímetro
- 46 - Fêmea Giratória Métrica Francesa - Tubo Schedule
- 47 - Fêmea Giratória Métrica Cone 60º DIN 20078/3863
- 48 - Fêmea Giratória Métrica Sede Universal DIN 20078/3868
- 49 - Fêmea Giratória ORFS
- 50 - Fêmea Giratória JIC 37° SAE J516/J514
- 51 - Fêmea Giratória SAE 45° SAE J516/512

- 52 - Fêmea Giratória JIC 37° SAE J516/514 Sextavado Extra
- 53 - Fêmea Giratória JIS B8363 - BSP Toyota
- 54 - Fêmea Giratória JIS B8363 - Métrica Komatsu
- 55 - Fêmea Giratória 30° NPSM
- 56 - Fêmea Giratória Lava-Jato Karcher
- 57 - Fêmea Giratória Piloto longo
- 58 - Fêmea Fixa NPTF
- 59 - Fêmea Giratória ORFS Métrica
- 60 - Flange Komatsu
- 61 - Flange SAE 3000PSI Cód. 61 SAE J516/J518
- 62 - Flange SAE 6000PSI Cód. 62 SAE J516/J518
- 63 - Flange Supercat
- 64 - Flange Quadrado
- 70 - Fêmea Giratória Métrica DKO Cone 24° Waterblast - Pesada
- 71 - Fêmea Fixa para Engraxadeira
- 72 - Fêmea Fixa BSPT Cônica
- 73 - Fêmea Fixa BSP
- 74 - Fêmea Fixa SAE
- 75 - Fêmea Fixa BSP para Manômetro
- 76 - Fêmea Fixa Métrica
- 77 - Fêmea Fixa Métrica para Manômetro
- 78 - Fêmea Fixa JIC
- 79 - Fêmea Giratória Métrica DKO Cone 24° DIN 20066/3865-Série Super-Leve
- 90 - Fêmea Lavação Copinho - 7169-014
- 91 - Macho Lavação O'RING - 7169-015
- 92 - Fêmea Wap Grande
- 93 - Macho Wap

9º dígito

Determinará o tipo do material que será utilizado para a fabricação da conexão ou adaptador conforme abaixo:

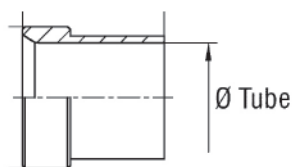
- 1 - Aço Carbono Zincado Branco
- 2 - Aço Carbono Zincado Amarelo
- 3 - Aço Carbono Fosfatizado
- 4 - Aço Inox 304
- 5 - Aço Inox 316
- 6 - Latão

10º dígito

Determinará a origem da conexão, se ele for uma conexão fabricada por nós não haverá esse dígito no caso de conexões sem porca e anilha conforme segue abaixo:

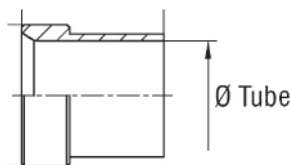
- 0 - Diversos
- 1 - Cast
- 2 - Manuli
- 3 - Vickers

Anilhas JIC em mm para Tubo em mm



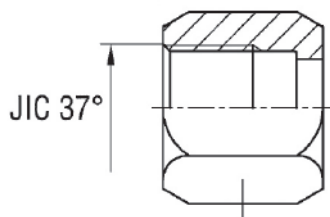
Série	bar	Ref. Comercial	Tubo mm	Código Interno
UNIVERSAL	450	AA-06MM-JIC	6	22010021-0006
		AA-08MM-JIC	8	22010021-0008
	350	AA-10MM-JIC	10	22010021-0010
		AA-12MM-JIC	12	22010021-0012
		AA-16MM-JIC	16	22010021-0016
		AA-20MM-JIC	20	22010021-0020
	290	AA-25MM-JIC	25	22010021-0025
	240	AA-32MM-JIC	32	22010021-0032
		AA-38MM-JIC	38	22010021-0038
	350	AA-14MM-JIC	14	22010021-0014
		AA-15MM-JIC	15	22010021-0015
		AA-18MM-JIC	18	22010021-0018
		AA-30MM-JIC	30	22010021-0030

Anilhas JIC em polegada para Tubo em polegada



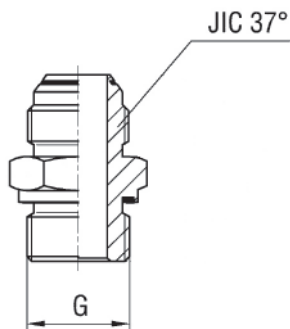
Série	bar	Ref. Comercial	Tubo Pol.	Código Interno
UNIVERSAL	450	AA-04-JIC	1/4"	22010023-0004
		AA-05-JIC	5/16"	22010023-0005
	350	AA-06-JIC	3/8"	22010023-0006
		AA-08-JIC	1/2"	22010023-0008
		AA-10-JIC	5/8"	22010023-0010
		AA-12-JIC	3/4"	22010023-0012
	290	AA-16-JIC	1"	22010023-0016
	240	AA-20-JIC	1.1/4"	22010023-0020
		AA-24-JIC	1.1/2"	22010023-0024

Porca JIC 37°



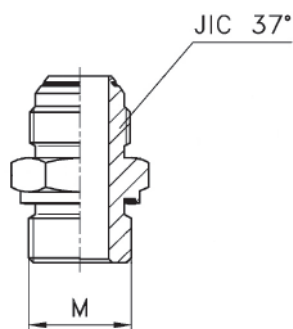
Série	bar	Ref. Comercial	Tubo mm	JIC 37°	Código Interno
UNIVERSAL	450	PA-04JIC	6	7/16"-20	22020017-0004
		PA-05JIC	8	1/2"-20	22020017-0005
	350	PA-06JIC	10	9/16"-18	22020017-0006
		PA-08JIC	12	3/4"-16	22020017-0008
		PA-10JIC	16	7/8"-14	22020017-0010
		PA-12JIC	20	1.1/6"-12	22020017-0012
	290	PA-16JIC	25	1.5/16"-12	22020017-0016
	240	PA-20JIC	30	1.5/8"-12	22020017-0020
		PA-24JIC	38	1.7/8"-12	22020017-0024

Adaptador Macho BSPP Vedação com Anel ED



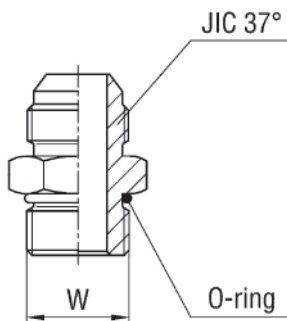
Série	bar	Ref. Comercial	G	JIC 37°	Código Interno
UNIVERSAL	350	IMBMJ-02-03	1/8"-28	3/8"-24	XX1312261X-02-03
		IMBMJ-02-04	1/8"-28	7/16"-20	XX1312261X-02-04
		IMBMJ-02-05	1/8"-28	1/2"-20	XX1312261X-02-05
		IMBMJ-02-06	1/8"-28	9/16"-18	XX1312261X-02-06
		IMBMJ-04-06	1/4"-19	9/16"-18	XX1312261X-04-06
		IMBMJ-06-08	3/8"-19	3/4"-16	XX1312261X-06-08
		IMBMJ-08-10	1/2"-14	7/8"-14	XX1312261X-08-10
		IMBMJ-10-08	5/8"-14	3/4"-16	XX1312261X-10-08
		IMBMJ-12-10	3/4"-14	7/8"-14	XX1312261X-12-10
		IMBMJ-12-12	3/4"-14	1.1/16"-12	XX1312261X-12-12
		IMBMJ-12-14	3/4"-14	1.3/16"-12	XX1312261X-12-14
	290	IMBMJ-16-16	1"-11.5	1.5/16"-12	XX1312261X-16-16
	240	IMBMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1312261X-20-20
		IMBMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1312261X-24-24
		IMBMJ-32-32	2"-11.5	2.1/2"-12	XX1312261X-32-32
	350	IMBMJ-04-04	1/4"-19	7/16"-20	XX1312261X-04-04
		IMBMJ-06-04	3/8"-19	7/16"-20	XX1312261X-06-04
		IMBMJ-08-04	1/2"-14	7/16"-20	XX1312261X-08-04
		IMBMJ-04-05	1/4"-19	1/2"-20	XX1312261X-04-05
		IMBMJ-06-05	3/8"-19	1/2"-20	XX1312261X-06-05
		IMBMJ-02-06	1/8"-28	9/16"-18	XX1312261X-02-06
		IMBMJ-06-06	3/8"-19	9/16"-18	XX1312261X-06-06
		IMBMJ-08-06	1/2"-14	9/16"-18	XX1312261X-08-06
		IMBMJ-04-08	1/4"-19	3/4"-16	XX1312261X-04-08
		IMBMJ-04-10	1/4"-19	7/8"-14	XX1312261X-04-10
		IMBMJ-08-08	1/2"-14	3/4"-16	XX1312261X-08-08
		IMBMJ-12-08	3/4"-14	3/4"-16	XX1312261X-12-08
		IMBMJ-06-10	3/8"-19	7/8"-14	XX1312261X-06-10
		IMBMJ-06-12	3/8"-19	1.1/16"-12	XX1312261X-06-12
		IMBMJ-08-12	1/2"-14	1.1/16"-12	XX1312261X-08-12
	290	IMBMJ-08-16	1/2"-14	1.5/16"-12	XX1312261X-08-16
		IMBMJ-16-08	1"-11.5	3/4"-16	XX1312261X-16-08
		IMBMJ-16-10	1"-11.5	7/8"-14	XX1312261X-16-10
		IMBMJ-16-12	1"-11.5	1.1/16"-12	XX1312261X-16-12
		IMBMJ-12-16	3/4"-14	1.5/16"-12	XX1312261X-12-16
	240	IMBMJ-12-20	3/4"-14	1.5/8"-12	XX1312261X-12-20
		IMBMJ-20-12	1.1/4"-11.5	1.1/16"-12	XX1312261X-20-12
		IMBMJ-20-16	1.1/4"-11.5	1.5/16"-12	XX1312261X-20-16
		IMBMJ-16-20	1"-11.5	1.5/8"-12	XX1312261X-16-20
		IMBMJ-16-24	1"-11.5	1.7/8"-12	XX1312261X-16-24
		IMBMJ-24-20	1.1/2"-11.5	1.5/8"-12	XX1312261X-24-20
		IMBMJ-24-16	1.1/2"-11.5	1.5/16"-12	XX1312261X-24-16
		IMBMJ-20-24	1.1/4"-11.5	1.7/8"-12	XX1312261X-20-24

Adaptador Macho Métrico Vedação com Anel ED



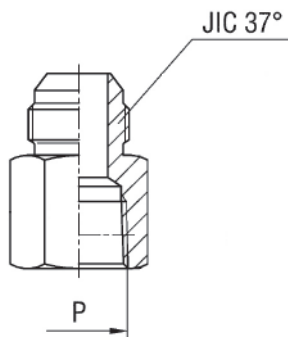
Série	Bar	Ref. Comercial	M	JIC 37°	Código Interno
UNIVERSAL	350	IMMMJ-10-04	10x1	7/16"-20	XX1320261X-10-04
		IMMMJ-12-05	12x1.5	1/2"-20	XX1320261X-12-05
		IMMMJ-12-06	12x1.5	9/16"-18	XX1320261X-12-06
		IMMMJ-14-06	14x1.5	9/16"-18	XX1320261X-14-06
		IMMMJ-16-08	16x1.5	3/4"-16	XX1320261X-16-08
		IMMMJ-22-10	22x1.5	7/8"-14	XX1320261X-22-10
		IMMMJ-24-10	24x1.5	7/8"-14	XX1320261X-24-10
	290	IMMMJ-27-12	27x2	1.1/2"-12	XX1320261X-27-12
	240	IMMMJ-33-16	33x2	1.5/16"-12	XX1320261X-33-16
		IMMMJ-42-20	42x2	1.5/8"-12	XX1320261X-42-20
		IMMMJ-48-24	48x2	1.7/8"-12	XX1320261X-48-24
	350	IMMMJ-12-04	12x1.5	7/16"-20	XX1320261X-12-04
		IMMMJ-10-05	10x1	1/2"-20	XX1320261X-10-05
		IMMMJ-14-05	14x1.5	1/2"-20	XX1320261X-14-05
		IMMMJ-16-06	16x1.5	9/16"-18	XX1320261X-16-06
		IMMMJ-14-08	14x1.5	3/4"-16	XX1320261X-14-08
		IMMMJ-18-06	18x1.5	9/16"-18	XX1320261X-18-06
		IMMMJ-18-08	18x1.5	3/4"-16	XX1320261X-18-08
		IMMMJ-18-10	18x1.5	7/8"-14	XX1320261X-18-10
		IMMMJ-20-10	20x1.5	7/8"-14	XX1320261X-20-10
		IMMMJ-22-08	22x1.5	3/4"-16	XX1320261X-22-08
		IMMMJ-22-12	22x1.5	1.1/16"-12	XX1320261X-22-12
		IMMMJ-26-12	26x1.5	1.1/16"-12	XX1320261X-26-12
	290	IMMMJ-27-16	27x2	1.5/16"-12	XX1320261X-27-16

Adaptador Macho UNF com Anel O'ring



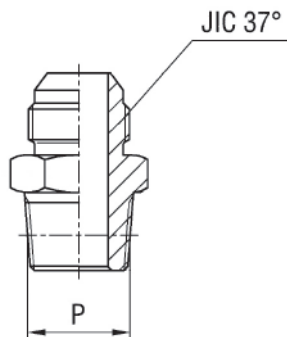
Série	Bar	Ref. Comercial	W	JIC 37°	Código Interno
UNIVERSAL	400	IMSMJ-03-04	3/8"-24	7/16"-20	XX1328261X-03-04
		IMSMJ-04-04	7/16"-20	7/16"-20	XX1328261X-04-04
		IMSMJ-05-05	1/2"-20	1/2"-20	XX1328261X-05-05
	350	IMSMJ-03-06	3/8"-24	9/16"-18	XX1328261X-03-06
		IMSMJ-04-08	7/16"-20	3/4"-16	XX1328261X-04-08
		IMSMJ-06-06	9/16"-18	9/16"-18	XX1328261X-06-06
		IMSMJ-06-10	9/16"-18	7/8"-14	XX1328261X-06-10
		IMSMJ-08-08	3/4"-16	3/4"-16	XX1328261X-08-08
		IMSMJ-10-10	7/8"-14	7/8"-14	XX1328261X-10-10
		IMSMJ-12-12	1.1/16"-12	1.1/16"-12	XX1328261X-12-12
	290	IMSMJ-16-16	1.5/16"-12	1.5/16"-12	XX1328261X-16-16
	240	IMSMJ-20-20	1.5/8"-12	1.5/8"-12	XX1328261X-20-20
		IMSMJ-24-24	1.7/8"-12	1.7/8"-12	XX1328261X-24-24
	350	IMSMJ-05-04	1/2"-20	7/16"-20	XX1328261X-05-04
		IMSMJ-06-04	9/16"-18	7/16"-20	XX1328261X-06-04
		IMSMJ-08-04	3/4"-16	7/16"-20	XX1328261X-08-04
		IMSMJ-06-05	9/16"-18	1/2"-20	XX1328261X-06-05
		IMSMJ-04-06	7/16"-20	9/16"-18	XX1328261X-04-06
		IMSMJ-05-06	1/2"-20	9/16"-18	XX1328261X-05-06
		IMSMJ-08-06	3/4"-16	9/16"-18	XX1328261X-08-06
		IMSMJ-10-06	7/8"-14	9/16"-18	XX1328261X-10-06
		IMSMJ-06-08	9/16"-18	3/4"-16	XX1328261X-06-08
		IMSMJ-10-08	7/8"-14	3/4"-16	XX1328261X-10-08
		IMSMJ-12-06	1.1/16"-12	9/16"-18	XX1328261X-12-06
		IMSMJ-12-08	1.1/16"-12	3/4"-16	XX1328261X-12-08
		IMSMJ-08-10	3/4"-16	7/8"-14	XX1328261X-08-10
		IMSMJ-12-10	1.1/16"-12	7/8"-14	XX1328261X-12-10
		IMSMJ-14-10	1.3/16"-12	7/8"-14	XX1328261X-14-10
		IMSMJ-08-12	3/4"-16	1.1/16"-12	XX1328261X-08-12
		IMSMJ-10-12	7/8"-14	1.1/16"-12	XX1328261X-10-12
	290	IMSMJ-14-12	1.3/16"-12	1.1/16"-12	XX1328261X-14-12
		IMSMJ-14-16	1.3/16"-12	1.5/16"-12	XX1328261X-14-16
		IMSMJ-16-12	1.5/16"-12	1.1/16"-12	XX1328261X-16-12
		IMSMJ-10-16	7/8"-14	1.5/16"-12	XX1328261X-10-16
		IMSMJ-16-10	1.5/16"-12	7/8"-14	XX1328261X-16-10
	240	IMSMJ-12-16	1.1/16"-12	1.5/16"-12	XX1328261X-12-16
		IMSMJ-20-12	1.5/8"-12	1.1/16"-12	XX1328261X-20-12
		IMSMJ-20-16	1.5/8"-12	1.5/16"-12	XX1328261X-20-16
		IMSMJ-16-20	1.5/16"-12	1.5/8"-12	XX1328261X-16-20
		IMSMJ-20-24	1.5/8"-12	1.7/8"-12	XX1328261X-20-24
		IMSMJ-24-16	1.7/8"-12	1.5/16"-12	XX1328261X-24-16
		IMSMJ-24-20	1.7/8"-12	1.5/8"-12	XX1328261X-24-20
		IMSMJ-32-32	2.1/2"-12	2.1/2"-12	XX1328261X-32-32

Adaptador Fêmea NPTF



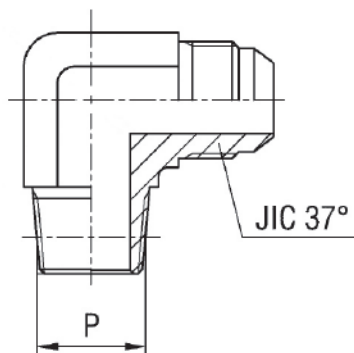
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	IFNMJ-02-04	1/8"-27	7/16"-20	XX1358261X-02-04
		IFNMJ-02-05	1/8"-27	1/2"-20	XX1358261X-02-05
		IFNMJ-02-06	1/8"-27	9/16"-18	XX1358261X-02-06
		IFNMJ-04-06	1/4"-18	9/16"-18	XX1358261X-04-06
		IFNMJ-06-08	3/8"-18	3/4"-16	XX1358261X-06-08
		IFNMJ-08-10	1/2"-14	7/8"-14	XX1358261X-08-10
		IFNMJ-12-08	3/4"-14	3/4"-16	XX1358261X-12-08
		IFNMJ-12-10	3/4"-14	7/8"-14	XX1358261X-12-10
		IFNMJ-12-12	3/4"-14	1.1/16"-12	XX1358261X-12-12
	290	IFNMJ-16-16	1"-11.5	1.5/16"-12	XX1358261X-16-16
	240	IFNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1358261X-20-20
		IFNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1358261X-24-24
		IFNMJ-32-32	2"-11.5	2.1/2"-12	XX1358261X-32-32
	350	IFNMJ-04-04	1/4"-18	7/16"-20	XX1358261X-04-04
		IFNMJ-04-05	1/4"-18	1/2"-20	XX1358261X-04-05
		IFNMJ-06-06	3/8"-18	9/16"-18	XX1358261X-06-06
		IFNMJ-04-08	1/4"-18	3/4"-16	XX1358261X-04-08
		IFNMJ-04-10	1/4"-18	7/8"-14	XX1358261X-04-10
		IFNMJ-08-06	1/2"-14	9/16"-18	XX1358261X-08-06
		IFNMJ-08-08	1/2"-14	3/4"-16	XX1358261X-08-08
		IFNMJ-08-12	1/2"-14	1.1/16"-12	XX1358261X-08-12

Adaptador Reto Macho NPTF



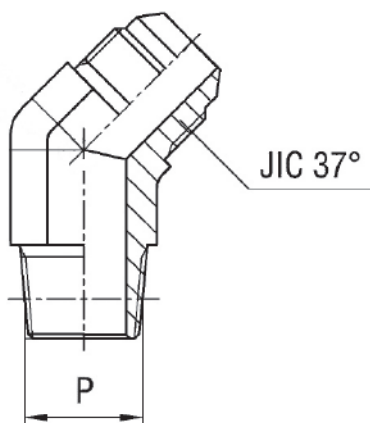
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	IMNMJ-02-02	1/8"-27	5/16"-24	XX1327261X-02-02
		IMNMJ-02-03	1/8"-27	3/8"-24	XX1327261X-02-03
		IMNMJ-02-04	1/8"-27	7/16"-20	XX1327261X-02-04
		IMNMJ-02-05	1/8"-27	1/2"-20	XX1327261X-02-05
		IMNMJ-04-06	1/4"-18	9/16"-18	XX1327261X-04-06
		IMNMJ-06-08	3/8"-18	3/4"-16	XX1327261X-06-08
		IMNMJ-08-10	1/2"-14	7/8"-14	XX1327261X-08-10
		IMNMJ-12-04	3/4"-14	7/16"-20	XX1327261X-12-04
	290	IMNMJ-12-12	3/4"-14	1.1/16"-12	XX1327261X-12-12
		IMNMJ-16-10	1"-11.5	7/8"-14	XX1327261X-16-10
		IMNMJ-16-16	1"-11.5	1.5/16"-12	XX1327261X-16-16
	240	IMNMJ-20-12	1.1/4"-11.5	1.1/16"-12	XX1327261X-20-12
		IMNMJ-20-16	1.1/4"-11.5	1.5/16"-12	XX1327261X-20-16
		IMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1327261X-20-20
		IMNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1327261X-24-24
		IMNMJ-32-32	2"-11.5	2.1/2"-12	XX1327261X-32-32
		IMNMJ-04-04	1/4"-18	7/16"-20	XX1327261X-04-04
	350	IMNMJ-06-04	3/8"-18	7/16"-20	XX1327261X-06-04
		IMNMJ-08-04	1/2"-14	7/16"-20	XX1327261X-08-04
		IMNMJ-04-05	1/4"-18	1/2"-20	XX1327261X-04-05
		IMNMJ-02-06	1/8"-27	9/16"-18	XX1327261X-02-06
		IMNMJ-06-05	3/8"-18	1/2"-20	XX1327261X-06-05
		IMNMJ-06-06	3/8"-18	9/16"-18	XX1327261X-06-06
		IMNMJ-08-06	1/2"-14	9/16"-18	XX1327261X-08-06
		IMNMJ-12-06	3/4"-14	9/16"-18	XX1327261X-12-06
		IMNMJ-04-08	1/4"-18	3/4"-16	XX1327261X-04-08
		IMNMJ-08-08	1/2"-14	3/4"-16	XX1327261X-08-08
		IMNMJ-12-08	3/4"-14	3/4"-16	XX1327261X-12-08
		IMNMJ-06-10	3/8"-18	7/8"-14	XX1327261X-06-10
		IMNMJ-12-10	3/4"-14	7/8"-14	XX1327261X-12-10
		IMNMJ-08-12	1/2"-14	1.1/16"-12	XX1327261X-08-12
	290	IMNMJ-08-16	1/2"-14	1.5/16"-12	XX1327261X-08-16
		IMNMJ-16-08	1"-11.5	3/4"-16	XX1327261X-16-08
		IMNMJ-16-12	1"-11.5	1.1/16"-12	XX1327261X-16-12
		IMNMJ-12-16	3/4"-14	1.5/16"-12	XX1327261X-12-16
		IMNMJ-16-20	1"-11.5	1.5/8"-12	XX1327261X-16-20
	240	IMNMJ-16-24	1"-11.5	1.7/8"-12	XX1327261X-16-24
		IMNMJ-20-24	1.1/4"-11.5	1.7/8"-12	XX1327261X-20-24
		IMNMJ-24-12	1.1/2"-11.5	1.1/16"-12	XX1327261X-24-12
		IMNMJ-24-16	1.1/2"-11.5	1.5/16"-12	XX1327261X-24-16
		IMNMJ-24-20	1.1/2"-11.5	1.5/8"-12	XX1327261X-24-20
		IMNMJ-24-32	1.1/2"-11.5	2.1/2"-12	XX1327261X-24-32
		IMNMJ-32-16	2"-11.5	1.5/16"-12	XX1327261X-32-16
		IMNMJ-32-20	2"-11.5	1.5/8"-12	XX1327261X-32-20
		IMNMJ-32-24	2"-11.5	1.7/8"-12	XX1327261X-32-24

Adaptador 90° Macho NPTF



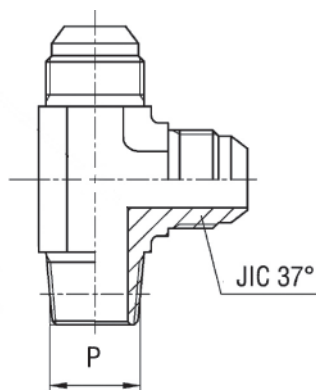
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	LMNMJ-02-03	1/8"-27	3/8"-24	XX2927261X-02-03
		LMNMJ-02-04	1/8"-27	7/16"-20	XX2927261X-02-04
		LMNMJ-02-05	1/8"-27	1/2"-20	XX2927261X-02-05
		LMNMJ-02-06	1/8"-27	9/16"-18	XX2927261X-02-06
		LMNMJ-04-06	1/4"-18	9/16"-18	XX2927261X-04-06
		LMNMJ-06-08	3/8"-18	3/4"-16	XX2927261X-06-08
		LMNMJ-08-10	1/2"-14	7/8"-14	XX2927261X-08-10
	290	LMNMJ-12-12	3/4"-14	1.1/12"-12	XX2927261X-12-12
		LMNMJ-16-16	1"-11.5	1.5/16"-12	XX2927261X-16-16
		LMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX2927261X-20-20
	240	LMNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX2927261X-24-24
		LMNMJ-32-24	2"-11.5	1.7/8"-12	XX2927261X-32-24
	350	LMNMJ-04-04	1/4"-18	7/16"-20	XX2927261X-04-04
		LMNMJ-06-04	3/8"-18	7/16"-20	XX2927261X-06-04
		LMNMJ-08-04	1/2"-14	7/16"-20	XX2927261X-08-04
		LMNMJ-06-05	3/8"-18	1/2"-20	XX2927261X-06-05
		LMNMJ-04-05	1/4"-18	1/2"-20	XX2927261X-04-05
		LMNMJ-02-06	1/8"-27	9/16"-18	XX2927261X-02-06
		LMNMJ-06-06	3/8"-18	9/16"-18	XX2927261X-06-06
		LMNMJ-08-06	1/2"-14	9/16"-18	XX2927261X-08-06
		LMNMJ-04-08	1/4"-18	3/4"-16	XX2927261X-04-08
		LMNMJ-08-08	1/2"-14	3/4"-16	XX2927261X-08-08
		LMNMJ-12-08	3/4"-14	3/4"-16	XX2927261X-12-08
		LMNMJ-06-10	3/8"-18	7/8"-14	XX2927261X-06-10
		LMNMJ-12-10	3/4"-14	7/8"-14	XX2927261X-12-10
		LMNMJ-08-12	1/2"-14	1.1/16"-12	XX2927261X-08-12
	290	LMNMJ-16-12	1"-11.5	1.1/16"-12	XX2927261X-16-12
		LMNMJ-12-16	3/4"-14	1.5/16"-12	XX2927261X-12-16
	240	LMNMJ-20-16	1.1/4"-11.5	1.5/16"-12	XX2927261X-20-16
		LMNMJ-16-20	1"-11.5	1.5/8"-12	XX2927261X-16-20
		LMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX2927261X-20-20
		LMNMJ-24-20	1.1/2"-11.5	1.5/8"-12	XX2927261X-24-20
		LMNMJ-20-24	1.1/4"-11.5	1.7/8"-12	XX2927261X-20-24
		LMNMJ-32-24	2"-11.5	1.7/8"-12	XX2927261X-32-24

Adaptador 45° Macho NPTF



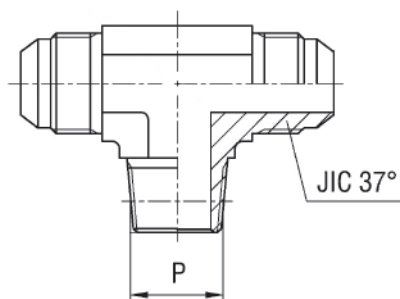
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	VMNMJ-02-04	1/8"-27	7/16"-20	XX2627261X-02-04
		VMNMJ-02-05	1/8"-27	1/2"-20	XX2627261X-02-05
		VMNMJ-04-06	1/4"-18	9/16"-18	XX2627261X-04-06
		VMNMJ-06-08	3/8"-18	3/4"-16	XX2627261X-06-08
		VMNMJ-08-10	1/2"-14	7/8"-14	XX2627261X-08-10
		VMNMJ-12-12	3/4"-14	1.1/16"-12	XX2627261X-12-12
	290	VMNMJ-16-16	1"-11.1/2	1.5/16"-12	XX2627261X-16-16
	240	VMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX2627261X-20-20
		VMNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX2627261X-24-24
		VMNMJ-32-32	2"-11.5	2.1/2"-12	XX2627261X-32-32
	350	VMNMJ-04-04	1/4"-18	7/16"-20	XX2627261X-04-04
		VMNMJ-04-05	1/4"-18	1/2"-20	XX2627261X-04-05
		VMNMJ-02-06	1/8"-27	9/16"-18	XX2627261X-02-06
		VMNMJ-06-06	3/8"-18	9/16"-18	XX2627261X-06-06
		VMNMJ-08-06	1/2"-14	9/16"-18	XX2627261X-08-06
		VMNMJ-04-08	1/4"-18	3/4"-16	XX2627261X-04-08
		VMNMJ-08-08	1/2"-14	3/4"-16	XX2627261X-08-08
		VMNMJ-12-08	3/4"-14	3/4"-16	XX2627261X-12-08
		VMNMJ-06-10	3/8"-18	7/8"-14	XX2627261X-06-10
		VMNMJ-12-10	3/4"-14	7/8"-14	XX2627261X-12-10
		VMNMJ-08-12	1/2"-14	1.1/16"-12	XX2627261X-08-12
	290	VMNMJ-16-12	1"-11.5	1.1/16"-12	XX2627261X-16-12
		VMNMJ-12-16	3/4"-14	1.5/16"-12	XX2627261X-12-16
	240	VMNMJ-16-20	1"-11.5	1.5/8"-12	XX2627261X-16-20

Adaptador TEE Lateral Macho NPTF



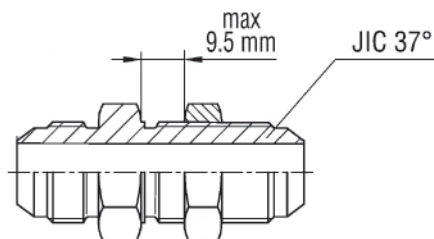
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	TLMNMJ-02-03	1/8"-27	3/8"-24	XX1827261X-02-03
		TLMNMJ-02-04	1/8"-27	7/16"-20	XX1827261X-02-04
		TLMNMJ-02-05	1/8"-27	1/2"-20	XX1827261X-02-05
		TLMNMJ-04-06	1/4"-18	9/16"-18	XX1827261X-04-06
		TLMNMJ-06-08	3/8"-18	3/4"-16	XX1827261X-06-08
		TLMNMJ-08-10	1/2"-14	7/8"-14	XX1827261X-08-10
	290	TLMNMJ-12-12	3/4"-14	1.1/16"-12	XX1827261X-12-12
	240	TLMNMJ-16-16	1"-11.5	1.5/16"-12	XX1827261X-16-16
		TLMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1827261X-20-20
		TLMNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1827261X-24-24
	350	TLMNMJ-04-04	1/4"-18	7/16"-20	XX1827261X-04-04
		TLMNMJ-04-05	1/4"-18	1/2"-20	XX1827261X-04-05
		TLMNMJ-06-06	3/8"-18	9/16"-18	XX1827261X-06-06
		TLMNMJ-08-08	1/2"-14	3/4"-16	XX1827261X-08-08
		TLMNMJ-06-10	3/8"-18	7/8"-14	XX1827261X-06-10
		TLMNMJ-12-10	3/4"-14	7/8"-14	XX1827261X-12-10
		TLMNMJ-08-12	1/2"-14	1.1/16"-12	XX1827261X-08-12
	290	TLMNMJ-12-16	3/4"-14	1.5/16"-12	XX1827261X-12-16
		TLMNMJ-16-20	1"-11.5	1.5/8"-12	XX1827261X-16-20

Adaptador TEE Central Macho NPTF



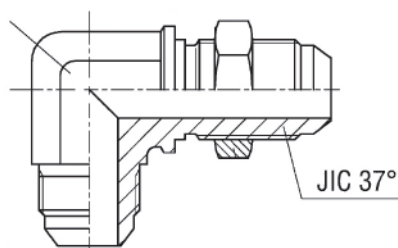
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	TCMNMJ-02-04	1/8"-27	7/16"-20	XX1927261X-02-04
		TCMNMJ-02-05	1/8"-27	1/2"-20	XX1927261X-02-05
		TCMNMJ-04-06	1/4"-18	9/16"-18	XX1927261X-04-06
		TCMNMJ-06-08	3/8"-18	3/4"-16	XX1927261X-06-08
		TCMNMJ-08-10	1/2"-14	7/8"-14	XX1927261X-08-10
	290	TCMNMJ-12-12	3/4"-14	1.1/16"-12	XX1927261X-12-12
		TCMNMJ-16-12	1"-11.5	1.1/16"-12	XX1927261X-16-12
	240	TCMNMJ-16-16	1"-11.5	1.5/16"-12	XX1927261X-16-16
		TCMNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1927261X-20-20
		TCMNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1927261X-24-24
	350	TCMNMJ-04-04	1/4"-18	7/16"-20	XX1927261X-04-04
		TCMNMJ-04-05	1/4"-18	1/2"-20	XX1927261X-04-05
		TCMNMJ-06-06	3/8"-18	9/16"-18	XX1927261X-06-06
		TCMNMJ-08-08	1/2"-14	3/4"-16	XX1927261X-08-08
		TCMNMJ-06-10	3/8"-18	7/8"-14	XX1927261X-06-10
		TCMNMJ-12-10	3/4"-14	7/8"-12	XX1927261X-12-10
		TCMNMJ-08-12	1/2"-14	1.1/16"-12	XX1927261X-08-12
	290	TCMNMJ-12-16	3/4"-14	1.5/16"-12	XX1927261X-12-16
	240	TCMNMJ-16-20	1"-11.5	1.5/8"-12	XX1927261X-16-20

Adaptador Reto Macho JIC Painel



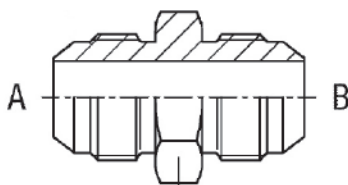
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	IMJMJP-04-04	7/16"-20	XX1426261X-04-04
		IMJMJP-05-05	1/2"-20	XX1426261X-05-05
	350	IMJMJP-06-06	9/16"-18	XX1426261X-06-06
		IMJMJP-08-08	3/4"-16	XX1426261X-08-08
		IMJMJP-10-10	7/8"-14	XX1426261X-10-10
		IMJMJP-12-12	1.1/16"-12	XX1426261X-12-12
	290	IMJMJP-16-16	1.5/16"-12	XX1426261X-16-16
	240	IMJMJP-20-20	1.5/8"-12	XX1426261X-20-20
		IMJMJP-24-24	1.7/8"-12	XX1426261X-24-24

Adaptador 90° Macho JIC Painel



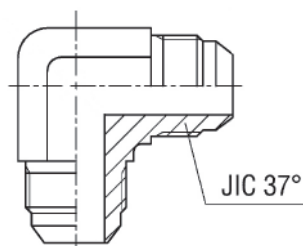
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	LMJMJP-04-04	7/16"-20	XX3126261X-04-04
		LMJMJP-05-05	1/2"-20	XX3126261X-05-05
	350	LMJMJP-06-06	9/16"-18	XX3126261X-06-06
		LMJMJP-08-08	3/4"-16	XX3126261X-08-08
		LMJMJP-10-10	7/8"-10	XX3126261X-10-10
		LMJMJP-12-12	1.1/16"-12	XX3126261X-12-12
	290	LMJMJP-16-16	1.5/16"-12	XX3126261X-16-16
	240	LMJMJP-20-20	1.5/8"-12	XX3126261X-20-20
		LMJMJP-24-24	1.7/8"-12	XX3126261X-24-24

Adaptador Reto Macho JIC



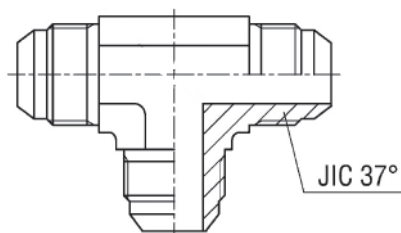
Série	bar	Ref. Comercial	JIC 37° A	JIC 37° B	Código Interno
UNIVERSAL	450	IMJMJ-04-04	7/16"-20	7/16"-20	XX1326261X-04-04
		IMJMJ-05-05	1/2"-20	1/2"-20	XX1326261X-05-05
	350	IMJMJ-06-06	9/16"-18	9/16"-18	XX1326261X-06-06
		IMJMJ-08-08	3/4"-16	3/4"-16	XX1326261X-08-08
		IMJMJ-10-10	7/8"-14	7/8"-14	XX1326261X-10-10
		IMJMJ-12-12	1.1/16"-12	1.1/16"-12	XX1326261X-12-12
	290	IMJMJ-16-16	1.5/16"-12	1.5/16"-12	XX1326261X-16-16
	240	IMJMJ-20-08	1.5/8"-12	3/4"-16	XX1326261X-20-08
		IMJMJ-20-12	1.5/8"-12	1.1/16"-12	XX1326261X-20-12
		IMJMJ-20-16	1.5/8"-12	1.5/16"-12	XX1326261X-20-16
		IMJMJ-20-20	1.5/8"-12	1.5/8"-12	XX1326261X-20-20
		IMJMJ-24-24	1.7/8"-12	1.7/8"-12	XX1326261X-24-24
		IMJMJ-32-32	2.1/2"-12	2.1/2"-12	XX1326261X-32-32
	350	IMJMJ-06-04	9/16"-18	7/16"-20	XX1326261X-06-04
		IMJMJ-08-04	3/4"-16	7/16"-20	XX1326261X-08-04
		IMJMJ-08-06	3/4"-16	9/16"-18	XX1326261X-08-06
		IMJMJ-10-08	7/8"-14	3/4"-16	XX1326261X-10-08
		IMJMJ-12-08	1.1/16"-12	3/4"-16	XX1326261X-12-08
		IMJMJ-12-10	1.1/16"-12	7/8"-14	XX1326261X-12-10
	290	IMJMJ-16-12	1.5/16"-12	1.1/16"-12	XX1326261X-16-12

Adaptador 90° Macho JIC



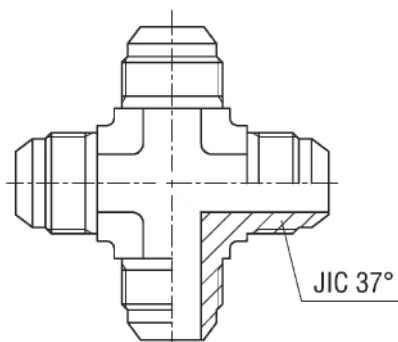
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	LMJMJ-04-04	7/16"-20	XX2926261X-04-04
		LMJMJ-05-05	1/2"-20	XX2926261X-05-05
	350	LMJMJ-06-06	9/16"-18	XX2926261X-06-06
		LMJMJ-08-08	3/4"-16	XX2926261X-08-08
		LMJMJ-10-10	7/8"-14	XX2926261X-10-10
		LMJMJ-12-12	1.1/16"-12	XX2926261X-12-12
	290	LMJMJ-16-16	1.5/16"-12	XX2926261X-16-16
	240	LMJMJ-20-20	1.5/8"-12	XX2926261X-20-20
		LMJMJ-24-24	1.7/8"-12	XX2926261X-24-24

Adaptador TEE Macho JIC



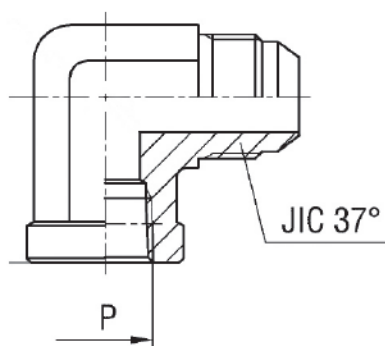
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	TMJMJ-04-04	7/16"-20	XX1726261X-04-04
		TMJMJ-05-05	1/2"-20	XX1726261X-05-05
	350	TMJMJ-06-06	9/16"-18	XX1726261X-06-06
		TMJMJ-08-08	3/4"-16	XX1726261X-08-08
		TMJMJ-10-10	7/8"-14	XX1726261X-10-10
		TMJMJ-12-12	1.1/16"-12	XX1726261X-12-12
	290	TMJMJ-16-16	1.5/16"-12	XX1726261X-16-16
	240	TMJMJ-20-20	1.5/8"-12	XX1726261X-20-20
		TMJMJ-24-24	1.7/8"-12	XX1726261X-24-24

Adaptador Cruzeta Macho JIC



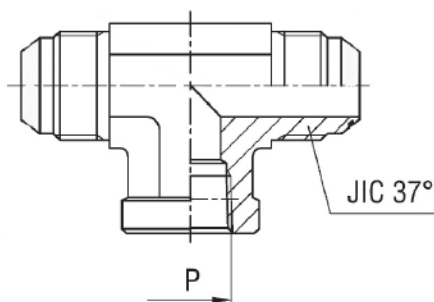
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	XMJMJ-04-04	7/16"-20	XX2826261X-04-04
		XMJMJ-05-05	1/2"-20	XX2826261X-05-05
	350	XMJMJ-06-06	9/16"-18	XX2826261X-06-06
		XMJMJ-08-08	3/4"-16	XX2826261X-08-08
		XMJMJ-10-10	7/8"-14	XX2826261X-10-10
		XMJMJ-12-12	1.1/16"-12	XX2826261X-12-12
	290	XMJMJ-16-16	1.5/16"-12	XX2826261X-16-16
	240	XMJMJ-20-20	1.5/8"-12	XX2826261X-20-20
		XMJMJ-24-24	1.7/8"-12	XX2826261X-24-24

Adaptador 90° Fêmea NPTF



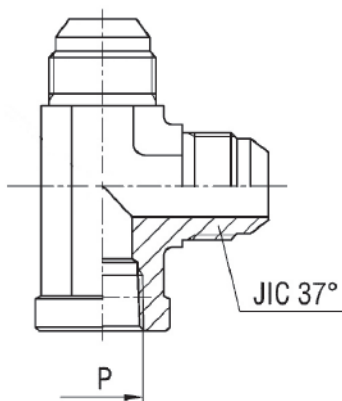
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	LFNMJ-02-04	1/8"-27	7/16"-20	XX2958261X-02-04
		LFNMJ-02-05	1/8"-27	1/2"-20	XX2958261X-02-05
		LFNMJ-02-06	1/8"-27	9/16"-18	XX2958261X-02-06
		LFNMJ-04-06	1/4"-18	9/16"-18	XX2958261X-04-06
		LFNMJ-06-08	3/8"-18	3/4"-16	XX2958261X-06-08
		LFNMJ-08-10	1/2"-14	7/8"-14	XX2958261X-08-10
	290	LFNMJ-12-12	3/4"-14	1.1/16"-12	XX2958261X-12-12
		LFNMJ-16-16	1"-11.5	1.5/16"-12	XX2958261X-16-16
	240	LFNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX2958261X-20-20
		LFNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX2958261X-24-24
	350	LFNMJ-04-04	1/4"-18	7/16"-20	XX2958261X-04-04
		LFNMJ-04-05	1/4"-18	1/2"-20	XX2958261X-04-05
		LFNMJ-02-06	1/8"-27	9/16"-18	XX2958261X-02-06
		LFNMJ-06-06	3/8"-18	9/16"-18	XX2958261X-06-06
		LFNMJ-04-08	1/4"-18	3/4"-16	XX2958261X-04-08
		LFNMJ-08-08	1/2"-14	3/4"-16	XX2958261X-08-08
		LFNMJ-08-12	1/2"-14	1.1/16"-12	XX2958261X-08-12

Adaptador TEE Central Fêmea NPTF



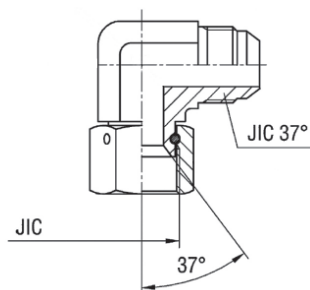
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	TCFNMJ-02-04	1/8"-27	7/16"-20	XX1958261X-02-04
		TCFNMJ-02-05	1/8"-27	1/2"-20	XX1958261X-02-05
		TCFNMJ-04-06	1/4"-18	9/16"-18	XX1958261X-04-06
		TCFNMJ-06-08	3/8"-18	3/4"-16	XX1958261X-06-08
		TCFNMJ-08-10	1/2"-14	7/8"-14	XX1958261X-08-10
		TCFNMJ-12-12	3/4"-14	1.1/16"-12	XX1958261X-12-12
	290	TCFNMJ-16-16	1"-11.5	1.5/16"-12	XX1958261X-16-16
	240	TCFNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1958261X-20-20
		TCFNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1958261X-24-24
	350	TCFNMJ-04-04	1/4"-18	7/16"-20	XX1958261X-04-04
		TCFNMJ-04-05	1/4"-18	1/2"-20	XX1958261X-04-05
		TCFNMJ-02-06	1/8"-18	9/16"-18	XX1958261X-02-06
		TCFNMJ-06-06	3/8"-18	9/16"-18	XX1958261X-06-06
		TCFNMJ-04-08	1/4"-18	3/4"-16	XX1958261X-04-08
		TCFNMJ-08-08	1/2"-14	3/4"-16	XX1958261X-08-08
		TCFNMJ-12-12	3/4"-14	1.1/16"-12	XX1958261X-12-12

Adaptador TEE Lateral Fêmea NPTF



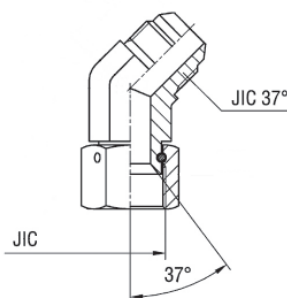
Série	bar	Ref. Comercial	P	JIC 37°	Código Interno
UNIVERSAL	350	TLFNMJ-02-04	1/8"-27	7/16"-20	XX1858261X-02-04
		TLFNMJ-02-05	1/8"-27	1/2"-20	XX1858261X-02-05
		TLFNMJ-04-06	1/4"-18	9/16"-18	XX1858261X-04-06
		TLFNMJ-06-08	3/8"-18	3/4"-16	XX1858261X-06-08
		TLFNMJ-08-06	1/2"-14	9/16"-18	XX1858261X-08-06
		TLFNMJ-08-10	1/2"-14	7/8"-14	XX1858261X-08-10
	290	TLFNMJ-12-12	3/4"-14	1.1/16"-12	XX1858261X-12-12
	240	TLFNMJ-16-16	1"-11.5	1.5/16"-12	XX1858261X-16-16
		TLFNMJ-20-20	1.1/4"-11.5	1.5/8"-12	XX1858261X-20-20
		TLFNMJ-24-24	1.1/2"-11.5	1.7/8"-12	XX1858261X-24-24
	350	TLFNMJ-04-04	1/4"-18	7/16"-20	XX1858261X-04-04
		TLFNMJ-04-05	1/4"-18	1/2"-20	XX1858261X-04-05
		TLFNMJ-02-06	1/8"-27	9/16"-18	XX1858261X-02-06
		TLFNMJ-06-04	3/8"-18	7/16"-20	XX1858261X-06-04
		TLFNMJ-06-06	3/8"-18	9/16"-18	XX1858261X-06-06
		TLFNMJ-04-08	1/4"-18	3/4"-16	XX1858261X-04-08
		TLFNMJ-08-08	1/2"-14	3/4"-16	XX1858261X-08-08
		TLFNMJ-08-12	1/2"-14	1.1/16"-12	XX1858261X-08-12

Adaptador 90° Fêmea JIC



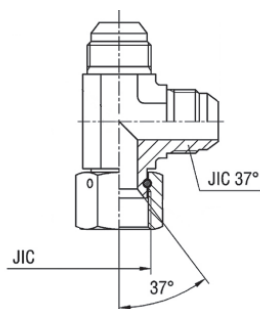
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	LFJMJ-04-04	7/16"-20	XX2950261X-04-04
		LFJMJ-05-05	1/2"-20	XX2950261X-05-05
	350	LFJMJ-06-06	9/16"-18	XX2950261X-06-06
		LFJMJ-08-08	3/4"-16	XX2950261X-08-08
		LFJMJ-10-10	7/8"-14	XX2950261X-10-10
		LFJMJ-12-12	1.1/16"-12	XX2950261X-12-12
	290	LFJMJ-16-16	1.5/16"-12	XX2950261X-16-16
	240	LFJMJ-20-20	1.5/8"-12	XX2950261X-20-20
		LFJMJ-24-24	1.7/8"-12	XX2950261X-24-24

Adaptador 45° Fêmea JIC



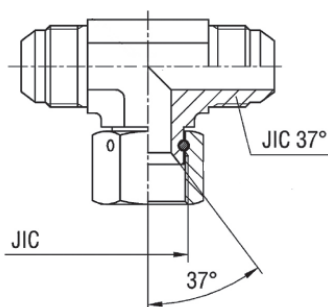
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	VFJMJ-04-04	7/16"-20	XX2650261X-04-04
		VFJMJ-05-05	1/2"-20	XX2650261X-05-05
	350	VFJMJ-06-06	9/16"-18	XX2650261X-06-06
		VFJMJ-08-08	3/4"-16	XX2650261X-08-08
		VFJMJ-10-10	7/8"-14	XX2650261X-10-10
		VFJMJ-12-12	1.1/16"-12	XX2650261X-12-12
	290	VFJMJ-16-16	1.5/16"-12	XX2650261X-16-16
	240	VFJMJ-20-20	1.5/8"-12	XX2650261X-20-20
		VFJMJ-24-24	1.7/8"-12	XX2650261X-24-24

Adaptador TEE Lateral Fêmea JIC



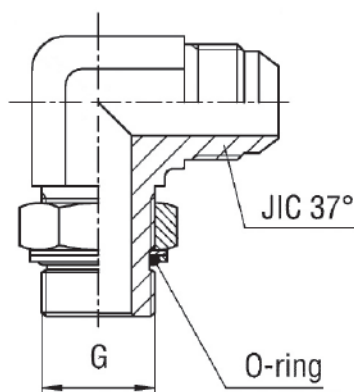
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	TLFJMJ-04-04	7/16"-20	XX1850261X-04-04
		TLFJMJ-05-05	1/2"-20	XX1850261X-05-05
	350	TLFJMJ-06-06	9/16"-18	XX1850261X-06-06
		TLFJMJ-08-08	3/4"-16	XX1850261X-08-08
		TLFJMJ-10-10	7/8"-14	XX1850261X-10-10
		TLFJMJ-12-12	1.1/16"-12	XX1850261X-12-12
	290	TLFJMJ-16-16	1.5/16"-12	XX1850261X-16-16
	240	TLFJMJ-20-20	1.5/8"-12	XX1850261X-20-20
		TLFJMJ-24-24	1.7/8"-12	XX1850261X-24-24

Adaptador TEE central fêmea JIC



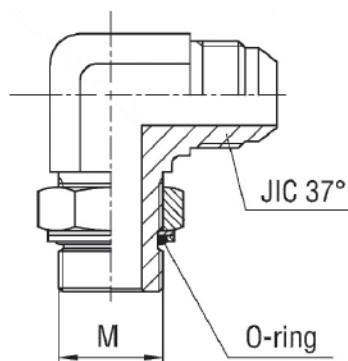
Série	bar	Ref. Comercial	JIC 37°	Código Interno
UNIVERSAL	450	TCFJMJ-04-04	7/16"-20	XX1950261X-04-04
		TCFJMJ-05-05	1/2"-20	XX1950261X-05-05
	350	TCFJMJ-06-06	9/16"-18	XX1950261X-06-06
		TCFJMJ-08-08	3/4"-16	XX1950261X-08-08
		TCFJMJ-10-10	7/8"-14	XX1950261X-10-10
		TCFJMJ-12-12	1.1/16"-12	XX1950261X-12-12
	290	TCFJMJ-16-16	1.5/16"-12	XX1950261X-16-16
	240	TCFJMJ-20-20	1.5/8"-12	XX1950261X-20-20
		TCFJMJ-24-24	1.7/8"-12	XX1950261X-24-24

Adaptador 90° BSPP Macho Orientável



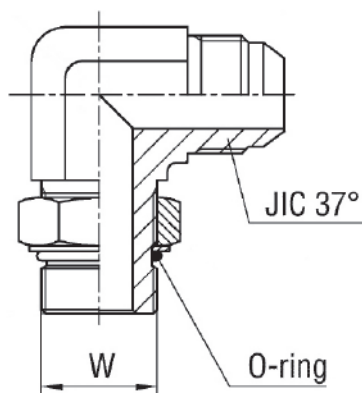
Série	bar	Ref. Comercial	G	JIC 37°	Código Interno
UNIVERSAL	350	LMBOMJ-02-04	1/8"-28	7/16"-20	XX3014261X-02-04
	315	LMBOMJ-04-05	1/4"-19	1/2"-20	XX3014261X-04-05
		LMBOMJ-04-06	1/4"-19	9/16"-18	XX3014261X-04-06
	250	LMBOMJ-06-08	3/8"-19	3/4"-16	XX3014261X-06-08
		LMBOMJ-08-10	1/2"-14	7/8"-14	XX3014261X-08-10
		LMBOMJ-12-12	3/4"-14	1.1/16"-12	XX3014261X-12-12
	200	LMBOMJ-16-16	1"-11	1.5/16"-12	XX3014261X-16-16
		LMBOMJ-20-20	1.1/4"-11	1.5/8"-12	XX3014261X-20-20
	160	LMBOMJ-24-24	1.1/2"-11	1.7/8"-12	XX3014261X-24-24
	315	LMBOMJ-04-04	1/4"-19	7/16"-20	XX3014261X-04-04
	250	LMBOMJ-06-04	3/8"-19	7/16"-20	XX3014261X-06-04
		LMBOMJ-08-04	1/2"-14	7/16"-20	XX3014261X-08-04
	350	LMBOMJ-02-05	1/8"-28	1/2"-20	XX3014261X-02-05
	250	LMBOMJ-06-05	3/8"-19	1/2"-20	XX3014261X-06-05
		LMBOMJ-06-06	3/8"-19	9/16"-18	XX3014261X-06-06
		LMBOMJ-08-06	1/2"-14	9/16"-18	XX3014261X-08-06
	315	LMBOMJ-04-08	1/4"-19	3/4"-16	XX3014261X-04-08
	250	LMBOMJ-08-08	1/2"-14	3/4"-16	XX3014261X-08-08
		LMBOMJ-12-08	3/4"-14	3/4"-16	XX3014261X-12-08
		LMBOMJ-06-10	3/8"-19	7/8"-14	XX3014261X-06-10
		LMBOMJ-12-10	3/4"-14	7/8"-14	XX3014261X-12-10
	200	LMBOMJ-16-12	1"-11	1.1/16"-12	XX3014261X-16-12
	250	LMBOMJ-12-16	3/4"-14	1.5/16"-12	XX3014261X-12-16
	200	LMBOMJ-20-16	1.1/4"-11	1.5/16"-12	XX3014261X-20-16
		LMBOMJ-16-20	1"-11	1.5/8"-12	XX3014261X-16-20
		LMBOMJ-20-24	1.1/4"-11	1.7/8"-12	XX3014261X-20-24

Adaptador 90° Métrico Macho Orientável



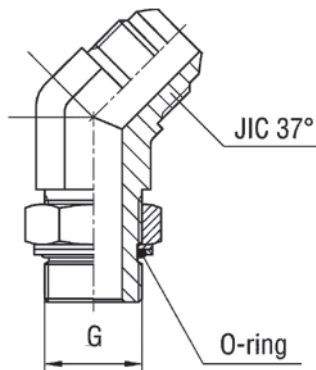
Série	bar	Ref. Comercial	M	JIC 37°	Código Interno
UNIVERSAL	350	LMMOMJ-10-04	10x1	7/16"-20	XX3022261X-10-04
	315	LMMOMJ-12-05	12x1.5	1/2"-20	XX3022261X-12-05
		LMMOMJ-14-06	14x1.5	9/16"-18	XX3022261X-14-06
		LMMOMJ-16-08	16x1.5	3/4"-16	XX3022261X-16-08
		LMMOMJ-16-10	16x1.5	7/8"-14	XX3022261X-16-10
	250	LMMOMJ-22-10	22x1.5	7/8"-14	XX3022261X-22-10
		LMMOMJ-27-12	27x2.0	1.1/16"-12	XX3022261X-27-12
	200	LMMOMJ-33-16	33x2.0	1.5/16"-12	XX3022261X-33-16
		LMMOMJ-42-20	42x2.0	1.5/8"-12	XX3022261X-42-20
	160	LMMOMJ-48-24	48x2.0	1.7/8"-12	XX3022261X-48-24
	315	LMMOMJ-12-04	12x1.5	7/16"-20	XX3022261X-12-04
	350	LMMOMJ-10-05	10x1.0	1/2"-20	XX3022261X-10-05
		LMMOMJ-14-05	14x1.5	1/2"-20	XX3022261X-14-05
		LMMOMJ-16-06	16x1.5	9/16"-18	XX3022261X-16-06
		LMMOMJ-18-08	18x1.5	3/4"-16	XX3022261X-18-08
		LMMOMJ-18-10	18x1.5	7/8"-14	XX3022261X-18-10
	250	LMMOMJ-20-10	20x1.5	7/8"-14	XX3022261X-20-10
		LMMOMJ-22-12	22x1.5	1.1/16"-12	XX3022261X-22-12
		LMMOMJ-27-16	27x2.0	1.5/16"-12	XX3022261X-27-16

Adaptador 90° UNF Macho Orientável



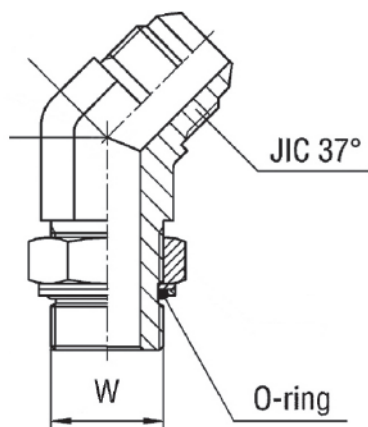
Série	bar	Ref. Comercial	W	JIC 37°	Código Interno
UNIVERSAL	400	LMSOMJ-04-04	7/16"-20	7/16"-20	XX3033261X-04-04
		LMSOMJ-05-05	1/2"-20	1/2"-20	XX3033261X-05-05
	350	LMSOMJ-06-06	9/16"-18	9/16"-18	XX3033261X-06-06
		LMSOMJ-08-08	3/4"-16	3/4"-16	XX3033261X-08-08
		LMSOMJ-10-10	7/8"-10	7/8"-14	XX3033261X-10-10
		LMSOMJ-12-12	1.1/16"-12	1.1/16"-12	XX3033261X-12-12
	290	LMSOMJ-16-16	1.5/16"-12	1.5/16"-12	XX3033261X-16-16
	240	LMSOMJ-20-20	1.5/8"-12	1.5/8"-12	XX3033261X-20-20
		LMSOMJ-24-24	1.7/8"-12	1.7/8"-12	XX3033261X-24-24
	400	LMSOMJ-05-04	1/2"-20	7/16"-20	XX3033261X-05-04
		LMSOMJ-06-04	9/16"-18	7/16"-20	XX3033261X-06-04
	350	LMSOMJ-06-05	9/16"-18	1/2"-20	XX3033261X-06-05
		LMSOMJ-04-06	7/16"-20	9/16"-20	XX3033261X-04-06
		LMSOMJ-04-08	7/16"-20	3/4"-16	XX3033261X-04-08
		LMSOMJ-05-06	1/2"-20	9/16"-18	XX3033261X-05-06
		LMSOMJ-05-08	1/2"-20	3/4"-16	XX3033261X-05-08
		LMSOMJ-08-06	3/4"-16	9/16"-18	XX3033261X-08-06
		LMSOMJ-10-06	7/8"-14	9/16"-18	XX3033261X-10-06
		LMSOMJ-06-08	9/16"-18	3/4"-16	XX3033261X-06-08
		LMSOMJ-10-08	7/8"-14	3/4"-16	XX3033261X-10-08
		LMSOMJ-12-08	1.1/16"-12	3/4"-16	XX3033261X-12-08
		LMSOMJ-08-10	3/4"-16	7/8"-14	XX3033261X-08-10
		LMSOMJ-12-10	1.1/16"-12	7/8"-14	XX3033261X-12-10
		LMSOMJ-08-12	3/4"-16	1.1/16"-12	XX3033261X-08-12
		LMSOMJ-10-12	7/8"-14	1.1/16"-12	XX3033261X-10-12
	290	LMSOMJ-16-08	1.5/16"-12	3/4"-16	XX3033261X-16-08
		LMSOMJ-16-12	1.5/16"-12	1.1/16"-12	XX3033261X-16-12
		LMSOMJ-12-16	1.1/16"-12	1.5/16"-12	XX3033261X-12-16
	240	LMSOMJ-16-20	1.5/16"-12	1.5/8"-12	XX3033261X-16-20
		LMSOMJ-20-16	1.5/8"-12	1.5/16"-12	XX3033261X-20-16

Adaptador 45° BSPP Macho Orientável



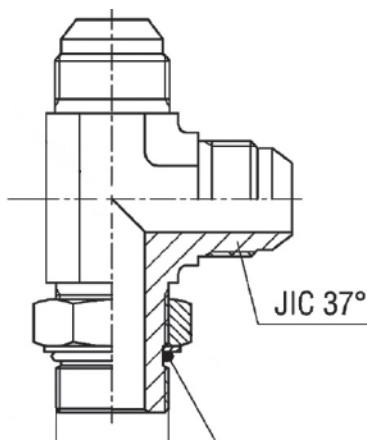
Série	bar	Ref. Comercial	G	JIC 37°	Código Interno
UNIVERSAL	350	VMBOMJ-02-04	1/8"-28	7/16"-20	XX2714261X-02-04
	315	VMBOMJ-04-05	1/4"-19	1/2"-20	XX2714261X-04-05
		VMBOMJ-04-06	1/4"-19	9/16"-18	XX2714261X-04-06
	250	VMBOMJ-06-08	3/8"-19	3/4"-16	XX2714261X-06-08
		VMBOMJ-08-10	1/2"-14	7/8"-14	XX2714261X-08-10
		VMBOMJ-12-12	3/4"-14	1.1/16"-12	XX2714261X-12-12
	200	VMBOMJ-16-16	1"-11	1.5/16"-12	XX2714261X-16-16
		VMBOMJ-20-20	1.1/4"-11	1.5/8"-12	XX2714261X-20-20
	160	VMBOMJ-24-24	1.1/2"-11	1.7/8"-12	XX2714261X-24-24
	315	VMBOMJ-04-04	1/4"-19	7/16"-20	XX2714261X-04-04
	250	VMBOMJ-06-04	3/8"-19	7/16"-20	XX2714261X-06-04
		VMBOMJ-08-04	1/2"-14	7/16"-20	XX2714261X-08-04
	350	VMBOMJ-02-05	1/8"-28	1/2"-20	XX2714261X-02-05
	250	VMBOMJ-06-05	3/8"-19	1/2"-20	XX2714261X-06-05
		VMBOMJ-06-06	3/8"-19	9/16"-18	XX2714261X-06-06
		VMBOMJ-08-06	1/2"-14	9/16"-18	XX2714261X-08-06
	315	VMBOMJ-04-08	1/4"-19	3/4"-16	XX2714261X-04-08
	250	VMBOMJ-08-08	1/2"-14	3/4"-16	XX2714261X-08-08
		VMBOMJ-12-08	3/4"-14	3/4"-16	XX2714261X-12-08
		VMBOMJ-06-10	3/8"-19	7/8"-14	XX2714261X-06-10
		VMBOMJ-12-10	3/4"-14	7/8"-14	XX2714261X-12-10
		VMBOMJ-08-12	1/2"-14	1.1/16"-12	XX2714261X-08-12
	200	VMBOMJ-16-12	1"-11	1.1/16"-12	XX2714261X-16-12
	250	VMBOMJ-12-16	3/4"-14	1.5/16"-12	XX2714261X-12-16
	200	VMBOMJ-20-16	1.1/4"-11	1.5/16"-12	XX2714261X-20-16
		VMBOMJ-16-20	1"-11	1.5/8"-12	XX2714261X-16-20
		VMBOMJ-20-24	1.1/4"-11	1.7/8"-12	XX2714261X-20-24

Adaptador 45° UNF Macho Orientável



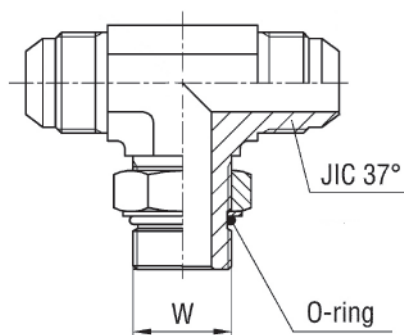
Série	bar	Ref. Comercial	W	JIC 37°	Código Interno
UNIVERSAL	400	VMSOMJ-04-04	7/16"-20	7/16"-20	XX2733261X-04-04
		VMSOMJ-05-05	1/2"-20	1/2"-20	XX2733261X-05-05
	350	VMSOMJ-06-06	9/16"-18	9/16"-18	XX2733261X-06-06
		VMSOMJ-08-08	3/4"-16	3/4"-16	XX2733261X-08-08
		VMSOMJ-10-10	7/8"-14	7/8"-14	XX2733261X-10-10
		VMSOMJ-12-12	1.1/16"-12	1.1/16"-12	XX2733261X-12-12
	290	VMSOMJ-16-16	1.5/16"-12	1.5/16"-12	XX2733261X-16-16
	240	VMSOMJ-20-20	1.5/8"-12	1.5/8"-12	XX2733261X-20-20
		VMSOMJ-24-24	1.7/8"-12	1.7/8"-12	XX2733261X-24-24
	400	VMSOMJ-05-04	1/2"-20	7/16"-20	XX2733261X-05-04
	350	VMSOMJ-08-06	3/4"-16	9/16"-18	XX2733261X-08-06
		VMSOMJ-10-08	7/8"-14	3/4"-16	XX2733261X-10-08
		VMSOMJ-08-10	3/4"-16	7/8"-14	XX2733261X-08-10
		VMSOMJ-08-12	3/4"-16	1.1/16"-12	XX2733261X-08-12
		VMSOMJ-10-12	7/8"-14	1.1/16"-12	XX2733261X-10-12
	290	VMSOMJ-16-12	1.5/16"-12	1.1/16"-12	XX2733261X-16-12
		VMSOMJ-12-16	1.1/16"-12	1.5/16"-12	XX2733261X-12-16
	240	VMSOMJ-20-16	1.5/8"-12	1.5/16"-12	XX2733261X-20-16

Adaptador TEE lateral Macho Orientável UNF



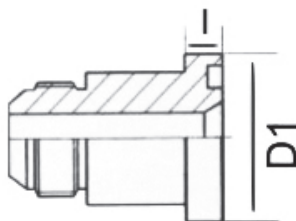
Série	bar	Ref. Comercial	W	JIC 37°	Código Interno
UNIVERSAL	400	TLMSOMJ-04-04	7/16"-20	7/16"-20	XX2233261X-04-04
		TLMSOMJ-05-05	1/2"-20	1/2"-20	XX2233261X-05-05
	350	TLMSOMJ-06-06	9/16"-18	9/16"-18	XX2233261X-06-06
		TLMSOMJ-06-08	9/16"-18	3/4"-16	XX2233261X-06-08
		TLMSOMJ-08-08	3/4"-16	3/4"-16	XX2233261X-08-08
		TLMSOMJ-10-10	7/8"-14	7/8"-14	XX2233261X-10-10
		TLMSOMJ-12-12	1.1/16"-12	1.1/16"-12	XX2233261X-12-12
	290	TLMSOMJ-16-16	1.5/16"-12	1.5/16"-12	XX2233261X-16-16
	240	TLMSOMJ-20-20	1.5/8"-12	1.5/8"-12	XX2233261X-20-20
		TLMSOMJ-24-24	1.7/8"-12	1.7/8"-12	XX2233261X-24-24
	400	TLMSOMJ-05-04	1/2"-20	7/16"-20	XX2233261X-05-04
	350	TLMSOMJ-06-04	9/16"-18	7/16"-20	XX2233261X-06-04
		TLMSOMJ-08-06	3/4"-16	9/16"-18	XX2233261X-08-06
		TLMSOMJ-10-08	7/8"-14	3/4"-16	XX2233261X-10-08
		TLMSOMJ-12-08	1.1/16"-12	3/4"-16	XX2233261X-12-08
		TLMSOMJ-08-10	3/4"-16	7/8"-14	XX2233261X-08-10
		TLMSOMJ-12-10	1.1/16"-12	7/8"-14	XX2233261X-12-10
		TLMSOMJ-08-12	3/4"-16	1.1/16"-12	XX2233261X-08-12
		TLMSOMJ-10-12	7/8"-14	1.1/16"-12	XX2233261X-10-12
	290	TLMSOMJ-16-12	1.5/16"-12	1.1/16"-12	XX2233261X-16-12
		TLMSOMJ-12-16	1.1/16"-12	1.5/16"-12	XX2233261X-12-16
	240	TLMSOMJ-20-16	1.5/8"-12	1.5/16"-12	XX2233261X-20-16

Adaptador TEE Central Macho Orientável UNF



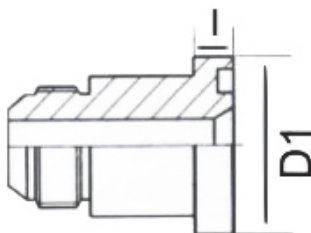
Série	bar	Ref. Comercial	W	JIC 37°	Código Interno
UNIVERSAL	400	TCMSOMJ-04-04	7/16"-20	7/16"-20	XX2333261X-04-04
		TCMSOMJ-05-05	1/2"-20	1/2"-20	XX2333261X-05-05
	350	TCMSOMJ-06-06	9/16"-18	9/16"-18	XX2333261X-06-06
		TCMSOMJ-08-08	3/4"-16	3/4"-16	XX2333261X-08-08
		TCMSOMJ-10-10	7/8"-14	7/8"-14	XX2333261X-10-10
		TCMSOMJ-12-12	1.1/16"-12	1.1/16"-12	XX2333261X-12-12
	290	TCMSOMJ-16-16	1.5/16"-12	1.5/16"-12	XX2333261X-16-16
	240	TCMSOMJ-20-20	1.5/8"-12	1.5/8"-12	XX2333261X-20-20
		TCMSOMJ-24-24	1.7/8"-12	1.7/8"-12	XX2333261X-24-24
	400	TCMSOMJ-05-04	1/2"-20	7/16"-20	XX2333261X-05-04
		TCMSOMJ-06-04	9/16"-18	7/16"-20	XX2333261X-06-04
		TCMSOMJ-08-06	3/4"-16	9/16"-18	XX2333261X-08-06
		TCMSOMJ-10-08	7/8"-14	3/4"-16	XX2333261X-10-08
		TCMSOMJ-12-08	1.1/16"-12	3/4"-16	XX2333261X-12-08
		TCMSOMJ-08-10	3/4"-16	7/8"-14	XX2333261X-08-10
		TCMSOMJ-12-10	1.1/16"-12	7/8"-14	XX2333261X-12-10
		TCMSOMJ-08-12	3/4"-16	1.1/16"-12	XX2333261X-08-12
		TCMSOMJ-10-12	7/8"-14	1.1/16"-12	XX2333261X-10-12
	290	TCMSOMJ-16-12	1.5/16"-12	1.1/16"-12	XX2333261X-16-12
		TCMSOMJ-12-16	1.1/16"-12	1.5/16"-12	XX2333261X-12-16
	240	TCMSOMJ-20-16	1.5/8"-12	1.5/16"-12	XX2333261X-20-16

Adaptador Reto Flange 3000psi



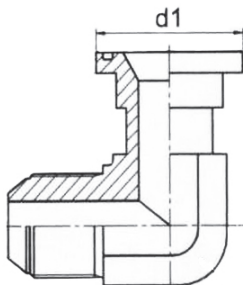
Série	Ref. Comercial	D1	I	JIC 37°	Código Interno
UNIVERSAL	IF3MJ-08-08	1/2" (30,2mm)	6,7	3/4"-16	XX1361261X-08-08
	IF3MJ-12-08	3/4" (38,1mm)	6,7	3/4"-16	XX1361261X-12-08
	IF3MJ-12-12	3/4" (38,1mm)	6,7	1.1/16"-12	XX1361261X-12-12
	IF3MJ-12-16	3/4" (38,1mm)	6,7	1.5/16"-12	XX1361261X-12-16
	IF3MJ-16-08	1" (44,4mm)	8	3/4"-16	XX1361261X-16-08
	IF3MJ-16-12	1" (44,4mm)	8	1.1/16"-12	XX1361261X-16-12
	IF3MJ-16-16	1" (44,4mm)	8	1.5/16"-12	XX1361261X-16-16
	IF3MJ-16-20	1" (44,4mm)	8	1.5/8"-12	XX1361261X-16-20
	IF3MJ-16-24	1" (44,4mm)	8	1.7/8"-12	XX1361261X-16-24
	IF3MJ-20-12	1.1/4" (50,8mm)	8	1.1/16"-12	XX1361261X-20-12
	IF3MJ-20-16	1.1/4" (50,8mm)	8	1.5/16"-12	XX1361261X-20-16
	IF3MJ-20-20	1.1/4" (50,8mm)	8	1.5/8"-12	XX1361261X-20-20
	IF3MJ-24-16	1.1/2" (60,3mm)	8	1.5/16"-12	XX1361261X-24-16
	IF3MJ-24-20	1.1/2" (60,3mm)	8	1.5/8"-12	XX1361261X-24-20
	IF3MJ-24-24	1.1/2" (60,3mm)	8	1.7/8"-12	XX1361261X-24-24
	IF3MJ-32-16	2" (71,4mm)	9,5	1.5/16"-12	XX1361261X-32-16
	IF3MJ-32-20	2" (71,4mm)	9,5	1.5/8"-12	XX1361261X-32-20
	IF3MJ-32-24	2" (71,4mm)	9,5	1.7/8"-12	XX1361261X-32-24
	IF3MJ-32-32	2" (71,4mm)	9,5	2.1/2"-12	XX1361261X-32-32

Adaptador Reto Flange 6000psi



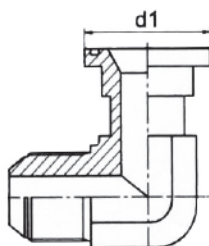
Série	Ref. Comercial	D1	I	JIC 37°	Código Interno
UNIVERSAL	IF6MJ-12-12	3/4" (31,8mm)	8,7	1.1/16"-12	XX1362261X-12-12
	IF6MJ-12-16	3/4" (31,8mm)	8,7	1.5/16"-12	XX1362261X-12-16
	IF6MJ-16-12	1" (47,7mm)	9,5	1.1/16"-12	XX1362261X-16-12
	IF6MJ-16-16	1" (47,7mm)	9,5	1.5/16"-12	XX1362261X-16-16
	IF6MJ-20-08	1.1/4" (54,2mm)	10,3	3/4"-16	XX1362261X-20-08
	IF6MJ-20-12	1.1/4" (54,2mm)	10,3	1.1/16"-12	XX1362261X-20-12
	IF6MJ-20-16	1.1/4" (54,2mm)	10,3	1.5/16"-12	XX1362261X-20-16
	IF6MJ-20-20	1.1/4" (54,2mm)	10,3	1.5/8"-12	XX1362261X-20-20
	IF6MJ-24-20	1.1/2" (63,7mm)	12,6	1.5/8"-12	XX1362261X-24-20
	IF6MJ-24-24	1.1/2" (63,7mm)	12,6	1.7/8"-12	XX1362261X-24-24
	IF6MJ-32-32	2" (79,4mm)	12,6	2.1/2"-12	XX1362261X-32-32

Adaptador 90° Flange 3000psi



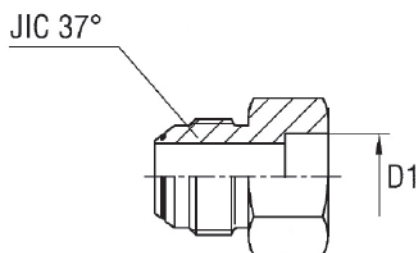
Série	Ref. Comercial	D1	I	JIC 37°	Código Interno
UNIVERSAL	LF3MJ-08-08	1/2" (30,2mm)	6,7	3/4"-16	XX2961261X-08-08
	LF3MJ-12-08	3/4" (38,1mm)	6,7	3/4"-16	XX2961261X-12-08
	LF3MJ-12-12	3/4" (38,1mm)	6,7	1.1/16"-12	XX2961261X-12-12
	LF3MJ-12-16	3/4" (38,1mm)	6,7	1.5/16"-12	XX2961261X-12-16
	LF3MJ-16-08	1" (44,4mm)	8	3/4"-16	XX2961261X-16-08
	LF3MJ-16-12	1" (44,4mm)	8	1.1/16"-12	XX2961261X-16-12
	LF3MJ-16-16	1" (44,4mm)	8	1.5/16"-12	XX2961261X-16-16
	LF3MJ-16-20	1" (44,4mm)	8	1.5/8"-12	XX2961261X-16-20
	LF3MJ-20-12	1.1/4" (50,8mm)	8	1.1/16"-12	XX2961261X-20-12
	LF3MJ-20-16	1.1/4" (50,8mm)	8	1.5/16"-12	XX2961261X-20-16
	LF3MJ-20-20	1.1/4" (50,8mm)	8	1.5/8"-12	XX2961261X-20-20
	LF3MJ-24-20	1.1/2" (60,3mm)	8	1.5/8"-12	XX2961261X-24-20
	LF3MJ-24-24	1.1/2" (60,3mm)	8	1.7/8"-12	XX2961261X-24-24
	LF3MJ-32-20	2" (71,4mm)	9,5	1.5/8"-12	XX2961261X-32-20
	LF3MJ-32-24	2" (71,4mm)	9,5	1.7/8"-12	XX2961261X-32-24
	LF3MJ-32-32	2" (71,4mm)	9,5	2.1/2"-12	XX2961261X-32-32

Adaptador 90° Flange 6000psi



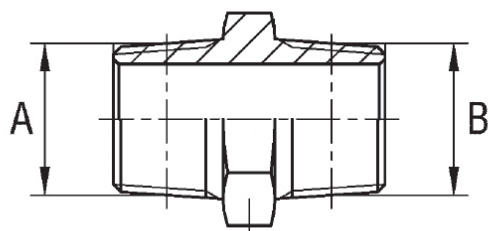
Série	Ref. Comercial	D1	I	JIC 37°	Código Interno
UNIVERSAL	LF6MJ-12-12	3/4" (31,8mm)	8,7	1.1/16"-12	XX2962261X-12-12
	LF6MJ-12-16	3/4" (31,8mm)	8,7	1.5/16"-12	XX2962261X-12-16
	LF6MJ-16-12	1" (47,7mm)	9,5	1.1/16"-12	XX2962261X-16-12
	LF6MJ-16-16	1" (47,7mm)	9,5	1.5/16"-12	XX2962261X-16-16
	LF6MJ-20-08	1.1/4" (54,2mm)	10,3	3/4"-16	XX2962261X-20-08
	LF6MJ-20-12	1.1/4" (54,2mm)	10,3	1.1/16"-12	XX2962261X-20-12
	LF6MJ-20-16	1.1/4" (54,2mm)	10,3	1.5/16"-12	XX2962261X-20-16
	LF6MJ-20-20	1.1/4" (54,2mm)	10,3	1.5/8"-12	XX2962261X-20-20
	LF6MJ-24-20	1.1/2" (63,7mm)	12,6	1.5/8"-12	XX2962261X-24-20
	LF6MJ-24-24	1.1/2" (63,7mm)	12,6	1.7/8"-12	XX2962261X-24-24
	LF6MJ-32-32	2" (79,4mm)	12,6	2.1/2"-12	XX2962261X-32-32

Adaptador Solda JIC



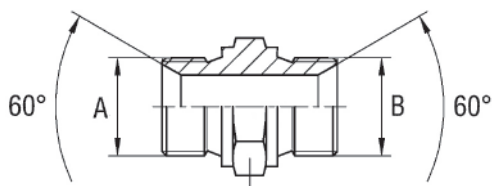
Série	bar	Ref. Comercial	JIC 37°	Encaixe Solda D1 (mm)	Código Interno
UNIVERSAL	450	IUSMJ 04-04	7/16"-20	6	XX1306263X-0404
	350	IUSMJ 05-05	1/2"-20	8	XX1306263X-0505
		IUSMJ 06-06	9/16"-18	10	XX1306263X-0606
		IUSMJ 08-08	3/4"-16	12	XX1306263X-0808
		IUSMJ 10-10	7/8"-14	16	XX1306263X-1010
		IUSMJ 12-12	1.1/16"-12	20	XX1306263X-1212
	290	IUSMJ 16-16	1.5/16"-12	25	XX1306263X-1616
	240	IUSMJ 20-20	1.5/8"-12	32	XX1306263X-2020

Adaptador Macho NPTF



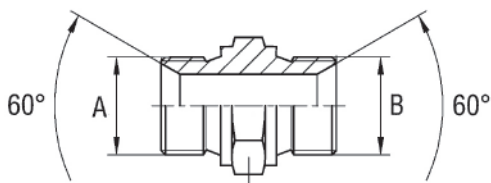
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	IMNMN-02-02	1/8"-27	1/8"-27	XX1327271X-02-02
		IMNMN-04-02	1/4"-18	1/8"-27	XX1327271X-04-02
		IMNMN-04-04	1/4"-18	1/4"-18	XX1327271X-04-04
	250	IMNMN-06-04	3/8"-18	1/4"-18	XX1327271X-06-04
		IMNMN-06-06	3/8"-18	3/8"-18	XX1327271X-06-06
	225	IMNMN-08-06	1/2"-14	3/8"-18	XX1327271X-08-06
		IMNMN-08-08	1/2"-14	1/2"-14	XX1327271X-08-08
	200	IMNMN-12-06	3/4"-14	3/8"-18	XX1327271X-12-06
		IMNMN-12-08	3/4"-14	1/2"-14	XX1327271X-12-08
		IMNMN-12-12	3/4"-14	3/4"-14	XX1327271X-12-12
	160	IMNMN-16-08	1"-11.5	3/4"-14	XX1327271X-16-08
		IMNMN-16-12	1"-11.5	3/4"-14	XX1327271X-16-12
		IMNMN-16-16	1"-11.5	1"-11.1/2	XX1327271X-16-16
		IMNMN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX1327271X-20-20
		IMNMN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX1327271X-24-24
	100	IMNMN-32-32	2"-11.5	2"-11.5	XX1327271X-32-32
	250	IMNMN-06-02	3/8"-18	1/8"-27	XX1327271X-06-02
	225	IMNMN-08-04	1/2"-14	1/4"-18	XX1327271X-08-04
	200	IMNMN-12-04	3/4"-14	1/4"-18	XX1327271X-12-04
	160	IMNMN-20-16	1.1/4"-11.5	1"-11.5	XX1327271X-20-16
		IMNMN-24-16	1.1/2"-11.5	1"-11.5	XX1327271X-24-16

Adaptador Macho BSPP JC



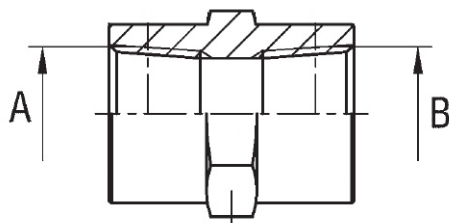
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	400	IMBMB-02-02	1/8"-28	1/8"-28	XX1311111X-02-02
		IMBMB-04-02	1/4"-19	1/8"-28	XX1311111X-04-02
		IMBMB-06-02	3/8"-19	1/8"-28	XX1311111X-06-02
		IMBMB-04-04	1/4"-19	1/4"-19	XX1311111X-04-04
		IMBMB-06-04	3/8"-19	1/4"-19	XX1311111X-06-04
	350	IMBMB-08-04	1/2"-14	1/4"-19	XX1311111X-08-04
	315	IMBMB-12-04	3/4"-14	1/4"-19	XX1311111X-12-04
	400	IMBMB-06-06	3/8"-19	3/8"-19	XX1311111X-06-06
	350	IMBMB-08-06	1/2"-14	3/8"-19	XX1311111X-08-06
	315	IMBMB-12-06	3/4"-14	3/8"-19	XX1311111X-12-06
	350	IMBMB-08-08	1/2"-14	1/2"-14	XX1311111X-08-08
		IMBMB-10-08	5/8"-14	1/2"-14	XX1311111X-10-08
	315	IMBMB-12-08	3/4"-14	1/2"-14	XX1311111X-12-08
	250	IMBMB-16-08	1"-11	1/2"-14	XX1311111X-16-08
	200	IMBMB-20-08	1.1/4"-11	1/2"-14	XX1311111X-20-08
	350	IMBMB-10-10	5/8"-11	5/8"-14	XX1311111X-10-10
	315	IMBMB-12-10	3/4"-14	5/8"-14	XX1311111X-12-10
		IMBMB-12-12	3/4"-14	3/4"-14	XX1311111X-12-12
	250	IMBMB-16-12	1"-11	3/4"-14	XX1311111X-16-12
	200	IMBMB-20-12	1.1/4"-11	3/4"-14	XX1311111X-20-12
	160	IMBMB-24-12	1.1/2"-11	3/4"-14	XX1311111X-24-12
	250	IMBMB-16-16	1"-11	1"-11	XX1311111X-16-16
	200	IMBMB-20-16	1.1/4"-11	1"-11	XX1311111X-20-16
	100	IMBMB-24-16	1.1/2"-11	1"-11	XX1311111X-24-16
	125	IMBMB-32-16	2"-11	1"-11	XX1311111X-32-16
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	200	IMBMB-20-20	1.1/4"-11	1.1/4"-11	XX1311111X-20-20
	160	IMBMB-24-20	1.1/2"-11	1.1/4"-11	XX1311111X-24-20
	125	IMBMB-32-20	2"-11	1.1/4"-11	XX1311111X-32-20
	160	IMBMB-24-24	1.1/2"-11	1.1/2"-11	XX1311111X-24-24
	125	IMBMB-32-24	2"-11	1.1/2"-11	XX1311111X-32-24
		IMBMB-32-32	2"-11	2"-11	XX1311111X-32-32
	350	IMBMB-08-02	1/2"-14	1/8"-28	XX1311111X-08-02
		IMBMB-10-04	5/8"-14	1/4"-19	XX1311111X-10-04
	250	IMBMB-16-04	1"-11	1/4"-19	XX1311111X-16-04
	350	IMBMB-10-06	5/8"-14	3/8"-19	XX1311111X-10-06
	250	IMBMB-16-06	1"-11	3/8"-19	XX1311111X-16-06
	160	IMBMB-16-10	1"-11	5/8"-14	XX1311111X-16-10
	200	IMBMB-20-10	1.1/4"-11	5/8"-14	XX1311111X-20-10

Adaptador Macho BSPP ED



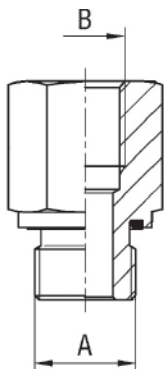
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	400	IMBMB-02-02	1/8"-28	1/8"-28	XX1312121X-02-02
		IMBMB-04-02	1/4"-19	1/8"-28	XX1312121X-04-02
		IMBMB-06-02	3/8"-19	1/8"-28	XX1312121X-06-02
		IMBMB-04-04	1/4"-19	1/4"-19	XX1312121X-04-04
		IMBMB-06-04	3/8"-19	1/4"-19	XX1312121X-06-04
	350	IMBMB-08-04	1/2"-14	1/4"-19	XX1312121X-08-04
	315	IMBMB-12-04	3/4"-14	1/4"-19	XX1312121X-12-04
	400	IMBMB-06-06	3/8"-19	3/8"-19	XX1312121X-06-06
	350	IMBMB-08-06	1/2"-14	3/8"-19	XX1312121X-08-06
	315	IMBMB-12-06	3/4"-14	3/8"-19	XX1312121X-12-06
	350	IMBMB-08-08	1/2"-14	1/2"-14	XX1312121X-08-08
		IMBMB-10-08	5/8"-14	1/2"-14	XX1312121X-10-08
	315	IMBMB-12-08	3/4"-14	1/2"-14	XX1312121X-12-08
	250	IMBMB-16-08	1"-11	1/2"-14	XX1312121X-16-08
	200	IMBMB-20-08	1.1/4"-11	1/2"-14	XX1312121X-20-08
	350	IMBMB-10-10	5/8"-11	5/8"-14	XX1312121X-10-10
	315	IMBMB-12-10	3/4"-14	5/8"-14	XX1312121X-12-10
		IMBMB-12-12	3/4"-14	3/4"-14	XX1312121X-12-12
	250	IMBMB-16-12	1"-11	3/4"-14	XX1312121X-16-12
	200	IMBMB-20-12	1.1/4"-11	3/4"-14	XX1312121X-20-12
	160	IMBMB-24-12	1.1/2"-11	3/4"-14	XX1312121X-24-12
	250	IMBMB-16-16	1"-11	1"-11	XX1312121X-16-16
	200	IMBMB-20-16	1.1/4"-11	1"-11	XX1312121X-20-16
	100	IMBMB-24-16	1.1/2"-11	1"-11	XX1312121X-24-16
	125	IMBMB-32-16	2"-11	1"-11	XX1312121X-32-16
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	200	IMBMB-20-20	1.1/4"-11	1.1/4"-11	XX1312121X-20-20
	160	IMBMB-24-20	1.1/2"-11	1.1/4"-11	XX1312121X-24-20
	125	IMBMB-32-20	2"-11	1.1/4"-11	XX1312121X-32-20
	160	IMBMB-24-24	1.1/2"-11	1.1/2"-11	XX1312121X-24-24
	125	IMBMB-32-24	2"-11	1.1/2"-11	XX1312121X-32-24
		IMBMB-32-32	2"-11	2"-11	XX1312121X-32-32
	350	IMBMB-08-02	1/2"-14	1/8"-28	XX1312121X-08-02
		IMBMB-10-04	5/8"-14	1/4"-19	XX1312121X-10-04
	250	IMBMB-16-04	1"-11	1/4"-19	XX1312121X-16-04
	350	IMBMB-10-06	5/8"-14	3/8"-19	XX1312121X-10-06
	250	IMBMB-16-06	1"-11	3/8"-19	XX1312121X-16-06
	160	IMBMB-16-10	1"-11	5/8"-14	XX1312121X-16-10
	200	IMBMB-20-10	1.1/4"-11	5/8"-14	XX1312121X-20-10

Adaptador Fêmea NPT x Fêmea NPTF



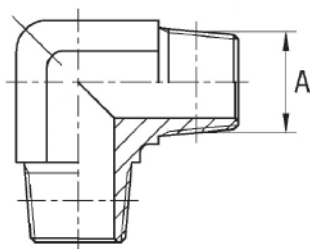
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	IFNFN-02-02	1/8"-27	1/8"-27	XX1358581X-02-02
		IFNFN-02-04	1/8"-27	1/4"-18	XX1358581X-02-04
		IFNFN-04-04	1/4"-18	1/4"-18	XX1358581X-04-04
	250	IFNFN-06-06	3/8"-18	3/8"-18	XX1358581X-06-06
	225	IFNFN-08-08	1/2"-14	1/2"-14	XX1358581X-08-08
	200	IFNFN-12-12	3/4"-14	3/4"-14	XX1358581X-12-12
	160	IFNFN-16-16	1"-11.5	1"-11.5	XX1358581X-16-16
		IFNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX1358581X-20-20
		IFNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX1358581X-24-24
		IFNFN-32-32	2"-11.5	2"-11.5	XX1358581X-32-32
	350	IFNFN-02-04	1/8"-27	1/4"-18	XX1358581X-02-04
	250	IFNFN-02-06	1/8"-27	3/8"-18	XX1358581X-02-06
		IFNFN-04-06	1/4"-18	3/8"-18	XX1358581X-04-06
	225	IFNFN-04-08	1/4"-18	1/2"-14	XX1358581X-04-08
		IFNFN-06-08	3/8"-18	1/2"-14	XX1358581X-06-08
	200	IFNFN-08-12	1/2"-14	3/4"-14	XX1358581X-08-12

Adaptador Macho x Fêmea BSPP com Anel ED



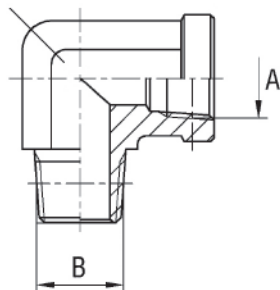
Série	bar	Ref. Comercial	A	B	Código Interno
LEVE / PESADA	630	MFA 1/8X1/4 BSP	1/8"-28	1/4"-19	XX3312731X-02-04
		MFA 1/8X3/8 BSP	1/8"-28	3/8"-19	XX3312731X-02-06
		MFA 1/4X1/8 BSP	1/4"-19	1/8"-28	XX3312731X-04-02
		MFA 1/4X1/4 BSP	1/4"-19	1/4"-19	XX3312731X-04-04
		MFA 1/4X3/8 BSP	1/4"-19	3/8"-19	XX3312731X-04-06
		MFA 1/4X1/2 BSP	1/4"-19	1/2"-14	XX3312731X-04-08
		MFA 1/4X3/4 BSP	1/4"-19	3/4"-14	XX3312731X-04-12
	400	MFA 3/8X1/8 BSP	3/8"-19	1/8"-28	XX3312731X-06-02
		MFA 3/8X1/4 BSP	3/8"-19	1/4"-19	XX3312731X-06-04
	630	MFA 3/8X1/2 BSP	3/8"-19	1/2"-14	XX3312731X-06-08
		MFA 3/8X3/4 BSP	3/8"-19	3/4"-14	XX3312731X-06-12
	400	MFA 1/2X3/8 BSP	1/2"-14	3/8"-19	XX3312731X-08-06
		MFA 1/2X1/8 BSP	1/2"-14	1/8"-28	XX3312731X-08-02
		MFA 1/2X1/4 BSP	1/2"-14	1/4"-19	XX3312731X-08-04
		MFA 1/2X1/2 BSP	1/2"-14	1/2"-14	XX3312731X-08-08
		MFA 1/2X3/4 BSP	1/2"-14	3/4"-14	XX3312731X-08-12
		MFA 1/2X1 BSP	1/2"-14	1"-11	XX3312731X-08-16
		MFA 1/2X1.1/4 BSP	1/2"-14	1.1/4"-11	XX3312731X-08-20
		MFA 3/4X1/4 BSP	3/4"-14	1/4"-19	XX3312731X-12-04
		MFA 3/4X3/8 BSP	3/4"-14	3/8"-19	XX3312731X-12-06
		MFA 3/4X1/2 BSP	3/4"-14	1/2"-14	XX3312731X-12-08
		MFA 3/4X1 BSP	3/4"-14	1"-11	XX3312731X-12-16
		MFA 3/4X1.1/4 BSP	3/4"-14	1.1/4"-11	XX3312731X-12-20
	315	MFA 3/4X1.1/2 BSP	3/4"-14	1.1/2"-11	XX3312731X-12-24
		MFA 1X1/4 BSP	1"-11	1/4"-19	XX3312731X-16-04
	400	MFA 1X3/8 BSP	1"-11	3/8"-19	XX3312731X-16-06
		MFA 1X1/2 BSP	1"-11	1/2"-14	XX3312731X-16-08
		MFA 1X3/4 BSP	1"-11	3/4"-14	XX3312731X-16-12
		MFA 1X1 BSP	1"-11	1"-11	XX3312731X-16-16
	315	MFA 1X1.1/4 BSP	1"-11	1.1/4"-11	XX3312731X-16-20
		MFA 1X1.1/2 BSP	1"-11	1.1/2"-11	XX3312731X-16-24
	400	MFA 1.1/4X1 BSP	1.1/4"-11	1"-11	XX3312731X-20-16
		MFA 1.1/4X1/2 BSP	1.1/4"-11	1/2"-14	XX3312731X-20-08
		MFA 1.1/4X3/4 BSP	1.1/4"-11	3/4"-14	XX3312731X-20-12
	315	MFA 1.1/4X1.1/2 BSP	1.1/4"-11	1.1/2"-11	XX3312731X-20-24
		MFA 1.1/2X1/2 BSP	1.1/2"-11	1/2"-14	XX3312731X-24-08
		MFA 1.1/2X3/4 BSP	1.1/2"-11	3/4"-14	XX3312731X-24-12
		MFA 1.1/2X1 BSP	1.1/2"-11	1"-11	XX3312731X-24-16
		MFA 1.1/2X1.1/4 BSP	1.1/2"-11	1.1/4"-11	XX3312731X-24-20
		MFA 1.1/2X2 BSP	1.1/2"-11	2"-11	XX3312731X-24-32
	200	MFA 2X1 BSP	2"-11	1"-11	XX3312731X-32-16
		MFA 2X1.1/4 BSP	2"-11	1.1/4"-11	XX3312731X-32-20
		MFA 2X1.1/2 BSP	2"-11	1.1/2"-11	XX3312731X-32-24

Adaptador 90° Macho NPTF



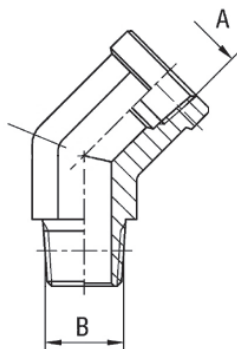
Série	bar	Ref. Comercial	A	Código Interno
UNIVERSAL	350	LMNMN-02-02	1/8"-27	XX2927271X-02-02
		LMNMN-04-04	1/4"-18	XX2927271X-04-04
		LMNMN-06-06	3/8"-18	XX2927271X-06-06
	225	LMNMN-08-08	1/2"-14	XX2927271X-08-08
	200	LMNMN-12-12	3/4"-14	XX2927271X-12-12
	160	LMNMN-16-16	1"-11.5	XX2927271X-16-16
		LMNMN-20-20	1.1/4"-11.5	XX2927271X-20-20
		LMNMN-24-24	1.1/2"-11.5	XX2927271X-24-24
	100	LMNMN-32-32	2"-11.5	XX2927271X-32-32

Adaptador 90° Macho NPTF x Fêmea NPTF



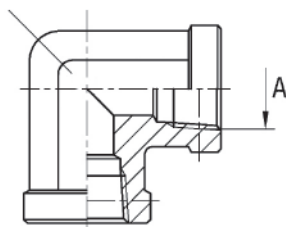
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	LMNFN-02-02	1/8"-27	1/8"-27	XX2927581X-02-02
		LMNFN-04-04	1/4"-18	1/4"-18	XX2927581X-04-04
		LMNFN-06-04	3/8"-18	1/4"-18	XX2927581X-06-04
	250	LMNFN-06-06	3/8"-18	3/8"-18	XX2927581X-06-06
		LMNFN-06-08	3/8"-18	1/2"-14	XX2927581X-06-08
	225	LMNFN-08-08	1/2"-14	1/2"-14	XX2927581X-08-08
	200	LMNFN-12-12	3/4"-14	3/4"-14	XX2927581X-12-12
	160	LMNFN-16-16	1"-11.1/2	1"-11.5	XX2927581X-16-16
		LMNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX2927581X-20-20
		LMNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX2927581X-24-24
	100	LMNFN-32-32	2"-11.5	2"-11.5	XX2927581X-32-32

Adaptador 45° Macho NPTF x Fêmea NPTF



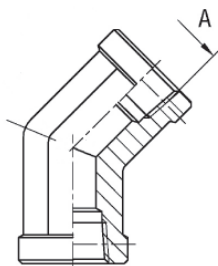
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	VMNFN-02-02	1/8"-27	1/8"-24	XX2627581X-02-02
		VMNFN-04-04	1/4"-18	1/4"-18	XX2627581X-04-04
	250	VMNFN-06-06	3/8"-18	3/8"-18	XX2627581X-06-06
	225	VMNFN-08-08	1/2"-14	1/2"-14	XX2627581X-08-08
	200	VMNFN-12-12	3/4"-14	3/4"-14	XX2627581X-12-12
		VMNFN-16-16	1"-11.5	1"-11.5	XX2627581X-16-16
	160	VMNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX2627581X-20-20
		VMNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX2627581X-24-24
	100	VMNFN-32-32	2"-11.5	2"-11.5	XX2627581X-32-32

Adaptador 90° Fêmea NPTF



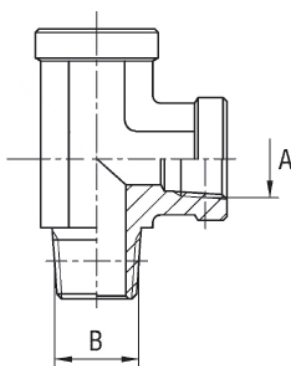
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	LFNFN-02-02	1/8"-27	1/8"-27	XX2958581X-02-02
		LFNFN-04-04	1/4"-18	1/4"-18	XX2958581X-04-04
	250	LFNFN-06-06	3/8"-18	3/8"-18	XX2958581X-06-06
		LFNFN-08-06	1/2"-14	3/8"-18	XX2958581X-08-06
	225	LFNFN-08-08	1/2"-14	1/2"-14	XX2958581X-08-08
		LFNFN-12-12	3/4"-14	3/4"-14	XX2958581X-12-12
	200	LFNFN-16-16	1"-11.5	1"-11.5	XX2958581X-16-16
		LFNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX2958581X-20-20
	160	LFNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX2958581X-24-24
		LFNFN-32-32	2"-11.5	2"-11.5	XX2958581X-32-32

Adaptador 45° Fêmea NPTF



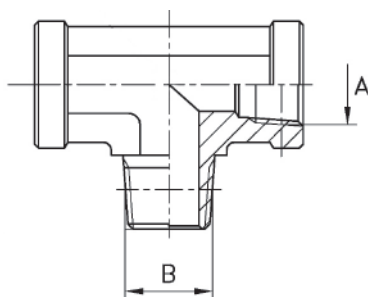
Série	bar	Ref. Comercial	A	Código Interno
UNIVERSAL	350	VFNFN-02-02	1/8"-27	XX2658581X-02-02
		VFNFN-04-04	1/4"-18	XX2658581X-04-04
	250	VFNFN-06-06	3/8"-18	XX2658581X-06-06
	225	VFNFN-08-08	1/2"-14	XX2658581X-08-08
	200	VFNFN-12-12	3/4"-14	XX2658581X-12-12
	160	VFNFN-16-16	1"-11.2	XX2658581X-16-16
		VFNFN-20-20	1.1/4"-11.5	XX2658581X-20-20
		VFNFN-24-24	1.1/2"-11.5	XX2658581X-24-24
	100	VFNFN-32-32	2"-11.5	XX2658581X-32-32

Adaptador TEE Lateral Macho NPTF x Fêmea NPTF



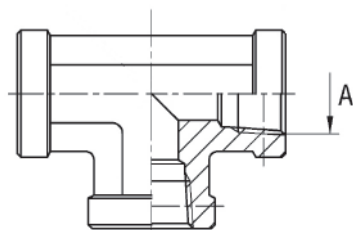
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	TLMNFN-02-02	1/8"-27	1/8"-27	XX1827581X-02-02
		TLMNFN-04-04	1/4"-18	1/4"-18	XX1827581X-04-04
	250	TLMNFN-06-06	3/8"-18	3/8"-18	XX1827581X-06-06
	225	TLMNFN-08-08	1/2"-14	1/2"-14	XX1827581X-08-08
	200	TLMNFN-12-12	3/4"-14	3/4"-14	XX1827581X-12-12
	160	TLMNFN-16-16	1"-11.5	1"-11.5	XX1827581X-16-16
		TLMNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX1827581X-20-20
		TLMNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX1827581X-24-24
	100	TLMNFN-32-32	2"-11.5	2"-11.5	XX1827581X-32-32

Adaptador TEE Macho Central NPTF x Fêmea NPTF



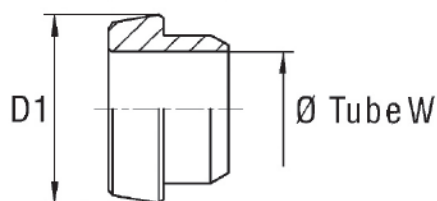
Série	bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	350	TCMNFN-02-02	1/8"-27	1/8"-27	XX1927581X-02-02
		TCMNFN-04-04	1/4"-18	1/4"-18	XX1927581X-04-04
	250	TCMNFN-06-06	3/8"-18	3/8"-18	XX1927581X-06-06
	225	TCMNFN-08-08	1/2"-14	1/2"-14	XX1927581X-08-08
	200	TCMNFN-12-12	3/4"-14	3/4"-14	XX1927581X-12-12
		TCMNFN-16-16	1"-11.5	1"-11.5	XX1927581X-16-16
	160	TCMNFN-20-20	1.1/4"-11.5	1.1/4"-11.5	XX1927581X-20-20
		TCMNFN-24-24	1.1/2"-11.5	1.1/2"-11.5	XX1927581X-24-24
	100	TCMNFN-32-32	2"-11.5	2"-11.5	XX1927581X-32-32

Adaptador TEE Fêmea NPTF



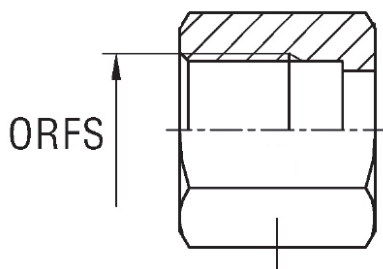
Série	bar	Ref. Comercial	A	Código Interno
UNIVERSAL	350	TFNFN-02-02	1/8"-27	XX1758581X-02-02
		TFNFN-04-04	1/4"-18	XX1758581X-04-04
	250	TFNFN-06-06	3/8"-18	XX1758581X-06-06
	225	TFNFN-08-08	1/2"-14	XX1758581X-08-08
	200	TFNFN-12-12	3/4"-14	XX1758581X-12-12
		TFNFN-16-16	1"-11.5	XX1758581X-16-16
	160	TFNFN-20-20	1.1/4"-11.5	XX1758581X-20-20
		TFNFN-24-24	1.1/2"-11.5	XX1758581X-24-24
	100	TFNFN-32-32	2"-11.5	XX1758581X-32-32

Anilhas ORFS em polegadas para Tubo em polegadas



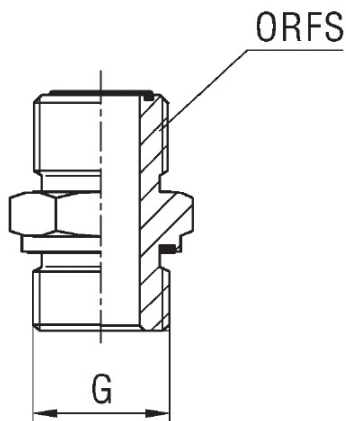
Série	bar	Ref. Comercial	Tubo pol.	Código Interno
UNIVERSAL	630	AA-1/4"-ORFS	1/4"	22010025-0004
		AA-3/8"-ORFS	3/8"	22010025-0006
		AA-1/2"-ORFS	1/2"	22010025-0008
	420	AA-5/8"-ORFS	5/8"	22010025-0010
		AA-3/4"-ORFS	3/4"	22010025-0012
		AA-1"-ORFS	1"	22010025-0016
	280	AA-1.1/4"-ORFS	1.1/4"	22010025-0020
		AA-1.1/2"-ORFS	1.1/2"	22010025-0024
	630	AA-5/16"-ORFS	5/16"	22010025-0005
	420	AA-7/8"-ORFS	7/8"	22010025-0014

Porcas ORFS



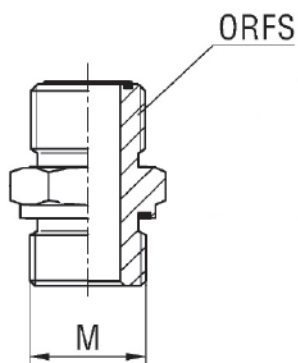
Série	bar	Ref. Comercial	Tubo pol.	ORFS	Código Interno
UNIVERSAL	630	PA-04-ORFS	1/4"	9/16"-18	22020019-0004
		PA-06-ORFS	5/16"-3/8"	11/16"-16	22020019-0006
		PA-08-ORFS	1/2"	13/16"-16	22020019-0008
	420	PA-10-ORFS	5/8"	1"-14	22020019-0010
		PA-12-ORFS	3/4"	1.3/16"-12	22020019-0012
		PA-16-ORFS	7/8"	1.7/16"-12	22020019-0016
	280	PA-20-ORFS	1.1/4"	1.11/16"-12	22020019-0020
		PA-24-ORFS	1.1/2"	2"-12	22020019-0024

Adaptador Macho BSPP Vedação com Anel ED



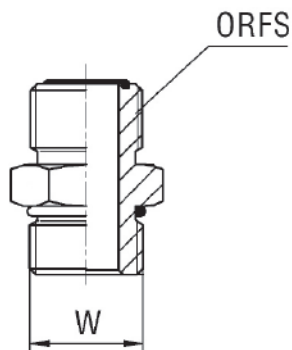
Série	bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	350	IMBMO-02-04	1/8"-28	9/16"-18	XX1312251X-02-04
		IMBMO-04-06	1/4"-19	11/16"-16	XX1312251X-04-06
		IMBMO-06-06	3/8"-19	11/16"-16	XX1312251X-06-06
		IMBMO-06-08	3/8"-19	13/16"-16	XX1312251X-06-08
	420	IMBMO-08-08	1/2"-14	13/16"-16	XX1312251X-08-08
		IMBMO-08-10	1/2"-14	1"-14	XX1312251X-08-10
		IMBMO-10-10	5/8"-14	1"-14	XX1312251X-10-10
		IMBMO-12-12	3/4"-14	1.3/16"-12	XX1312251X-12-12
	280	IMBMO-16-16	1"-11	1.7/16"-12	XX1312251X-16-16
		IMBMO-20-20	1.1/4"-11	1.11/16"-12	XX1312251X-20-20
		IMBMO-24-24	1.1/2"-11	2"-12	XX1312251X-24-24
	630	IMBMO-04-04	1/4"-19	9/16"-18	XX1312251X-04-04
		IMBMO-06-04	3/8"-19	9/16"-18	XX1312251X-06-04
		IMBMO-08-04	1/2"-14	9/16"-18	XX1312251X-08-04
		IMBMO-04-12	1/4"-19	1.3/16"-16	XX1312251X-04-12
	420	IMBMO-08-12	1/2"-14	1.3/16"-16	XX1312251X-08-12
		IMBMO-04-10	1/4"-19	1"-14	XX1312251X-04-10
		IMBMO-06-10	3/8"-19	1"-14	XX1312251X-06-10
		IMBMO-12-06	3/4"-14	11/16"-16	XX1312251X-12-06
		IMBMO-12-08	3/4"-14	13/16"-16	XX1312251X-12-08
		IMBMO-12-10	3/4"-14	1"-14	XX1312251X-12-10
		IMBMO-16-10	1"-11	1"-14	XX1312251X-16-10
		IMBMO-04-12	1/4"-19	1.3/16"-12	XX1312251X-04-12
		IMBMO-08-12	1/2"-14	1.3/16"-12	XX1312251X-08-12
		IMBMO-16-12	1"-11	1.3/16"-12	XX1312251X-16-12
		IMBMO-20-12	1.1/4"-11	1.3/16"-12	XX1312251X-20-12
		IMBMO-12-16	3/4"-14	1.7/16"-12	XX1312251X-12-16
	280	IMBMO-20-16	1.1/4"-11	1.7/16"-12	XX1312251X-20-16
		IMBMO-24-16	1.1/2"-11	1.7/16"-12	XX1312251X-24-16
		IMBMO-16-20	1"-11	1.11/16"-12	XX1312251X-16-20
		IMBMO-24-20	1.1/2"-11	1.11/16"-12	XX1312251X-24-20

Adaptador Macho Métrico Vedação com Anel ED



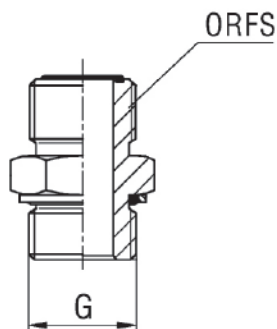
Série	bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	630	IMMMO-12-04	12x1.5	9/16"-18	XX1320251X-12-04
		IMMMO-14-06	14x1.5	11/16"-16	XX1320251X-14-06
		IMMMO-18-08	18x1.5	13/16"-16	XX1320251X-18-08
		IMMMO-22-10	22x1.5	1"-14	XX1320251X-22-10
	420	IMMMO-27-12	27x2	1.3/16"-12	XX1320251X-27-12
		IMMMO-33-16	33x2	1.7/16"-12	XX1320251X-33-16
		IMMMO-42-20	42x2	1.11/16"-12	XX1320251X-42-20
	280	IMMMO-48-24	48x2	2"-12	XX1320251X-48-24
		IMMMO-10-04	10x1	9/16"-18	XX1320251X-10-04
	630	IMMMO-14-04	14x1.5	9/16"-18	XX1320251X-14-04
		IMMMO-12-06	12x1.5	11/16"-16	XX1320251X-12-06
		IMMMO-16-06	16x1.5	11/16"-16	XX1320251X-16-06
		IMMMO-18-06	18x1.5	11/16"-16	XX1320251X-18-06
		IMMMO-14-08	14x1.5	13/16"-16	XX1320251X-14-08
		IMMMO-16-08	16x1.5	13/16"-16	XX1320251X-16-08
		IMMMO-22-08	22x1.5	13/16"-16	XX1320251X-22-08
		IMMMO-18-10	18x1.5	1"-14	XX1320251X-18-10
	420	IMMMO-27-10	27x2	1"-14	XX1320251X-27-10
		IMMMO-22-12	22x1.5	1.3/16"-12	XX1320251X-22-12
		IMMMO-33-12	33x2	1.3/16"-12	XX1320251X-33-12
		IMMMO-27-16	27x2	1.7/16"-12	XX1320251X-27-16
		IMMMO-42-16	42x2	1.7/16"-12	XX1320251X-42-16
		IMMMO-33-20	33x2	1.11/16"-12	XX1320251X-33-20
	280	IMMMO-48-20	48x2	1.11/16"-12	XX1320251X-48-20

Adaptador Macho UNF Vedação com Anel O'ring



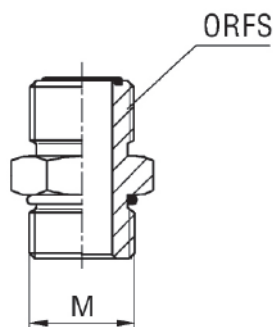
Série	bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	630	IMSMO-04-04	7/16"-20	9/16"-18	XX1328251X-04-04
		IMSMO-06-06	9/16"-18	11/16"-16	XX1328251X-06-06
		IMSMO-08-08	3/4"-16	13/16"-16	XX1328251X-08-08
	420	IMSMO-10-10	7/8"-14	1"-14	XX1328251X-10-10
		IMSMO-12-12	1.1/16"-12	1.3/16"-12	XX1328251X-12-12
		IMSMO-16-16	1.5/16"-12	1.7/16"-12	XX1328251X-16-16
	280	IMSMO-20-20	1.5/8"-12	1.11/16"-12	XX1328251X-20-20
		IMSMO-24-24	1.7/8"-12	2"-12	XX1328251X-24-24
	630	IMSMO-05-04	1/2"-20	9/16"-18	XX1328251X-05-04
		IMSMO-06-04	9/16"-18	9/16"-18	XX1328251X-06-04
		IMSMO-08-04	3/4"-16	9/16"-18	XX1328251X-08-04
		IMSMO-04-06	7/16"-20	11/16"-16	XX1328251X-04-06
		IMSMO-04-08	7/16"-20	13/16"-16	XX1328251X-04-08
		IMSMO-05-06	1/2"-20	11/16"-16	XX1328251X-05-06
		IMSMO-08-06	3/4"-16	11/16"-16	XX1328251X-08-06
		IMSMO-10-06	7/8"-14	11/16"-16	XX1328251X-10-06
	420	IMSMO-12-06	1.1/16"-12	11/16"-16	XX1328251X-12-06
	630	IMSMO-06-08	9/16"-18	13/16"-16	XX1328251X-06-08
		IMSMO-10-08	7/8"-14	13/16"-16	XX1328251X-10-08
	420	IMSMO-12-08	1.1/16"-12	13/16"-16	XX1328251X-12-08
		IMSMO-16-08	1.5/16"-12	13/16"-16	XX1328251X-16-08
		IMSMO-08-10	3/4"-16	1"-14	XX1328251X-08-10
		IMSMO-12-10	1.1/16"-12	1"-14	XX1328251X-12-10
		IMSMO-08-12	3/4"-16	1.3/16"-12	XX1328251X-08-12
		IMSMO-10-12	7/8"-14	1.3/16"-12	XX1328251X-10-12
		IMSMO-10-16	7/8"-14	1.7/16"-12	XX1328251X-10-16
		IMSMO-16-12	1.5/16"-12	1.3/16"-12	XX1328251X-16-12
	280	IMSMO-12-16	1.1/16"-12	1.7/16"-12	XX1328251X-12-16
		IMSMO-16-20	1.5/16"-12	1.11/16"-12	XX1328251X-16-20
		IMSMO-20-16	1.5/8"-12	1.7/16"-12	XX1328251X-20-16
		IMSMO-20-20	1.5/16"-12	1.11/16"-12	XX1328251X-20-20
		IMSMO-24-20	1.7/8"-12	1.11/16"-12	XX1328251X-24-20
		IMSMO-20-24	1.5/8"-12	2"-1	XX1328251X-20-24

Adaptador Macho BSPP Vedação com Anel O'ring



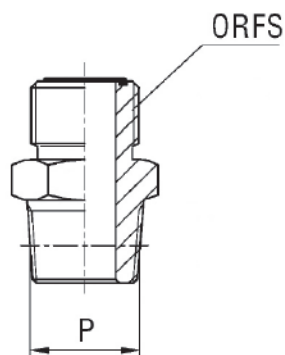
Série	Bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	350	IMBMO-02-04	1/8"-28	9/16"-18	XX1313251X-02-04
	400	IMBMO-04-06	1/4"-19	11/16"-16	XX1313251X-04-06
	350	IMBMO-06-08	3/8"-19	13/16"-16	XX1313251X-06-08
	315	IMBMO-08-10	1/2"-14	1"-14	XX1313251X-08-10
		IMBMO-12-12	3/4"-14	1.3/16"-12	XX1313251X-12-12
	280	IMBMO-16-16	1"-11	1.7/16"-12	XX1313251X-16-16
		IMBMO-20-20	1.1/4"-11	1.11/16"-12	XX1313251X-20-20
	250	IMBMO-24-24	1.1/2"-11	2"-12	XX1313251X-24-24
	400	IMBMO-04-04	1/4"-19	9/16"-18	XX1313251X-04-04
	350	IMBMO-06-04	3/8"-19	9/16"-18	XX1313251X-06-04
	315	IMBMO-08-04	1/2"-14	9/16"-18	XX1313251X-08-04
	350	IMBMO-02-06	1/8"-28	11/16"-16	XX1313251X-02-06
		IMBMO-06-06	3/8"-19	11/16"-16	XX1313251X-06-06
	315	IMBMO-08-06	1/2"-14	11/16"-16	XX1313251X-08-06
		IMBMO-12-06	3/4"-14	11/16"-16	XX1313251X-12-06
	400	IMBMO-04-08	1/4"-19	13/16"-16	XX1313251X-04-08
	315	IMBMO-08-08	1/2"-14	13/16"-16	XX1313251X-08-08
		IMBMO-12-08	3/4"-14	13/16"-16	XX1313251X-12-08
	400	IMBMO-04-10	1/4"-19	1"-14	XX1313251X-04-10
	350	IMBMO-06-10	3/8"-19	1"-14	XX1313251X-06-10
	315	IMBMO-12-10	3/4"-14	1"-14	XX1313251X-12-10
	280	IMBMO-16-10	1"-12	1"-14	XX1313251X-16-10
	400	IMBMO-04-12	1/4"-19	1.3/16"-12	XX1313251X-04-12
	315	IMBMO-08-12	1/2"-14	1.3/16"-12	XX1313251X-08-12
	200	IMBMO-16-12	1"-11	1.3/16"-12	XX1313251X-16-12
		IMBMO-20-12	1.1/4"-11	1.3/16"-12	XX1313251X-20-12
	400	IMBMO-04-16	1/4"-19	1.7/16"-12	XX1313251X-04-16
	315	IMBMO-12-16	3/4"-14	1.7/16"-12	XX1313251X-12-16
	280	IMBMO-20-16	1.1/4"-11	1.7/16"-12	XX1313251X-20-16
	250	IMBMO-24-16	1.1/2"-11	1.7/16"-12	XX1313251X-24-16
	280	IMBMO-16-20	1"-11	1.11/16"-12	XX1313251X-16-20
	250	IMBMO-24-20	1.1/2"-11	1.11/16"-12	XX1313251X-24-20

Adaptador macho Métrico Vedação com Anel O'ring



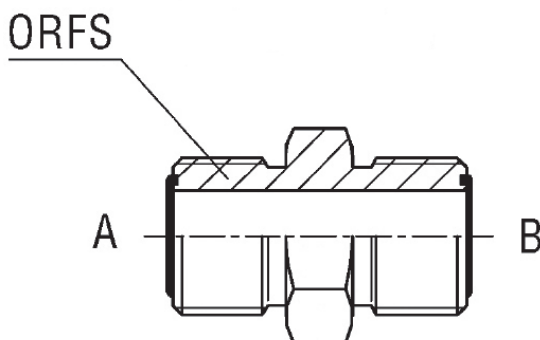
Série	Bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	400	IMMMO-14-04	12x1.5	9/16"-18	XX1321251X-12-04
		IMMMO-14-06	14x1.5	11/16"-16	XX1321251X-14-06
		IMMMO-18-08	18x1.5	13/16"-16	XX1321251X-18-08
	315	IMMMO-22-10	22x1.5	1"-14	XX1321251X-22-10
		IMMMO-27-12	27x2	1.3/16"-12	XX1321251X-27-12
	280	IMMMO-33-16	33x2	1.7/16"-12	XX1321251X-33-16
		IMMMO-42-20	42x2	1.11/16"-12	XX1321251X-42-20
	250	IMMMO-48-24	48x2	2"-12	XX1321251X-48-24
	400	IMMMO-10-04	10x1	9/16"-18	XX1321251X-10-04
		IMMMO-14-04	14x1.5	9/16"-18	XX1321251X-14-04
		IMMMO-12-06	12x1.5	11/16"-16	XX1321251X-12-06
		IMMMO-16-06	16x1.5	11/16"-16	XX1321251X-16-06
		IMMMO-18-04	18x1.5	9/16"-18	XX1321251X-18-04
		IMMMO-18-06	18x1.5	11/16"-16	XX1321251X-18-06
		IMMMO-14-08	14x1.5	13/16"-16	XX1321251X-14-08
		IMMMO-16-08	16x1.5	13/16"-16	XX1321251X-16-08
	315	IMMMO-22-08	22x1.5	13/16"-16	XX1321251X-22-08
	400	IMMMO-18-10	18x1.5	1"-14	XX1321251X-18-10
	315	IMMMO-27-08	27x2	13/16"-16	XX1321251X-27-08
		IMMMO-27-10	27x2	1"-14	XX1321251X-27-10
		IMMMO-22-12	22x1.5	1.3/16"-12	XX1321251X-22-12
	280	IMMMO-33-12	33x2	1.3/16"-12	XX1321251X-33-12
	315	IMMMO-27-16	27x2	1.7/16"-12	XX1321251X-27-16
	280	IMMMO-42-16	42x2	1.7/16"-12	XX1321251X-42-16
		IMMMO-33-20	33x2	1.11/16"-12	XX1321251X-33-20
	250	IMMMO-48-20	48x2	1.11/16"-12	XX1321251X-48-20

Adaptador Reto Macho NPTF



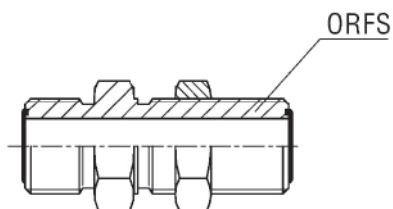
Série	Bar	Ref. Comercial	P	ORFS	Código Interno
UNIVERSAL	420	IMNMO-02-04	1/8"-27	9/16"-18	XX1327251X-02-04
	630	IMNMO-04-06	1/4"-18	11/16"-16	XX1321251X-04-06
		IMNMO-06-08	3/8"-18	13/16"-16	XX1321251X-06-08
	420	IMNMO-08-10	1/2"-14	1"-14	XX1321251X-08-10
		IMNMO-12-12	3/4"-14	1.3/16"-12	XX1321251X-12-12
		IMNMO-16-16	1"-11.5	1.7/16"-12	XX1321251X-16-16
	280	IMNMO-20-20	1.1/4"-11.5	1.11/16"-12	XX1321251X-20-20
		IMNMO-24-24	1.1/2"-11.5	2"-12	XX1321251X-24-24
	630	IMNMO-04-04	1/4"-18	9/16"-18	XX1321251X-04-04
		IMNMO-06-04	3/8"-18	9/16"-18	XX1321251X-06-04
		IMNMO-06-06	3/8"-18	11/16"-16	XX1321251X-06-06
		IMNMO-08-04	1/2"-14	9/16"-18	XX1321251X-08-04
		IMNMO-08-06	1/2"-14	11/16"-16	XX1321251X-08-06
		IMNMO-04-08	1/4"-18	13/16"-16	XX1321251X-04-08
		IMNMO-08-08	1/2"-14	13/16"-16	XX1321251X-08-08
	420	IMNMO-12-08	3/4"-14	13/16"-16	XX1321251X-12-08
		IMNMO-06-10	3/8"-18	1"-14	XX1321251X-06-10
		IMNMO-12-10	3/4"-14	1"-14	XX1321251X-12-10
		IMNMO-08-12	1/2"-14	1.3/16"-12	XX1321251X-08-12
		IMNMO-16-12	1"-11.5	1.3/16"-12	XX1321251X-16-12
		IMNMO-12-16	3/4"-14	1.7/16"-12	XX1321251X-12-16
	280	IMNMO-16-20	1"-11.5	1.11/16"-12	XX1321251X-16-20
		IMNMO-20-24	1.1/4"-11.5	2"-12	XX1321251X-20-24
		IMNMO-24-20	1.1/2"-11.5	1.11/16"-12	XX1321251X-24-20

Adaptador Reto ORFS



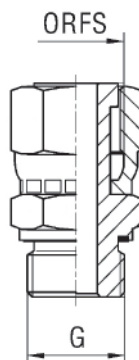
Série	Bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	630	IMOMO-04-04	9/16"-18	9/16"-18	XX1325251X-04-04
		IMOMO-06-06	11/16"-16	11/16"-16	XX1325251X-06-06
		IMOMO-08-08	13/16"-16	13/16"-16	XX1325251X-08-08
	420	IMOMO-10-10	1"-14	1"-14	XX1325251X-10-10
		IMOMO-12-12	1.3/16"-12	1.3/16"-12	XX1325251X-12-12
		IMOMO-16-16	1.7/16"-12	1.7/16"-12	XX1325251X-16-16
	280	IMOMO-20-20	1.11/16"-12	1.11/16"-12	XX1325251X-20-20
		IMOMO-24-24	2"-12	2"-12	XX1325251X-24-24
	630	IMOMO-06-04	11/16"-16	9/16"-18	XX1325251X-06-04
		IMOMO-08-06	13/16"-16	11/16"-16	XX1325251X-08-06
	420	IMOMO-10-08	1"-14	13/16"-16	XX1325251X-10-08
		IMOMO-12-06	1.3/16"-12	11/16"-16	XX1325251X-12-06
		IMOMO-12-08	1.3/16"-12	13/16"-16	XX1325251X-12-08
		IMOMO-12-10	1.3/16"-12	1"-14	XX1325251X-12-10
		IMOMO-16-12	1.7/16"-12	1.3/16"-16	XX1325251X-16-12
	280	IMOMO-20-16	1.11/16"-18	1.7/16"-12	XX1325251X-20-16

Adaptador Reto Macho ORFS Painei



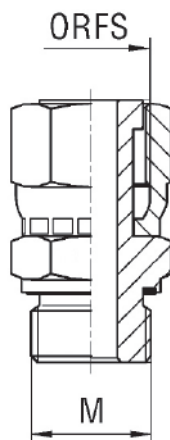
Série	Bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	630	IMOMOP-04-04	9/16"-18	9/16"-18	XX1425251X-04-04
		IMOMOP-06-06	11/16"-16	11/16"-16	XX1425251X-06-06
		IMOMOP-08-08	13/16"-16	13/16"-16	XX1425251X-08-08
	420	IMOMOP-10-10	1"-14	1"-14	XX1425251X-10-10
		IMOMOP-12-12	1.3/16"-12	1.3/16"-12	XX1425251X-12-12
		IMOMOP-16-16	1.7/16"-12	1.7/16"-12	XX1425251X-16-16
	280	IMOMOP-20-20	1.11/16"-12	1.11/16"-12	XX1425251X-20-20
		IMOMOP-24-24	2"-12	2"-12	XX1425251X-24-24

Adaptador Reto Macho BSPP Vedação com Anel ED



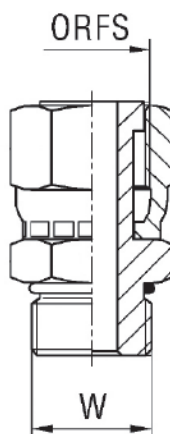
Série	Bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	630	IMBFO-02-04	1/8"-28	9/16"-18	XX1312491X-02-04
		IMBFO-04-06	1/4"-19	11/16"-16	XX1312491X-04-06
		IMBFO-06-08	3/8"-19	13/16"-16	XX1312491X-06-08
	420	IMBFO-08-10	1/2"-14	1"-14	XX1312491X-08-10
		IMBFO-12-12	3/4"-14	1.3/16"-12	XX1312491X-12-12
		IMBFO-16-16	1"-11	1.7/16"-12	XX1312491X-16-16
	280	IMBFO-20-20	1.1/4"-11	1.11/16"-12	XX1312491X-20-20
		IMBFO-24-24	1.1/2"-11	2"-12	XX1312491X-24-24
	630	IMBFO-04-04	1/4"-19	9/16"-18	XX1312491X-04-04
		IMBFO-06-06	3/8"-19	11/16"-16	XX1312491X-06-06
		IMBFO-08-08	1/2"-14	13/16"-16	XX1312491X-08-08
	420	IMBFO-20-12	1.1/4"-11	1.3/16"-12	XX1312491X-20-12

Adaptador Reto Macho Métrico Vedação com Anel ED



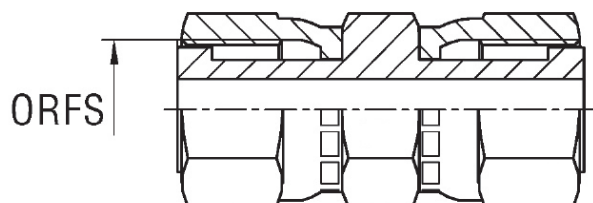
Série	Bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	630	IMMFO-12-04	12x1.5	9/16"-18	XX1320491X-12-04
		IMMFO-14-06	14x1.5	11/16"-16	XX1320491X-14-06
		IMMFO-18-08	18x1.5	13/16"-16	XX1320491X-18-08
	420	IMMFO-22-10	22x1.5	1"-14	XX1320491X-22-10
		IMMFO-27-12	27x2	1.3/16"-12	XX1320491X-27-12
		IMMFO-33-16	33x2	1.7/16"-12	XX1320491X-33-16
	280	IMMFO-42-20	42x2	1.11/16"-12	XX1320491X-42-20
		IMMFO-48-24	48x2	2"-12	XX1320491X-48-24
	350	IMMFO-10-04	10x1	9/16"-18	XX1320491X-10-04
	630	IMMFO-16-06	16x1.5	11/16"-16	XX1320491X-16-06
		IMMFO-16-08	16x1.5	13/16"-16	XX1320491X-16-08
		IMMFO-18-10	18x1.5	1"-14	XX1320491X-18-10
	420	IMMFO-22-12	22x1.5	1.3/16"-12	XX1320491X-22-12
		IMMFO-27-16	27x2	1.7/16"-12	XX1320491X-27-16

Adaptador Reto Macho UNF Vedação com Anel O'ring



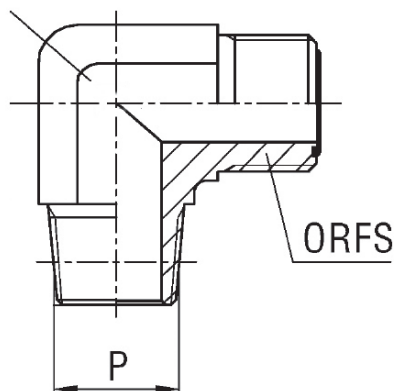
Série	Bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	630	IMSFO-02-04	5/16"-24	9/16"-18	XX1328491X-02-04
		IMSFO-04-04	7/16"-20	9/16"-18	XX1328491X-04-04
		IMSFO-06-04	9/16"-18	9/16"-18	XX1328491X-06-04
		IMSFO-06-06	9/16"-18	11/16"-16	XX1328491X-06-06
		IMSFO-06-08	9/16"-18	13/16"-16	XX1328491X-06-08
		IMSFO-08-06	3/4"-16	13/16"-16	XX1328491X-08-06
	420	IMSFO-10-10	7/8"-14	1"-14	XX1328491X-10-10
		IMSFO-12-12	1.1/16"-12	1.3/16"-12	XX1328491X-12-12
		IMSFO-16-16	1.5/16"-12	1.7/16"-12	XX1328491X-16-16
	280	IMSFO-16-20	1.5/16"-12	1.11/16"-12	XX1328491X-16-20
		IMSFO-20-20	1.5/8"-12	1.11/16"-12	XX1328491X-20-20
		IMSFO-24-24	1.7/8"-12	2"-12	XX1328491X-24-24
	630	IMSFO-04-06	7/16"-20	11/16"-16	XX1328491X-04-06
		IMSFO-08-06	3/4"-16	11/16"-16	XX1328491X-08-06
		IMSFO-10-08	7/8"-14	13/16"-16	XX1328491X-10-08
	420	IMSFO-08-10	3/4"-16	1"-14	XX1328491X-08-10
		IMSFO-12-10	1.1/16"-12	1"-14	XX1328491X-12-10
		IMSFO-10-12	7/8"-14	1.3/16"-12	XX1328491X-10-12
		IMSFO-16-12	1.5/16"-12	1.3/16"-12	XX1328491X-16-12

Adaptador Reto Fêmea ORFS



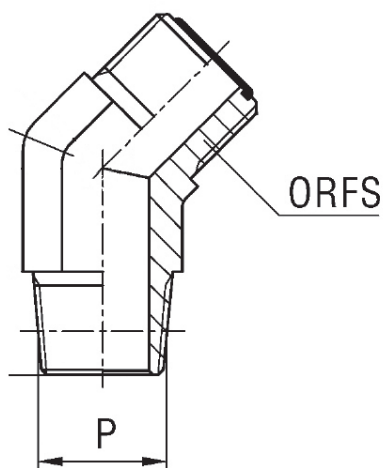
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	IFOFO-04-04	9/16"-18	XX1349491X-04-04
		IFOFO-06-06	11/16"-16	XX1349491X-06-06
		IFOFO-08-08	13/16"-16	XX1349491X-08-08
	420	IFOFO-10-10	1"-14	XX1349491X-10-10
		IFOFO-12-12	1.3/16"-12	XX1349491X-12-12
		IFOFO-16-16	1.7/16"-12	XX1349491X-16-16
	280	IFOFO-20-20	1.11/16"-12	XX1349491X-20-20
		IFOFO-24-24	2"-12	XX1349491X-24-24

Adaptador 90° Macho NPTF



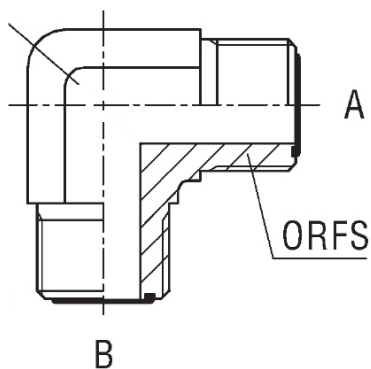
Série	Bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	420	LMNMO-02-04	1/8"-27	9/16"-18	XX2927251X-02-04
	630	LMNMO-04-06	1/4"-18	11/16"-16	XX2927251X-04-06
		LMNMO-06-08	3/8"-18	13/16"-16	XX2927251X-06-08
		LMNMO-08-10	1/2"-14	1"-14	XX2927251X-08-10
	420	LMNMO-12-12	3/4"-14	1.3/16"-12	XX2927251X-12-12
		LMNMO-16-16	1"-11.5	1.7/16"-12	XX2927251X-16-16
	280	LMNMO-20-20	1.1/4"-11.5	1.11/16"-12	XX2927251X-20-20
		LMNMO-24-24	1.1/2"-11.5	2"-12	XX2927251X-24-24
	630	LMNMO-04-04	1/4"-18	9/16"-18	XX2927251X-04-04
		LMNMO-06-04	3/8"-18	9/16"-18	XX2927251X-06-04
		LMNMO-06-06	3/8"-18	11/16"-16	XX2927251X-06-06
		LMNMO-08-06	1/2"-14	11/16"-16	XX2927251X-08-06
		LMNMO-04-08	1/4"-18	13/16"-16	XX2927251X-04-08
		LMNMO-08-08	1/2"-14	13/16"-16	XX2927251X-08-08
	420	LMNMO-12-08	3/4"-14	13/16"-16	XX2927251X-12-08
		LMNMO-06-10	3/8"-18	1"-14	XX2927251X-06-10
		LMNMO-12-10	3/4"-14	1"-14	XX2927251X-12-10
		LMNMO-08-12	1/2"-14	1.3/16"-12	XX2927251X-08-12
		LMNMO-16-12	1"-11.5	1.3/16"-12	XX2927251X-16-12
		LMNMO-12-16	3/4"-14	1.7/16"-12	XX2927251X-12-16
	280	LMNMO-16-20	1"-11.5	1.11/16"-12	XX2927251X-16-20
		LMNMO-20-24	1.1/4"-11.5	2"-12	XX2927251X-20-24

Adaptador 45° Macho NPTF



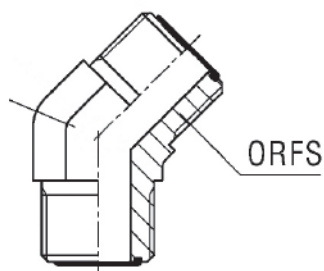
Série	Bar	Ref. Comercial	P	ORFS	Código Interno
UNIVERSAL	420	VMNMO-02-04	1/8"-27	9/16"-18	XX2627251X-02-04
	630	VMNMO-04-06	1/4"-18	11/16"-16	XX2627251X-04-06
		VMNMO-06-08	3/8"-18	13/16"-16	XX2627251X-06-08
		VMNMO-08-10	1/2"-14	1"-14	XX2627251X-08-10
	420	VMNMO-12-12	3/4"-14	1.3/16"-12	XX2627251X-12-12
		VMNMO-16-16	1"-11.5	1.7/16"-12	XX2627251X-16-16
	280	VMNMO-20-20	1.1/4"-11.5	1.11/16"-12	XX2627251X-20-20
		VMNMO-24-24	1.1/2"-11.5	2"-12	XX2627251X-24-24
	630	VMNMO-04-04	1/4"-18	9/16"-18	XX2627251X-04-04
		VMNMO-06-04	3/8"-18	9/16"-18	XX2627251X-06-04
		VMNMO-06-06	3/8"-18	11/16"-16	XX2627251X-06-06
		VMNMO-08-06	1/2"-14	11/16"-16	XX2627251X-08-06
		VMNMO-04-08	1/4"-18	13/16"-16	XX2627251X-04-08
		VMNMO-08-08	1/2"-14	13/16"-16	XX2627251X-08-08
	420	VMNMO-12-08	3/4"-14	13/16"-16	XX2627251X-12-08
		VMNMO-06-10	3/8"-18	1"-14	XX2627251X-06-10
		VMNMO-12-10	3/4"-14	1"-14	XX2627251X-12-10
		VMNMO-08-12	1/2"-14	1.3/16"-12	XX2627251X-08-12
		VMNMO-16-12	1"-11.5	1.3/16"-12	XX2627251X-16-12
		VMNMO-12-16	3/4"-14	1.7/16"-12	XX2627251X-12-16
	280	VMNMO-16-20	1"-11.5	1.11/16"-12	XX2627251X-16-20
		VMNMO-20-24	1.1/4"-11.5	2"-12	XX2627251X-20-24

Adaptador 90° ORFS



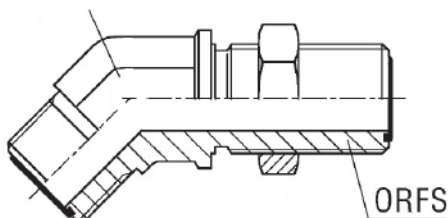
Série	Bar	Ref. Comercial	A	B	Código Interno
UNIVERSAL	630	LMOMO-04-04	9/16"-18	9/16"-18	XX2925251X-04-04
		LMOMO-06-06	11/16"-16	11/16"-16	XX2925251X-06-06
		LMOMO-08-08	13/16"-16	13/16"-16	XX2925251X-08-08
	420	LMOMO-10-10	1"-14	1"-14	XX2925251X-10-10
		LMOMO-12-12	1.3/16"-12	1.3/16"-12	XX2925251X-12-12
		LMOMO-16-16	1.7/16"-12	1.7/16"-12	XX2925251X-16-16
	280	LMOMO-20-20	1.11/16"-12	1.11/16"-12	XX2925251X-20-20
		LMOMO-24-24	2"-12	2"-12	XX2925251X-24-24
	630	LMOMO-06-04	11/16"-16	9/16"-18	XX2925251X-06-04
		LMOMO-08-06	13/16"-16	11/16"-16	XX2925251X-08-06
	420	LMOMO-10-08	1"-14	13/16"-16	XX2925251X-10-08
		LMOMO-12-06	1.3/16"-12	11/16"-16	XX2925251X-12-06
		LMOMO-12-08	1.3/16"-12	13/16"-16	XX2925251X-12-08
		LMOMO-12-10	1.3/16"-12	1"-14	XX2925251X-12-10
		LMOMO-12-16	1.3/16"-12	1.7/16"-12	XX2925251X-12-16
		LMOMO-16-10	1.7/16"-12	1"-14	XX2925251X-16-10
		LMOMO-16-12	1.7/16"-12	1.3/16"-16	XX2925251X-16-12
	280	LMOMO-20-16	1.11/16"-18	1.7/16"-12	XX2925251X-20-16

Adaptador 45° ORFS



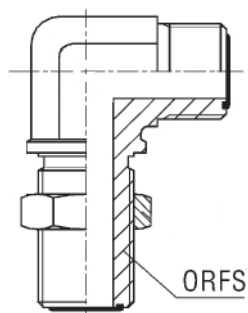
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	VMOMO-04-04	9/16"-18	XX2625251X-04-04
		VMOMO-06-06	11/16"-16	XX2625251X-06-06
		VMOMO-08-08	13/16"-16	XX2625251X-08-08
	420	VMOMO-10-10	1"-14	XX2625251X-10-10
		VMOMO-12-12	1.3/16"-12	XX2625251X-12-12
		VMOMO-16-16	1.7/16"-12	XX2625251X-16-16
	280	VMOMO-20-20	1.11/16"-12	XX2625251X-20-20
		VMOMO-24-24	2"-12	XX2625251X-24-24

Adaptador 45° ORFS Painel



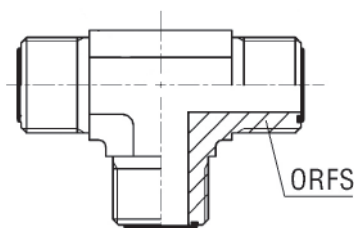
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	VMOMOP-04-04	9/16"-18	XX4725251X-04-04
		VMOMOP-06-06	11/16"-16	XX4725251X-06-06
		VMOMOP-08-08	13/16"-16	XX4725251X-08-08
	420	VMOMOP-10-10	1"-14	XX4725251X-10-10
		VMOMOP-12-12	1.3/16"-12	XX4725251X-12-12
		VMOMOP-16-16	1.7/16"-12	XX4725251X-16-16
	280	VMOMOP-20-20	1.11/16"-12	XX4725251X-20-20
		VMOMOP-24-24	2"-12	XX4725251X-24-24

Adaptador 90° ORFS Painel



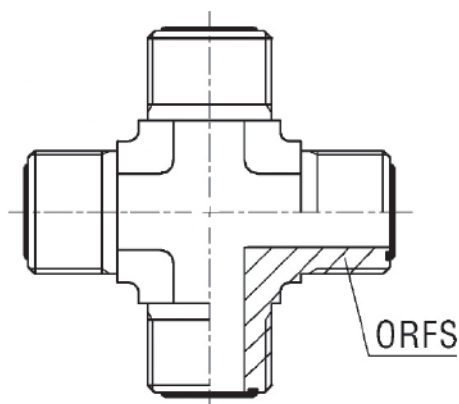
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	LMOMOP-04-04	9/16"-18	XX3125251X-04-04
		LMOMOP-06-06	11/16"-16	XX3125251X-06-06
		LMOMOP-08-08	13/16"-16	XX3125251X-08-08
	420	LMOMOP-10-10	1"-14	XX3125251X-10-10
		LMOMOP-12-12	1.3/16"-12	XX3125251X-12-12
		LMOMOP-16-16	1.7/16"-12	XX3125251X-16-16
	280	LMOMOP-20-20	1.11/16"-12	XX3125251X-20-20
		LMOMOP-24-24	2"-12	XX3125251X-24-24

Adaptador TEE Macho ORFS



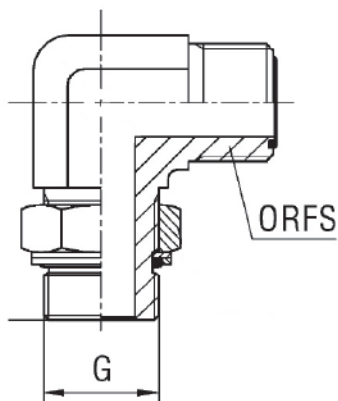
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	TMOMO-04-04	9/16"-18	XX1725251X-04-04
		TMOMO-06-06	11/16"-16	XX1725251X-06-06
		TMOMO-08-08	13/16"-16	XX1725251X-08-08
	420	TMOMO-10-10	1"-14	XX1725251X-10-10
		TMOMO-12-12	1.3/16"-12	XX1725251X-12-12
		TMOMO-16-16	1.7/16"-12	XX1725251X-16-16
	280	TMOMO-20-20	1.11/16"-12	XX1725251X-20-20
		TMOMO-24-24	2"-12	XX1725251X-24-24

Adaptador Cruzeta Macho ORFS



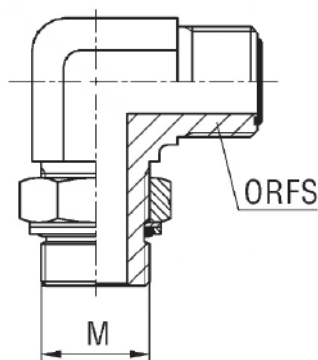
Série	Bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	TMOMO-04-04	9/16"-18	XX2825251X-04-04
		TMOMO-06-06	11/16"-16	XX2825251X-06-06
		TMOMO-08-08	13/16"-16	XX2825251X-08-08
	420	TMOMO-10-10	1"-14	XX2825251X-10-10
		TMOMO-12-12	1.3/16"-12	XX2825251X-12-12
		TMOMO-16-16	1.7/16"-12	XX2825251X-16-16
	280	TMOMO-20-20	1.11/16"-12	XX2825251X-20-20
		TMOMO-24-24	2"-12	XX2825251X-24-24

Adaptador 90° BSPP Macho Orientável



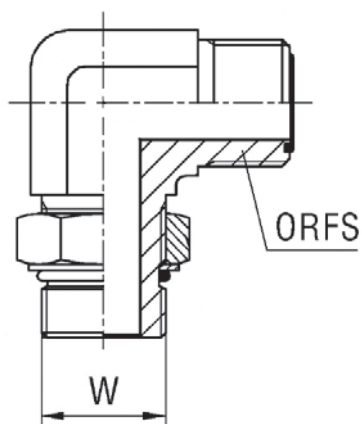
Série	Bar	Ref. Comercial	G	ORFS	Código Interno
-UNIVERSAL	350	LMBOMO-02-04	1/8"-28	9/16"-18	XX3014251X-02-04
	315	LMBOMO-04-06	1/4"-19	11/16"-16	XX3014251X-04-06
	250	LMBOMO-06-08	3/8"-19	13/16"-16	XX3014251X-06-08
		LMBOMO-08-10	1/2"-14	1"-14	XX3014251X-08-10
		LMBOMO-12-12	3/4"-14	1.3/16"-12	XX3014251X-12-12
	200	LMBOMO-16-16	1"-11	1.7/16"-12	XX3014251X-16-16
		LMBOMO-20-20	1.1/4"-11	1.11/16"-12	XX3014251X-20-20
	160	LMBOMO-24-24	1.1/2"-11	2"-12	XX3014251X-24-24
	315	LMBOMO-04-04	1/4"-19	9/16"-18	XX3014251X-04-04
	250	LMBOMO-06-04	3/8"-19	9/16"-18	XX3014251X-06-04
		LMBOMO-06-06	3/8"-19	11/16"-16	XX3014251X-06-06
		LMBOMO-08-06	1/2"-14	11/16"-16	XX3014251X-08-06
	315	LMBOMO-04-08	1/4"-19	13/16"-16	XX3014251X-04-08
	250	LMBOMO-08-08	1/2"-14	13/16"-16	XX3014251X-08-08
		LMBOMO-12-08	3/4"-14	13/16"-16	XX3014251X-12-08
	315	LMBOMO-04-10	1/4"-19	1"-14	XX3014251X-04-10
	250	LMBOMO-06-10	3/8"-19	1"-14	XX3014251X-06-10
		LMBOMO-12-10	3/4"-14	1"-14	XX3014251X-12-10
	200	LMBOMO-16-10	1"-11	1"-14	XX3014251X-16-10
	315	LMBOMO-04-12	1/4"-19	1.3/16"-12	XX3014251X-04-12
	250	LMBOMO-08-12	1/2"-14	1.3/16"-12	XX3014251X-08-12
	200	LMBOMO-16-12	1"-11	1.3/16"-12	XX3014251X-16-12
	315	LMBOMO-04-16	1/4"-19	1.7/16"-12	XX3014251X-04-16
	250	LMBOMO-12-16	3/4"-14	1.7/16"-12	XX3014251X-12-16
	200	LMBOMO-20-16	1.1/4"-11	1.7/16"-12	XX3014251X-20-16
		LMBOMO-16-20	1"-11	1.11/16"-12	XX3014251X-16-20
	160	LMBOMO-24-24	1.1/2"-11	1.11/16"-12	XX3014251X-24-24

Adaptador 90° Métrico Macho Orientável



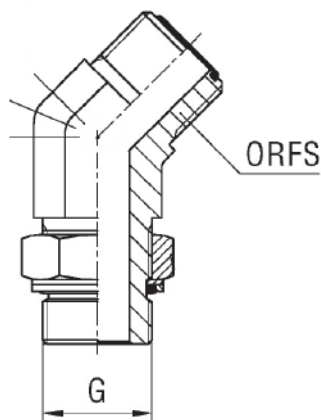
Série	Bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	315	LMMOMO-12-04	12x1.5	9/16"-18	XX3022251X-12-04
		LMMOMO-14-04	14x1.5	9/16"-18	XX3022251X-14-04
		LMMOMO-14-06	14x1.5	11/16"-16	XX3022251X-14-06
		LMMOMO-18-08	18x1.5	13/16"-16	XX3022251X-18-08
	250	LMMOMO-22-10	22x1.5	1"-14	XX3022251X-22-10
		LMMOMO-27-12	27x2	1.3/16"-12	XX3022251X-27-12
	160	LMMOMO-33-16	33x2	1.7/16"-12	XX3022251X-33-16
		LMMOMO-42-20	42x2	1.11/16"-12	XX3022251X-42-20
		LMMOMO-48-24	48x2	2"-12	XX3022251X-48-24
	315	LMMOMO-10-04	10x1	9/16"-18	XX3022251X-10-04
		LMMOMO-16-06	16x1.5	11/16"-16	XX3022251X-16-06
		LMMOMO-16-08	16x1.5	13/16"-16	XX3022251X-16-08
	250	LMMOMO-22-08	22x1.5	13/16"-16	XX3022251X-22-08
	315	LMMOMO-18-10	18x1.5	1"-14	XX3022251X-18-10
	250	LMMOMO-27-10	27x2	1"-14	XX3022251X-27-10
		LMMOMO-22-12	22x1.5	1. 3/16"-12	XX3022251X-22-12
	160	LMMOMO-33-12	33x2	1.3/16"-12	XX3022251X-33-12
	250	LMMOMO-27-16	27x2	1.7/16"-12	XX3022251X-27-16
	160	LMMOMO-42-16	42x2	1.7/16"-12	XX3022251X-42-16
		LMMOMO-48-20	48x2	1.11/16"-12	XX3022251X-48-20

Adaptador 90° UNF Macho Orientável



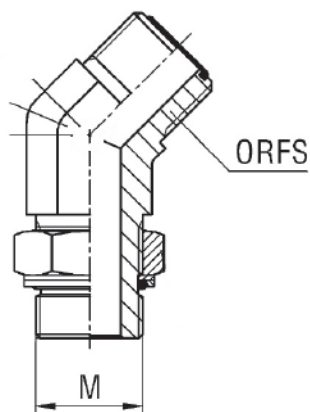
Série	Bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	420	LMSOMO-04-04	7/16"-20	9/16"-18	XX3033251X-04-04
		LMSOMO-06-06	9/16"-18	11/16"-16	XX3033251X-06-06
		LMSOMO-08-08	3/4"-16	13/16"-16	XX3033251X-08-08
		LMSOMO-10-10	7/8"-14	1"-14	XX3033251X-10-10
		LMSOMO-12-12	1.1/16"-12	1.3/16"-12	XX3033251X-12-12
	380	LMSOMO-16-16	1.5/16"-12	1.7/16"-12	XX3033251X-16-16
	280	LMSOMO-20-20	1.5/8"-12	1.11/16"-12	XX3033251X-20-20
		LMSOMO-24-24	1.7/8"-12	2"-12	XX3033251X-24-24
		LMSOMO-04-08	7/16"-20	13/16"-16	XX3033251X-04-08
	420	LMSOMO-06-04	9/16"-18	9/16"-18	XX3033251X-06-04
		LMSOMO-08-04	3/4"-16	9/16"-18	XX3033251X-08-04
		LMSOMO-04-06	7/16"-20	11/16"-16	XX3033251X-04-06
		LMSOMO-08-06	3/4"-16	11/16"-16	XX3033251X-08-06
		LMSOMO-10-06	7/8"-14	11/16"-16	XX3033251X-10-06
		LMSOMO-12-06	1.1/16"-12	11/16"-16	XX3033251X-12-06
		LMSOMO-06-08	9/16"-18	13/16"-16	XX3033251X-06-08
		LMSOMO-10-08	7/8"-14	13/16"-16	XX3033251X-10-08
		LMSOMO-12-08	1.1/16"-12	13/16"-16	XX3033251X-12-08
		LMSOMO-08-10	3/4"-16	1"-14	XX3033251X-08-10
		LMSOMO-12-10	1.1/16"-12	1"-14	XX3033251X-12-10
		LMSOMO-08-12	3/4"-16	1.3/16"-12	XX3033251X-08-12
		LMSOMO-10-12	7/8"-14	1.3/16"-12	XX3033251X-10-12
	380	LMSOMO-16-12	1.5/16"-12	1.3/16"-12	XX3033251X-16-12
	420	LMSOMO-12-16	1.1/16"-12	1.7/16"-12	XX3033251X-12-16
	280	LMSOMO-20-16	1.5/8"-12	1.7/16"-12	XX3033251X-20-16
		LMSOMO-16-20	1.5/16"-12	1.11/16"-12	XX3033251X-16-20
		LMSOMO-24-20	1.7/8"-12	1.11/16"-12	XX3033251X-24-20
		LMSOMO-20-24	1.5/8"-12	2"-12	XX3033251X-20-24

Adaptador 45° BSPP Macho Orientável



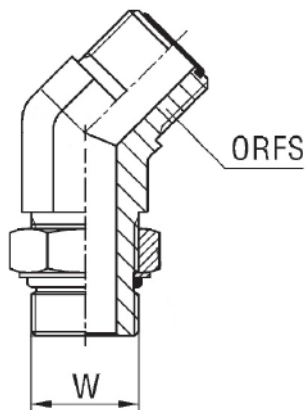
Série	Bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	350	VMBOMO-02-04	1/8"-28	9/16"-18	XX2714251X-02-04
	315	VMBOMO-04-06	1/4"-19	11/16"-16	XX2714251X-04-05
	250	VMBOMO-06-08	3/8"-19	13/16"-16	XX2714251X-04-06
		VMBOMO-08-10	1/2"-14	1"-14	XX2714251X-06-08
		VMBOMO-12-12	3/4"-14	1.3/16"-12	XX2714251X-08-10
	200	VMBOMO-16-16	1"-11	1.7/16"-12	XX2714251X-12-12
		VMBOMO-20-20	1.1/4"-11	1.11/16"-12	XX2714251X-16-16
	160	VMBOMO-24-24	1.1/2"-11	2"-12	XX2714251X-20-20
	315	VMBOMO-04-04	1/4"-19	9/16"-18	XX2714251X-24-24
	250	VMBOMO-06-04	3/8"-19	9/16"-18	XX2714251X-04-04
		VMBOMO-06-06	3/8"-19	11/16"-16	XX2714251X-06-04
		VMBOMO-08-06	1/2"-14	11/16"-16	XX2714251X-08-04
	315	VMBOMO-04-08	1/4"-19	13/16"-16	XX2714251X-02-05
	250	VMBOMO-08-08	1/2"-14	13/16"-16	XX2714251X-06-05
		VMBOMO-12-08	3/4"-14	13/16"-16	XX2714251X-06-06
	315	VMBOMO-04-10	1/4"-19	1"-14	XX2714251X-08-06
	250	VMBOMO-06-10	3/8"-19	1"-14	XX2714251X-04-08
		VMBOMO-12-10	3/4"-14	1"-14	XX2714251X-08-08
	200	VMBOMO-16-10	1"-11	1"-14	XX2714251X-12-08
	315	VMBOMO-04-12	1/4"-19	1.3/16"-12	XX2714251X-06-10
	250	VMBOMO-08-12	1/2"-14	1.3/16"-12	XX2714251X-12-10
	200	VMBOMO-16-12	1"-11	1.3/16"-12	XX2714251X-08-12
	315	VMBOMO-04-16	1/4"-19	1.7/16"-12	XX2714251X-16-12
	250	VMBOMO-12-16	3/4"-11	1.7/16"-12	XX2714251X-12-16
	200	VMBOMO-20-16	1.1/4"-11	1.7/16"-12	XX2714251X-20-16
		VMBOMO-16-20	1"-11	1.11/16"-12	XX2714251X-16-20
	160	VMBOMO-24-20	1.1/2"-11	1.11/16"-12	XX2714251X-20-24

Adaptador 45° Métrico Macho Orientável



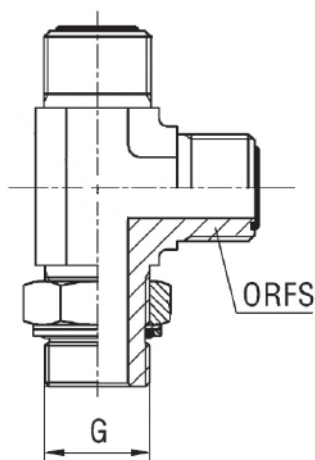
Série	Bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	315	VMMOMO-12-04	12x1.5	9/16"-18	XX2722251X-12-04
		VMMOMO-14-06	14x1.5	11/16"-16	XX2722251X-14-06
		VMMOMO-18-08	18x1.5	13/16"-16	XX2722251X-18-08
	250	VMMOMO-22-10	22x1.5	1"-14	XX2722251X-22-10
		VMMOMO-27-12	27x2	1.3/16"-12	XX2722251X-27-12
		VMMOMO-33-16	33x2	1.7/16"-12	XX2722251X-33-16
	160	VMMOMO-42-20	42x2	1.11/16"-12	XX2722251X-42-20
		VMMOMO-48-24	48x2	2"-12	XX2722251X-48-24
	315	VMMOMO-10-04	10x1	9/16"-18	XX2722251X-10-04
		VMMOMO-16-06	16x1.5	11/16"-16	XX2722251X-16-06
		VMMOMO-16-08	16x1.5	13/16"-16	XX2722251X-16-08
	250	VMMOMO-22-08	22x1.5	13/16"-16	XX2722251X-22-08
	315	VMMOMO-18-10	18x1.5	1"-14	XX2722251X-18-10
	250	VMMOMO-27-10	27x2	1"-14	XX2722251X-27-10
		VMMOMO-22-12	22x1.5	1.3/16"-12	XX2722251X-22-12
	160	VMMOMO-33-12	33x2	1.3/16"-12	XX2722251X-33-12
	250	VMMOMO-27-16	27x2	1.7/16"-12	XX2722251X-27-16
	160	VMMOMO-42-16	42x2	1.7/16"-12	XX2722251X-42-16
		VMMOMO-48-20	48x2	1.11/16"-12	XX2722251X-48-20

Adaptador 45° UNF Macho Orientável



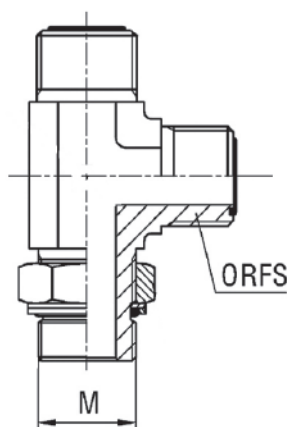
Série	Bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	420	VMSOMO-04-04	7/16"-20	9/16"-18	XX2733251X-04-04
		VMSOMO-06-06	9/16"-18	11/16"-16	XX2733251X-06-06
		VMSOMO-08-08	3/4"-16	13/16"-16	XX2733251X-08-08
		VMSOMO-10-10	7/8"-14	1"-14	XX2733251X-10-10
		VMSOMO-12-12	1.1/16"-12	1.3/16"-12	XX2733251X-12-12
	380	VMSOMO-16-16	1.5/16"-12	1.7/16"-12	XX2733251X-16-16
	280	VMSOMO-20-20	1.5/8"-12	1.11/16"-12	XX2733251X-20-20
		VMSOMO-24-24	1.7/8"-12	2"-12	XX2733251X-24-24
	420	VMSOMO-06-04	9/16"-18	9/16"-18	XX2733251X-06-04
		VMSOMO-08-04	3/4"-16	9/16"-18	XX2733251X-08-04
		VMSOMO-04-06	7/16"-20	11/16"-16	XX2733251X-04-06
		VMSOMO-08-06	3/4"-16	11/16"-16	XX2733251X-08-06
		VMSOMO-10-06	7/8"-14	11/16"-16	XX2733251X-10-06
		VMSOMO-12-06	1.1/16"-12	11/16"-16	XX2733251X-12-06
		VMSOMO-06-08	9/16"-18	13/16"-16	XX2733251X-06-08
		VMSOMO-10-08	7/8"-14	13/16"-16	XX2733251X-10-08
		VMSOMO-12-08	1.1/16"-12	13/16"-16	XX2733251X-12-08
		VMSOMO-08-10	3/4"-16	1"-14	XX2733251X-08-10
		VMSOMO-12-10	1.1/16"-12	1"-14	XX2733251X-12-10
		VMSOMO-08-12	3/4"-16	1.3/16"-12	XX2733251X-08-12
		VMSOMO-10-12	7/8"-14	1.3/16"-12	XX2733251X-10-12
	380	VMSOMO-16-12	1.5/16"-12	1.3/16"-12	XX2733251X-16-12
	420	VMSOMO-12-16	1.1/16"-12	1.7/16"-12	XX2733251X-12-16
	280	VMSOMO-20-16	1.5/8"-12	1.7/16"-12	XX2733251X-20-16
		VMSOMO-16-20	1.5/16"-12	1.11/16"-12	XX2733251X-16-20
		VMSOMO-24-20	1.7/8"-12	1.11/16"-12	XX2733251X-24-20
		VMSOMO-20-24	1.5/8"-12	2"-12	XX2733251X-20-24

Adaptador TEE lateral Macho Orientável BSPP



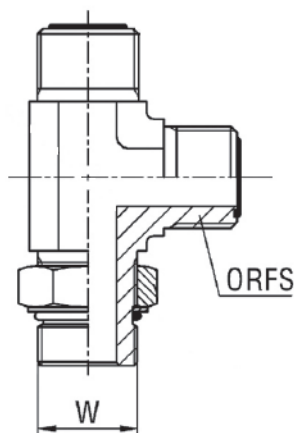
Série	bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	350	TLMSOMO-02-04	1/8"-28	9/16"-18	XX2214251X-02-04
	315	TLMSOMO-04-06	1/4"-19	11/16"-16	XX2214251X-04-06
	250	TLMSOMO-06-08	3/8"-19	13/16"-16	XX2214251X-06-08
		TLMSOMO-08-10	1/2"-14	1"-14	XX2214251X-08-10
		TLMSOMO-12-12	3/4"-14	1.3/16"-12	XX2214251X-12-12
	200	TLMSOMO-16-16	1"-11	1.7/16"-12	XX2214251X-16-16
		TLMSOMO-20-20	1.1/4"-11	1.11/16"-12	XX2214251X-20-20
	160	TLMSOMO-24-24	1.1/2"-11	2"-12	XX2214251X-24-24
	315	TLMSOMO-04-04	1/4"-19	9/16"-18	XX2214251X-04-04
	250	TLMSOMO-06-04	3/8"-19	9/16"-18	XX2214251X-06-04
		TLMSOMO-06-06	3/8"-19	11/16"-16	XX2214251X-06-06
		TLMSOMO-08-06	1/2"-14	11/16"-16	XX2214251X-08-06
	315	TLMSOMO-04-08	1/4"-19	13/16"-16	XX2214251X-04-08
	250	TLMSOMO-08-08	1/2"-14	13/16"-16	XX2214251X-08-08
		TLMSOMO-12-08	3/4"-14	13/16"-16	XX2214251X-12-08
	315	TLMSOMO-04-10	1/4"-19	1"-14	XX2214251X-04-10
	250	TLMSOMO-06-10	3/8"-19	1"-14	XX2214251X-06-10
		TLMSOMO-12-10	3/4"-14	1"-14	XX2214251X-12-10
	200	TLMSOMO-16-10	1"-11	1"-14	XX2214251X-16-10
	315	TLMSOMO-04-12	1/4"-19	1.3/16"-12	XX2214251X-04-12
	250	TLMSOMO-08-12	1/2"-14	1.3/16"-12	XX2214251X-08-12
	200	TLMSOMO-16-12	1"-11	1.3/16"-12	XX2214251X-16-12
	315	TLMSOMO-04-16	1/4"-19	1.7/16"-12	XX2214251X-04-16
	250	TLMSOMO-12-16	3/4"-14	1.7/16"-12	XX2214251X-12-16
	200	TLMSOMO-20-16	1.1/4"-11	1.7/16"-12	XX2214251X-20-16
		TLMSOMO-16-20	1"-11	1.11/16"-12	XX2214251X-16-20
	160	TLMSOMO-24-20	1.1/2"-11	1.11/16"-12	XX2214251X-24-20

Adaptador TEE lateral Macho Orientável Métrico



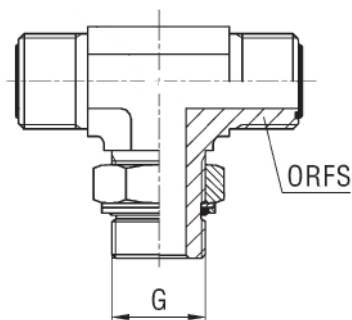
Série	bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	315	TLMMOMO-12-04	12x1.5	9/16"-18	XX2222251X-12-04
		TLMMOMO-14-06	14x1.5	11/16"-16	XX2222251X-14-06
		TLMMOMO-18-08	18x1.5	13/16"-16	XX2222251X-18-08
	250	TLMMOMO-22-10	22x1.5	1"-14	XX2222251X-22-10
		TLMMOMO-27-12	27x2	1.3/16"-12	XX2222251X-27-12
	160	TLMMOMO-33-16	33x2	1.7/16"-12	XX2222251X-33-16
		TLMMOMO-42-20	42x2	1.11/16"-12	XX2222251X-42-20
		TLMMOMO-48-24	48x2	2"-12	XX2222251X-48-24
	315	TLMMOMO-10-04	10x1	9/16"-18	XX2222251X-10-04
		TLMMOMO-16-06	16x1.5	11/16"-16	XX2222251X-16-06
		TLMMOMO-16-08	16x1.5	13/16"-16	XX2222251X-16-08
	250	TLMMOMO-22-08	22x1.5	13/16"-16	XX2222251X-22-08
	315	TLMMOMO-18-10	18x1.5	1"-14	XX2222251X-18-10
	250	TLMMOMO-27-10	27x2	1"-14	XX2222251X-27-10
		TLMMOMO-22-12	22x1.5	1.3/16"-12	XX2222251X-22-12
	160	TLMMOMO-33-12	33x2	1.3/16"-12	XX2222251X-33-12
	250	TLMMOMO-27-16	27x2	1.7/16"-12	XX2222251X-27-16
	160	TLMMOMO-42-16	42x2	1.7/16"-12	XX2222251X-42-16
		TLMMOMO-48-20	48x2	1.11/16"-12	XX2222251X-48-20

Adaptador TEE Lateral Macho Orientável UNF



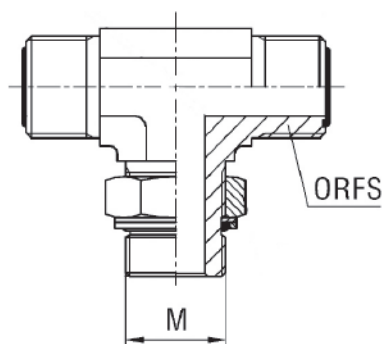
Série	bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	420	TLMSOMO-04-04	7/16"-20	9/16"-18	XX2233251X-04-04
		TLMSOMO-06-06	9/16"-18	11/16"-16	XX2233251X-06-06
		TLMSOMO-08-08	3/4"-16	13/16"-16	XX2233251X-08-08
		TLMSOMO-10-10	7/8"-14	1"-14	XX2233251X-10-10
		TLMSOMO-12-12	1.1/16"-12	1.3/16"-12	XX2233251X-12-12
	380	TLMSOMO-16-16	1.5/16"-12	1.7/16"-12	XX2233251X-16-16
	280	TLMSOMO-20-20	1.5/8"-12	1.11/16"-12	XX2233251X-20-20
		TLMSOMO-24-24	1.7/8"-12	2"-12	XX2233251X-24-24
	420	TLMSOMO-06-04	9/16"-18	9/16"-18	XX2233251X-06-04
		TLMSOMO-08-04	3/4"-16	9/16"-18	XX2233251X-08-04
		TLMSOMO-04-06	7/16"-20	11/16"-16	XX2233251X-04-06
		TLMSOMO-08-06	3/4"-16	11/16"-16	XX2233251X-08-06
		TLMSOMO-10-06	7/8"-14	11/16"-16	XX2233251X-10-06
		TLMSOMO-12-06	1.1/16"-12	11/16"-16	XX2233251X-12-06
		TLMSOMO-06-08	9/16"-18	13/16"-16	XX2233251X-06-08
		TLMSOMO-10-08	7/8"-14	13/16"-16	XX2233251X-10-08
		TLMSOMO-12-08	1.1/16"-12	13/16"-16	XX2233251X-12-08
		TLMSOMO-08-10	3/4"-16	1"-14	XX2233251X-08-10
		TLMSOMO-12-10	1.1/16"-12	1"-14	XX2233251X-12-10
		TLMSOMO-08-12	3/4"-16	1.3/16"-12	XX2233251X-08-12
		TLMSOMO-10-12	7/8"-14	1.3/16"-12	XX2233251X-10-12
	380	TLMSOMO-16-12	1.5/16"-12	1.3/16"-12	XX2233251X-16-12
	420	TLMSOMO-12-16	1.1/16"-12	1.7/16"-12	XX2233251X-12-16
	280	TLMSOMO-20-16	1.5/8"-12	1.7/16"-12	XX2233251X-20-16
		TLMSOMO-16-20	1.5/16"-12	1.11/16"-12	XX2233251X-16-20
		TLMSOMO-24-20	1.7/8"-12	1.11/16"-12	XX2233251X-24-20
		TLMSOMO-20-24	1.5/8"-12	2"-12	XX2233251X-20-24

Adaptador TEE Central Macho Orientável BSPP



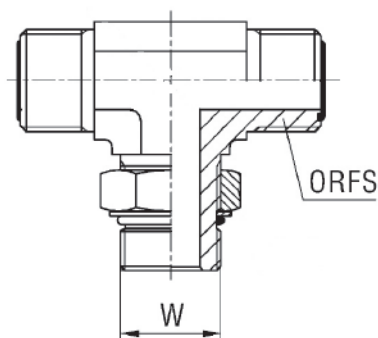
Série	bar	Ref. Comercial	G	ORFS	Código Interno
UNIVERSAL	350	TCMBOMO-02-04	1/8"-28	9/16"-18	XX2314251X-02-04
	315	TCMBOMO-04-06	1/4"-19	11/16"-16	XX2314251X-04-06
	250	TCMBOMO-06-08	3/8"-19	13/16"-16	XX2314251X-06-08
		TCMBOMO-08-10	1/2"-14	1"-14	XX2314251X-08-10
		TCMBOMO-12-12	3/4"-14	1.3/16"-12	XX2314251X-12-12
	200	TCMBOMO-16-16	1"-11	1.7/16"-12	XX2314251X-16-16
		TCMBOMO-20-20	1.1/4"-11	1.11/16"-12	XX2314251X-20-20
	160	TCMBOMO-24-24	1.1/2"-11	2"-12	XX2314251X-24-24
	315	TCMBOMO-04-04	1/4"-19	9/16"-18	XX2314251X-04-04
	250	TCMBOMO-06-04	3/8"-19	9/16"-18	XX2314251X-06-04
		TCMBOMO-06-06	3/8"-19	11/16"-16	XX2314251X-06-06
		TCMBOMO-08-06	1/2"-14	11/16"-16	XX2314251X-08-06
	315	TCMBOMO-04-08	1/4"-19	13/16"-16	XX2314251X-04-08
	250	TCMBOMO-08-08	1/2"-14	13/16"-16	XX2314251X-08-08
		TCMBOMO-12-08	3/4"-14	13/16"-16	XX2314251X-12-08
	315	TCMBOMO-04-10	1/4"-19	1"-14	XX2314251X-04-10
	250	TCMBOMO-06-10	3/8"-19	1"-14	XX2314251X-06-10
		TCMBOMO-12-10	3/4"-14	1"-14	XX2314251X-12-10
	200	TCMBOMO-16-10	1"-11	1"-14	XX2314251X-16-10
	315	TCMBOMO-04-12	1/4"-19	1.3/16"-12	XX2314251X-04-12
	250	TCMBOMO-08-12	1/2"-14	1.3/16"-12	XX2314251X-08-12
	200	TCMBOMO-16-12	1"-11	1.3/16"-12	XX2314251X-16-12
	315	TCMBOMO-04-16	1/4"-19	1.7/16"-12	XX2314251X-04-16
	250	TCMBOMO-12-16	3/4"-14	1.7/16"-12	XX2314251X-12-16
	200	TCMBOMO-20-16	1.1/4"-11	1.7/16"-12	XX2314251X-20-16
		TCMBOMO-16-20	1"-11	1.11/16"-12	XX2314251X-16-20
	160	TCMBOMO-24-20	1.1/2"-11	1.11/16"-12	XX2314251X-24-20

Adaptador TEE Central Macho Orientável Métrico



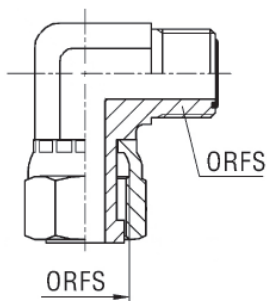
Série	bar	Ref. Comercial	M	ORFS	Código Interno
UNIVERSAL	315	TCMMOMO-12-04	12x1.5	9/16"-18	XX2322251X-12-04
		TCMMOMO-14-06	14x1.5	11/16"-16	XX2322251X-14-06
		TCMMOMO-18-08	18x1.5	13/16"-16	XX2322251X-18-08
	250	TCMMOMO-22-10	22x1.5	1"-14	XX2322251X-22-10
		TCMMOMO-27-12	27x2	1.3/16"-12	XX2322251X-27-12
	160	TCMMOMO-33-16	33x2	1.7/16"-12	XX2322251X-33-16
		TCMMOMO-42-20	42x2	1.11/16"-12	XX2322251X-42-20
		TCMMOMO-48-24	48x2	2"-12	XX2322251X-48-24
	315	TCMMOMO-10-04	10x1	9/16"-18	XX2322251X-10-04
		TCMMOMO-16-06	16x1.5	11/16"-16	XX2322251X-16-06
		TCMMOMO-16-08	16x1.5	13/16"-16	XX2322251X-16-08
	250	TCMMOMO-22-08	22x1.5	13/16"-16	XX2322251X-22-08
	315	TCMMOMO-18-10	18x1.5	1"-14	XX2322251X-18-10
		TCMMOMO-27-10	27x2	1"-14	XX2322251X-27-10
	250	TCMMOMO-22-12	22x1.5	1.3/16"-12	XX2322251X-22-12
	160	TCMMOMO-33-12	33x2	1.3/16"-12	XX2322251X-33-12
	250	TCMMOMO-27-16	27x2	1.7/16"-12	XX2322251X-27-16
	160	TCMMOMO-42-16	42x2	1.7/16"-12	XX2322251X-42-16
		TCMMOMO-48-20	48x2	1.11/16"-12	XX2322251X-48-20

Adaptador TEE Central Macho Orientável UNF



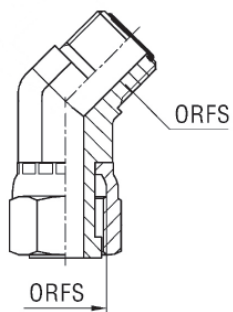
Série	bar	Ref. Comercial	W	ORFS	Código Interno
UNIVERSAL	420	TCMSOMO-04-04	7/16"-20	9/16"-18	XX2333251X-04-04
		TCMSOMO-06-06	9/16"-18	11/16"-16	XX2333251X-06-06
		TCMSOMO-08-08	3/4"-16	13/16"-16	XX2333251X-08-08
		TCMSOMO-10-10	7/8"-14	1"-14	XX2333251X-10-10
		TCMSOMO-12-12	1.1/16"-12	1.3/16"-12	XX2333251X-12-12
	380	TCMSOMO-16-16	1.5/16"-12	1.7/16"-12	XX2333251X-16-16
	280	TCMSOMO-20-20	1.5/8"-12	1.11/16"-12	XX2333251X-20-20
		TCMSOMO-24-24	1.7/8"-12	2"-12	XX2333251X-24-24
		TCMSOMO-05-04	1/2"-20	9/16"-18	XX2333251X-05-04
	420	TCMSOMO-06-04	9/16"-18	9/16"-18	XX2333251X-06-04
		TCMSOMO-08-04	3/4"-16	9/16"-18	XX2333251X-08-04
		TCMSOMO-04-06	7/16"-20	11/16"-16	XX2333251X-04-06
		TCMSOMO-08-06	3/4"-16	11/16"-16	XX2333251X-08-06
		TCMSOMO-10-06	7/8"-14	11/16"-16	XX2333251X-10-06
		TCMSOMO-12-06	1.1/16"-12	11/16"-16	XX2333251X-12-06
		TCMSOMO-06-08	9/16"-18	13/16"-16	XX2333251X-06-08
		TCMSOMO-10-08	7/8"-14	13/16"-16	XX2333251X-10-08
		TCMSOMO-12-08	1.1/16"-12	13/16"-16	XX2333251X-12-08
		TCMSOMO-08-10	3/4"-16	1"-14	XX2333251X-08-10
		TCMSOMO-12-10	1.1/16"-12	1"-14	XX2333251X-12-10
		TCMSOMO-08-12	3/4"-16	1.3/16"-12	XX2333251X-08-12
		TCMSOMO-10-12	7/8"-14	1.3/16"-12	XX2333251X-10-12
	380	TCMSOMO-16-12	1.5/16"-12	1.3/16"-12	XX2333251X-16-12
	420	TCMSOMO-12-16	1.1/16"-12	1.7/16"-12	XX2333251X-12-16
	280	TCMSOMO-20-16	1.5/8"-12	1.7/16"-12	XX2333251X-20-16
		TCMSOMO-16-20	1.5/16"-12	1.11/16"-12	XX2333251X-16-20
		TCMSOMO-24-20	1.7/8"-12	1.11/16"-12	XX2333251X-24-20
		TCMSOMO-20-24	1.5/8"-12	2"-12	XX2333251X-20-24

Adaptador 90° Fêmea ORFS



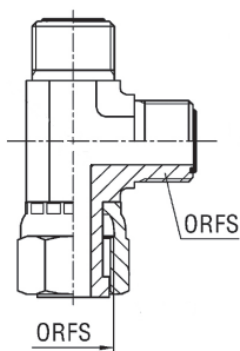
Série	bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	LFOMO-04-04	9/16"-18	XX2949251X-04-04
		LFOMO-06-06	11/16"-16	XX2949251X-06-06
		LFOMO-08-08	13/16"-16	XX2949251X-08-08
	420	LFOMO-10-10	1"-14	XX2949251X-10-10
		LFOMO-12-12	1.3/16"-12	XX2949251X-12-12
		LFOMO-16-16	1.7/16"-12	XX2949251X-16-16
	280	LFOMO-20-20	1.11/16"-12	XX2949251X-20-20
		LFOMO-24-24	2"-12	XX2949251X-24-24

Adaptador 45° Fêmea ORFS



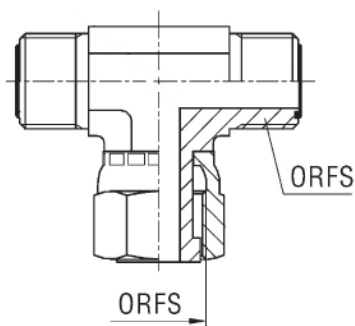
Série	bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	VFOMO-04-04	9/16"-18	XX2649251X-04-04
		VFOMO-06-06	11/16"-16	XX2649251X-06-06
		VFOMO-08-08	13/16"-16	XX2649251X-08-08
	420	VFOMO-10-10	1"-14	XX2649251X-10-10
		VFOMO-12-12	1.3/16"-12	XX2649251X-12-12
		VFOMO-16-16	1.7/16"-12	XX2649251X-16-16
	280	VFOMO-20-20	1.11/16"-12	XX2649251X-20-20
		VFOMO-24-24	2"-12	XX2649251X-24-24

Adaptador TEE Lateral Fêmea ORFS



Série	bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	TLFOMO-04-04	9/16"-18	XX1849251X-04-04
		TLFOMO-06-06	11/16"-16	XX1850261X-06-06
		TLFOMO-08-08	13/16"-16	XX1850261X-08-08
	420	TLFOMO-10-10	1"-14	XX1850261X-10-10
		TLFOMO-12-12	1.3/16"-12	XX1850261X-12-12
		TLFOMO-16-16	1.7/16"-12	XX1850261X-16-16
	280	TLFOMO-20-20	1.11/16"-12	XX1850261X-20-20
		TLFOMO-24-24	2"-12	XX1850261X-24-24

Adaptador TEE Central Fêmea ORFS



Série	bar	Ref. Comercial	ORFS	Código Interno
UNIVERSAL	630	TCFOMO-04-04	9/16"-18	XX1949251X-04-04
		TCFOMO-06-06	11/16"-16	XX1949251X-06-06
		TCFOMO-08-08	13/16"-16	XX1949251X-08-08
	420	TCFOMO-10-10	1"-14	XX1949251X-10-10
		TCFOMO-12-12	1.3/16"-12	XX1949251X-12-12
		TCFOMO-16-16	1.7/16"-12	XX1949251X-16-16
	280	TCFOMO-20-20	1.11/16"-12	XX1949251X-20-20
		TCFOMO-24-24	2"-12	XX1949251X-24-24