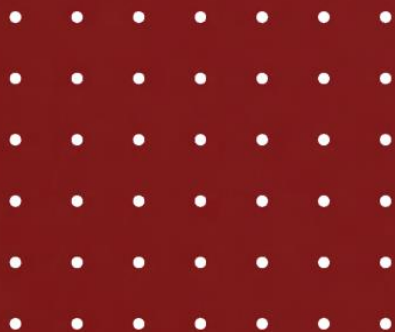




GRUPO
Hidrauluc



- Catálogo de produtos

CONEXÕES HIDRÁULICAS DE LATÃO

- hidrauluc@hidrauluc.com.br
- (31) 3528-6800
- @Hidrauluc
- Acesse nosso site pelo QR code ao lado



Conexões de Compressão

Conectores, uniões, flanges e anilhas em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelo, forjados em latão (Liga UNS C37700 - TM) que proporciona maior resistências contra golpes, choque mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre, latão, alumínio, Bundy e aço recozido.

Recomendados para pressão de trabalho de até 400 libras/pol², na condução de gasolina, graxa, óleo, água, ar, e vácuo.

Este tipo de conexão não exige preparação especial do tubo, por ser de montagem simples e fácil, proporcionando assim o baixo custo e grande eficiência.

Anilha		Conector Macho		
P/Tubo		Tubo x Rosca	Tubo x Rosca	
	1/8 5/32 3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 1		1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT	3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT 1 x 1 NPT
00012		00032		

Porca		União	
P/Tubo	Rosca	P/Tubo	
	5/16x24 F. 5/16x24 F. 3/8x24 F. 7/16x24 F. 1/2x24 F. 9/16x24 F. 5/8x24 F. 11/16x20 F. 13/16x18 F. 1x18 F. 1 1/4x18 F.		1/8 5/32 3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 1
00022		00042	

Cotovelo 45° Macho	Tubo x Rosca	Conector Fêmea	Tubo x Rosca
 00092	1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT	 00052	1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
Cotovelo Macho	Tubo x Rosca	Tubo x Rosca	Tee Macho Central
 00062	1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT	3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT 1 x 1 NPT	 00102
Cotovelo União	P/Tubo	Tee Macho Lateral	Tubo x Rosca
 00072	1/8 5/32 3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 1	 00112	1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
Cotovelo Fêmea	Tubo x Rosca	Tee União	P/Tubo
 00082	1/8 x 1/8 NPT 5/32 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT	 00122	1/8 5/32 3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 1

Conexões de Gás SAE 45°

Conectores, uniões, flanges em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelo, forjados em latão (Liga UNS C37700 - TM) que proporciona maior dureza e resistência de porosidade e trincas.

Este tipo de conexão com assento cônico 45° SAE exige apenas o flangeamento da extremidade do tubo para sua montagem.

Ideal para tubos de cobre, latão, alumínio, Bundy e aço recozido.

Recomendados para pressão de trabalho de até 5000 libras/pol².

Para motores, equipamentos móveis, compressores de ar, queimadores de óleo, locomotiva, ar condicionado, GLP, gás natural, indústria naval e outros onde há necessidade de desmontagem periódica da tubulação.

Porca	P/Tubo	Rosca	União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1	5/16x24 F. 3/8x24 F. 7/16x20 F. 1/2x20 F. 5/8x18 F. 3/4x16 F. 7/8x14 F. 1"1/16x14 F. 1"5/16x12 F.		1/8 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1
02022			02042	

Conector Macho	Tubo x Rosca	Tubo x Rosca	Conector Fêmea	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT	3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT		1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
02032			02052	

Tee Macho Central	Tubo x Rosca
 02102	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT
	5/8 x 1/2 NPT

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca	Tee Macho Lateral	Tubo x Rosca
 02062	1/4 x 1/8 NPT	3/8 x 3/8 NPT	 02112	1/4 x 1/8 NPT
	1/4 x 1/4 NPT	3/8 x 1/2 NPT		1/4 x 1/4 NPT
	1/4 x 3/8 NPT	1/2 x 1/4 NPT		5/16 x 1/8 NPT
	5/16 x 1/8 NPT	1/2 x 3/8 NPT		5/16 x 1/4 NPT
	5/16 x 1/4 NPT	1/2 x 1/2 NPT		5/16 x 3/8 NPT
	5/16 x 3/8 NPT	5/8 x 1/2 NPT		3/8 x 1/4 NPT
	5/16 x 1/2 NPT	3/4 x 1/2 NPT		3/8 x 3/8 NPT
	3/8 x 1/8 NPT	3/4 x 3/4 NPT		3/8 x 1/2 NPT
	3/8 x 1/4 NPT			1/2 x 1/4 NPT
				1/2 x 3/8 NPT
				1/2 x 1/2 NPT
				5/8 x 1/2 NPT

Cotovelo Fêmea	Tubo x Rosca	Cotovelo União	P/Tubo
 02082	1/4 x 1/8 NPT	 02072	1/8
	1/4 x 1/4 NPT		3/16
	1/4 x 3/8 NPT		1/4
	5/16 x 1/8 NPT		5/16
	5/16 x 1/4 NPT		3/8
	3/8 x 1/4 NPT		1/2
	3/8 x 3/8 NPT		5/8
	3/8 x 1/2 NPT		3/4
	1/2 x 1/4 NPT		1
	1/2 x 3/8 NPT		
	1/2 x 1/2 NPT		
	5/8 x 1/2 NPT		

Cotovelo 45° Macho	Tubo x Rosca	Tee União	P/Tubo Tube Of
 02092	1/4 x 1/8 NPT	 02122	1/8
	1/4 x 1/4 NPT		3/16
	5/16 x 1/8 NPT		1/4
	5/16 x 1/4 NPT		5/16
	3/8 x 1/8 NPT		3/8
	3/8 x 1/4 NPT		1/2
	3/8 x 3/8 NPT		5/8
	3/8 x 1/2 NPT		3/4
	1/2 x 1/4 NPT		1
	1/2 x 3/8 NPT		
	1/2 x 1/2 NPT		
	5/8 x 1/2 NPT		

Conexões de Gás JIC 37°

Conectores, uniões, flanges em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelo, forjados em latão (Liga UNS C37700 - TM) que proporciona maior dureza e resistência de porosidade e trincas.

Este Tipo de conexões de assentamento JIC 37° exige apenas o flangeamento da extremidade do tubo para sua montagem.

Ideal para tubos de cobre, latão, alumínio, Bundy e aço recozido.

Recomendados para pressão de trabalho de até 5000 libras/pol².

Para motores, equipamentos móveis, compressores de ar, queimadores de óleo, locomotiva, ar condicionado, GLP, gás natural, indústria naval e outros onde há necessidade de desmontagem periódica da tubulação.

Conector Macho	Tubo x Rosca	Tubo x Rosca
 J2032	1/4 x 1/8 NPT	3/8 x 1/4 NPT
	1/4 x 1/4 NPT	3/8 x 3/8 NPT
	1/4 x 3/8 NPT	3/8 x 3/8 NPT
	1/4 x 1/2 NPT	1/2 x 1/4 NPT
	5/16 x 1/8 NPT	1/2 x 3/8 NPT
	5/16 x 1/4 NPT	1/2 x 1/2 NPT
	5/16 x 3/8 NPT	5/8 x 1/2 NPT
	5/16 x 1/2 NPT	3/4 x 1/2 NPT
	3/8 x 1/8 NPT	3/4 x 3/4 NPT

União	P/Tubo
 J2042	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	5/8
	3/4
	1

Conector Fêmea	Tubo x Rosca
 J2052	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT	3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT
J2062		

Tee Macho Central	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
J2102	

Cotovelo União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1
J2072	

Tee Macho Lateral	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
J2112	

Cotovelo Fêmea	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
J2082	

Tee União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1
J2122	

Cotovelo 45° Macho	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
J2092	

Conexões Cônico Invertido

Conectores, uniões, e algumas flanges em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelo, forjados em latão (Liga UNS C37700 - TM) que proporciona maior dureza e resistências contra golpes, choque mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre.

Recomendados para pressão de trabalho de até 1500 libras/pol², na condução de freio hidráulico para automóveis.

Porca Hidráulica	P/Tubo	Modelo	Rosca
 03022	3/16	Mod. 1	3/8x24 F.
	1/4	Mod. 1	7/16x24 F.
	5/16	Mod. 1	1/2x20 F.
	3/8	Mod. 1	5/8x18 F.
	7/16	Mod. 1	1 1/16x18 F.
	1/2	Mod. 1	3/4x18 F.
	5/8	Mod. 1	7/8x 18F.

Conector Macho	Tubo x Rosca	Tubo x Rosca
 03052	3/16 x 1/8 NPT	3/8 x 1/4 NPT
	3/16 x 1/4 NPT	3/8 x 3/8 NPT
	1/4 x 1/8 NPT	3/8 x 1/2 NPT
	1/4 x 1/4 NPT	7/16 x 1/4 NPT
	1/4 x 3/8 NPT	7/16 x 3/8 NPT
	5/16 x 1/8 NPT	1/2 x 3/8 NPT
	5/16 x 1/4 NPT	1/2 x 1/2 NPT
	5/16 x 3/8 NPT	5/8 x 1/2 NPT

União	P/Tubo
 03152	3/16
	1/4
	5/16
	3/8
	1/2
	3/4

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
 03082	3/16 x 1/8 NPT	3/8 x 3/8 NPT
	1/4 x 1/8 NPT	3/8 x 1/2 NPT
	1/4 x 1/4 NPT	7/16 x 1/4 NPT
	1/4 x 3/8 NPT	7/16 x 3/8 NPT
	5/16 x 1/8 NPT	1/2 x 3/8 NPT
	5/16 x 1/4 NPT	1/2 x 1/2 NPT
	5/16 x 3/8 NPT	5/8 x 1/2 NPT
	3/8 x 1/4 NPT	

Conector Fêmea	Tubo x Rosca
 03162	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT

Conexões Freio Ar Polegada

Conectores, uniões, flanges e anilhas em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelo, forjados em latão (Liga UNS C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre, latão, alumínio, bundy e aço recozido, mas também pode usar tubos de nylon simples ou reforçado, uma vez aplicado com reforço de tubo.

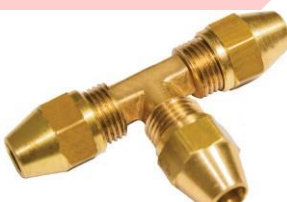
Esse tipo de conexão, pode ser utilizada especialmente para sistema de freio a ar, conforme normas internacionais de segurança em equipamentos originais.

Anilha	P/Tubo	Conector Macho	Tubo x Rosca	Tubo x Rosca
 04012	1/4 5/16 3/8 1/2 5/8 3/4	 04032	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT	3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT
Porca	P/Tubo	Rosca	União	P/Tubo
 04022	1/4 5/16 3/8 1/2 5/8 3/4	7/16x24 F. 1/2x24 F. 17/32x24F. 11/16x20 F. 13/16x18 F. 1x18 F.	 04042	1/4 5/16 3/8 1/2 5/8 3/4

Conector Fêmea	Tubo x Rosca	Cotovelo 45° Macho	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT		1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
04052		04092	

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca	Tee Macho Central	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT	3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT 5/8 x 3/8 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT		1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT
04062			04102	

Cotovelo União	P/Tubo	Tee Macho Lateral	Tubo x Rosca
	1/4 5/16 3/8 1/2 5/8 3/4		1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT
04072		04112	

Cotovelo Fêmea	Tubo x Rosca	Tubo x Rosca	Tee União	P/Tubo
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT	3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT		1/4 5/16 3/8 1/2 5/8 3/4
04082			04122	

Insert	P/Tubo	P/Tubo
	1/8 3/16 1/4 5/16 3/8	1/2 5/8 3/4 1
04592		

Conexões Adapta Tudo

Unões, niple, plugs e bico de mangueiras em latão CLA (Liga UNS - C3600 TM).

Cruzetas, tees, cotovelo em latão (Liga UNS - C37700 - TM) que proporcionam maior dureza contra golpes, choque mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

até 3000 libras/pol² nas peças forjadas e 1500 libras/pol² nas peças retas, cuja característica principal é a versatilidade, oferecendo uma ampla variedade de combinações, modelos e medidas, compõem-se de uma série de peças feitas especialmente para solucionar problemas de instalação e adaptação fora de série e emergências.

Bico p/ Mang F. Fixo	Mang. x Rosca	Mang. x Rosca	Niple Duplo	Rosca
 05012	1/8 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT	3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT 5/8 x 1/2 NPT 3/4 x 1/2 NPT 3/4 x 3/4 NPT 1 x 3/4 NPT 1 x 1 NPT	 05042	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
Cotovelo M/M	Rosca	Adaptador M/F	Rosca x Rosca	Rosca x Rosca
 05022	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT	 05052	1/8 x 1/8 NPT 1/8 x 1/4 NPT 1/8 x 3/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 1/4 x 3/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 3/8 x 3/4 NPT 1/2 x 1/2NPT	1/2 x 3/4 NPT 1/2 x 1 NPT 3/4 x 3/4 NPT 3/4 x 1 NPT 1 x 1 NPT 1 x 1 1/4 NPT 1 1/4 x 1 1/2 NPT 1 1/2 x 1 1/2 NPT 1 1/2 x 2 NPT 2 x 2 NPT 2 x 2 1/2 NPT
Niple Redutor	Rosca	Cotovelo Curto M/F	Rosca	
 05032	1/4 x 1/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 3/4 x 1/4 NPT 3/4 x 3/8 NPT 3/4 x 1/2 NPT 1 x 3/8 NPT 1 x 1/2 NPT 1 x 3/4 NPT	 05062	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT	

Cotovelo Fêmea	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT 2 NPT
05072	

Cruzeta Fêmea	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT
05122	

Cotovelo M/F	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT 2 NPT
05082	

Bucha Redução	Rosca x Rosca	Rosca x Rosca
	1/4 x 1/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 1/2 x 1/8 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 3/4 x 1/8 NPT 3/4 x 1/4 NPT 3/4 x 3/8 NPT 3/4 x 1/2 NPT 1 x 1/4 NPT	1 x 3/8 NPT 1 x 1/2 NPT 1 x 3/4 NPT 1 1/4 x 3/4 NPT 1 1/4 x 1 NPT 1 1/2 x 3/4 NPT 1 1/2 x 1 NPT 1 1/2 x 1 1/4 NPT 2 x 3/4 NPT 2 x 1 NPT 2 x 1 1/2 NPT
05132		

Cotovelo 45° M/F	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT
05092	

Niple Longo	Rosca x Comp.	Rosca x Comp.
	1/8 NPT - 3/4 1/8 NPT - 1 1/2 1/8 NPT - 2 1/8 NPT - 2 1/2 1/8 NPT - 3 1/8 NPT - 3 1/2 1/4 NPT - 3/4 1/4 NPT - 1 1/2 1/4 NPT - 2 1/4 NPT - 2 1/2 1/4 NPT - 3 1/2	3/8 NPT - 1 1/2 3/8 NPT - 2 3/8 NPT - 2 1/2 3/8 NPT - 3 3/8 NPT - 3 1/2 1/2 NPT - 1 1/2 1/2 NPT - 2 1/2 NPT - 2 1/2 1/2 NPT - 3 1/2 NPT - 3 1/2 3/4 NPT - 2 1/2 1 NPT - 2 1/2
05142		

Tee Fêmea	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT 2 NPT
05102	

União Desmontavel	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
05152	

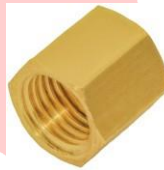
Tee Macho Lateral	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT 2 NPT
05112	

União Fêmea	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT 2 NPT
05162	

Luva Redutora	Rosca
	1/4 x 1/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 3/4 x 1/4 NPT 3/4 x 3/8 NPT 3/4 x 1/2 NPT 1 x 1/2 NPT 1 x 3/4 NPT
05172	

Plug Sextavado	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
05222	

Espigão Macho	Mang x Rosca	Mang x Rosca	Mang x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT	3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 3/8 x 3/4 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT 1/2 x 1 NPT 5/8 x 3/8 NPT 5/8 x 1/2 NPT	5/8 x 3/4 NPT 5/8 x 1 NPT 3/4 x 1/2 NPT 3/4 x 1 NPT 1 x 1/2 NPT 1 x 3/4 NPT 1 x 1 NPT 1 1/4 x 1 NPT 1 1/2 x 1 NPT 1 1/2 x 1 1/2 NPT 2 x 2 NPT
05182			

Tampão Fêmea	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
05232	

Bico Mang. Fêmea Gir.	Mang x Rosca
	1/4 x 1/4 BSP 5/16 x 1/4 BSP 3/8 x 1/4 BSP 3/8 x 3/8 BSP 1/2 x 3/8 BSP 1/2 x 1/2 BSP 1/2 x 3/4 BSP 3/4 x 3/4 BSP 1 x 1 BSP 5/16 x 9/16 DIR 5/16 x 9/16 ESQ
05192	

Cotovelo Bico p/ Mang.	Mang. x Rosca
	3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
05372	

União p/ Mangueira	Rosca
	1/8 1/4 5/16 3/8 1/2 3/4 1 1/2
05202	

Tee p/ Mangueira	Mangueira
	1/8 1/4 5/16 3/8 1/2 1 1 1/4
05402	

Plug Quadrado	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
05212	

Plug Sext. Interno	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
05552	

Conexões Pneumáticas

Conectores, uniões e flanges em latão CLA (Liga UNS - C3600 TM).

Anilhas em plástico especial de alta resistência, para medidas de 1/4, 5/16, 3/8, e 1/2, Ideal para tubos de polietileno, vinil, PVC e EVA, anilhas em latão para medidas de 1/8 e 3/16.

- TM) que proporciona maior dureza e resistência coontra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Pressão de trabalho compatível com as especificações do tubo utilizado.

Para aplicações em linhas de ar comprimido, equipamentos e controles pneumáticos, instrumentação e outros.

Este tipo de conexão não exige preparação especial do tubo, por dispensar ferramentas na montagem, aperto manual, simples e fácil, proporciona economia de tempo de 90% resultando custo baixo e grande eficiência.

Luva Plástica		P/Tubo	União		P/Tubo
		1/8 3/16 1/4 5/16 3/8 1/2			1/8 3/16 1/4 5/16 3/8 1/2
06602			06622		
Flange	P/Tubo	Rosca	Tee União		P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2	5/16 x 24F. 3/8 x 24F. 7/16 x 24F. 1/2 x 24F. 9/16 x 24F. 11/16 x 10F			1/8 3/16 1/4 5/16 3/8 1/2
06612			06642		

Cotovelo União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2
06652	

Conector Fêmea	Tubo x Rosca	Tubo x Rosca
	1/8 x 1/8 NPT 1/8 x 1/4 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT	5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06662		

Conector Macho	Tubo x Rosca	Tubo x Rosca
	1/8 x 1/8 NPT 1/8 x 1/4 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT	5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06682		

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
	1/8 x 1/8 NPT 1/8 x 1/4 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT	5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06692		

Cotovelo Fêmea	Tubo x Rosca	Tubo x Rosca
	1/8 x 1/8 NPT 1/8 x 1/4 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT	5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06702		

Tee Macho Lateral	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06712	

Tee Macho Central	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 3/16 x 1/4 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 1/2 x 3/4 NPT
06722	

Tee Fêmea Central	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT
06772	

União Painei	P/Tubo
	1/4 5/16 3/8 1/2
06822	

Conexões de Lubrificação

Conectores, uniões e flanges em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelos forjados em latão (Liga UNS - C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Flanges e anilhas em uma única peça. Quando há aperto da flange a anilha separa-se e fixa no tubo. Por ser de montagem simples e fácil proporciona economia de tempo de 80%, resultando baixo custo e grande eficiência.

Ideal para tubos de cobre, latão, alumínio, bundy, aço recozido e nylon desde que aplicado com insert para reforço.

Recomendado para pressão de trabalho de até 5000/pol².

Para aplicação em motores, equipamentos móveis, compressores de ar, locomotivas, equipamentos de terraplenagem, sistemas de lubrificação, controles hidráulicos, pneumáticos, laboratórios, instrumentação e outros.

Flange	P/Tubo	Rosca
 07812	1/8	5/16 x 24F.
	3/16	3/8 x 24F.
	1/4	7/16 x 24F.
	5/16	1/2 x 20F.
	3/8	9/16 x 20F.
	1/2	11/16 x 10F
	4 MM	M8p1
	6 MM	M10p1
	8 MM	1/2 x 20F
	10 MM	9/16 x 20F
	12 MM	11/16 x 16F

União	P/Tubo
 07822	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	4 MM
	6 MM
	8 MM
	10MM
	12MM

Cotovelo União	P/Tubo
 07852	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	4 MM
	6 MM
	8 MM
	10MM
	12MM

Tee União	P/Tubo
 07842	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	4 MM
	6 MM
	8 MM
	10MM
	12MM

Cotovelo Fêmea	Tubo x Rosca
 07902	3/16 x 1/4 NPT
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/4 NPT
	3/8 x 1/4 NPT
	1/2 x 3/8 NPT
	6 MM x 1/8 NPT
	6 MM x 1/4 NPT
	8 MM x 1/4 NPT
	10 MM x 1/4 NPT
	10 MM x 3/8 NPT
	12 MM x 3/8 NPT



Conector Fêmea	Tubo x Rosca
 07862	3/16 x 1/4 NPT
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/4 NPT
	3/8 x 1/4 NPT
	1/2 x 3/8 NPT
	6 MM x 1/8 NPT
	6 MM x 1/4 NPT
	8 MM x 1/4 NPT
	10 MM x 1/4 NPT
	10 MM x 3/8 NPT
	12 MM x 3/8 NPT

Tee Macho Lateral	Tubo x Rosca
 07912	1/8 x 1/8 NPT
	3/16 x 1/4 NPT
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	1/2 x 1/2 NPT
	1/2 x 3/8 NPT

Conector Macho	Tubo x Rosca	Tubo x Rosca
 07882	1/8 x 1/8 NPT	4 MM x M8p1
	3/16 x 1/8 NPT	4 MM x 1/8 NPT
	3/16 x 1/4 NPT	6 MM x M10p1
	1/4 x 1/8 NPT	6 MM x 1/8 NPT
	1/4 x 1/4 NPT	6 MM x 1/4 NPT
	1/4 x 3/8 NPT	8 MM x 1/8 NPT
	5/16 x 1/8 NPT	8 MM x 1/4 NPT
	5/16 x 1/4 NPT	8 MM x 3/8 NPT
	3/8 x 1/4 NPT	10 MM x 1/4 NPT
	3/8 x 3/8 NPT	10 MM x 3/8 NPT
	1/2 x 1/4 NPT	12 MM x 1/4 NPT
	1/2 x 3/8 NPT	12 MM x 3/8 NPT
	1/2 x 1/2 NPT	12 MM x 1/2 NPT

Tee Macho Central	Tubo x Rosca
 07922	1/8 x 1/8 NPT
	3/16 x 1/4 NPT
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	1/2 x 1/2 NPT
	1/2 x 3/8 NPT

Conector Macho	Tubo x Rosca	Tubo x Rosca
 07892	1/8 x 1/8 NPT	4 MM x M8p1
	3/16 x 1/8 NPT	4 MM x 1/8 NPT
	3/16 x 1/4 NPT	6 MM x M10p1
	1/4 x 1/8 NPT	6 MM x 1/8 NPT
	1/4 x 1/4 NPT	6 MM x 1/4 NPT
	1/4 x 3/8 NPT	8 MM x 1/8 NPT
	5/16 x 1/8 NPT	8 MM x 1/4 NPT
	5/16 x 1/4 NPT	8 MM x 3/8 NPT
	3/8 x 1/4 NPT	10 MM x 1/4 NPT
	3/8 x 3/8 NPT	10 MM x 3/8 NPT
	1/2 x 1/4 NPT	12 MM x 1/4 NPT
	1/2 x 3/8 NPT	12 MM x 3/8 NPT
	1/2 x 1/2 NPT	12 MM x 1/2 NPT

Conexões de Alta Pressão

Conectores, uniões, flanges e anilhas em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelos forjados em latão (Liga UNS - C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre, latão, alumínio, Bundy, aço recozido.

Recomendado para pressão de trabalho de até 5000/pol².

Para aplicação em instrumentação, indústria química, petroquímica, refinaria, equipamentos hidráulicos, pneumáticos, laboratórios e outras operações de condução de fluidos.

Este tipo de conexão não exige preparação especial do tubo, por ser de montagem simples e fácil, quanto ao aperto da flange, basta cobrir a rosca, que a vedação já no exato ponto de utilização, pode ser em processo visual, proporciona baixo custo e grande eficiência.

Junta	P/Tubo
 08602	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	5/8
	3/4
	1

Porca	P/Tubo	Rosca
 08612	1/8	3/8 x 24F.
	3/16	7/16 x 20F.
	1/4	1/2 x 20F.
	5/16	9/16 x 18F.
	3/8	5/8 x 18F.
	1/2	3/4 x 18F.
	5/8	15/16 x 16F.
	3/4	1 1/16 x 16F.
	1	1 5/16 x 16F.

União	P/Tubo
 08622	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	5/8
	3/4
	1

Tee União	P/Tubo
 08642	1/8
	3/16
	1/4
	5/16
	3/8
	1/2
	5/8
	3/4
	1

Cotovelo Macho	Tubo x Rosca
 08692	1/8 x 1/8 NPT
	3/16 x 1/8 NPT
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT
	5/8 x 1/2 NPT



Cotovelo União	P/Tubo	Cotovelo Fêmea	Tubo x Rosca
 08652	1/8 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1	 08702	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT
Conector Fêmea	Tubo x Rosca	Tee Macho Lateral	Tubo x Rosca
 08662	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT	 08722	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
Conector Macho	Tubo x Rosca	Tee Macho Central	Tubo x Rosca
 08682	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT 5/8 x 1/2 NPT	 08712	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT

Conexões Dupla Anilha

Conectores, uniões, flanges e anilhas em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelos forjados em latão (Liga UNS - C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre, latão, alumínio, Bundy, aço recozido.

Recomendado para pressão de trabalho de até 5000/pol².

Para aplicação em instrumentação, indústria química, petroquímica, refinaria, equipamentos hidráulicos, pneumáticos, laboratórios e outras operações de condução de fluidos.

Este tipo de conexão não exige preparação especial do tubo, por ser de montagem simples e fácil, quanto ao aperto da flange, basta cobrir a rosca, que a vedação já no exato ponto de utilização, pode ser em processo visual, proporciona baixo custo e grande eficiência.

Anilha Dianteira	P/Tubo
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D860D2

1/8
3/16
1/4
5/16
3/8
1/2

Anilha Traseira	P/Tubo
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D860T2

1/8
3/16
1/4
5/16
3/8
1/2

Porca	P/Tubo	Rosca
 D8612	1/8	5/16 x 20F.
	3/16	3/8 x 20F.
	1/4	7/16 x 20F.
	5/16	1/2 x 20F.
	3/8	9/16 x 20F.
	1/2	3/4 x 20F.

União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2
D8622	

Cotovelo Macho	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D8692	

Tee União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2
D8642	

Cotovelo Fêmea	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D870	

Cotovelo União	P/Tubo
	1/8 3/16 1/4 5/16 3/8 1/2
D8652	

Tee Macho Central	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D8712	

Conector Fêmea	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D8662	

Tee macho Lateral	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D8722	

Conector Macho	Tubo x Rosca
	1/8 x 1/8 NPT 3/16 x 1/8 NPT 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
D8682	

Conexões Freio Ar Milímetro

Conectores, uniões, flanges e anilhas em latão CLA (Liga UNS - C3600 TM).

Tee e cotovelos forjados em latão (Liga UNS - C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de nylon simples ou reforçados desde que aplicados com insert para reforço do tubo, como também para utilização em tubo de cobre, latão, alumínio, Bundy, e aço recozido.

Recomendado para pressão de trabalho de até 400/pol².

Este tipo de conexão pode ser utilizado especialmente em sistemas de freio a ar, conforme normas internacionais de segurança com equipamentos originais.

Vedação de rosca métrica externa acompanhada de anel de encosto (em latão), e anel oring.

Anel de Encosto	P/Tubo
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09002

M10
M12
M14
M16
M18
M22

Anilha	P/Tubo
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09012

4MM
6MM
8MM
10MM
11MM
12MM
14MM
15MM
16MM

Porca	P/Tubo	Rosca
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09022

4MM
6MM
8MM
10MM
11MM
12MM
14MM
15MM
16MM

M10p1,5
M12p1,5
M14p1,5
M16p1,5
M16p1,5
M18p1,5
M20p1,5
M20p1,5
M22p1,5

Conector Macho	Tubo x Rosca	Tubo x Rosca
 09032	4MM x M6	10MM x M12
	6MM x M10	10MM x M16
	6MM x M12	10MM x M22
	6MM x M14	12MM x M12
	6MM x M16	12MM x M16
	6MM x M22	12MM x M22
	8MM x M10	16MM x M12
	8MM x M12	16MM x M16
	8MM x M14	16MM x M22
	8MM x M16	

Tee Macho Central	Tubo x Rosca
 09102	6MM x M10
	6MM x M12
	6MM x M14
	6MM x M16
	8MM x M12
	8MM x M14
	8MM x M16
	10MM x M12
	10MM x M16
	12MM x M12
	12MM x M16
	12MM x M22
	16MM x M16
	16MM x M22

União	P/Tubo
 09042	4MM
	6MM
	8MM
	10MM
	11MM
	12MM
	14MM
	15MM
	16MM

Tee Macho Lateral	Tubo x Rosca
 09112	6MM x M10
	6MM x M12
	6MM x M14
	6MM x M16
	8MM x M12
	8MM x M14
	8MM x M16
	10MM x M12
	10MM x M16
	12MM x M12
	12MM x M16
	12MM x M22
	16MM x M16
	16MM x M22

Contra Porca	P/Rosca
 09052	M10
	M12
	M14
	M16
	M18
	M22

Tee União	P/Tubo
 09122	4MM
	6MM
	8MM
	10MM
	11MM
	12MM
	14MM
	15MM
	16MM

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
 09062	4MM x M6	10MM x M12
	6MM x M10	10MM x M16
	6MM x M12	10MM x M22
	6MM x M14	12MM x M12
	6MM x M16	12MM x M16
	6MM x M22	12MM x M22
	8MM x M10	16MM x M12
	8MM x M12	16MM x M16
	8MM x M14	16MM x M22
	8MM x M16	

União Anteparo	Tubo x Rosca
 09132	8MM x M16
	10MM x 1/2
	10MM x M16
	10MM x M22
	12MM x 1/2
	12MM x M16
	12MM x M22

Cotovelo União	P/Tubo
 09072	4MM
	6MM
	8MM
	10MM
	11MM
	12MM
	14MM
	15MM
	16MM

Bujão Sextavado	P/Rosca	Insert	P/Tubo
	M8 M10 M12 M14 M16 M18 M20 M22 M24		4MM 6MM 8MM 10MM 11MM 12MM 14MM Usinado 15MM Usinado 16MM
09152		09592	

Adaptador M/F	Tubo x Rosca	Tubo x Rosca
	M12 x 1/4 NPT M12 x M14 M12 x M16 M12 x M22 M14 x 1/8 NPT M14 x 1/4 NPT M14 x M16 M14 x M22 M16 x M12 M16 x M14 M16 x 1/4 NPT M16 x 3/8 NPT M16 x M16 M16 x M20 M16 x 1/2 NPT M16 x M22 M22 x M12 M22 x 1/4 NPT M22 x M16 M22 x 3/8 NPT	1/8 NPT x M10 1/8 NPT x M12 1/8 NPT x M14 1/8 NPT x M16 1/4 NPT x M10 1/4 BSP x M10 1/4 NPT x M12 1/4 BSP x M12 1/4 NPT x M14 1/4 NPT x M16 1/4 NPT x M22 3/8 NPT x M12 3/8 NPT x M16 3/8 NPT x M22 3/8 NPT x M26 1/2 NPT x M14 1/2 NPT x M16 1/2 NPT x M22 1/2 NPT x M26
09162		

Conector Macho	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 NPT 6MM x 1/8 NPT 6MM x 1/4 NPT 6MM x 3/8 NPT 8MM x 1/8 NPT 8MM x 1/4 NPT 8MM x 3/8 NPT 8MM x 1/2 NPT 10 MM x 1/8 NPT 10 MM x 1/4 NPT	10MM x 3/8 NPT 10MM x 1/2 NPT 12MM x 1/4 NPT 12MM x 3/8 NPT 12MM x 1/2 NPT 14MM x 1/4 NPT 14MM x 3/8 NPT 16MM x 1/4 NPT 16MM x 3/8 NPT 16MM x 1/2 NPT
09182		

Conector Macho	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 NPT 6MM x 1/8 NPT 6MM x 1/4 NPT 6MM x 3/8 NPT 8MM x 1/8 NPT 8MM x 1/4 NPT 8MM x 3/8 NPT 8MM x 1/2 NPT 10 MM x 1/8 NPT 10 MM x 1/4 NPT	10MM x 3/8 NPT 10MM x 1/2 NPT 12MM x 1/4 NPT 12MM x 3/8 NPT 12MM x 1/2 NPT 14MM x 1/4 NPT 14MM x 3/8 NPT 16MM x 1/4 NPT 16MM x 3/8 NPT 16MM x 1/2 NPT
09192		

Conexões Tipo Ermeto

Conectores, uniões, porcas e anilhas em latão CLA (Liga UNS - C3600 TM).

Te e cotovelos forjados em latão (Liga UNS - C37700 - TM) que proporciona maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Ideal para tubos de cobre, latão, alumínio, bundy e aço recozido.

Recomendado para pressão de trabalho de até 5000 a 7000 libras/pol².

Para aplicação em instrumentação, indústria, petroquímica, refinaria, hidráulicos, locomotivas, navios e etc.

Anilha	P/Tubo	Porca	P/Tubo	Rosca
 				

União Macho	Tubo x Rosca	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 BSP	12 e 12,7MM x 3/8 BSP	20MM x 3/8 BSP
	4MM x 1/4 BSP	12 e 12,7MM x 1/2 BSP	20MM x 1/2 BSP
	5MM x 1/8 BSP	12 e 12,7MM x 3/4 BSP	20MM x 3/4 BSP
	5MM x 1/4 BSP	14 e 15MM x 1/4 BSP	22MM x 1/2 BSP
	6 e 6,4MM x 1/8 BSP	14 e 15MM x 3/8 BSP	22MM x 3/4 BSP
	6 e 6,4MM x 1/4 BSP	14 e 15MM x 1/2 BSP	22MM x 1 BSP
	6 e 6,4MM x 3/8 BSP	16MM x 1/4 BSP	25 e 25,4MM x 3/4 BSP
	6 e 6,4MM x 1/2 BSP	16MM x 3/8 BSP	25 e 25,4MM x 1 BSP
	8MM x 1/8 BSP	16MM x 1/2 BSP	28MM x 3/4 BSP
	8MM x 1/4 BSP	16MM x 3/4 BSP	28MM x 1 BSP
	8MM x 3/8 BSP	18MM x 3/8 BSP	30 e 32MM x 1 BSP
	8MM x 1/2 BSP	18MM x 1/2 BSP	30 x 32MM x 1 1/4 BSP
	9,5 e 10MM x 1/8 BSP	18MM x 3/4 BSP	35MM x 1 BSP
	9,5 e 10MM x 1/4 BSP	19MM x 3/8 BSP	35MM x 1 1/4 BSP
	9,5 e 10MM x 3/8 BSP	19MM x 1/2 BSP	38MM x 1 1/2 BSP
	9,5 x 10MM x 1/2 BSP	19MM x 3/4 BSP	42MM x 1 1/2 BSP

1203B2

União	P/Tubo	União Fêmea	Tubo x Rosca	Tubo x Rosca
	4 MM		4MM x 1/8	16MM x 3/4
	5 MM		4MM x 1/4	18MM x 3/8
	6 e 6,4 MM		5MM x 1/8	18MM x 1/2
	8 MM		5MM x 1/4	19MM x 1/2
	9,5 e 10 MM		6 e 6,4MM x 1/8	19MM x 3/4
	12 e 12,7 MM		6 e 6,4MM x 1/4	20MM x 1/2
	14 MM		6 e 6,4MM x 3/8	20MM x 3/4
	15 MM		8MM x 1/8	22MM x 3/4
	16 MM		8MM x 1/4	22MM x 1
	18 MM		8MM x 3/8	25 e 25,4MM x 3/4
	19 MM		9,5 e 10MM x 1/8	25 e 25,4 x 1
			9,5 e 10MM x 1/4	28MM x 3/4
	20 MM		12 e 12,7MM x 3/8	28MM x 1
	22 MM		12 e 12,7MM x 1/2	30 e 32MM x 1
	25 e 25,4 MM		12 e 12,7MM x 3/4	30 e 32MM x 1 1/4
	28 MM		14 e 15MM x 3/8	35 MM x 1
	30 e 32 MM		14 e 15MM x 1/2	35MM x 1 1/4
	35 MM		14 e 15MM x 3/4	38MM x 1 1/4
	38 MM		16MM x 3/8	38MM x 1 1/2
			16MM x 1/2	42MM x 1 1/2

12042

12052

Joelho Macho	Tubo x Rosca	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 NPT	12 e 12,7MM x 3/8 NPT	20MM x 3/8 NPT
	4MM x 1/4 NPT	12 e 12,7MM x 1/2 NPT	20MM x 1/2 NPT
	5MM x 1/8 NPT	12 e 12,7MM x 3/4 NPT	20MM x 3/4 NPT
	5MM x 1/4 NPT	14 e 15MM x 1/4 NPT	22MM x 1/2 NPT
	6 e 6,4MM x 1/8 NPT	14 e 15MM x 3/8 NPT	22MM x 3/4 NPT
	6 e 6,4MM x 1/4 NPT	14 e 15MM x 1/2 NPT	22MM x 1 NPT
	6 e 6,4MM x 3/8 NPT	16MM x 1/4 NPT	25 e 25,4MM x 3/4 NPT
	6 e 6,4MM x 1/2 NPT	16MM x 3/8 NPT	25 e 25,4MM x 1 NPT
	8MM x 1/8 NPT	16MM x 1/2 NPT	28MM x 3/4 NPT
	8MM x 1/4 NPT	16MM x 3/4 NPT	28MM x 1 NPT
	8MM x 3/8 NPT	18MM x 3/8 NPT	30 e 32MM x 1 NPT
	8MM x 1/2 NPT	18MM x 1/2 NPT	30 x 32MM x 1 1/4 NPT
	9,5 e 10MM x 1/8 NPT	18MM x 3/4 NPT	35MM x 1 NPT
	9,5 e 10MM x 1/4 NPT	19MM x 3/8 NPT	35MM x 1 1/4 NPT
	9,5 e 10MM x 3/8 NPT	19MM x 1/2 NPT	38MM x 1 1/2 NPT
	9,5 x 10MM x 1/2 NPT	19MM x 3/4 NPT	42MM x 1 1/2 NPT

12062

Joelho Macho	Tube x Thread	Tube x Thread	Tube x Thread
	4MM x 1/8 BSP	12 e 12,7MM x 3/8 BSP	20MM x 3/8 BSP
	4MM x 1/4 BSP	12 e 12,7MM x 1/2 BSP	20MM x 1/2 BSP
	5MM x 1/8 BSP	12 e 12,7MM x 3/4 BSP	20MM x 3/4 BSP
	5MM x 1/4 BSP	14 e 15MM x 1/4 BSP	22MM x 1/2 BSP
	6 e 6,4MM x 1/8 BSP	14 e 15MM x 3/8 BSP	22MM x 3/4 BSP
	6 e 6,4MM x 1/4 BSP	14 e 15MM x 1/2 BSP	22MM x 1 BSP
	6 e 6,4MM x 3/8 BSP	16MM x 1/4 BSP	25 e 25,4MM x 3/4 BSP
	6 e 6,4MM x 1/2 BSP	16MM x 3/8 BSP	25 e 25,4MM x 1 BSP
	8MM x 1/8 BSP	16MM x 1/2 BSP	28MM x 3/4 BSP
	8MM x 1/4 BSP	16MM x 3/4 BSP	28MM x 1 BSP
	8MM x 3/8 BSP	18MM x 3/8 BSP	30 e 32MM x 1 BSP
	8MM x 1/2 BSP	18MM x 1/2 BSP	30 x 32MM x 1 1/4 BSP
	9,5 e 10MM x 1/8 BSP	18MM x 3/4 BSP	35MM x 1 BSP
	9,5 e 10MM x 1/4 BSP	19MM x 3/8 BSP	35MM x 1 1/4 BSP
	9,5 e 10MM x 3/8 BSP	19MM x 1/2 BSP	38MM x 1 1/2 BSP
1206B2	9,5 x 10MM x 1/2 BSP	19MM x 3/4 BSP	42MM x 1 1/2 BSP

Joelho União	P/Tube	Tee Macho Central	Tube x Thread	Tube x Thread
	4 MM		4MM x 1/8 NPT	16MM x 3/4 NPT
	5 MM		4MM x 1/4 NPT	18MM x 3/8 NPT
	6 e 6,4 MM		5MM x 1/8 NPT	18MM x 1/2 NPT
	8 MM		5MM x 1/4 NPT	19MM x 1/2 NPT
	9,5 e 10 MM		6 e 6,4MM x 1/8	19MM x 3/4 NPT
	12 e 12,7 MM		6 e 6,4MM x 1/4	20MM x 1/2 NPT
	14 MM		6 e 6,4MM x 3/8	20MM x 3/4 NPT
	15 MM		8MM x 1/8 NPT	22MM x 3/4 NPT
	16 MM		8MM x 1/4 NPT	22MM x 1 NPT
	18 MM		8MM x 3/8 NPT	25 e 25,4MM x 3/4
	19 MM		9,5 e 10MM x 1/8	25 e 25,4 x 1 NPT
	20 MM		9,5 e 10MM x 1/4	28MM x 3/4 NPT
	22 MM		12 e 12,7MM x 3/8	28MM x 1 NPT
	25 e 25,4 MM		12 e 12,7MM x 1/2	30 e 32MM x 1 NPT
	28 MM		12 e 12,7MM x 3/4	30 e 32MM x 1 1/4
12072	30 e 32 MM		14 e 15MM x 3/8	35 MM x 1 NPT
	35 MM		14 e 15MM x 1/2	35MM x 1 1/4 NPT
	38 MM		14 e 15MM x 3/4	38MM x 1 1/4 NPT
	42 MM		16MM x 3/8 NPT	38MM x 1 1/2 NPT
			16MM x 1/2 NPT	42MM x 1 1/2 NPT
		12102		

Tee Macho Central	Tube x Thread	Tube x Thread
	4MM x 1/8 BSP	16MM x 3/4 BSP
	4MM x 1/4 BSP	18MM x 3/8 BSP
	5MM x 1/8 BSP	18MM x 1/2 BSP
	5MM x 1/4 BSP	19MM x 1/2 BSP
	6 e 6,4MM x 1/8 BSP	19MM x 3/4 BSP
	6 e 6,4MM x 1/4 BSP	20MM x 1/2 BSP
	6 e 6,4MM x 3/8 BSP	20MM x 3/4 BSP
	8MM x 1/8 BSP	22MM x 3/4 BSP
	8MM x 1/4 BSP	22MM x 1 BSP
	8MM x 3/8 BSP	25 e 25,4MM x 3/4 BSP
	9,5 e 10MM x 1/8 BSP	25 e 25,4 x 1 BSP
	9,5 e 10MM x 1/4 BSP	28MM x 3/4 BSP
	12 e 12,7MM x 3/8 BSP	28MM x 1 BSP
	12 e 12,7MM x 1/2 BSP	30 e 32MM x 1 BSP
	12 e 12,7MM x 3/4 BSP	30 e 32MM x 1 1/4 BSP
1210B2	14 e 15MM x 3/8 BSP	35 MM x 1 BSP
	14 e 15MM x 1/2 BSP	35MM x 1 1/4 BSP
	14 e 15MM x 3/4 BSP	38MM x 1 1/4 BSP
	16MM x 3/8 BSP	38MM x 1 1/2 BSP
	16MM x 1/2 BSP	42MM x 1 1/2 BSP

Tee Macho Lateral	Tubo x Rosca	Tubo x Rosca
 12112	4MM x 1/8 NPT	16MM x 3/4 NPT
	4MM x 1/4 NPT	18MM x 3/8 NPT
	5MM x 1/8 NPT	18MM x 1/2 NPT
	5MM x 1/4 NPT	19MM x 1/2 NPT
	6 e 6,4MM x 1/8 NPT	19MM x 3/4 NPT
	6 e 6,4MM x 1/4 NPT	20MM x 1/2 NPT
	6 e 6,4MM x 3/8 NPT	20MM x 3/4 NPT
	8MM x 1/8 NPT	22MM x 3/4 NPT
	8MM x 1/4 NPT	22MM x 1 NPT
	8MM x 3/8 NPT	25 e 25,4MM x 3/4 NPT
	9,5 e 10MM x 1/8 NPT	25 e 25,4 x 1 NPT
	9,5 e 10MM x 1/4 NPT	28MM x 3/4 NPT
	12 e 12,7MM x 3/8 NPT	28MM x 1 NPT
	12 e 12,7MM x 1/2 NPT	30 e 32MM x 1 NPT
	12 e 12,7MM x 3/4 NPT	30 e 32MM x 1 1/4 NPT
	14 e 15MM x 3/8 NPT	35 MM x 1 NPT
	14 e 15MM x 1/2 NPT	35MM x 1 1/4 NPT
	14 e 15MM x 3/4 NPT	38MM x 1 1/4 NPT
	16MM x 3/8 NPT	38MM x 1 1/2 NPT
	16MM x 1/2 NPT	42MM x 1 1/2 NPT

Tee Macho Lateral	Tubo x Rosca	Tubo x Rosca
 1211B2	4MM x 1/8 BSP	16MM x 3/4 BSP
	4MM x 1/4 BSP	18MM x 3/8 BSP
	5MM x 1/8 BSP	18MM x 1/2 BSP
	5MM x 1/4 BSP	19MM x 1/2 BSP
	6 e 6,4MM x 1/8 BSP	19MM x 3/4 BSP
	6 e 6,4MM x 1/4 BSP	20MM x 1/2 BSP
	6 e 6,4MM x 3/8 BSP	20MM x 3/4 BSP
	8MM x 1/8 BSP	22MM x 3/4 BSP
	8MM x 1/4 BSP	22MM x 1 BSP
	8MM x 3/8 BSP	25 e 25,4MM x 3/4 BSP
	9,5 e 10MM x 1/8 BSP	25 e 25,4 x 1 BSP
	9,5 e 10MM x 1/4 BSP	28MM x 3/4 BSP
	12 e 12,7MM x 3/8 BSP	28MM x 1 BSP
	12 e 12,7MM x 1/2 BSP	30 e 32MM x 1 BSP
	12 e 12,7MM x 3/4 BSP	30 e 32MM x 1 1/4 BSP
	14 e 15MM x 3/8 BSP	35 MM x 1 BSP
	14 e 15MM x 1/2 BSP	35MM x 1 1/4 BSP
	14 e 15MM x 3/4 BSP	38MM x 1 1/4 BSP
	16MM x 3/8 BSP	38MM x 1 1/2 BSP
	16MM x 1/2 BSP	42MM x 1 1/2 BSP

Tee União	P/Tubo
 12122	4 MM
	5 MM
	6 e 6,4 MM
	8 MM
	9,5 e 10 MM
	12 e 12,7 MM
	14 MM
	15 MM
	16 MM
	18 MM
	19 MM
	20 MM
	22 MM
	25 e 25,4 MM
	28 MM
	30 e 32 MM
	35 MM
	38 MM
	42 MM

Conexões Instantâneas Latão Polegada

Unões e plugs em latão CLA (Liga UNS - C3600 TM).

Tees e cotovelos forjados em latão (Liga UNS - C37700 - TM).

Ideal para tubos de nylon, polietileno, cobre recozido mole e tubos de alumínio mole, Vedação em anéis de o'ring.

Recomendado para pressão de trabalho de até 750/pol², ou pressão máxima do tubo plástico.

Não necessita uso de ferramentas bastando apenas empurrar o tubo para dentro. Para soltar segure a luva frezada e puxe o tubo. Não possui partes em material plástico, quanto maior a tração do tubo, melhor a fixação.

Conector Macho	Tubo x Rosca	União	P/Tubo
 15032	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT	 15042	1/4 5/16 3/8 1/2
União Redução	P/Tubo	Conector Fêmea	Tubo x Rosca
 1504R2	5/16 x 1/4 3/8 x 1/4 3/8 x 5/16 1/2 x 1/4 1/2 x 5/16 1/2 x 3/8	 15052	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT

Cotovelo Macho Fixo  15062	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT	Tubo x Rosca 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT	Tee M. Central Giratório  1510G2	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
Cotovelo M. Giratório  1506G2	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT	Tubo x Rosca 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT	Tee M. Lateral Fixo  15112	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
Cotovelo União  15072	P/Tubo 1/4 5/16 3/8 1/2		Tee M. Lateral Giratório  1511G2	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
Tee M. Central Fixo  15102	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 1/4 x 1/2 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 5/16 x 1/2 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT		Tee União  15122	P/Tubo 1/4 5/16 3/8 1/2

Conector Macho	Tubo x Rosca
 1503B2	6MM x 1/8 BSP
	6MM x 1/4 BSP
	6MM x 3/8 BSP
	6MM x 1/2 BSP
	8MM x 1/8 BSP
	8MM x 1/4 BSP
	8MM x 3/8 BSP
	10MM x 1/8 BSP
	10MM x 1/4 BSP
	10MM x 3/8 BSP
	10MM x 1/2 BSP
	12MM x 1/4 BSP
	12MM x 3/8 BSP
	12MM x 1/2 BSP

União	P/Tubo
 15042	6MM
	8MM
	10MM
	12MM
	16MM

União Redução	P/Tubo
 1504R2	8MM x 6MM
	10MM x 6MM
	10MM x 8MM
	12MM x 8MM
	12MM x 10MM

Conector Fêmea	Tubo x Rosca
 1505B2	6MM x 1/8 BSP
	6MM x 1/4 BSP
	6MM x 3/8 BSP
	6MM x 1/2 BSP
	8MM x 1/8 BSP
	8MM x 1/4 BSP
	8MM x 3/8 BSP
	10MM x 1/8 BSP
	10MM x 1/4 BSP
	10MM x 3/8 BSP
	10MM x 1/2 BSP
	12MM x 1/4 BSP
	12MM x 3/8 BSP
	12MM x 1/2 BSP

Cotovelo M. Giratório	Tubo x Rosca	Tubo x Rosca
 1506GB2	6MM x 1/8 BSP	10MM x 1/8 BSP
	6MM x 1/4 BSP	10MM x 1/4 BSP
	6MM x 3/8 BSP	10MM x 3/8 BSP
	6MM x 1/2 BSP	10MM x 1/2 BSP
	8MM x 1/8 BSP	12MM x 1/4 BSP
	8MM x 1/4 BSP	12MM x 3/8 BSP
	8MM x 3/8 BSP	12MM x 1/2 BSP
	8MM x 1/2 BSP	

Cotovelo União	P/Tubo
 15072	6MM
	8MM
	10MM
	12MM
	16MM

Tee M. Central Giratório	Tubo x Rosca
 1510GB2	6MM x 1/8 BSP
	6MM x 1/4 BSP
	8MM x 1/8 BSP
	8MM x 1/4 BSP
	10MM x 1/8 BSP
	10MM x 1/4 BSP
	10MM x 3/8 BSP
	12MM x 1/4 BSP
	12MM x 3/8 BSP
	12MM x 1/2 BSP

Tee M. Lateral Giratório	Tubo x Rosca
 1511GB2	6MM x 1/8 BSP
	6MM x 1/4 BSP
	8MM x 1/8 BSP
	8MM x 1/4 BSP
	10MM x 1/8 BSP
	10MM x 1/4 BSP
	10MM x 3/8 BSP
	12MM x 1/4 BSP
	12MM x 3/8 BSP
	12MM x 1/2 BSP

Tee União	P/Tubo
 15122	6MM
	8MM
	10MM
	12MM
	16MM

Conexões Instantâneas Plásticas Polegada

As Conexões instantâneas (plásticas) são indicadas para automação pneumática.

Usadas em varias medidas de tubos em polegada com rosca BSP ou BSPT. Mesmo após a instalação, o sentido de tubo pode ser mudado livremente.

Recebem tratamento de banho níquel as peças metálicas.

Recomendado para pressão de trabalho de até 0 a 150 libras/pol², suportam temperaturas entre 0 a 60°C.

Conector Macho	Tubo x Rosca	Conector Fêmea	Tubo x Rosca
 16032 (PC)	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT	 16052 (PCF)	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
União	P/Tubo	Cotovelo Macho	Tubo x Rosca
 16042 (PUC)	1/4 5/16 3/8 1/2	 1606G2 (PL)	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
União Redução	P/Tubo	Cotovelo União	P/Tubo
 1604R2 (PG)	5/16 x 1/4 3/8 x 1/4 3/8 x 5/16 1/2 x 1/4 1/2 x 5/16 1/2 x 3/8	 16072 (PUL)	1/4 5/16 3/8 1/2

Tee M. Central Gir.	Tubo x Rosca
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT

16102 (PT)

Y Macho Giratório	Tubo x Rosca
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT

16132 (PWT)

Tee M. Laterl Gir.	Tubo x Rosca
	1/4 x 1/8 NPT
	1/4 x 1/4 NPT
	1/4 x 3/8 NPT
	5/16 x 1/8 NPT
	5/16 x 1/4 NPT
	5/16 x 3/8 NPT
	3/8 x 1/8 NPT
	3/8 x 1/4 NPT
	3/8 x 3/8 NPT
	3/8 x 1/2 NPT
	1/2 x 1/4 NPT
	1/2 x 3/8 NPT
	1/2 x 1/2 NPT

16112 (PT)

Y União	P/Tubo
	1/4
	5/16
	3/8
	1/2

16142 (PY)

Tee União	P/Tubo
	1/4
	5/16
	3/8
	1/2

16122 (PUT)

Y União Redução	P/Tubo
	5/16 x 1/4
	3/8 x 1/4
	3/8 x 5/16
	1/2 x 5/16
	1/2 x 3/8

1614R2 (PW)

Tee União Redução	P/Tubo
	5/16 x 1/4
	3/8 x 1/4
	3/8 x 5/16
	1/2 x 5/16
	1/2 x 3/8

1612R2 (PTG)

União Painel	P/Tubo
	1/4
	5/16
	3/8
	1/2

16152 (PMM)

Passa Painel	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
16162 (PMF)	

Silenciador Mini	P/Tubo
	1/4 5/16 3/8 1/2
16182 (BSLM)	

Cruzeta União	P/Tubo
	1/4 5/16 3/8 1/2
16172 (PZA)	

Silenciador Cônico	P/Tubo
	1/4 5/16 3/8 1/2
16232 (BSL)	

Conexões Instantâneas Plásticas Milímetro - BSP e BSPT

Regulador de Fluxo	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 1/4 x 3/8 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 5/16 x 3/8 NPT 3/8 x 1/8 NPT 3/8 x 1/4 NPT 3/8 x 3/8 NPT 3/8 x 1/2 NPT 1/2 x 1/4 NPT 1/2 x 3/8 NPT 1/2 x 1/2 NPT
16202 (NSE)	

Conector Macho	Tubo x Rosca	Tubo x Rosca
	4MM x M5p0,8 4MM x M6p0,8 4MM x 1/8 4MM x 1/4 4MM x 3/8 6MM x M5p0,8 6MM x M6p0,8 6MM x 1/8 6MM x 1/4 6MM x 3/8 6MM x 1/2 8MM x 1/8	8MM x 1/4 8MM x 3/8 8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 10MM x 1/2 12MM x 1/4 12MM x 3/8 12MM x 1/2 16MM x 3/8 16MM x 1/2
16032 e 1603B2 (PC)		

Regulador TB/TB	P/Tubo
	1/4 5/16 3/8 1/2
16212 (NSF)	

União	P/Tubo
	4MM 6MM 8MM 10MM 12MM 16MM
16042 (PUC)	

União Redução	P/Tubo
	6MM x 4MM 8MM x 6MM 10MM x 6MM 10MM x 8MM 12MM x 8MM 12MM x 10MM 16MM x 10MM 16MM x 12MM
1604R2 (PG)	

Tee M. Central Gir.	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 4MM x 1/4 6MM x 1/8 6MM x 1/4 6MM x 3/8 6MM x 1/2 8MM x 1/8 8MM x 1/4 8MM x 3/8	8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 10MM x 1/2 12MM x 1/4 12MM x 3/8 12MM x 1/2
16102 e 1610GB2 (PT)		

Conector Fêmea	P/Tubo
	4MM x 1/8 4MM x 1/4 4MM x 3/8 6MM x 1/8 6MM x 1/4 6MM x 3/8 8MM x 1/8 8MM x 1/4 8MM x 3/8 8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 10MM x 1/2 12MM x 1/4 12MM x 3/8 12MM x 1/2
16052 e 1605B2 (PCF)	

Tee M. Laterl Gir.	Tubo x Rosca	Tubo x Rosca
	4MM x 1/8 4MM x 1/4 6MM x 1/8 6MM x 1/4 6MM x 3/8 8MM x 1/8 8MM x 1/4 8MM x 3/8	8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 10MM x 1/2 12MM x 1/4 12MM x 3/8 12MM x 1/2
16112 e 1611GB2 (PST)		

Cotovelo M. Giratório	Tubo x Rosca	Tubo x Rosca
	4MM x M5p0,8 4MM x M6p0,8 4MM x 1/8 4MM x 1/4 6MM x M5p0,8 6MM x M6p0,8 6MM x 1/8 6MM x 1/4 6MM x 3/8 6MM x 1/2 8MM x 1/8 8MM x 1/4	8MM x 3/8 8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 10MM x 1/2 12MM x 1/4 12MM x 3/8 12MM x 1/2 16MM x 3/8 16MM x 1/2
16062 e 1606GB2 (PL)		

Tee União	P/Tubo
	4MM 6MM 8MM 10MM 12MM 16MM
16042 (PUC)	

Cotovelo União	P/Tubo
	4MM 6MM 8MM 10MM 12MM 16MM
16072 (PUL)	

Tee União Redução	P/Tubo
	6MM x 4MM 8MM x 6MM 10MM x 6MM 10MM x 8MM 12MM x 8MM 12MM x 10MM 16MM x 10MM 16MM x 12MM
1604R2 (PG)	

Y Macho Giratório	Tubo x Rosca	Regulador TB/TB	P/Tubo
	4MM x 1/8 4MM x 1/4 6MM x 1/8 6MM x 1/4 6MM x 3/8 8MM x 1/8 8MM x 1/4 8MM x 3/8 10MM x 1/8 10MM x 1/4 10MM x 3/8 12MM x 1/4 12MM x 3/8 12MM x 1/2		4MM 6MM 8MM 10MM 12MM 16MM
16132 e 1613GB2(PWT)		16212 (NSF)	

Y União	P/Tubo
	4MM 6MM 8MM 10MM 12MM 16MM
16142 (PY)	

Cruzeta União	P/Tubo
	4MM 6MM 8MM 10MM 12MM 16MM
16172 (PZA)	

Regulador de Fluxo	Tubo x Rosca
	4MM x M5p0,8 4MM x 1/4 6MM x M5p08 6MM x 1/8 6MM x 1/4 6MM x 3/8 8MM x 1/8 8MM x 1/4 8MM x 3/8 8MM x 1/2 10MM x 1/8 10MM x 1/4 10MM x 3/8 12MM x 1/4 12MM x 3/8 12MM x 1/2
16202 e 1620B2 (NSE)	

Conexões Engate Rápido Milímetro

Unões, porcas e luvas frezadas em latão extrudado (CLA - 360)

Cotovelos e tees em latão forjado (CLA - 377)

Conexões desenvolvidas para atender sistemas de freio de acordo com as normas SAEJ1402, J1644 e ISO 9227.

Não possui partes de materiais plásticos, não necessita o uso de ferramentas e quanto maior a tração do tubo, melhor a fixação.

Pressão de trabalho de acordo com a pressão máxima do tubo de poiamida (Nylon)

Linha vendida com lote mínimo de 20 pçs cada

Conector Macho	Tubo x Rosca	Tubo x Rosca	União Redução	P/Tubo
 17032	6MM x M10 6MM x M12 6MM x M16 8MM x M12 8MM x M16 8MM x M22 10MM x M12 10MM x M16 10MM x M22 12MM x M12 12MM x M16	12MM x M22 16MM x M16 16MM x M22 8MM x 1/4 NPT 8MM x 3/8 NPT 8MM x 1/2 NPT 10MM x 1/4 NPT 10MM x 3/8 NPT 12MM x 1/4 NPT 12MM x 3/8 NPT 16MM x 1/4 NPT	 1704R2	8MM x 6MM 10 MM x 8MM 12MM x 8 MM 12MM x 10MM 16MM x 8MM 16MM x 10MM 16MM x 12MM
União	P/Tubo	Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
 17042	6MM 8MM 10MM 12MM 16MM	 17062	6MM x M10 6MM x M12 6MM x M16 8MM x M12 8MM x M16 8MM x M22 10MM x M12 10MM x M16 10MM x M22 12MM x M12	12MM x M16 12MM x M22 16MM x M16 16MM x M22 8MM x 1/4 NPT 8MM x 3/8 NPT 8MM x 1/2 NPT 10MM x 1/4 NPT 12MM x 1/4 NPT
Tee Macho Central	Tubo x Rosca	Tee Macho Lateral	Tubo x Rosca	
 17102	6MM x M12 6MM x M16 8MM x M12 8MM x M16 10MM x M16 10MM x M22 12MM x M16 12MM x M22 16MM x M16 16MM x M22	 17112	6MM x M12 6MM x M16 8MM x M12 8MM x M16 10MM x M16 10MM x M22 12MM x M16 12MM x M22 16MM x M16 16MM x M22	



Tee União	P/Tubo
	6MM 8MM 10MM 12MM 16MM
17122	

União	P/Tubo
	1/4 5/16 3/8 1/2 5/8
17042	

União Anteparo Randon	Tubo x Rosca
	8MM x M16 10MM x M16 12MM x M16 10MM x 1/2
17132	

Cotovelo Macho	Tubo x Rosca	Tubo x Rosca
	1/4 x 1/8 1/4 x 1/4 5/16 x 1/8 5/16 x 1/4 3/8 x 1/8 3/8 x 1/4 3/8 x 3/8 1/2 x 1/4 1/2 x 3/8 1/2 x 1/2	1/4 x M12 1/4 x M16 3/8 x M12 3/8 x M16 3/8 x M22 1/2 x M12 1/2 x M16 1/2 x M22 5/8 x M16 5/8 x M22
17062		

Tee Tubo Latelal	Tubo x Rosca
	6MM x M16 8MM x M16 10MM x M16 12MM x M16 16MM x M16
17142	

Tee Macho Central	Tubo x Rosca
	1/4 x 1/8 1/4 x 1/4 5/16 x 1/8 5/16 x 1/4 3/8 x 1/8 3/8 x 1/4 1/2 x 1/4 1/2 x 3/8 1/2 x 1/2
17102	

União Anteparo	Tubo x Rosca
	8MM x M16 10MM x M16 12MM x M16 16MM x M16
17152	

Tee Macho Lateral	Tubo x Rosca
	3/8 x 3/8
17112	

Conexões Engate Rápido Polegada

Conector Macho	Tubo x Rosca	Tubo x Rosca
	1/4 x 1/8 1/4 x 1/4 5/16 x 1/8 5/16 x 1/4 3/8 x 1/8 3/8 x 1/4 3/8 x 3/8 1/2 x 1/4 1/2 x 3/8 1/2 x 1/2	1/4 x M12 1/4 x M16 3/8 x M12 3/8 x M16 3/8 x M22 1/2 x M12 1/2 x M16 1/2 x M22 5/8 x M16 5/8 x M22
17032		

Tee União	P/Tubo
	1/4 5/16 3/8 1/2 5/8
17122	



Válvulas

Válvulas de agulha, para baixa pressão, tipo angular.

Corpo forjado em latão (Liga UNS-C37700-TM) que proporcionam maior dureza e resistência contra golpes, choques mecânicos e vibrações, com absoluta inexistência de porosidade e trincas.

Gaxetas em teflon para temperaturas -40°C até +220°C.

Agulha em inox, que permitem absoluta precisão no controle de fluxo sob condições de alta pressão.

Recomendada para pressão de trabalho de até 3500 libras/pol², em temperatura ambiente.

Para aplicações em instalações de equipamentos pneumáticos, indústria de papel, instrumentações e outros.

Válvulas da serie: Alta pressão, estreminadas com porca e anilha, ideal para tubo de cobre, latão, alumínio, bundy, aço e similares.

Válvula de Segurança	Rosca	Válvula Dreno Agulha	Rosca
 05242	1/4 NPT 3/8 NPT	 05302	1/8 NPT 1/4 NPT 3/8 NPT
Válvula Dreno Borboleta	Rosca	Válvula Globo M/M	Rosca
 05252	1/8 NPT 1/4 NPT 3/8 NPT	 2011C2 / CP	1/8 NPT 1/4 NPT 3/8 NPT
Válvula Globo F/F	Rosca	Válvula Globo M/F	Rosca
 2012C2 / CP	1/8 NPT 1/4 NPT 3/8 NPT	 2019C2 / CP	1/8 NPT 1/4 NPT 3/8 NPT



Válvula Globo TB/M	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 3/8 x 1/4 NPT
2013C2 / CP	

Válvula Globo TB/TB	P/ Tubo
	1/4 3/8
2910C2 / CP	

Válvula Globo TB/TB	P/ Tubo
	1/4 3/8
2014C2 / CP	

Válvula Globo TB/M	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 3/8 x 1/4 NPT
2911C2 / CP	

Válvula Angular M/M	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT
2015C2 / CP	

Válvula Angular TB/M	Tubo x Rosca
	1/4 x 1/8 NPT 1/4 x 1/4 NPT 3/8 x 1/4 NPT
2912C2 / CP	

Válvula Angular F/F	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT
2016C2 / CP	

Válvula Esfera F/F	Rosca
	1/4 NPT 3/8 NPT 1/2 NPT
2042C2 / CP	

Válvula Esfera 3 vias F	Rosca
	1/4 NPT 3/8 NPT 1/2 NPT
2044C2 / CP	

Válvula Agulha M/F	Rosca
	1/8 NPT 1/4 NPT 3/8 NPT
2106C2 / CP	

Válvula Esfera M/F  2052C2 / CP	Rosca 1/4 NPT 3/8 NPT 1/2 NPT	Válvula Agulha Mang  2173C2 / CP	P/ Tubo 1/8 1/4 5/16 3/8
Válvula Esfera TB/TB  2063C2 / CP	P/ Tubo 1/4 5/16 3/8 1/2	Válvula Agulha Mang/M  2174C2 / CP	Tubo x Rosca 1/4 x 1/8 NPT 1/4 x 1/4 NPT 5/16 x 1/8 NPT 5/16 x 1/4 NPT 3/8 x 1/4 NPT
Válvula Agulha M/M  2164C2 / CP	Rosca 1/8 NPT 1/4 NPT 3/8 NPT	Válvula Dreno Freio  21932	Rosca 1/2 BSP M22
Válvula Agulha F/F  2165C2 / CP	Rosca 1/8 NPT 1/4 NPT 3/8 NPT	Rubinete M/F  22662	Rosca 1/8 NPT 1/4 NPT
Rubinete Mang/M  22742	Tubo x Rosca 1/4 x 1/4 NPT 3/8 x 1/4 NPT 1/2 x 1/4 NPT	Válvula Esfera Mini M/F  24772	Rosca 1/8 BSP 1/4 BSP 3/8 BSP 1/2 BSP

Válvula Alavanca PP M/F	Rosca
	1/4 BSP 3/8 BSP 1/2 BSP 3/4 BSP
24642	

Válvula Esfera Mini F/F	Rosca
	1/8 BSP 1/4 BSP 3/8 BSP 1/2 BSP
24782	

Válvula Alavanca PP F/F	Rosca
	1/4 BSP 3/8 BSP 1/2 BSP 3/4 BSP
24652	

Válvula Esfera Mini M/M	Rosca
	1/8 BSP 1/4 BSP 3/8 BSP 1/2 BSP
24792	

Válvula Borboleta PP M/F	Rosca
	1/4 BSP 3/8 BSP 1/2 BSP 3/4 BSP
24662	

Válvula Borboleta PP F/F	Rosca
	1/4 BSP 3/8 BSP 1/2 BSP 3/4 BSP
24672	

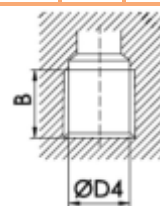
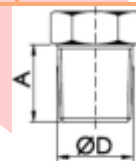
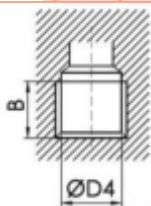
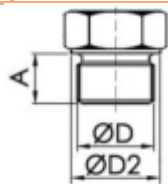
Informações Técnicas

Rosca Paralela BSP

Rosca Cônica NPT

Rosca Thread Rosca	Fios p/ Polegada Wires p/ Inch Los cables p/ pulg.	A	B	D	D2	D4
1/8	28 Fios	8	10	9,6	14	8,8
1/4	19 Fios	12	13	13	18	11,8
3/8	19 Fios	12	15	16,5	22	15,3
1/2	14 Fios	19	16	20,8	26	19
3/4	14 Fios	19	17	26,3	32	24,5
1	11 Fios	24	20	33	39	30,7
1 1/4	11 Fios	25	22	41,8	49	39,6
1 1/2	11 Fios	25,5	22	47,7	55	45,4
2	11 Fios	26	24	59,5	68	57,2
2 1/2	11 Fios	38,5	26	75	87	72,7
3	11 Fios	40	28	87,7	103	85,5

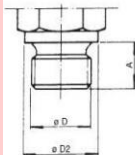
Rosca Thread Rosca	Fios p/ Polegada Wires p/ Inch Los cables p/ pulg.	A	B	D	D4
1/8	27 Fios	9,5	9	10,4	8,5
1/4	18 Fios	14,2	12,5	13,9	11,2
3/8	18 Fios	14,2	13,5	17,3	14,5
1/2	14 Fios	19	16,5	21,6	18
3/4	14 Fios	19	17,5	27	24
1	11 1/2 Fios	24	20,5	33,7	30
1 1/4	11 1/2 Fios	25	21	42,5	38,8
1 1/2	11 1/2 Fios	25,5	21	48,7	45
2	11 1/2 Fios	26	22	60,7	57
2 1/2	8 Fios	38,5	30	73,5	68
3	8 Fios	40	32	89,4	84



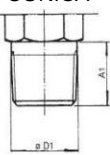
Rosca Métrica Cônica e Paralela

Rosca Paralela	Rosca Cônica	Rosca C/ O'ring	A	B	D	D2	D3	D4
M8p1	Mk8p1		8	11	8	12		7
M10p1	Mk10p1	M10p1	8	11	10	14	18	9
M12p1,5	Mk12p1,5	M12p1,5	12	15	12	17	20	10,5
M14p1,5	Mk14p1,5	M14p1,5	12	15	14	19	22	12,5
M16p1,5	Mk16p1,5	M16p1,5	12	15	16	21	24,2	14,5
M18p1,5	Mk18p1,5	M18p1,5	12	16	18	23	26,5	16,5
M20p1,5			14	17	20	25		18,5
M22p1,5	Mk22p1,5	M22p1,5	14	17	22	27	30	20,5
M26p1,5	Mk26p1,5		16	19	26	31		24,5
M27p2		M27p2	16	19	27	32	40	25
M33p2		M33p2	18	21	33	39	46	31

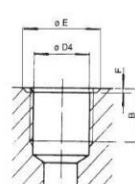
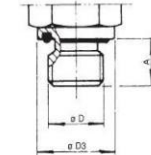
PARALELA



CÔNICA



COM O-RING

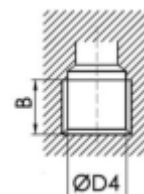
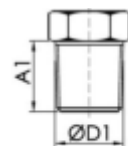
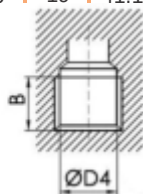
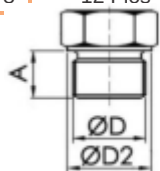


Rosca UNF Rosca UNF

Rosca Thread Rosca	Fios p/ Polegada Wires p/ Inch Los cables p/ pulg.	A	B	D	D4
5/16	24 Fios	7,5	10	7,8	6,9
3/8	24 Fios	7,5	10	9,4	8,5
7/16	20 Fios	9,2	11,5	11,0	9,8
1/2	20 Fios	9,2	11,5	12,6	11,5
9/16	18 Fios	10	12,7	14,1	12,9
3/4	16 Fios	11,1	14,2	18,9	17,5
7/8	14 Fios	12,7	16,5	22,1	20,5
1 1/16	12 Fios	15	19	26,8	24,9
1 3/16	12 Fios	15	19	30	28
1 5/16	12 Fios	15	19	33,1	31,2
1 5/8	12 Fios	15	19	41,1	39,2

Rosca Cônica BSPT

Rosca Thread Rosca	Fios p/ Polegada Wires p/ Inch Los cables p/ pulg.	A	B	D	D4
1/8	28 Fios	10	9	10,1	8,8
1/4	19 Fios	14,2	12,5	13,7	11,8
3/8	19 Fios	14,2	13,5	17,2	15,5
1/2	14 Fios	19	16,5	21,6	19
3/4	14 Fios	19	17,5	27	24,5
1	11 Fios	24	20,5	34,1	30,7
1 1/4	11 Fios	25	21	42,7	39,6
1 1/2	11 Fios	25,5	21	48,6	45,4
2	11 Fios	26	22	60	57,2
2 1/2	11 Fios	38,5	30	75,5	72,7
3	11 Fios	40	32	89	85,5

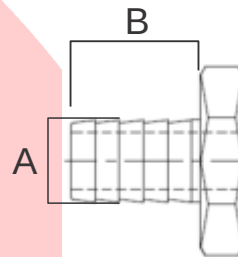


Medidas de Tubos

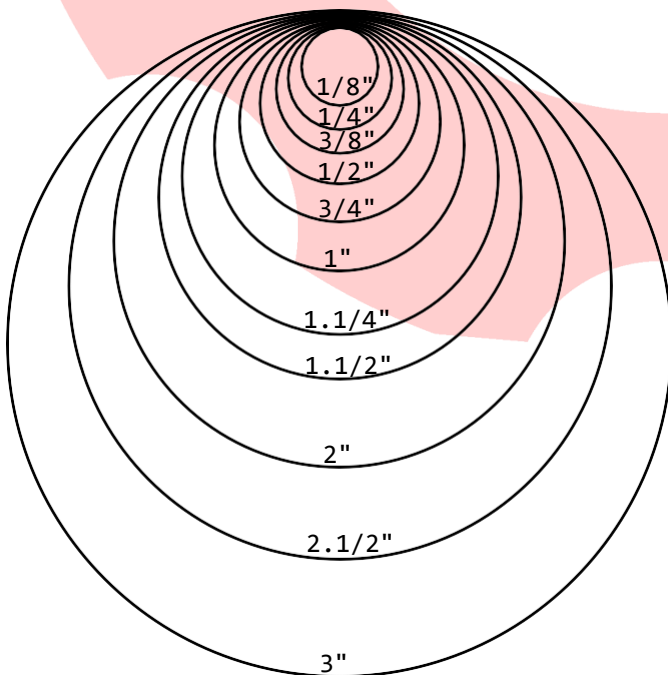
Diametro Diameter Diámetro	Nylon Nylon Nylon	Poliuretano Polyurethane Poliuretano	Polietileno Polyethylene Polietileno	Cobre Recoado Annealed copper Cobre Recocido
3/16	4,77 x 3,18		4,77 x 3,18	4,76 x 0,79
1/4	6,35 x 4,35	6,35 x 4,35	6,35 x 4,35	6,35 x 0,79
5/16	7,98 x 4,8		7,98 x 4,8	7,93 x 0,79
3/8	9,53 x 6,35	9,53 x 6,35	9,53 x 6,35	9,52 x 0,79
1/2	12,7 x 9,53	12,7 x 9,53	12,7 x 9,53	12,70 x 0,79
5/8	16,0 x 12,7		16,0 x 12,7	15,87 x 0,79
4 mm	4,0 x 2,0	4,0 x 2,5		
6 mm	6,0 x 4,0	6,0 x 4,0	6,0 x 4,0	
8 mm	8,0 x 4,0	8,0 x 5,0		
8 mm	8,0 x 5,0	8,0 x 5,5	8,0 x 5,0	
8 mm	8,0 x 6,0	8,0 x 6,0	8,0 x 6,0	
9 mm			9,0 x 6,0	
10 mm			10,0 x 6,0	
10 mm	10,0 x 7,0	10,0 x 7,0	10,0 x 7,0	
10 mm	10,0 x 8,0		10,0 x 8,0	
11 mm	11,0 x 8,0		11,0 x 8,0	
12 mm			12,0 x 8,0	
12 mm	12,0 x 9,0	12,0 x 8,0	12,0 x 9,0	
16 mm	16,0 x 12,0	16,0 x 11,0		

Bico de Mangueira
Hose Nozzle
Boquilla de La Manguera

Mangueira Hose Manguera	A	B
1/8	4,00	14,50
3/16	5,60	14,50
1/4	7,20	21,50
5/16	8,70	21,50
3/8	10,30	21,50
1/2	13,50	21,50
5/8	16,90	21,50
3/4	20,00	21,50
1	26,40	31
1 1/4	32,70	31
6 mm	6,80	21,50
8 mm	8,80	21,50
10 mm	10,80	21,50
12 mm	12,80	21,50
16 mm	16,90	21,50



Gabarito de Roscas
Feed back threads
Hilos Comentaros



GRUPO Hidrauluc



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