



Jooe

Válvulas e Conexões

01. Sobre a Nossa Empresa

Na Joee Válvulas e Conexões, somos especializados na fabricação e comercialização de conexões, válvulas e acessórios em aço inox AISI 316. Nos destacamos por oferecer soluções confiáveis e de alta qualidade para diversos setores, sempre seguindo os mais rigorosos padrões de segurança e desempenho.

02. Qualidade Garantida

Todos os nossos produtos passam por testes rigorosos para garantir a qualidade e o desempenho que nossos clientes precisam. Utilizamos exclusivamente aço inox AISI 316, conhecido por sua resistência à corrosão e durabilidade, sendo ideal para aplicações que exigem elevados níveis de eficiência e confiabilidade.

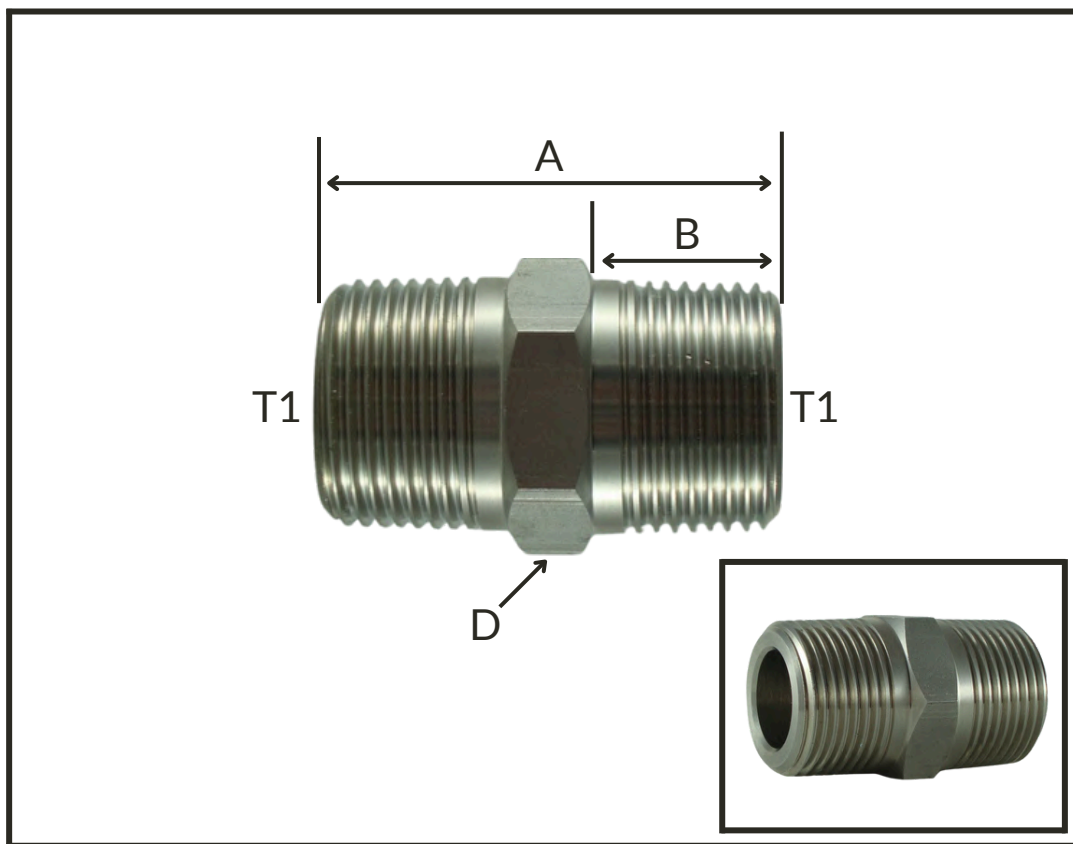
03. Nossa Linha de Produtos

Oferecemos uma linha completa de itens com alto padrão de qualidade, projetados para atender às mais diversas necessidades do mercado. Nossos produtos estão disponíveis em versões roscadas (NPT, BSP e/ou BSPT), com opção de dupla anilha e passagem para tubo, garantindo versatilidade e precisão mesmo nas aplicações mais exigentes.

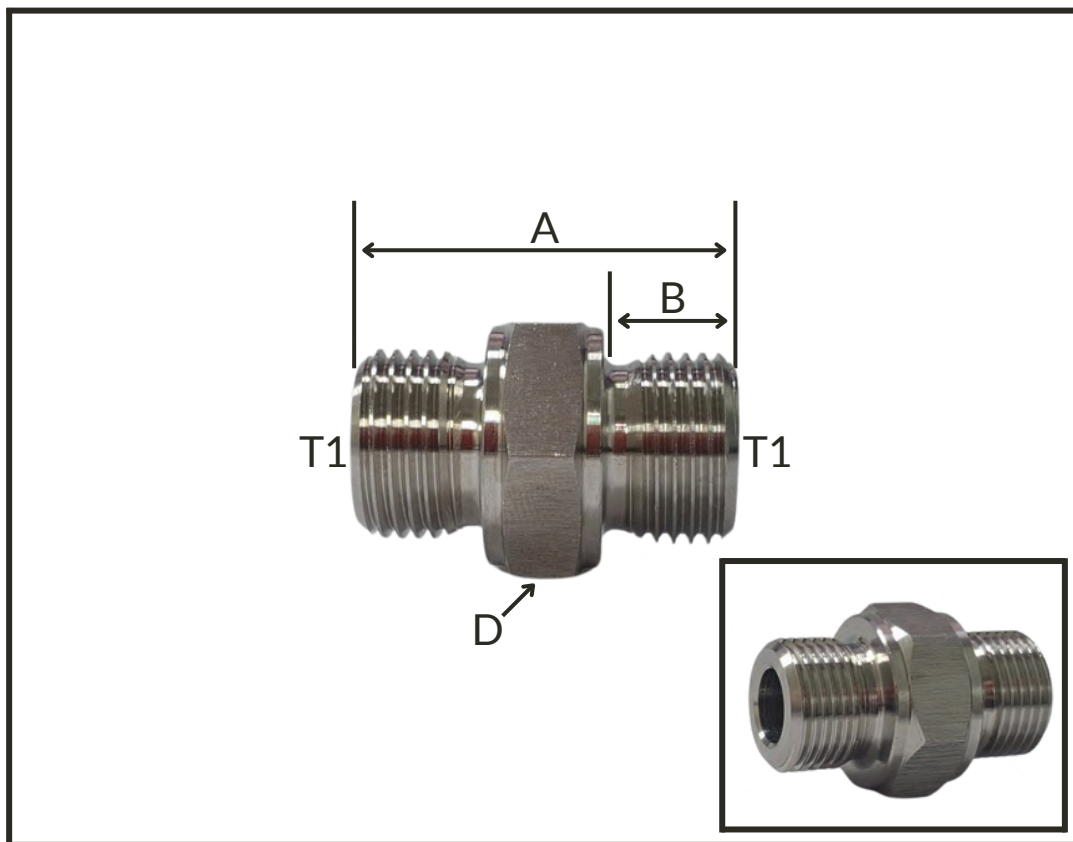
04. Nossa Missão e Valores

Na Joee, acreditamos que excelência vai além da fabricação. Por isso, buscamos sempre inovar, oferecer preços justos e construir relações transparentes com nossos clientes. Nosso compromisso é entregar soluções práticas, ágeis e que realmente façam a diferença no dia a dia de quem confia em nosso trabalho.

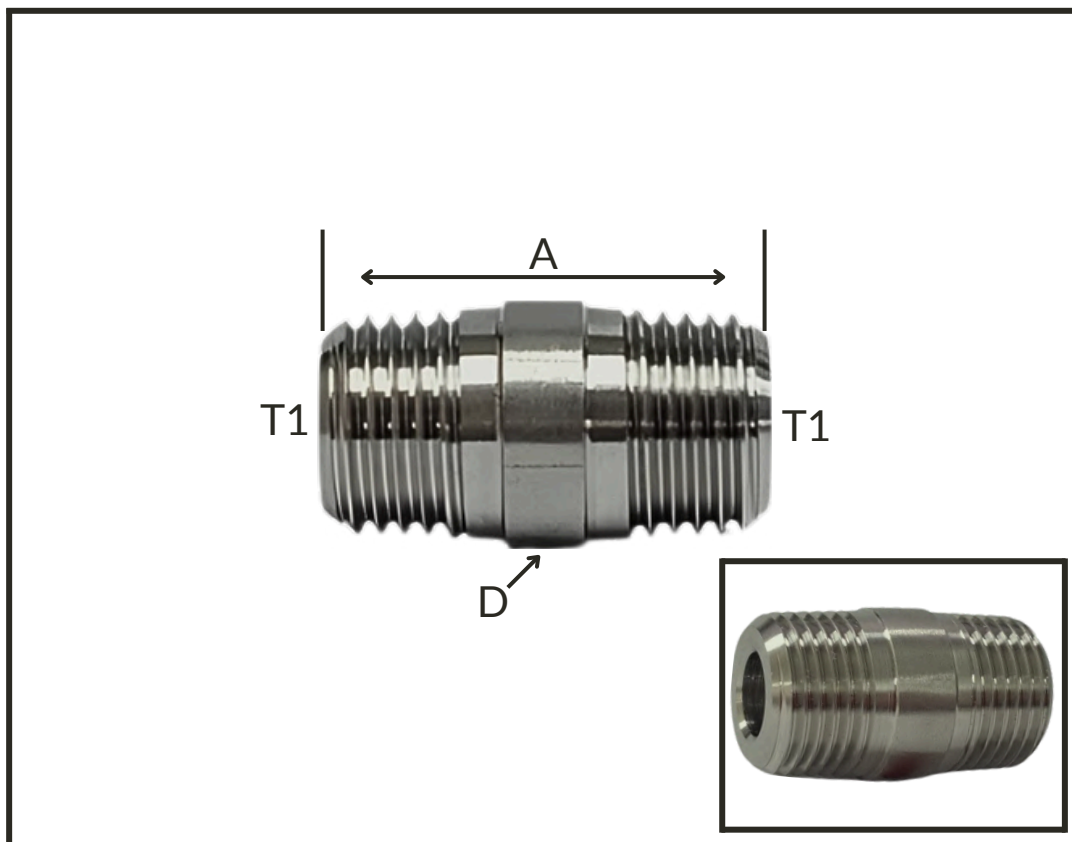
01.	Conexões Roscadas	
	Conexões Retas	04
	Conexões Angulares	??
02.	Conexões Anilhadas	
	Conexões Retas	??
	Conexões Angulares	??
03.	Informações Adicionais	
	Índice de Conteúdo	??
	Página de Contato	??



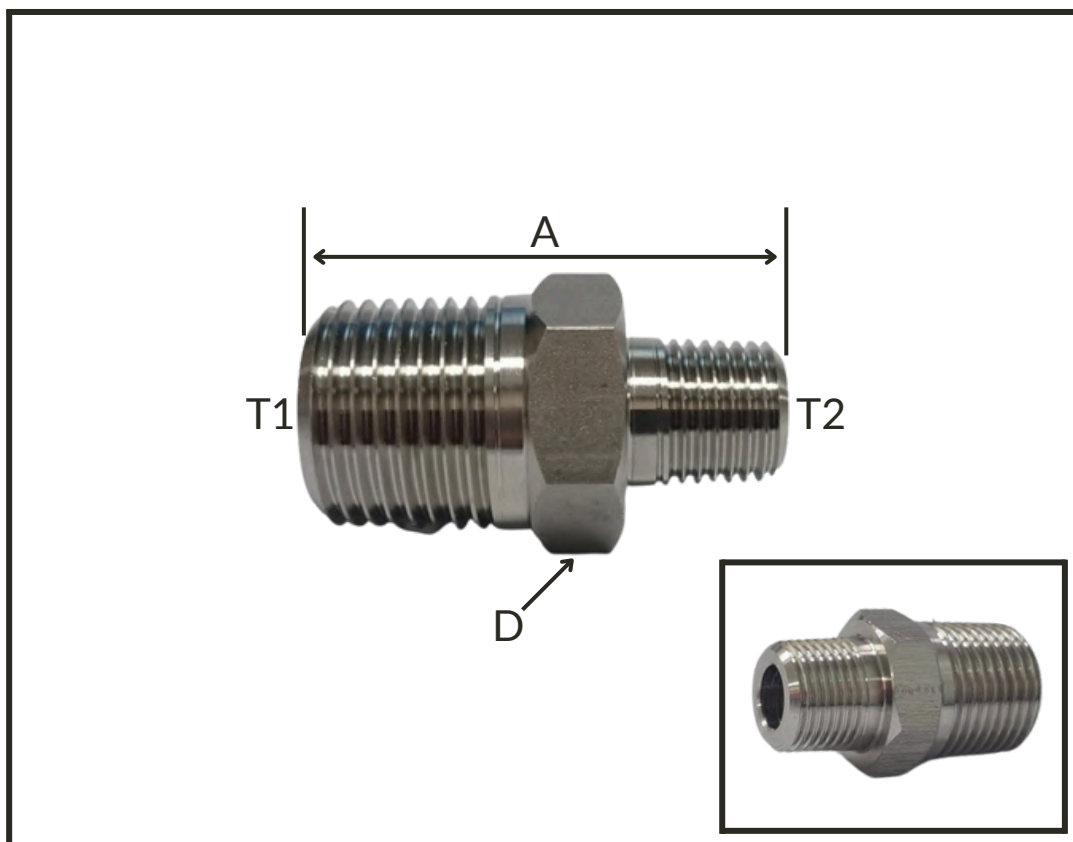
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL	MM	MM	POL
NS-2-316	1/8	24,4	9,7	7/16
NS-4-316	1/4	34,4	14,2	9/16
NS-6-316	3/8	34,4	14,2	11/16
NS-8-316	1/2	46	19	7/8
NS-12-316	3/4	46	19	1.1/16
NS-16-316	1	59	24	1.3/8



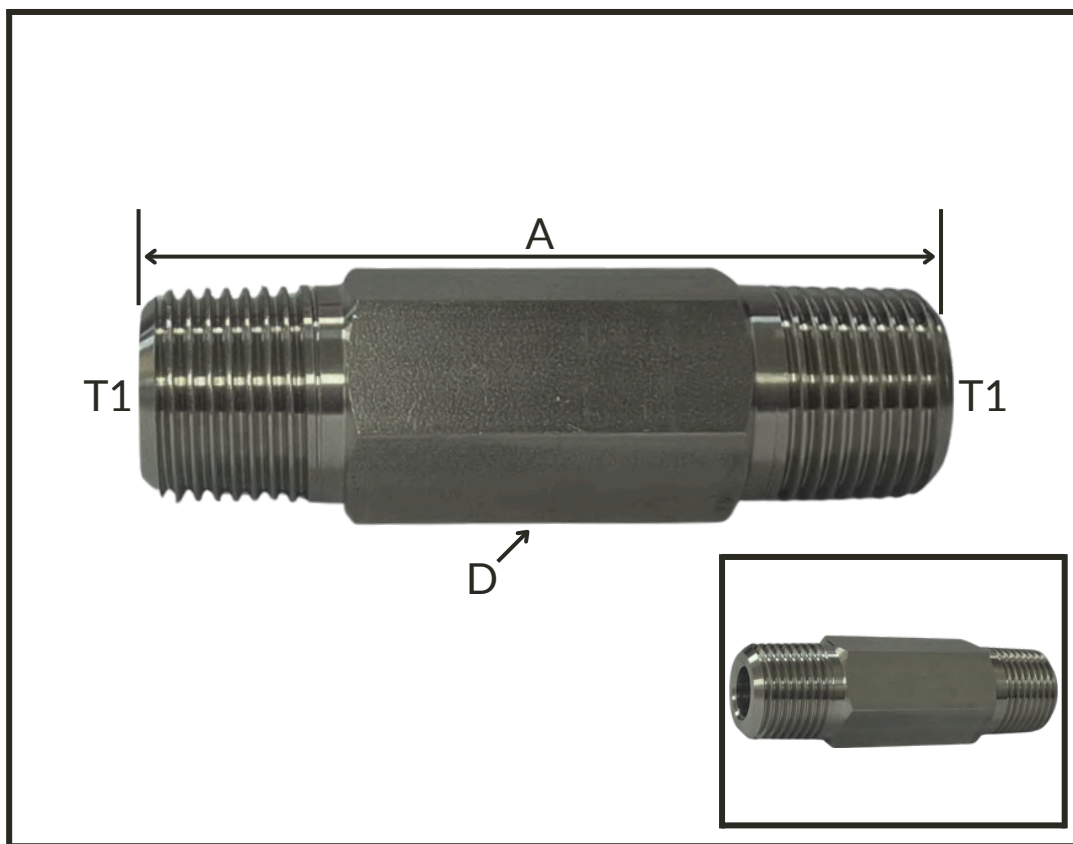
CÓDIGO	ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL	MM	MM	POL
NS-2B-316	1/8	23	8	9/16
NS-4B-316	1/4	32	12	3/4
NS-6B-316	3/8	32	12	7/8
NS-8B-316	1/2	38	14	1.1/16
NS-12B-316	3/4	42	16	1.1/4



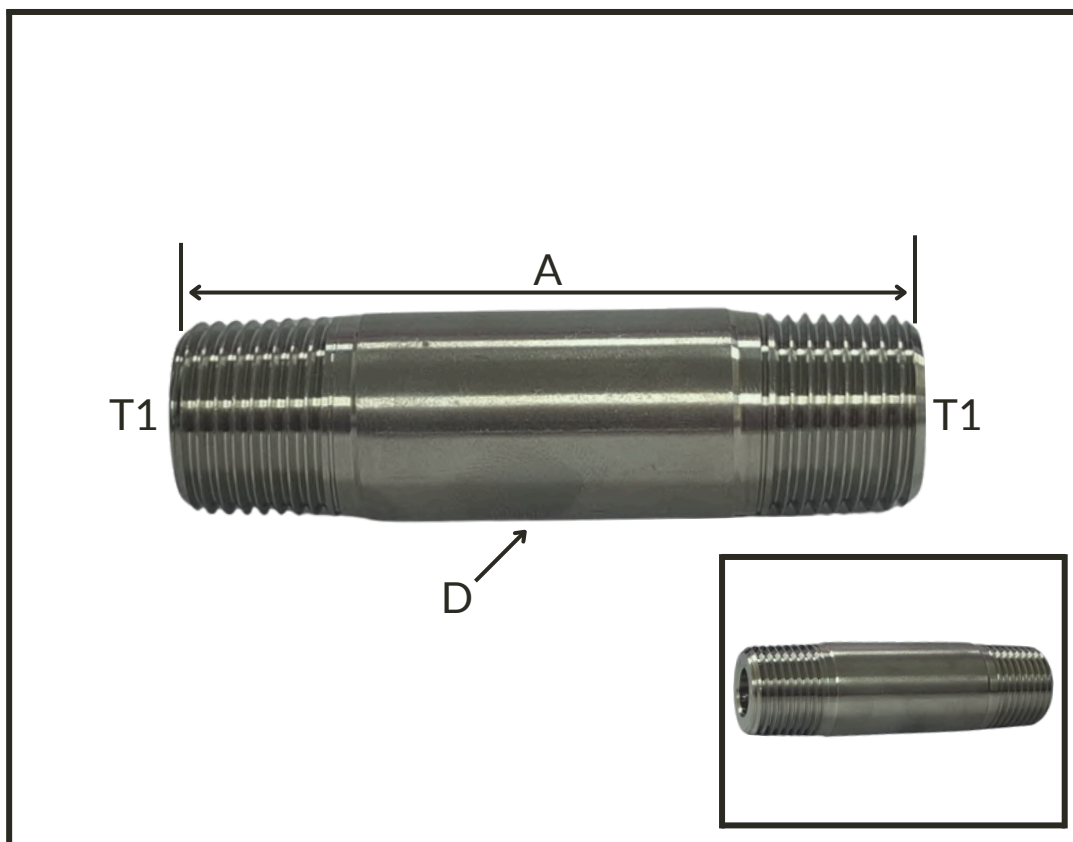
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
NR-2-316	1/8	19	7/16
NR-4-316	1/4	28,6	9/16
NR-6-316	3/8	28,6	11/16
NR-8-316	1/2	38,1	7/8
NR-12-316	3/4	38,1	1.1/16
NR-16-316	1	47,6	3/8



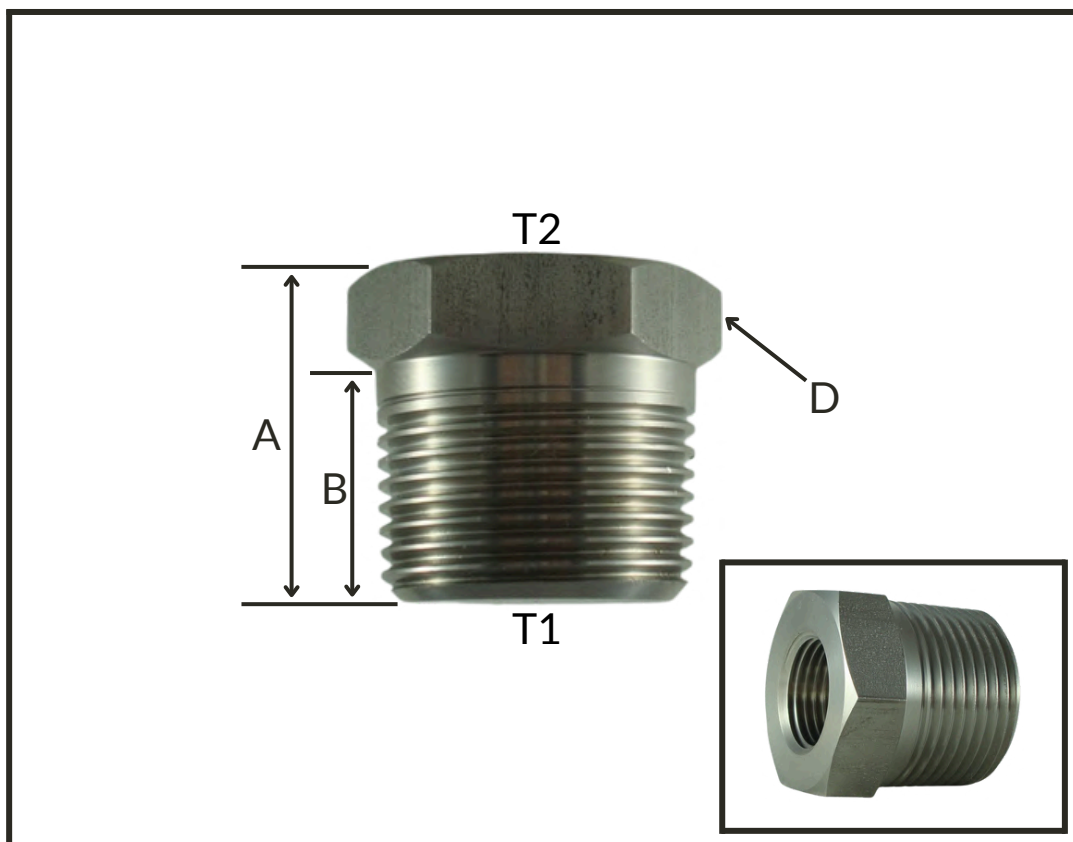
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	POL	POL	MM	POL
NRS-4.2-316	1/4	1/8	29,9	9/16
NRS-6.2-316	3/8	1/8	29,9	11/16
NRS-6.4-316		1/4	34,4	11/16
NRS-8.4-316	1/2	1/4	41,2	7/8
NRS-8.6-316		3/8	41,2	7/8
NRS-12.4-316	3/4	1/4	41,2	1.1/16
NRS-12.8-316		1/2	46	1.1/16
NRS-16.12-316	1	3/4	54	1.3/8



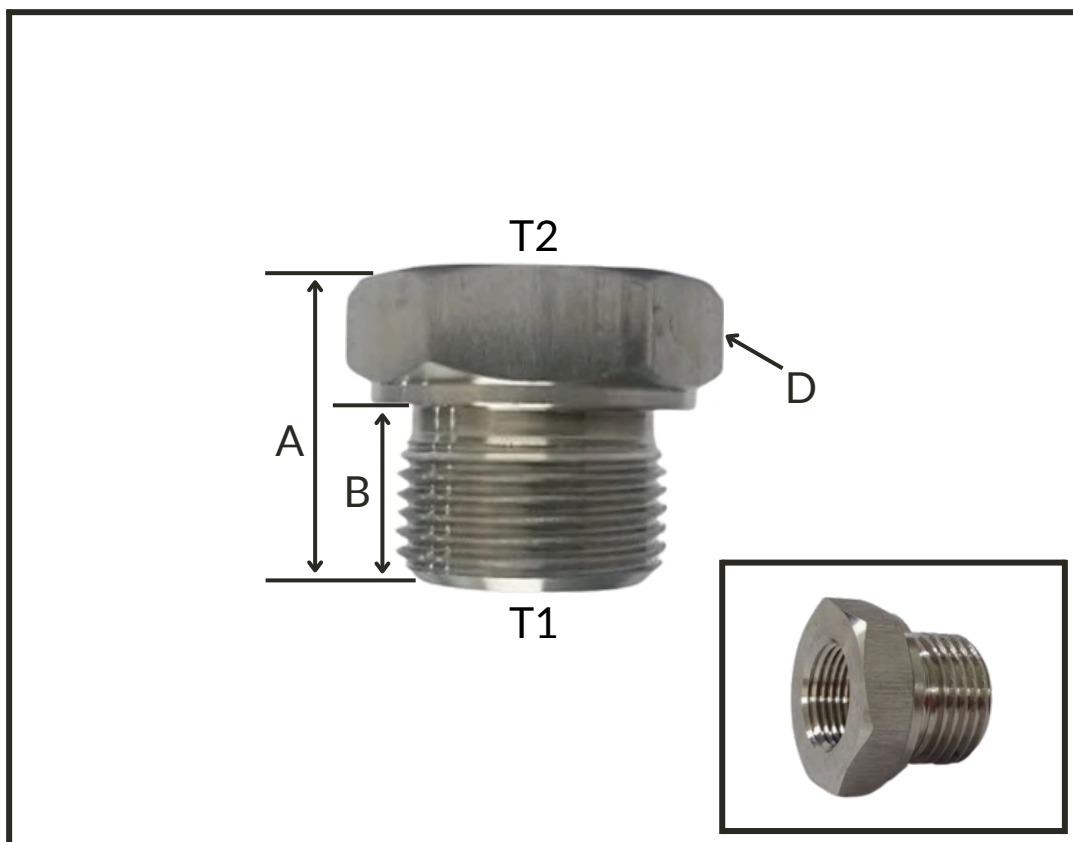
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)	DIÂMETRO DO FURO
	POL	POL MM	MM	POL
NS-2.24-316	1/8	1 1/2 38,1	7/16	4,8
NS-4.24-316	1/4		9/16	7,5
NS-4.32-316	1/4	2 50,8	9/16	7,5
NS-6.32-316	3/8		11/16	9
NS-4.40-316	1/4	2 1/2 63,5	9/16	7,5
NS-6.40-316	3/8		11/16	9
NS-8.40-316	1/2		7/8	10,5
NS-6.48-316	3/8	3 76,2	11/16	9
NS-8.48-316	1/2		7/8	10,5
NS-12.48-316	3/4		1 1/16	16
NS-12.56-316	3/4	3 1/2 88,9	1 1/16	16
NS-16.56-316	1		1 3/8	18
NS-12.64-316	3/4	4 101,6	1 1/16	16
NS-16.64-316	1		1 3/8	18



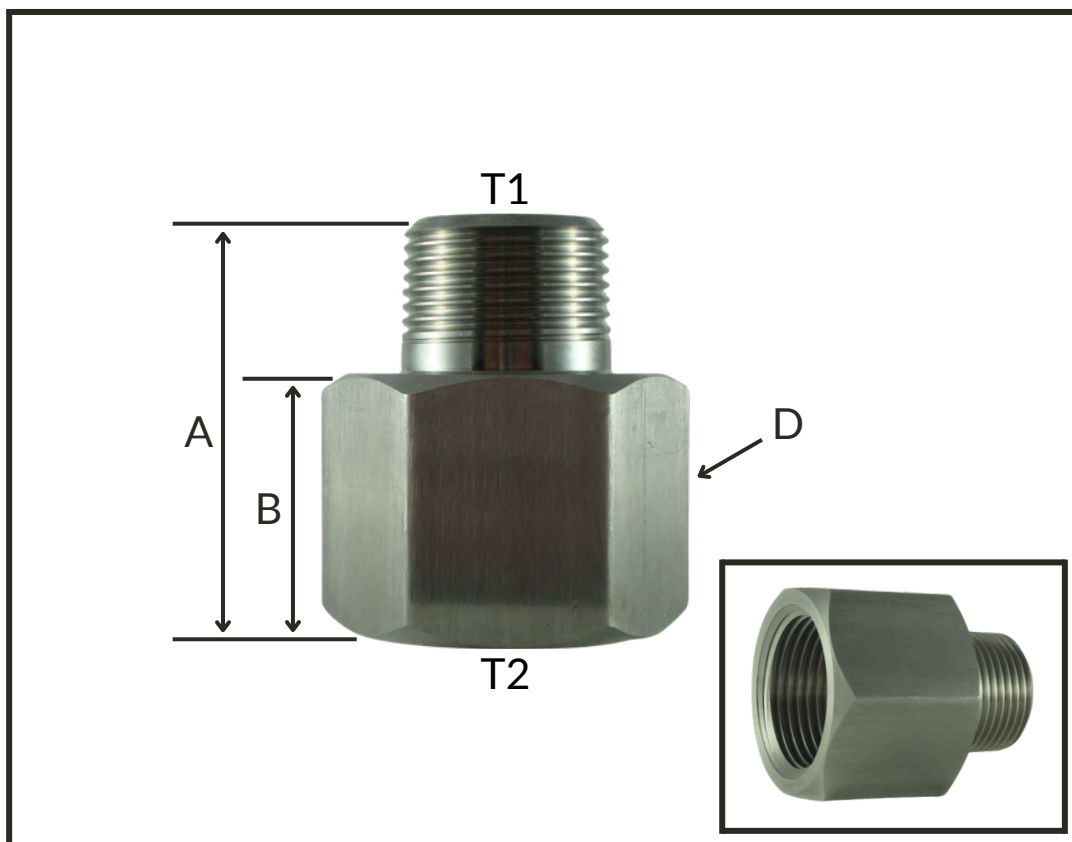
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)	DIÂMETRO DO FURO
	POL	POL MM	MM	POL
NR-2.24-316	1/8	1 1/2 38,1	7/16	4,8
NR-4.24-316	1/4		9/16	7,5
NR-4.32-316	1/4	2 50,8	9/16	7,5
NR-6.32-316	3/8		11/16	9
NR-4.40-316	1/4	2 1/2 63,5	9/16	7,5
NR-6.40-316	3/8		11/16	9
NR-8.40-316	1/2		7/8	10,5
NR-6.48-316	3/8	3 76,2	11/16	9
NR-8.48-316	1/2		7/8	10,5
NR-12.48-316	3/4		1 1/16	16
NR-12.56-316	3/4	3 1/2 88,9	1 1/16	16
NR-16.56-316	1		1 3/8	18
NR-12.64-316	3/4	4 101,6	1 1/16	16
NR-16.64-316	1		1 3/8	18



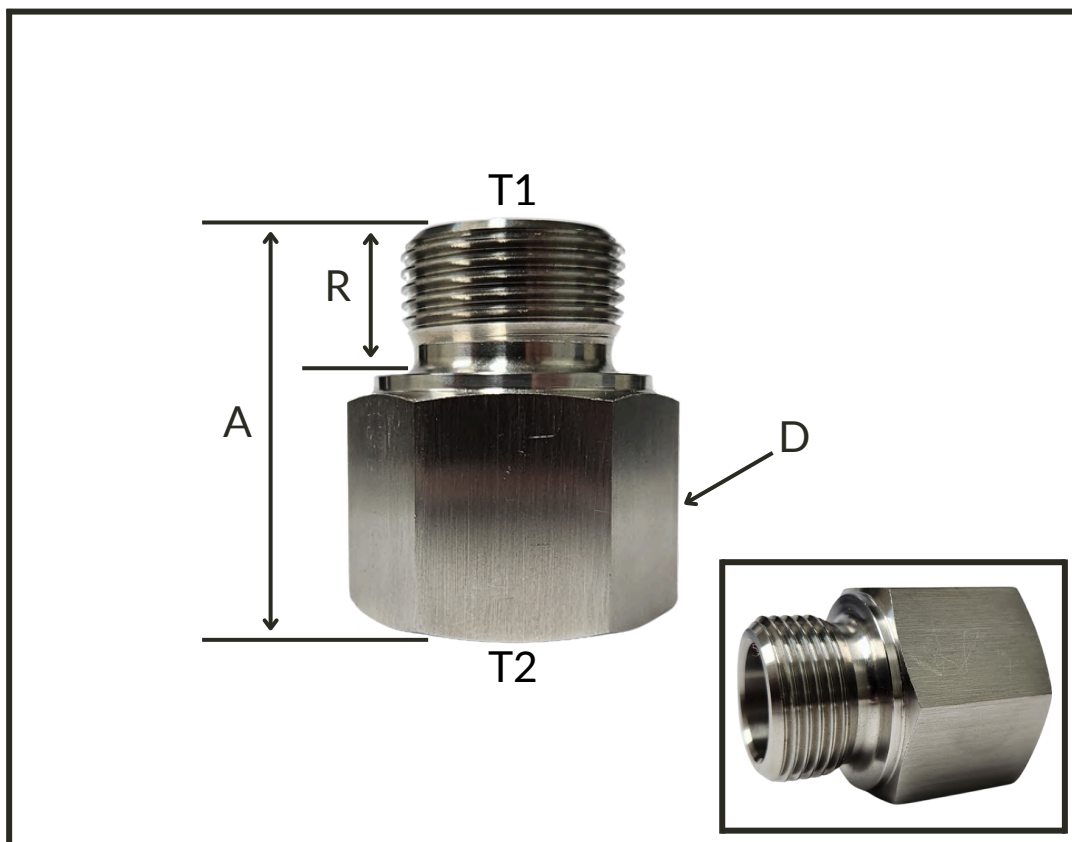
CÓDIGO	ROSCA NPT (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL	POL	MM	MM	POL
BRMF-4.2-316	1/4	1/8	20,2	14,2	9/16
BRMF-6.2-316	3/8	1/8	20,2	14,2	11/16
BRMF-6.4-316		1/4	20,2	14,2	11/16
BRMF-8.2-316	1/2	1/8	27	19	7/8
BRMF-8.4-316		1/4	27	19	7/8
BRMF-8.6-316		3/8	27	19	7/8
BRMF-12.2-316	3/4	1/8	27	19	1.1/16
BRMF-12.4-316		1/4	27	19	1.1/16
BRMF-12.6-316		3/8	27	19	1.1/16
BRMF-12.8-316		1/2	27	19	1.1/16
BRMF-16.4-316	1	1/4	35	24	1.3/8
BRMF-16.6-316		3/8	35	24	1.3/8
BRMF-16.8-316		1/2	35	24	1.3/8
BRMF-16.12-316		3/4	35	24	1.3/8



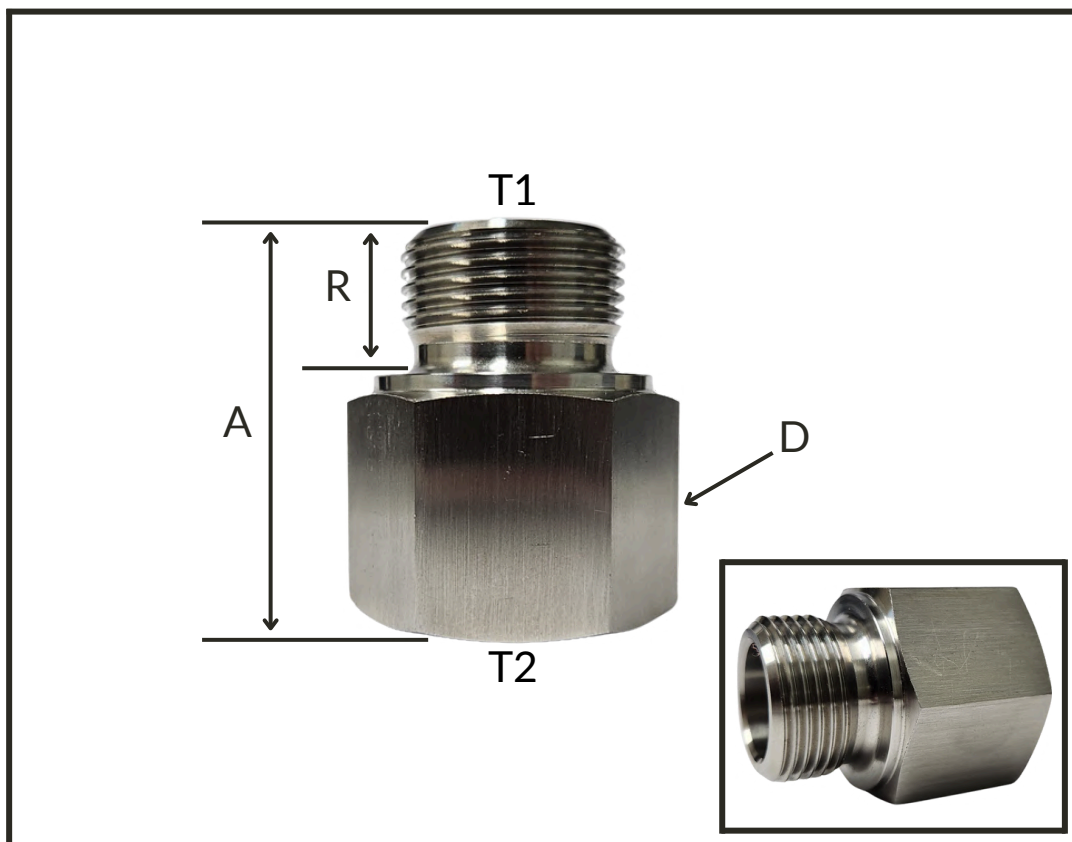
CÓDIGO	ROSCA BSP (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL	POL	MM	MM	POL
BRMF-4B.2B-316	1/4	1/8	20	12	3/4
BRMF-6B.2B-316	3/8	1/8	20	12	7/8
BRMF-6B.4B-316		1/4	20	12	7/8
BRMF-8B.2B-316	1/2	1/8	24	14	1.1/16
BRMF-8B.4B-316		1/4	24	14	1.1/16
BRMF-8B.6B-316		3/8	24	14	1.1/16
BRMF-12B.2B-316	3/4	1/8	28	16	1.1/4
BRMF-12B.4B-316		1/4	28	16	1.1/4
BRMF-12B.6B-316		3/8	28	16	1.1/4
BRMF-12B.8B-316		1/2	28	16	1.1/4
BRMF-16B.4B-316	1	1/4	31	18	1.5/8
BRMF-16B.6B-316		3/8	31	18	1.5/8
BRMF-16B.8B-316		1/2	31	18	1.5/8
BRMF-16B.12B-316		3/4	31	18	1.5/8



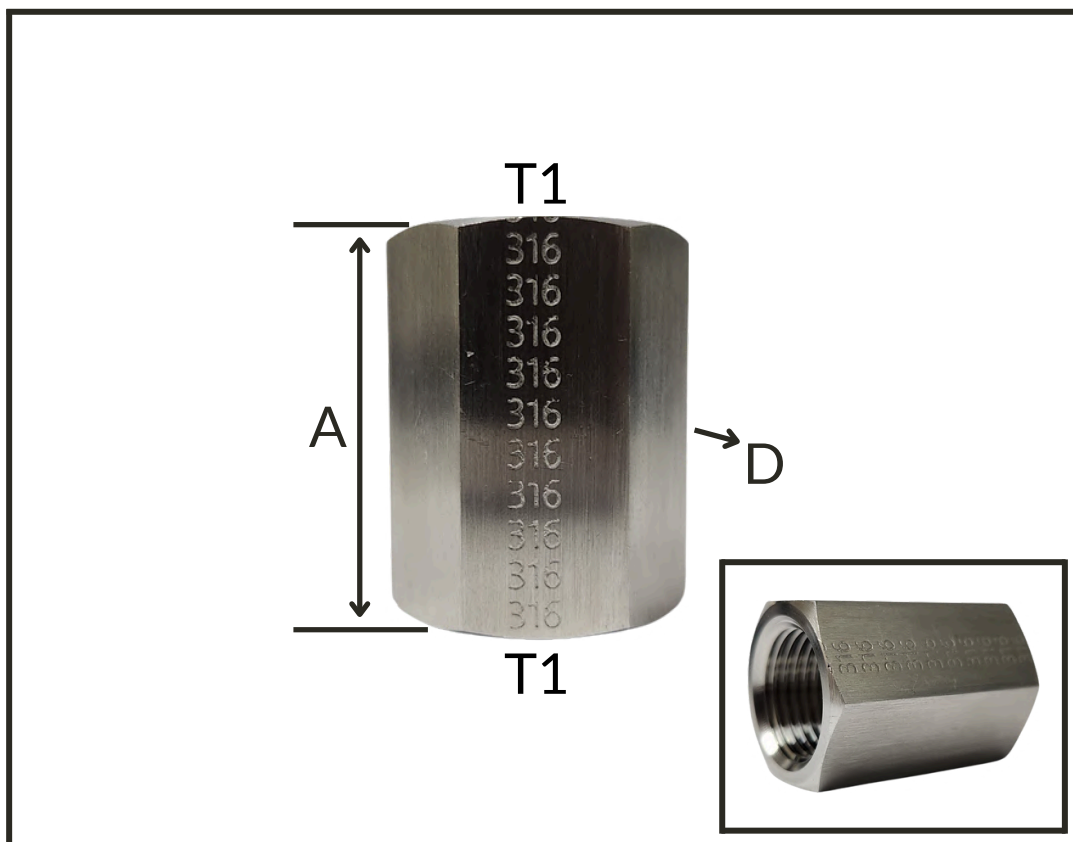
CÓDIGO	ROSCA NPT (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	MM	POL	MM	MM	POL
UMF-2-316	1/8	1/8	23,7	14	9/16
UMF-2.4-316	1/4	1/8	29,7	20	3/4
UMF-4-316		1/4	34,2	20	3/4
UMF-2.6-316	3/8	1/8	29,7	20	7/8
UMF-4.6-316		1/4	34,2	20	7/8
UMF-6-316		3/8	34,2	20	7/8
UMF-4.8-316	1/2	1/4	39,2	25	1.1/16
UMF-6.8-316		3/8	39,2	25	1.1/16
UMF-8-316		1/2	44	25	1.1/16
UMF-6.12-316	3/4	3/8	42,2	28	1.3/8
UMF-8.12-316		1/2	47	28	1.3/8
UMF-12-316		3/4	47	28	1.3/8
UMF-12.16-316	1	3/4	51	32	1.5/8
UMF-16-316		1	56	32	1.5/8



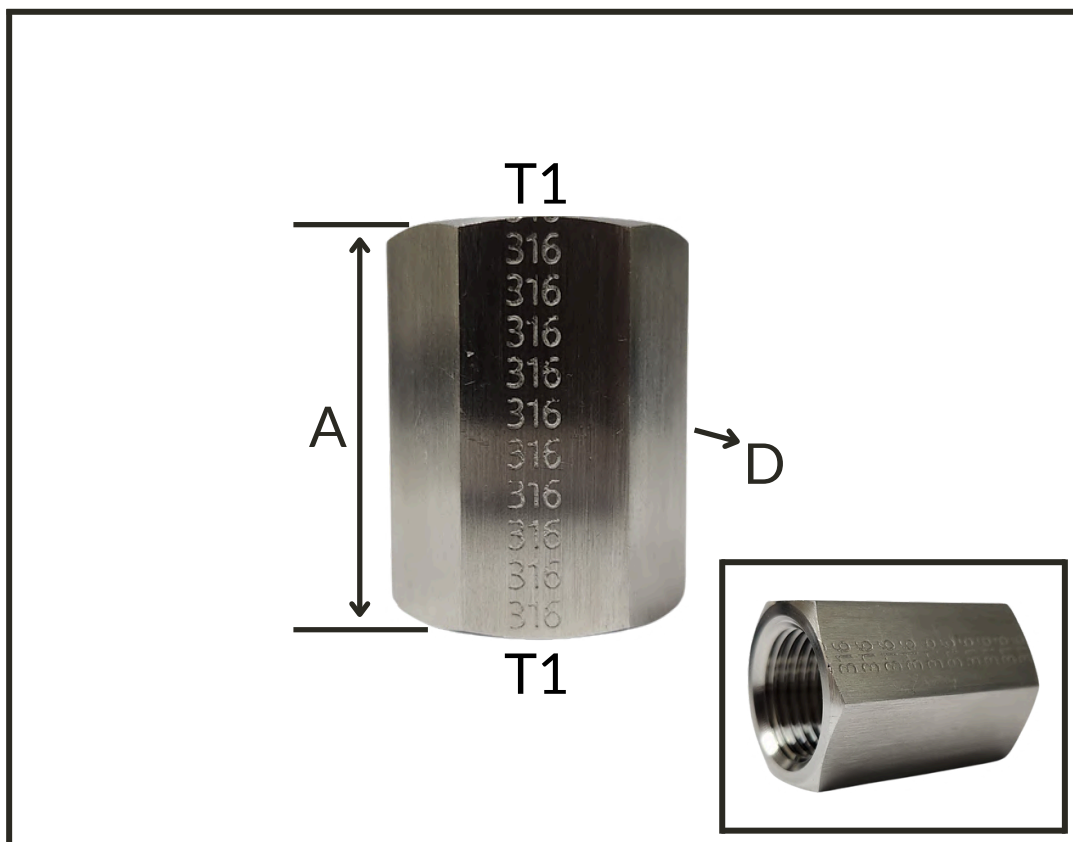
CÓDIGO	R. BSP (T1)	R. NPT (T2)	DIMENS. (A)	DIMENS. (R)	CHAVE (D)
	POL	POL	MM	MM	POL
UMF-2B-316	1/8	1/8	24	8	9/16
UMF-4B-316	1/4	1/4	34	12	3/4
UMF-6B-316	3/8	3/8	34	12	7/8
UMF-8B-316	1/2	1/2	41	14	1.1/16
UMF-12B-316	3/4	3/4	46	16	1.3/8
UMF-16B-316	1	1	52	18	1.5/8



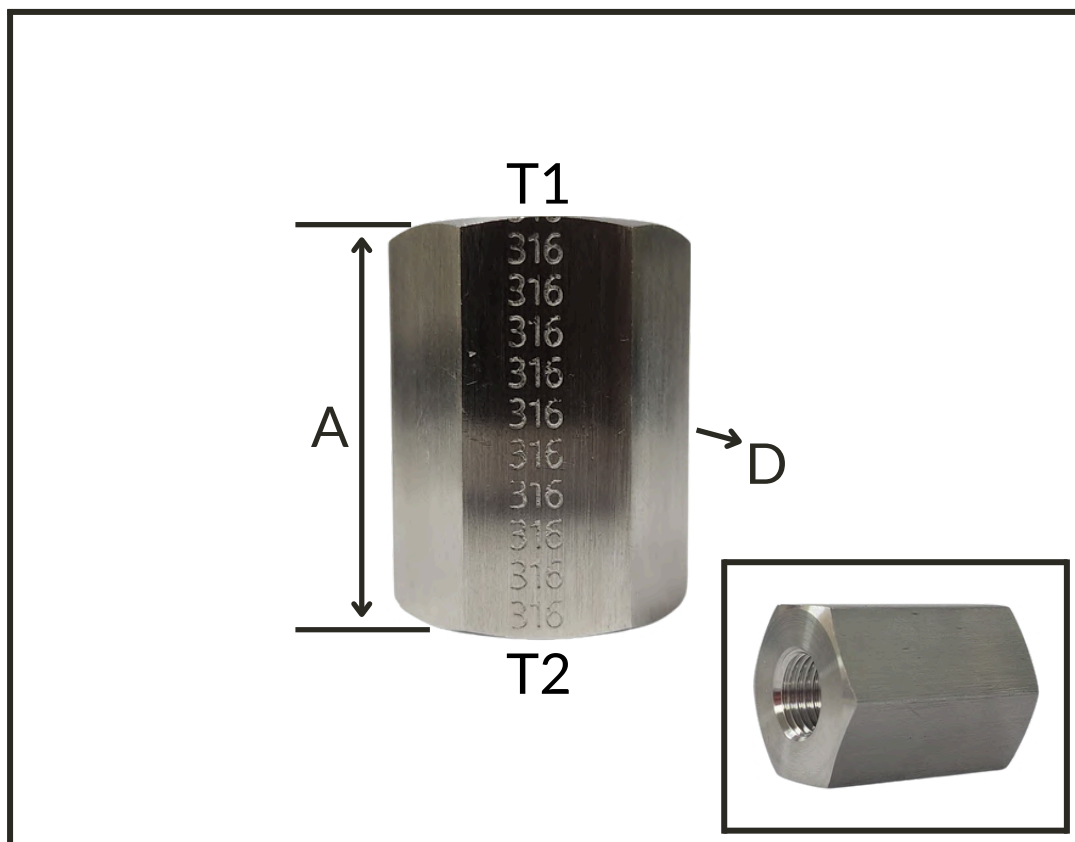
CÓDIGO	R. BSP (T1)	R. NPT (T2)	DIMENS. (A)	DIMENS. (R)	CHAVE (D)
	POL	POL	MM	MM	POL
UMF-2B.2N-316	1/8	1/8	24	8	9/16
UMF-4B.4N-316	1/4	1/4	34	12	3/4
UMF-6B.6N-316	3/8	3/8	34	12	7/8
UMF-8B.8N-316	1/2	1/2	41	14	1.1/16
UMF-12B.12N-316	3/4	3/4	46	16	1.3/8
UMF-16B.16N-316	1	1	52	18	1.5/8



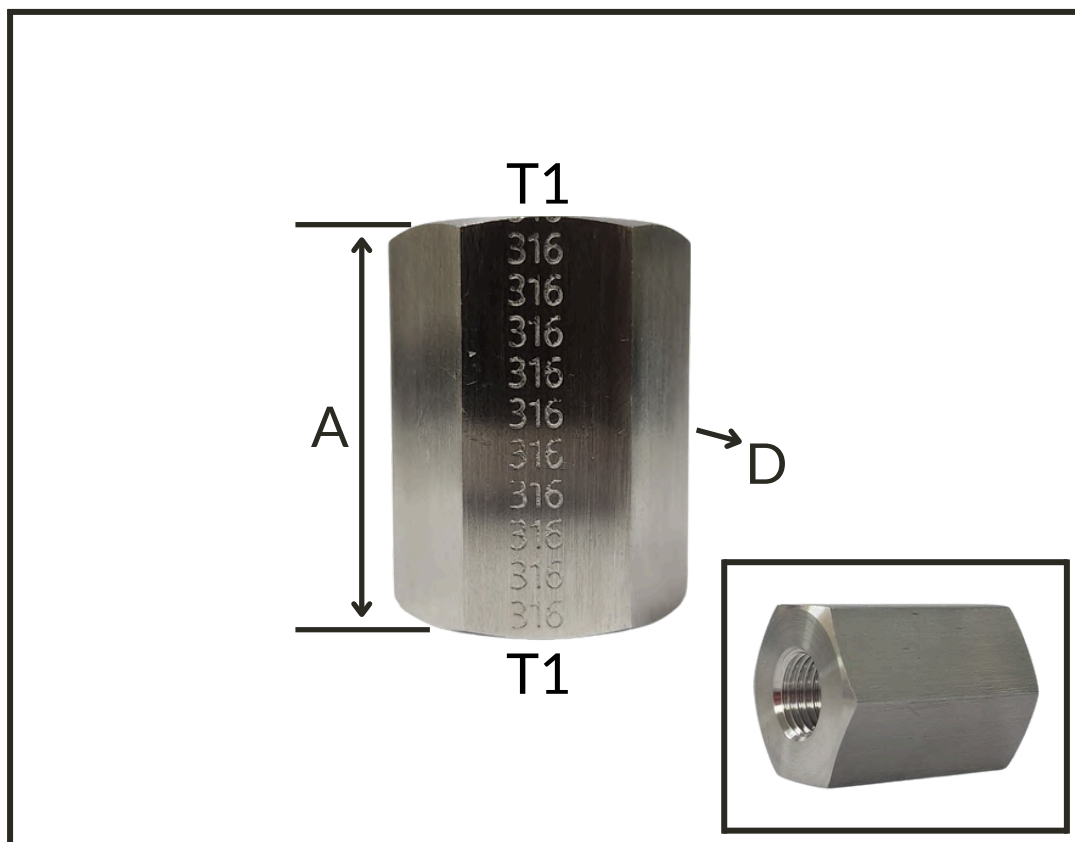
CÓDIGO	Ø ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
UF-2-316	1/8	22	9/16
UF-4-316	1/4	32	3/4
UF-6-316	3/8	32	7/8
UF-8-316	1/2	38	1.1/16
UF-12-316	3/4	38	1.3/8
UF-16-316	1	42	1.5/8



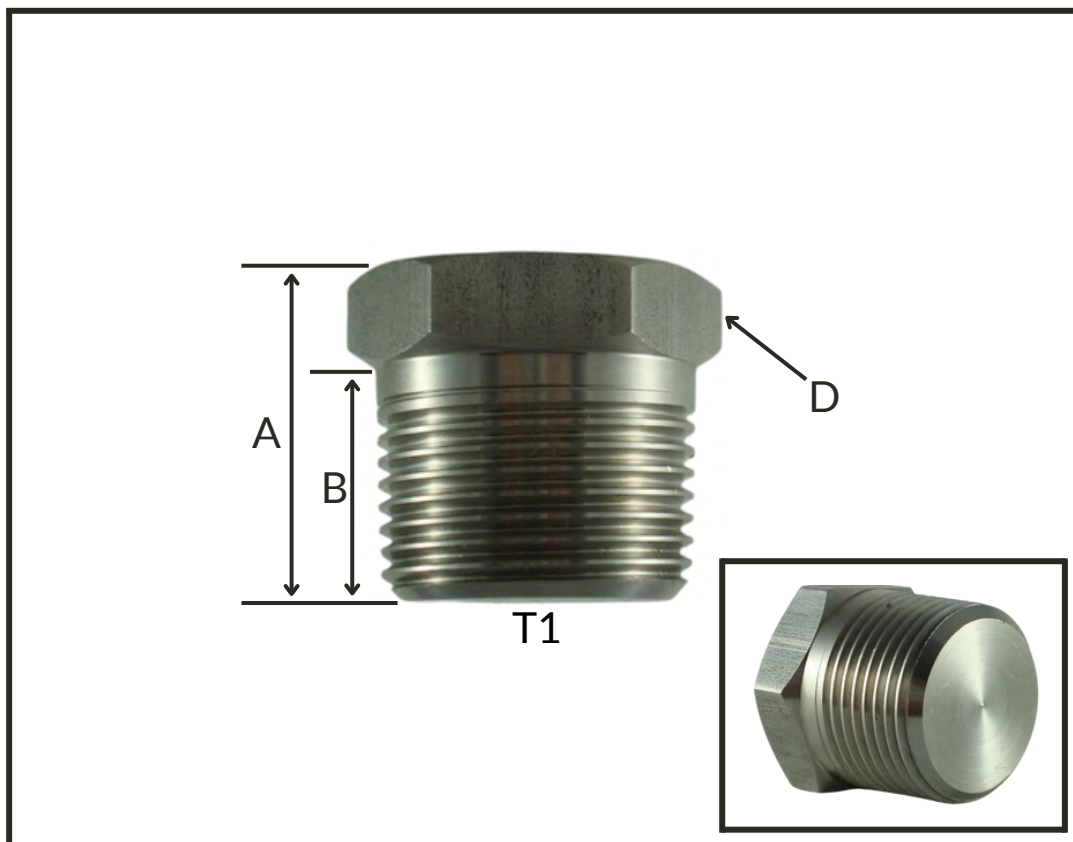
CÓDIGO	Ø ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
UF-2B-316	1/8	22	9/16
UF-4B-316	1/4	32	3/4
UF-6B-316	3/8	32	7/8
UF-8B-316	1/2	38	1.1/16
UF-12B-316	3/4	38	1.3/8
UF-16B-316	1	42	1.5/8



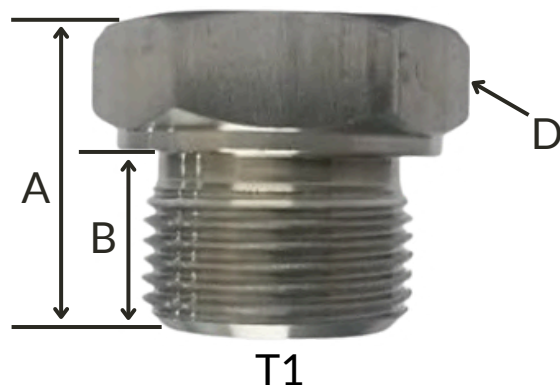
CÓDIGO	Ø R. NPT (T1)	Ø R. NPT (T2)	DIMENS. (A)	DIMENS. (D)
	POL	POL	MM	POL
URF-4.2-316	1/4	1/8	30	3/4
URF-6.2-316	3/8	1/8	30	7/8
URF-6.4-316		1/4	32	7/8
URF-8.4-316	1/2	1/4	36	1.1/16
URF-8.6-316		3/8	36	1.1/16
URF-12.6-316	3/4	3/8	36	1.3/8
URF-12.8-316		1/2	38	1.3/8
URF-16.8-316	1	1/2	42	1.3/8
URF-16.12-316		3/4	42	1.3/8



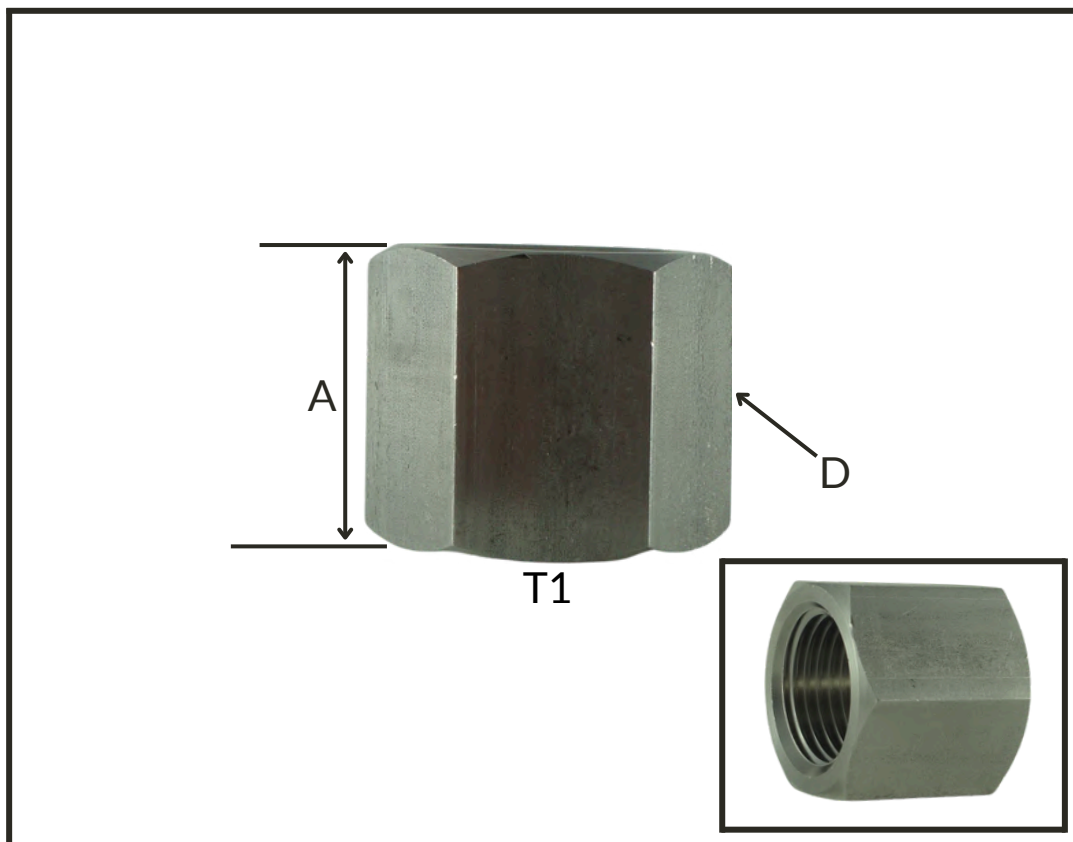
CÓDIGO	Ø ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
URF-4B.2B-316	1/4	1/8	3/4
URF-6B.2B-316	3/8	1/8	7/8
URF-6B.4B-316		1/4	7/8
URF-8B.4B-316	1/2	1/4	1.1/16
URF-8B.6B-316		3/8	1.1/16
URF-12B.6B-316	3/4	3/8	1.3/8
URF-12B.8B-316		1/2	1.3/8
URF-16B.8B-316	1	1/2	1.3/8
URF-16B.12B-316		3/4	1.3/8



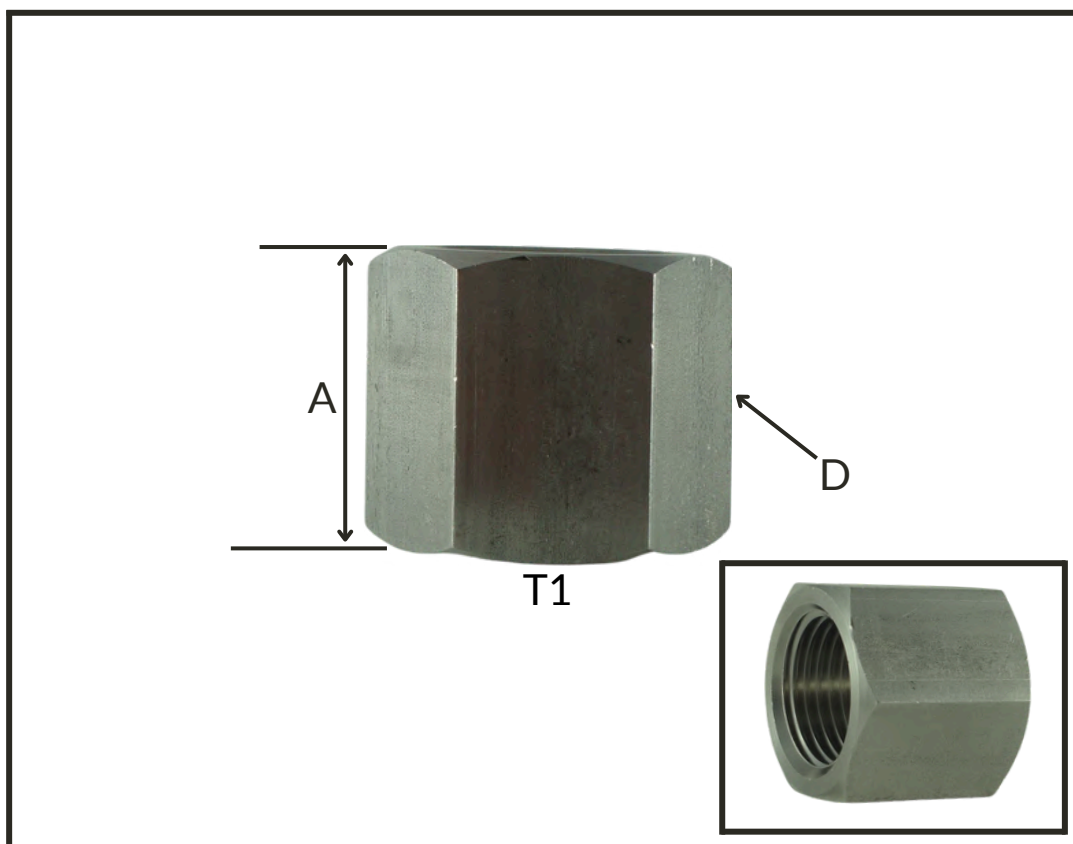
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL	MM	POL	POL
TPM-2-316	1/8	14,7	9,7	7/16
TPM-4-316	1/4	20,2	14,2	9/16
TPM-6-316	3/8	20,2	14,2	11/16
TPM-8-316	1/2	27	19	7/8
TPM-12-316	3/4	27	19	1.1/16
TPM-16-316	1	35	24	1.3/8



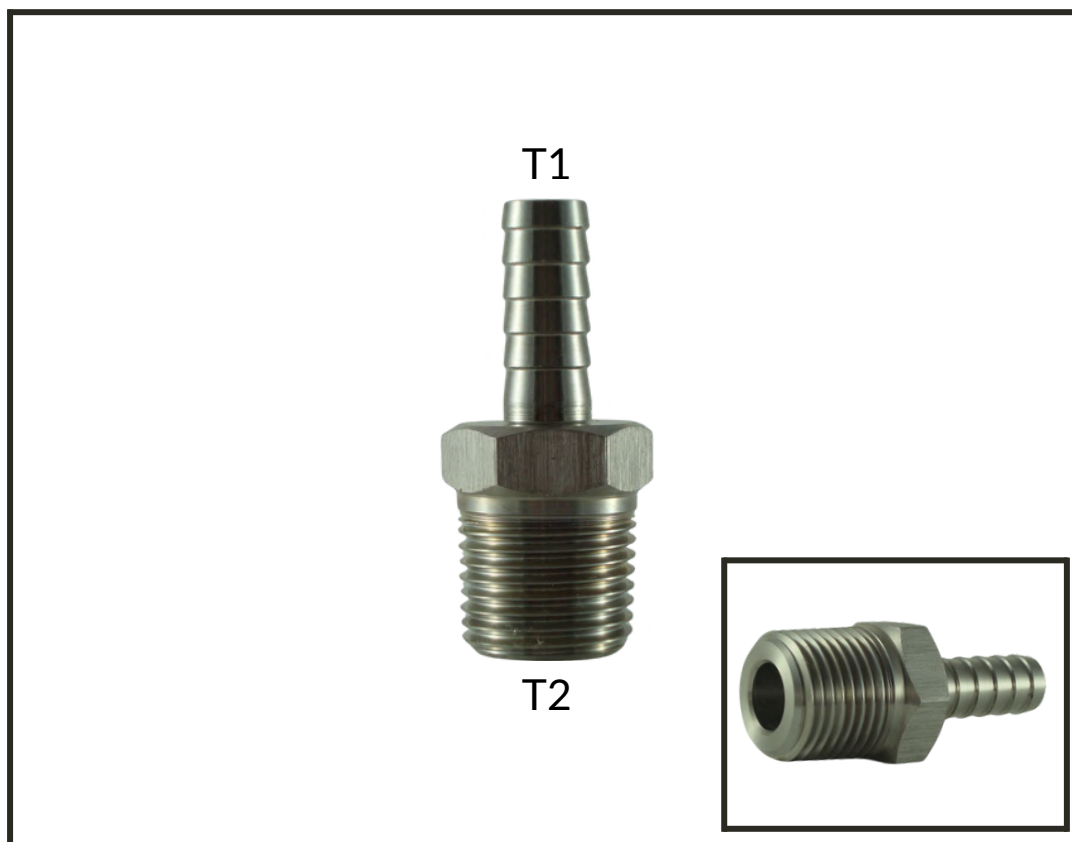
CÓDIGO	ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL	MM	POL	POL
TPM-2B-316	1/8	15	8	9/16
TPM-4B-316	1/4	20	12	3/4
TPM-6B-316	3/8	20	12	7/8
TPM-8B-316	1/2	24	14	1.1/16
TPM-12B-316	3/4	26	16	1.1/4
TPM-16B-316	1	31	18	1.5/8



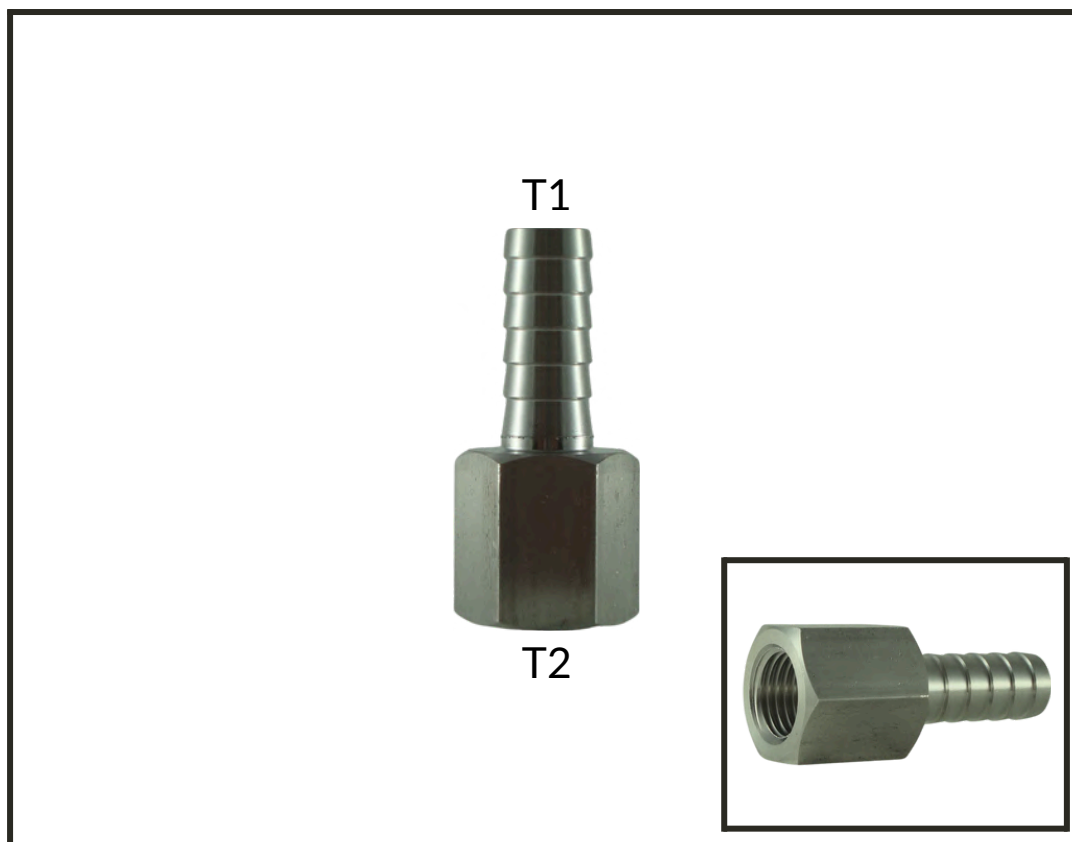
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
TPF-2-316	1/8	15	9/16
TPF-4-316	1/4	24	3/4
TPF-6-316	3/8	24	7/8
TPF-8-316	1/2	25	1.1/16
TPF-12-316	3/4	28	1.3/8
TPF-16-316	1	32	1.5/8



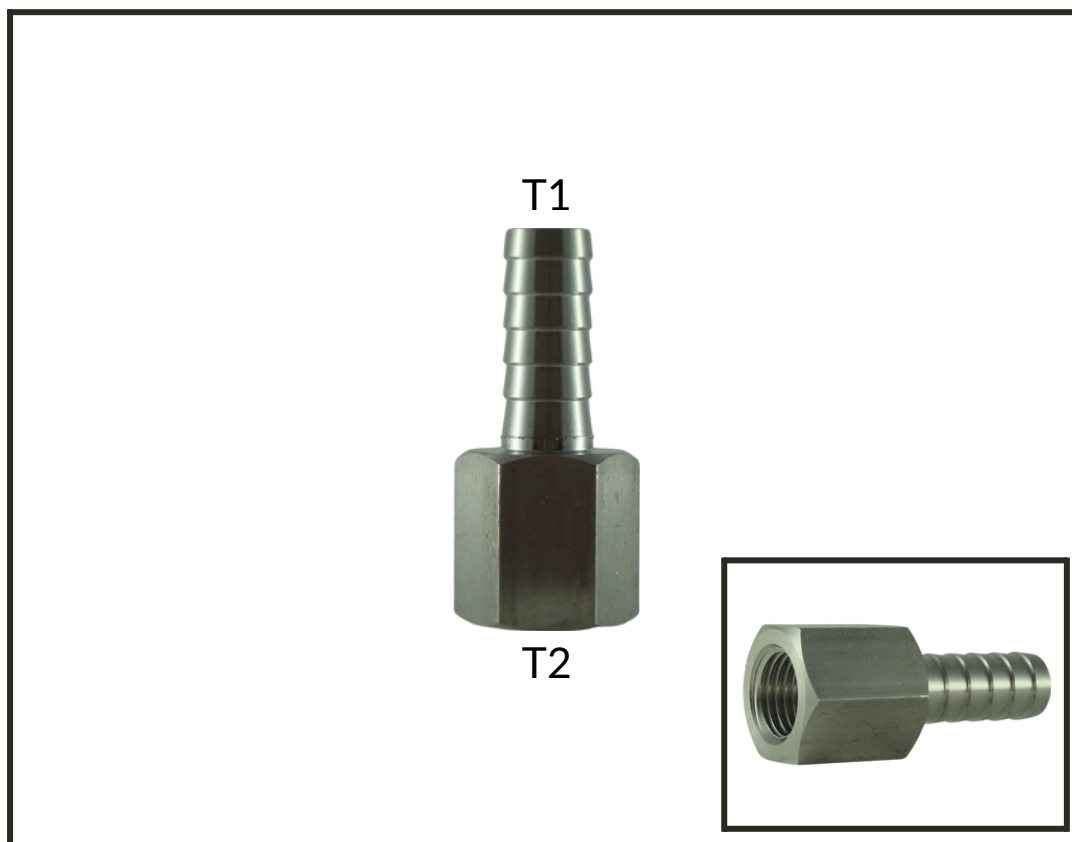
CÓDIGO	ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	POL
TPF-2B-316	1/8	15	9/16
TPF-4B-316	1/4	24	3/4
TPF-6B-316	3/8	24	7/8
TPF-8B-316	1/2	25	1.1/16
TPF-12B-316	3/4	28	1.3/8
TPF-16B-316	1	32	1.5/8



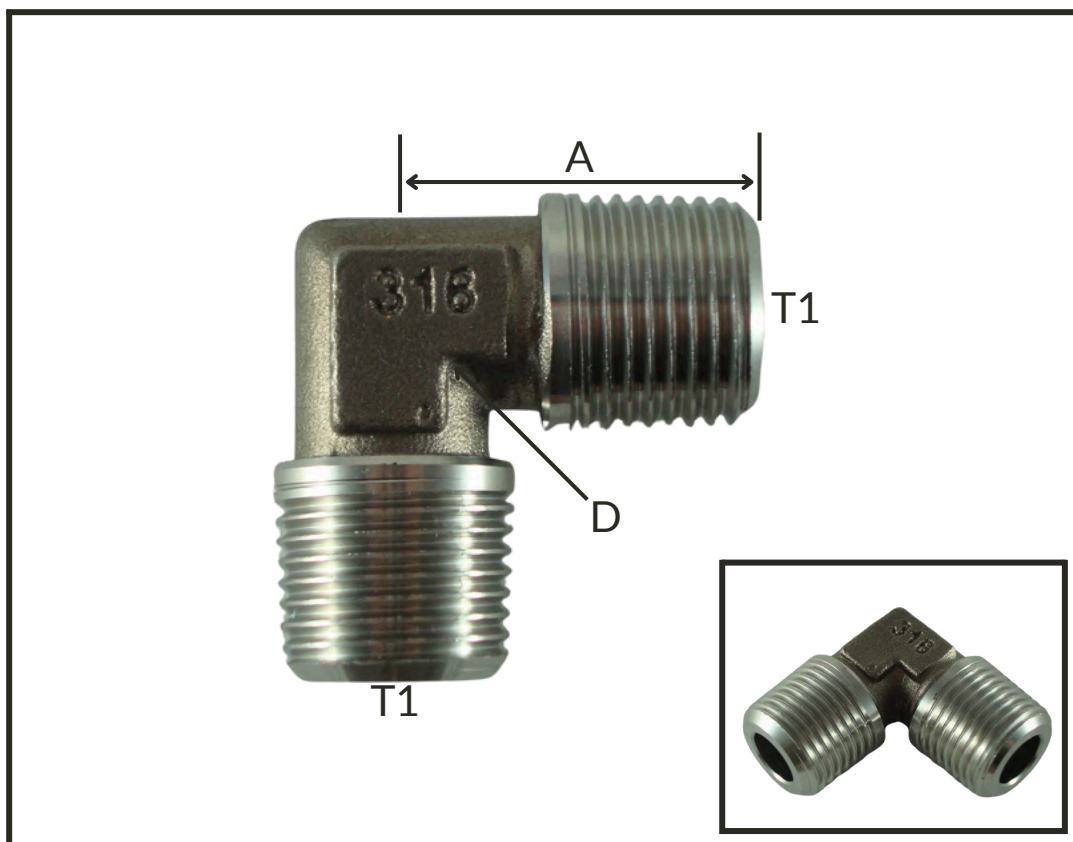
CÓDIGO	Ø INTERNO DA MANGUEIRA (T1)	ROSCA NPT (T2)
	POL MM	POL
BMM-2-316	1/8 3,17	1/8
BMM-3.2-316	3/16 4,76	1/8
BMM-4.6-316	1/4 6,35	3/8
BMM-4.8-316		1/2
BMM-5.6-316	5/16 7,93	3/8
BMM-5.8-316		1/2
BMM-6.4-316	3/8 9,53	1/4
BMM-6-316		3/8
BMM-6.8-316		1/2
BMM-8.6-316	1/2 12,70	3/8
BMM-8-316		1/2
BMM-8.12-316		3/4
BMM-12.8-316	3/4 19,05	1/2
BMM-12-316		3/4



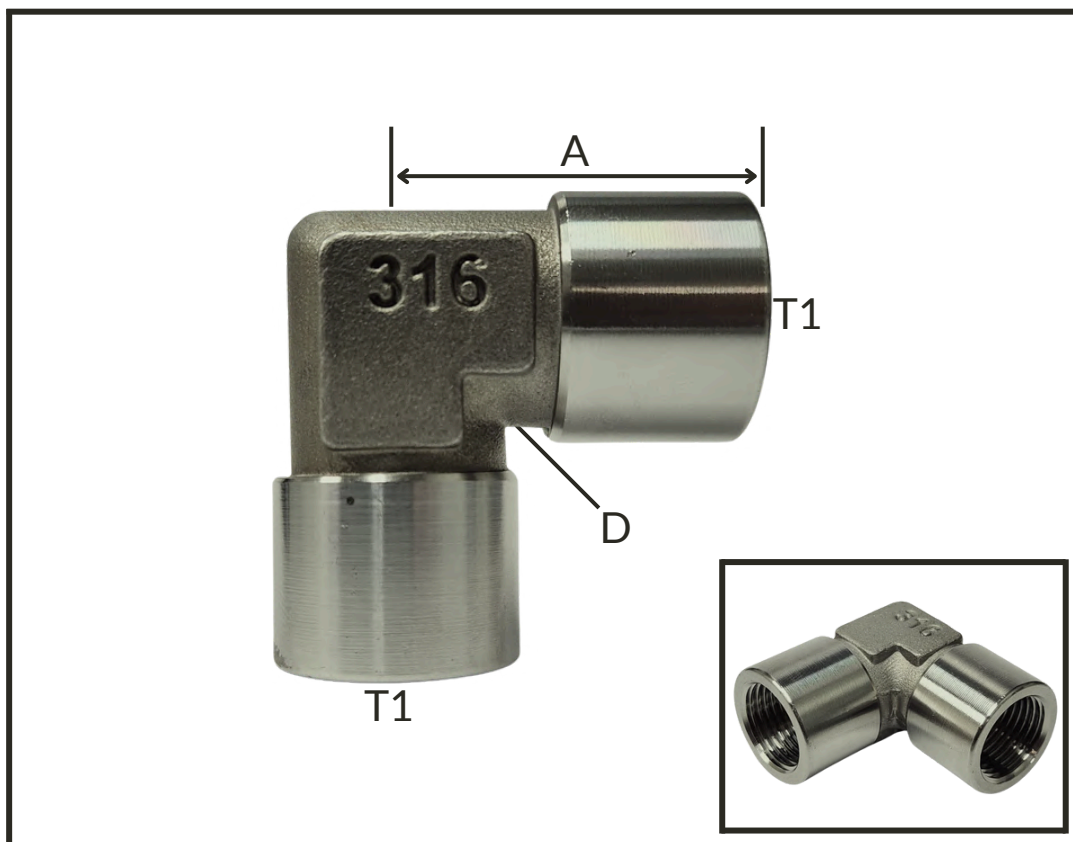
CÓDIGO	Ø INTERNO DA MANGUEIRA (T1)	ROSCA NPT (T2)
	POL MM	POL
BMF-2-316	1/8 3,17	1/8
BMF-3.2-316	3/16 4,76	1/8
BMF-4.6-316	1/4 6,35	3/8
BMF-4.8-316		1/2
BMF-5.6-316	5/16 7,93	3/8
BMF-5.8-316		1/2
BMF-6.4-316	3/8 9,53	1/4
BMF-6-316		3/8
BMF-6.8-316		1/2
BMF-8.6-316	1/2 12,70	3/8
BMF-8-316		1/2
BMF-8.12-316		3/4
BMF-12.8-316	3/4 19,05	1/2
BMF-12-316		3/4



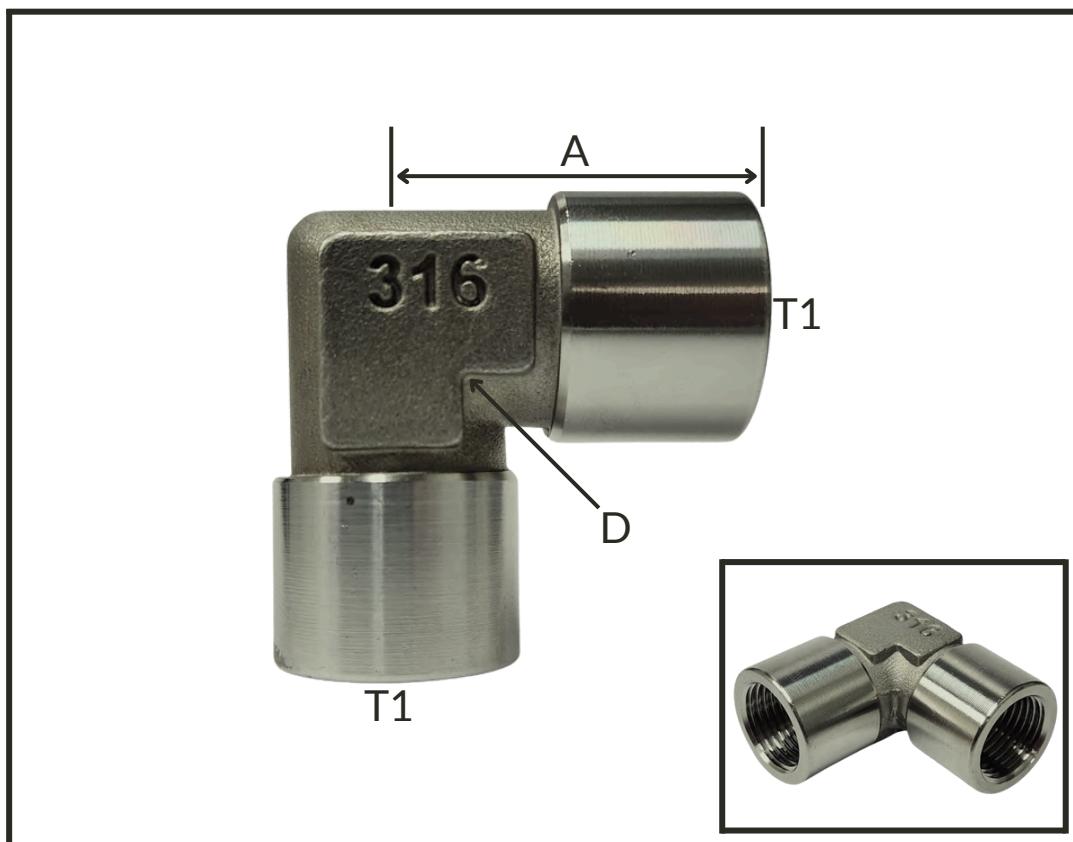
CÓDIGO	Ø INTERNO DA MANGUEIRA (T1)	ROSCA BSP (T2)
	POL MM	POL
BMF-2B-316	1/8 3,17	1/8
BMF-3.2B-316	3/16 4,76	1/8
BMF-4.6B-316	1/4 6,35	3/8
BMF-4.8B-316		1/2
BMF-5.6B-316	5/16 7,93	3/8
BMF-5.8B-316		1/2
BMF-6.4B-316	3/8 9,53	1/4
BMF-6B-316		3/8
BMF-6.8B-316		1/2
BMF-8.6B-316	1/2 12,70	3/8
BMF-8B-316		1/2
BMF-8.12B-316		3/4
BMF-12.8B-316	3/4 19,05	1/2
BMF-12B-316		3/4



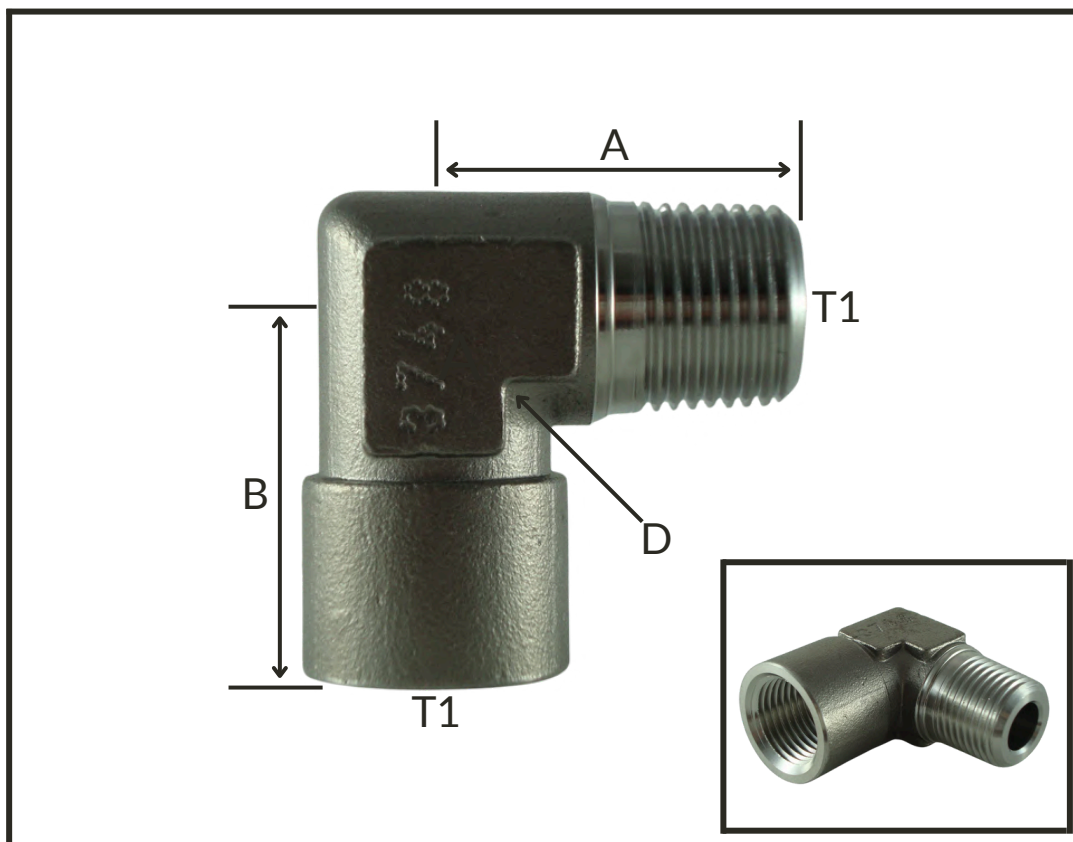
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
C-M-2-316	1/8	18,7	9/16
C-M-4-316	1/4	23,2	9/16
C-M-6-316	3/8	27,5	3/4
C-M-8-316	1/2	32	3/4
C-M-12-316	3/4	36	1
C-M-16-316	1	44	1.3/8



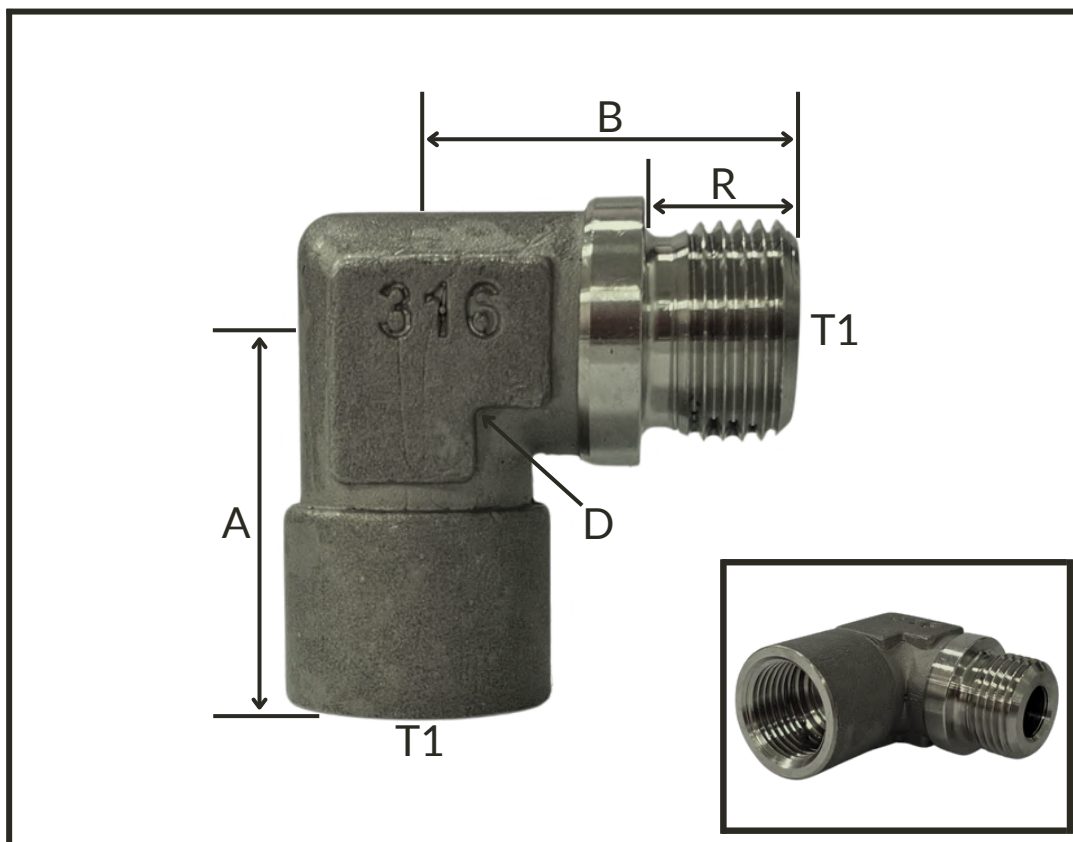
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
C-F-2-316	1/8	23	9/16
C-F-4-316	1/4	23	3/4
C-F-6-316	3/8	32	3/4
C-F-8-316	1/2	37	1
C-F-12-316	3/4	45	1.3/8



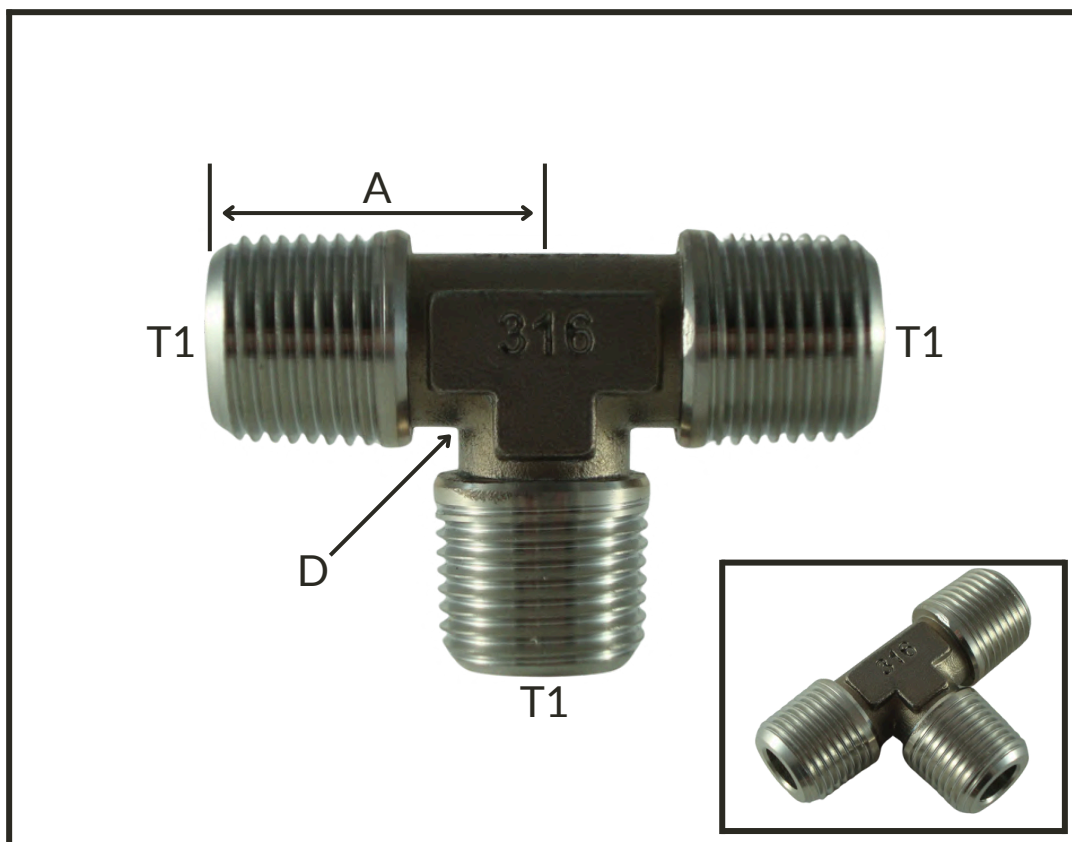
CÓDIGO	ROSCA BSP (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
C-F-2B-316	1/8	23	9/16
C-F-4B-316	1/4	23	3/4
C-F-6B-316	3/8	32	3/4
C-F-8B-316	1/2	37	1
C-F-12B-316	3/4	45	1.3/8



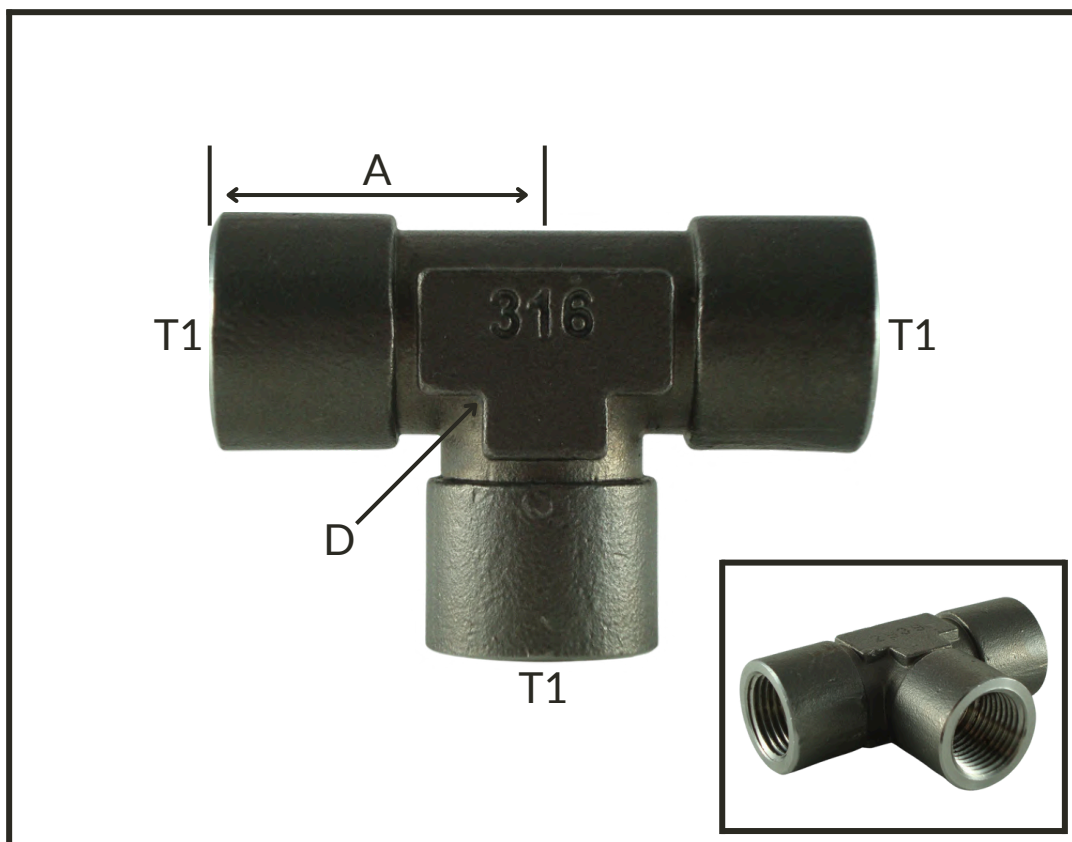
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL	MM	MM	POL
C-MF-2-316	1/8	23	18,7	9/16
C-MF-4-316	1/4	32	27,5	3/4
C-MF-6-316	3/8	32	27,5	3/4
C-MF-8-316	1/2	37	36	1
C-MF-12-316	3/4	45	39	1.3/8



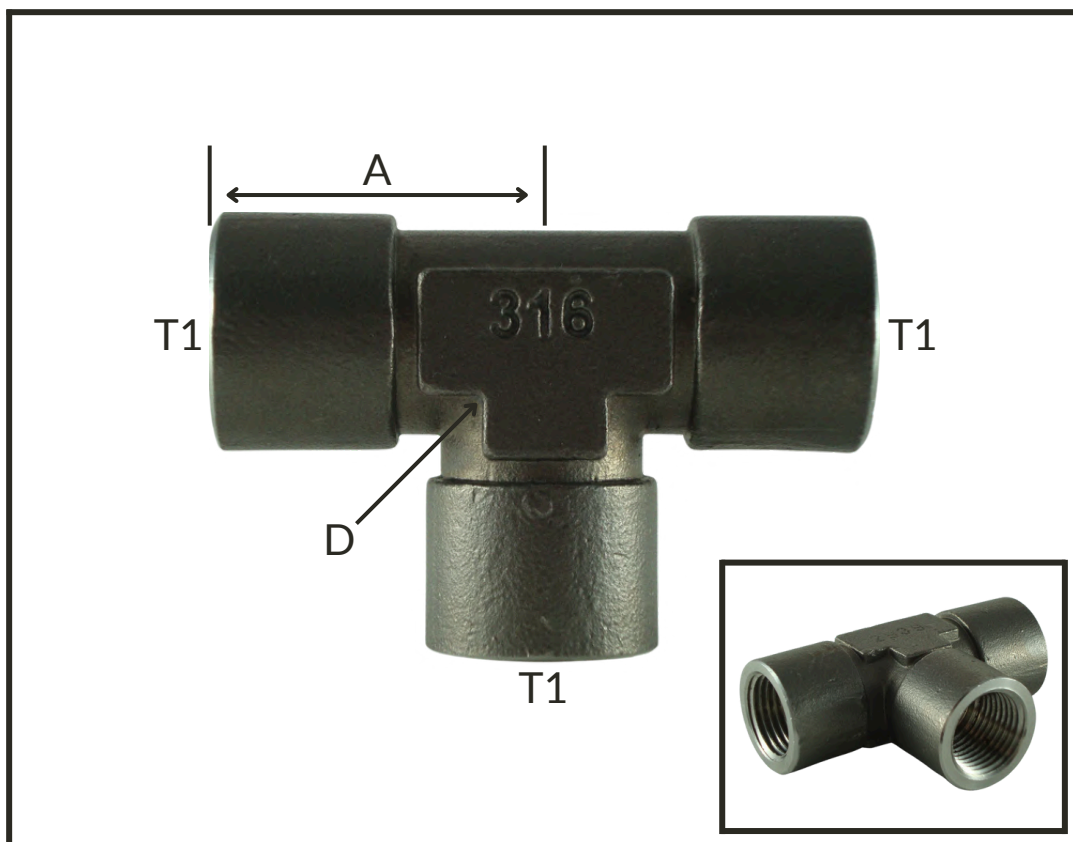
CÓDIGO	R. BSP (T1)	DIMENS. (A)	DIMENS. (B)	DIMENS. (R)	CHAVE (D)
	POL	MM	MM	MM	POL
C-MF-2B-316	1/8	23	18,7	8	9/16
C-MF-4B-316	1/4	32	27,5	12	3/4
C-MF-6B-316	3/8	32	27,5	12	3/4
C-MF-8B-316	1/2	37	36	14	1
C-MF-12B-316	3/4	45	39	16	1.3/8



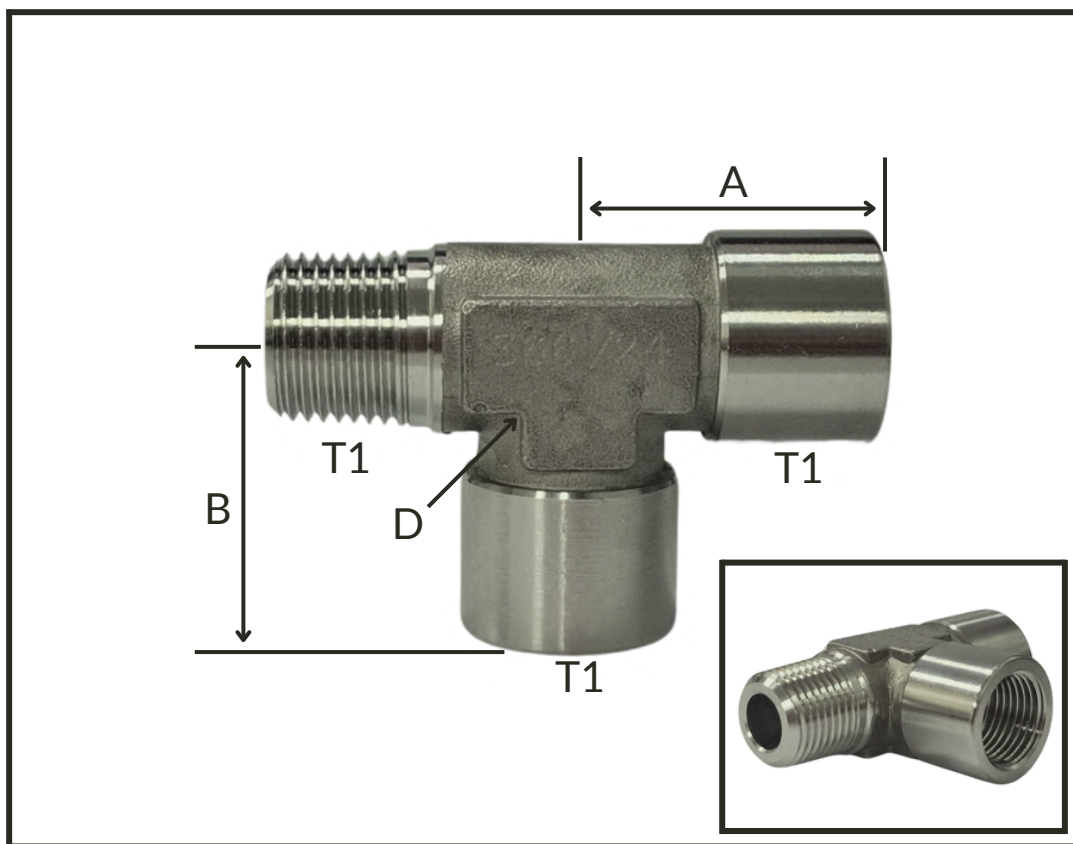
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
T-M-2-316	1/8	18,7	9/16
T-M-4-316	1/4	23,2	9/16
T-M-6-316	3/8	27,5	3/4
T-M-8-316	1/2	32	3/4
T-M-12-316	3/4	36	1
T-M-16-316	1	44	1.3/8



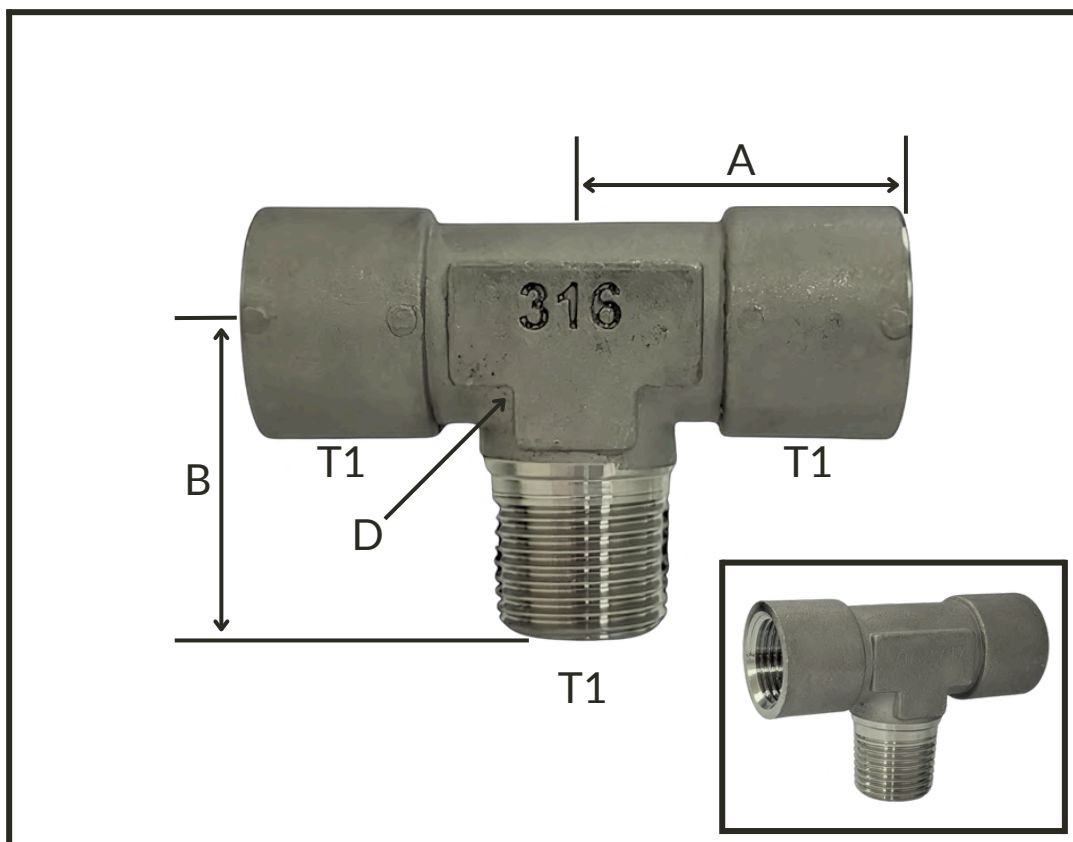
CÓDIGO	ROSCA NPT (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
T-F-2-316	1/8	23	9/16
T-F-4-316	1/4	23	3/4
T-F-6-316	3/8	32	3/4
T-F-8-316	1/2	37	1
T-F-12-316	3/4	45	1.3/8



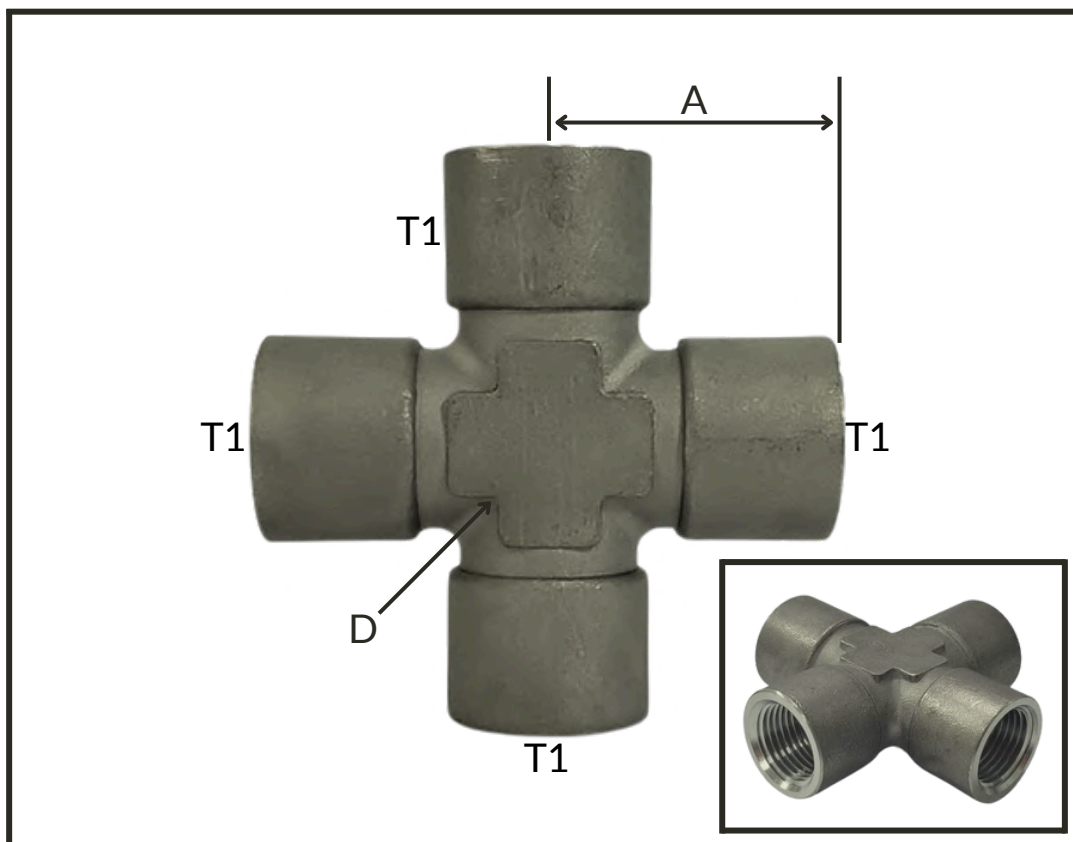
CÓDIGO	ROSCA BSP (T1)	DIMENSÃO (A)	CHAVE (D)
	POL	MM	POL
T-F-2B-316	1/8	23	9/16
T-F-4B-316	1/4	23	3/4
T-F-6B-316	3/8	32	3/4
T-F-8B-316	1/2	37	1
T-F-12B-316	3/4	45	1.3/8



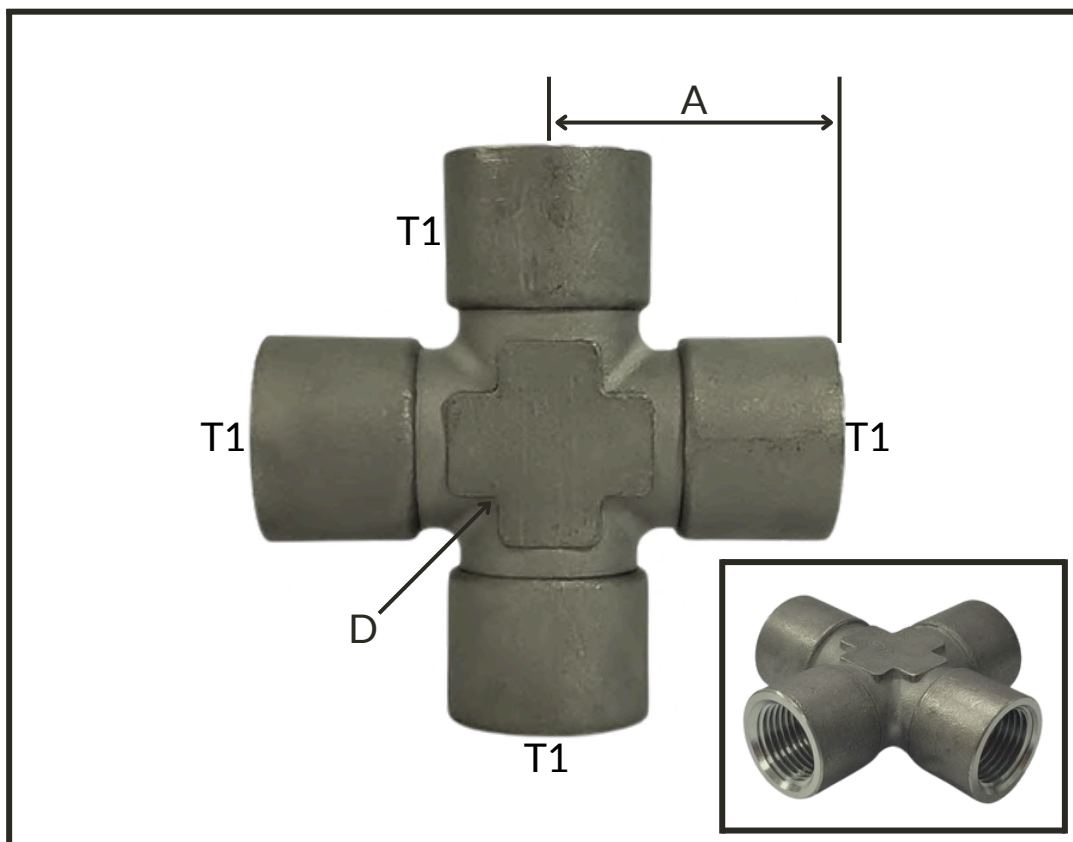
CÓDIGO	ROSCA NPT (T1 - M/F)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL	MM	MM	POL
T-MFF-2-316	1/8	23	18,7	9/16
T-MFF-4-316	1/4	23	27,5	3/4
T-MFF-6-316	3/8	32	27,5	3/4
T-MFF-8-316	1/2	37	36	1
T-MFF-12-316	3/4	45	39	1.3/8



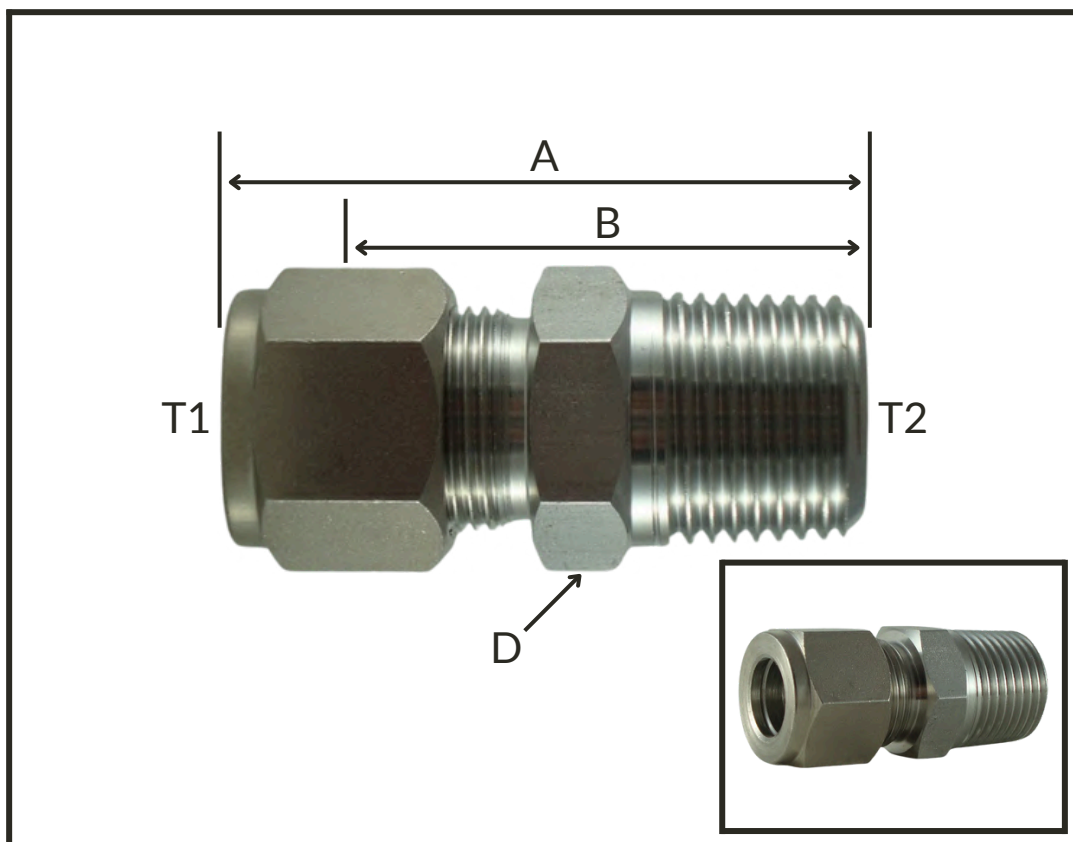
CÓDIGO	ROSCA NPT (T1 - M/F)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL	MM	MM	POL
T-FMF-2-316	1/8	23	19	9/16
T-FMF-4-316	1/4	23	27	3/4
T-FMF-6-316	3/8	32	27	3/4
T-FMF-8-316	1/2	37	38	1
T-FMF-12-316	3/4	45	44	1.3/8



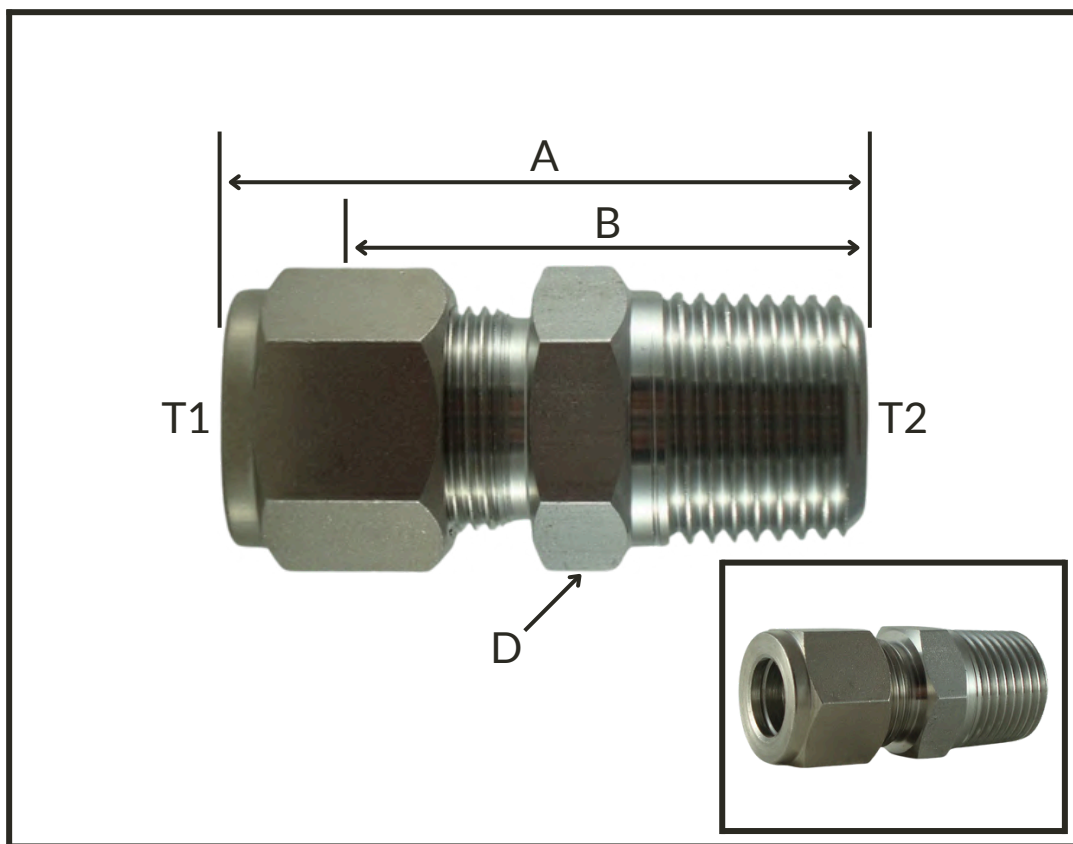
CÓDIGO	Ø ROSCA NPT (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	MM
CZ-UF-2-316	1/8	25	3/4
CZ-UF-4-316	1/4	25	3/4
CZ-UF-6-316	3/8	37	1
CZ-UF-8-316	1/2	37	1



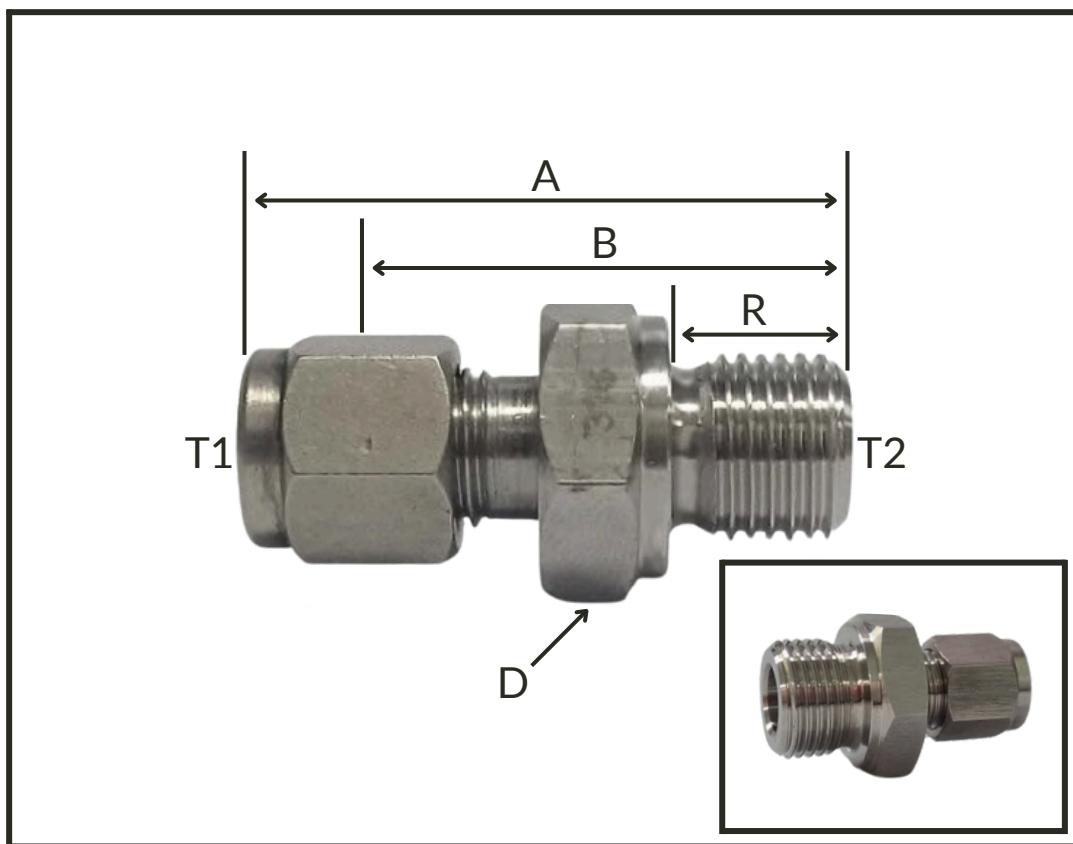
CÓDIGO	Ø ROSCA BSP (T1)	DIMENSÃO (A)	DIMENSÃO (D)
	POL	MM	MM
CZ-UF-2B-316	1/8	25	3/4
CZ-UF-4B-316	1/4	25	3/4
CZ-UF-6B-316	3/8	37	1
CZ-UF-8B-316	1/2	37	1



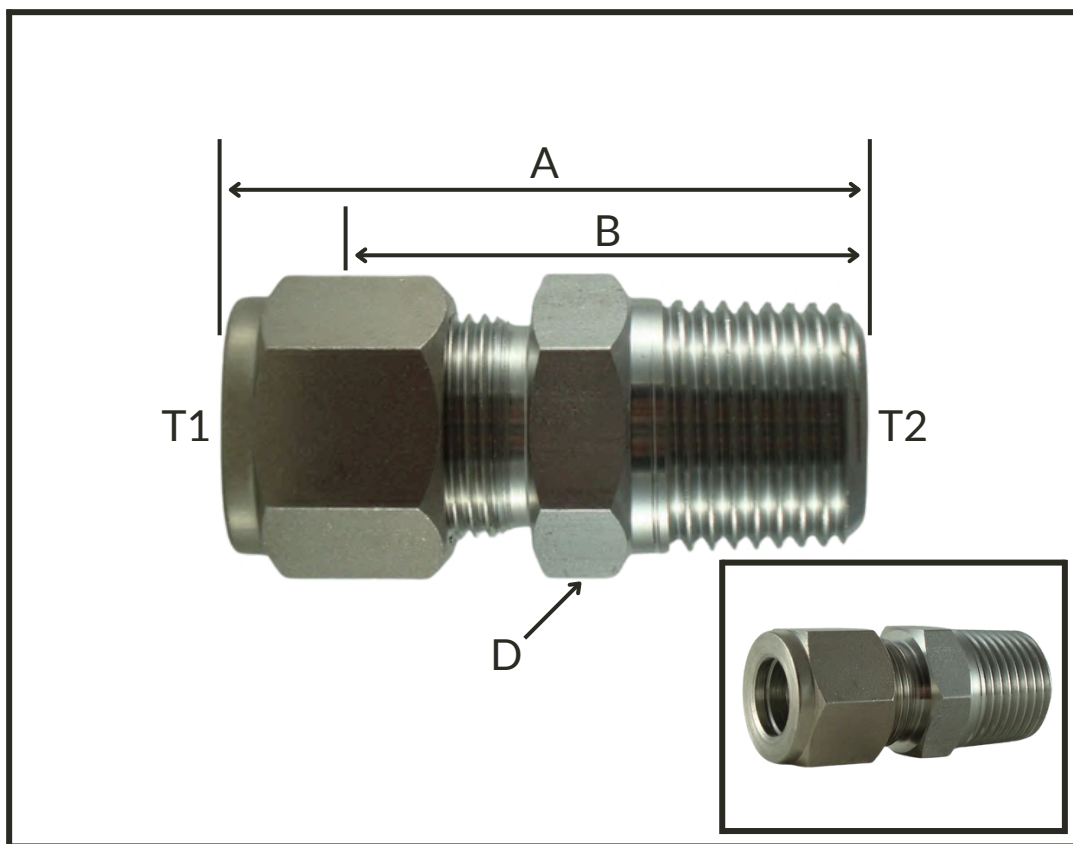
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
CM-2-316	1/8 3,17	1/8	32,7	23,7	7/16
CM-3.4-316	3/16 4,76	1/4	40,2	31,2	9/16
CM-4-316	1/4 6,35	1/4	40,2	31,2	9/16
CM-4.6-316		3/8	40,2	31,2	11/16
CM-5.6-316	5/16 7,93	3/8	41,2	31,2	11/16
CM-6-316	3/8 9,53	3/8	42,2	31,2	11/16
CM-6.8-316		1/2	49	38	7/8
CM-6.12-316		3/4	49	38	1.1/16
CM-8.6-316	1/2 12,70	3/8	46,7	33,2	7/8
CM-8-316		1/2	51,5	38	7/8
CM-8.12-316		3/4	51,5	38	1.1/16
CM-10.12-316	5/8 15,87	3/4	53	39	1.1/16
CM-12-316	3/4 19,05	3/4	53	39	1.1/16
CM-12.16-316		1	60	44	1.3/8



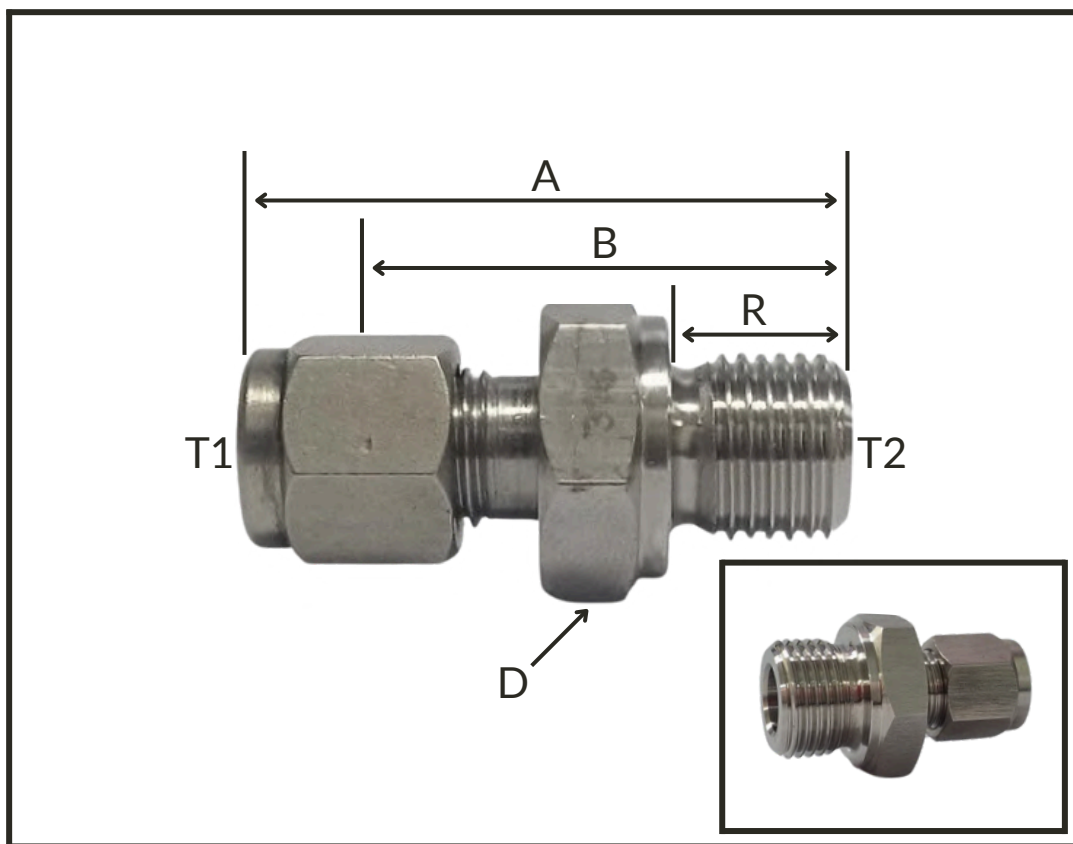
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	MM	POL	MM	MM	POL
CM-M6.2-316	06	1/8	35,7	26,7	1/2
CM-M6.4-316		1/4	40,2	31,2	9/16
CM-M8.4-316	08	1/4	41,2	31,2	9/16
CM-M8.6-316		3/8	41,2	31,2	11/16
CM-M10.6-316	10	3/8	42,2	31,2	11/16
CM-M10.8-316		1/2	49	38	7/8
CM-M10.12-316		3/4	49	38	1.1/16
CM-M12.8-316	12	1/2	51,5	38	7/8
CM-M12.12-316		3/4	51,5	38	1.1/16
CM-M12.16-316		1	59,5	46	1.3/8
CM-M16.8-316	16	1/2	53	39	1.1/16
CM-M16.12-316		3/4	53	39	1.1/16
CM-M19.12-316	19	3/4	53	39	1.1/16
CM-M19.16-316		1	60	44	1.3/8



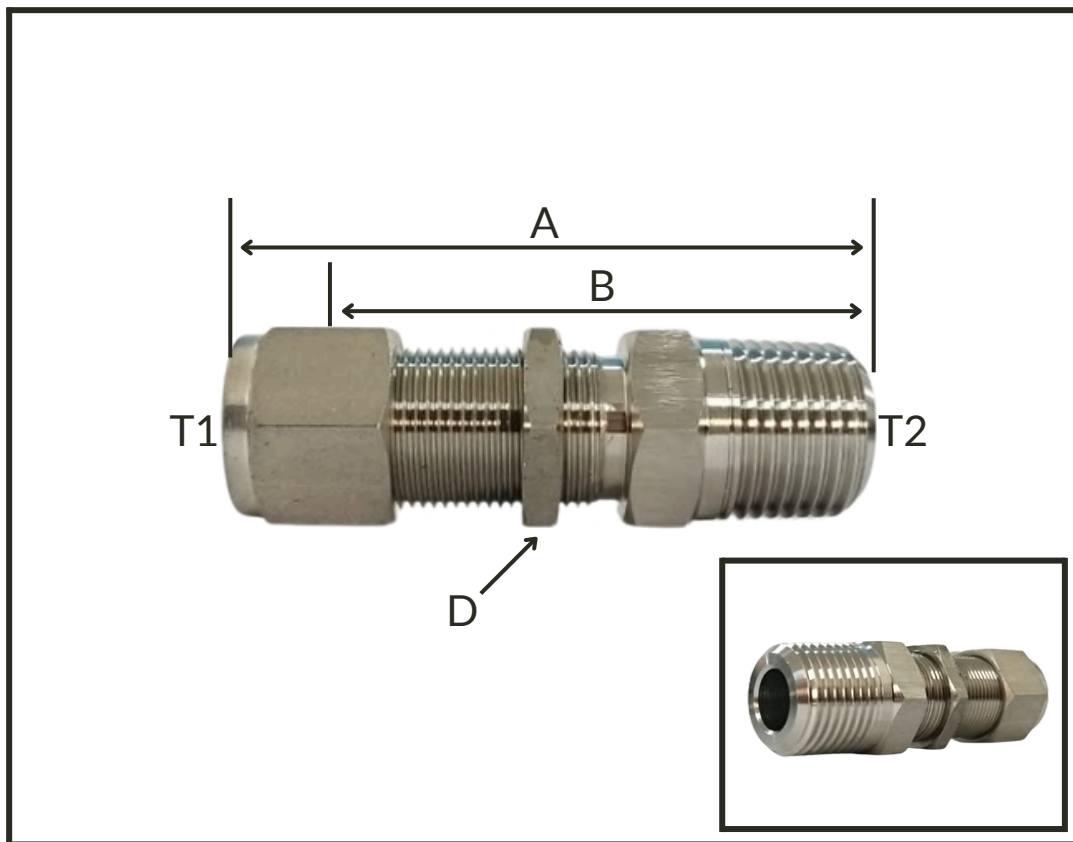
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (R)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL	POL
CM-2B-316	1/8 3,17	1/8	32,4	23,4	8,0	9/16
CM-3.4B-316	3/16 4,76	1/4	38,0	29,0	12,0	3/4
CM-4B-316	1/4 6,35	1/4	40,0	31,0	12,0	3/4
CM-4.6B-316		3/8	40,0	31,0	12,0	7/8
CM-5.6B-316	5/16 7,93	3/8	41,0	31,0	12,0	7/8
CM-6B-316	3/8 9,53	3/8	42,0	31,0	12,0	7/8
CM-6.8B-316		1/2	46,0	35,0	14,0	1.1/16
CM-6.12B-316		3/4	48,0	37,0	16,0	1.1/4
CM-8.6B-316	1/2 12,70	3/8	46,5	33,0	12,0	7/8
CM-8B-316		1/2	48,5	35,0	14,0	1.1/16
CM-8.12B-316		3/4	50,5	37,0	16,0	1.1/4
CM-10.12B-316	5/8 15,87	3/4	52,0	38,0	16,0	1.1/16
CM-12.8B-316	3/4 19,05	1/2	50,0	36,0	14,0	1.1/16
CM-12B-316		3/4	52,0	38,0	16,0	1.1/4



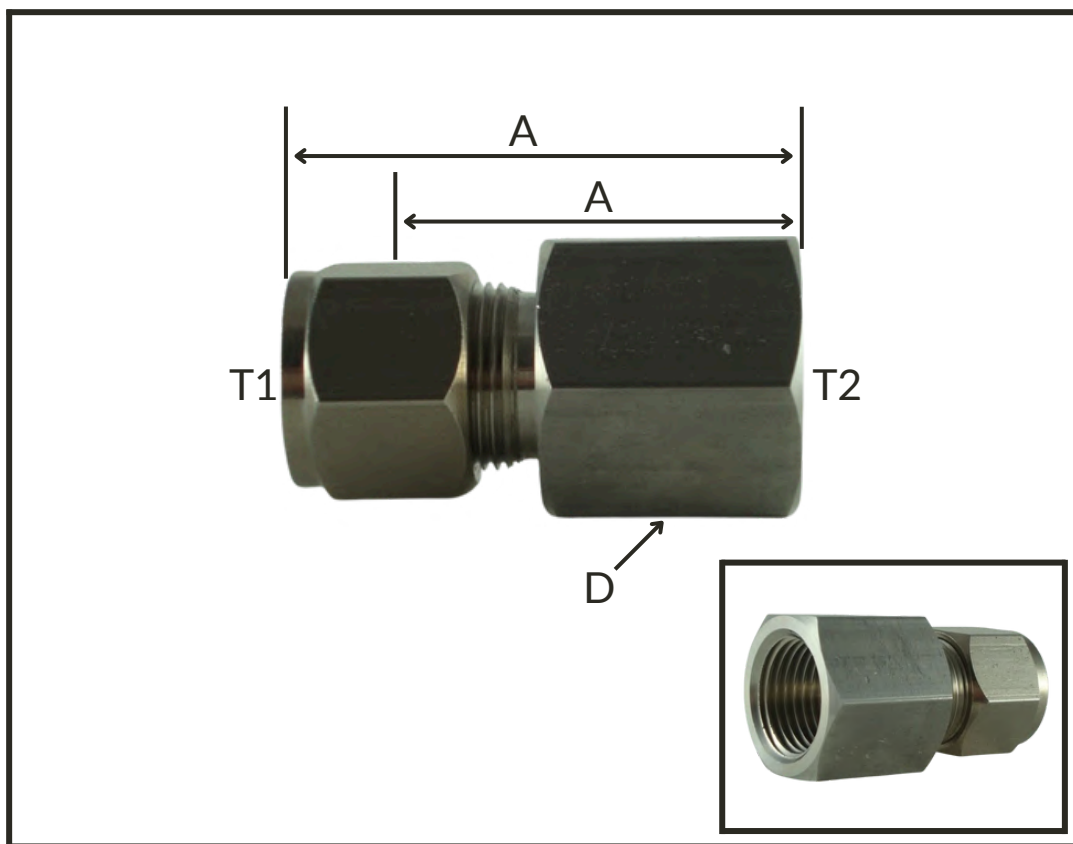
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
CMT-2-316	1/8 3,17	1/8	32,7	23,7	7/16
CMT-2.4-316		1/4	38,2	29,2	9/16
CMT-3.2-316	3/16 4,76	1/8	34,7	25,7	7/16
CMT-4-316	1/4 6,35	1/4	40,2	31,2	9/16
CMT-4.6-316		3/8	40,2	31,2	11/16
CMT-4.8-316		1/2	47	38	7/8
CMT-5.4-316	5/16 7,93	1/4	41,2	31,2	9/16
CMT-6-316	3/8 9,53	3/8	42,2	31,2	11/16
CMT-6.8-316		1/2	49	38	7/8
CMT-6.12-316		3/4	49	38	1.1/16
CMT-8-316	1/2 12,70	1/2	51,5	38	7/8
CMT-8.12-316		3/4	51,5	38	1.1/16
CMT-10.12-316	5/8 15,87	3/4	53	39	1.1/16
CMT-12-316	3/4 19,05	3/4	53	39	1.1/16



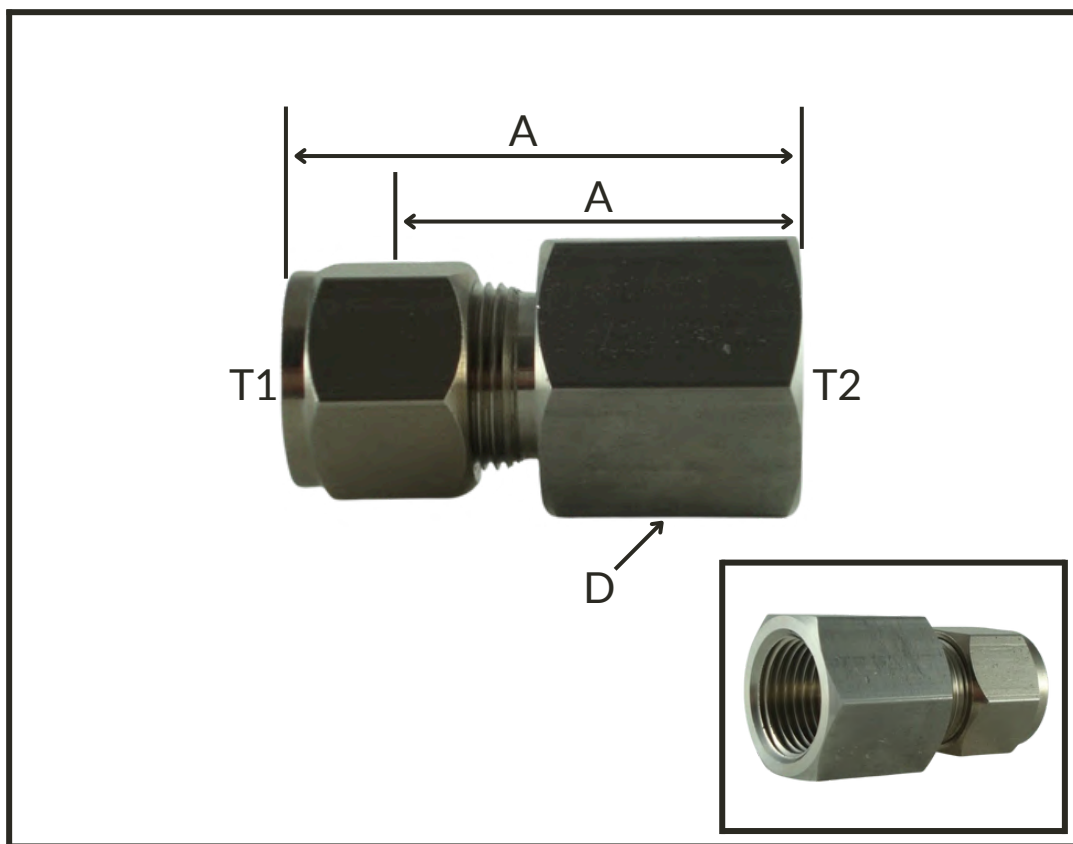
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (R)	DIMENSÃO (D)
	MM	POL	MM	MM	POL	POL
CM-M6.2B-316	06	1/8	35,4	26,4	8,0	9/16
CM-M6.4B-316		1/4	40,0	31,0	12,0	3/4
CM-M8.4B-316	08	1/4	41,0	31,0	12,0	3/4
CM-M8.6B-316		3/8	41,0	31,0	12,0	7/8
CM-M10.6B-316	10	3/8	42,0	31,0	12,0	7/8
CM-M10.8B-316		1/2	46,0	35,0	14,0	1.1/16
CM-M10.12B-316		3/4	48,0	37,0	16,0	1.1/4
CM-M12.6B-316	12	3/8	46,5	33,0	12,0	7/8
CM-M12.8B-316		1/2	48,5	35,0	14,0	1.1/16
CM-M12.12B-316		3/4	50,5	37,0	16,0	1.1/4
CM-M16.8B-316	16	1/2	50,0	36,0	14,0	1.1/16
CM-M16.12B-316		3/4	52,0	38,0	16,0	1.1/16
CM-M19.8B-316	19	1/2	50,0	36,0	14,0	1.1/16
CM-M19.12B-316		3/4	52,0	38,0	16,0	1.1/4



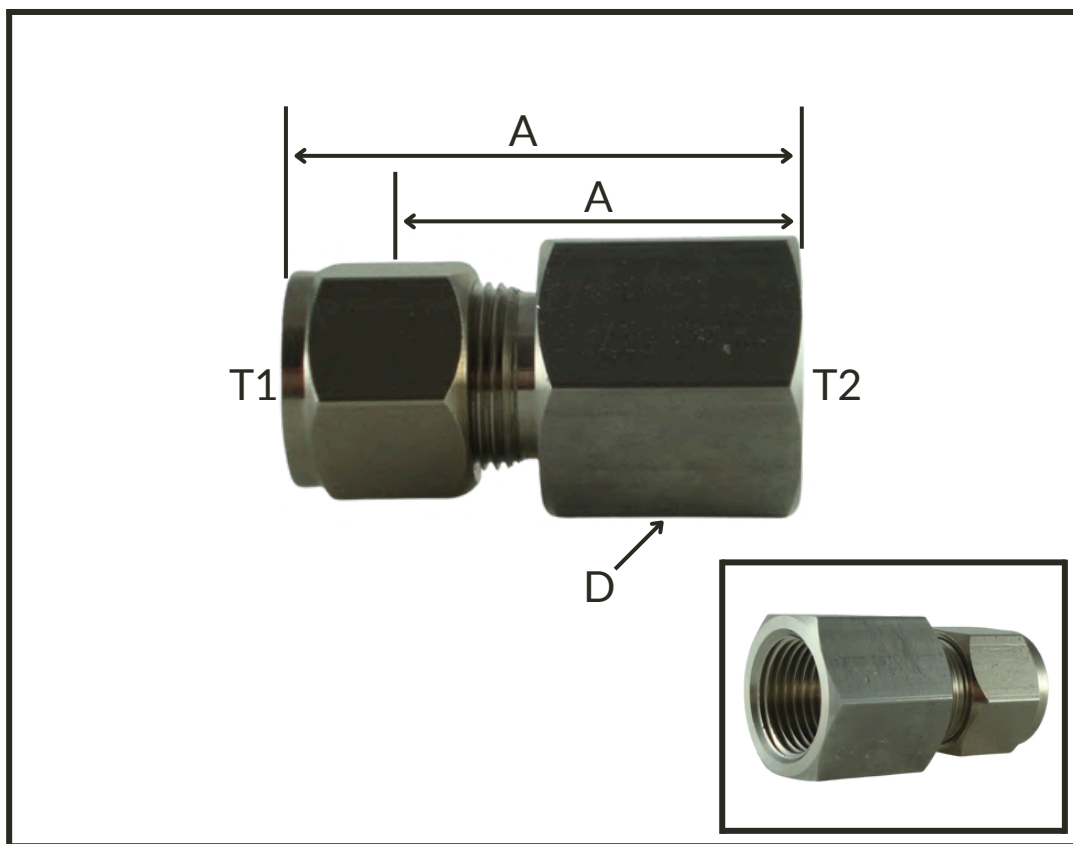
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)	Ø FURO DO PAINEL
	POL MM	POL	MM	MM	POL	MM
CBM-2-316	3,17	1/8	46,7	37,7	1/2	8,3
CBM-4.2-316	1/4 6,35	1/8	47,7	38,7	5/8	11,5
CBM-4-316		1/4	52,2	43,2	5/8	11,5
CBM-6.4-316	3/8 9,53	1/4	59,2	48,2	3/4	14,7
CBM-6-316		3/8	59,2	48,2	3/4	14,7
CBM-6.8-316		1/2	66	55	7/8	14,7
CBM-8.4-316	1/2 12,70	1/4	66,7	53,2	7/8	19,4
CBM-8.6-316		3/8	66,7	53,2	7/8	19,4
CBM-8-316		1/2	71,5	58	7/8	19,4
CBM-12.8-316	3/4 19,05	1/2	73	59	1.1/4	25,8
CBM-12-316		3/4	73	59	1.1/4	25,8



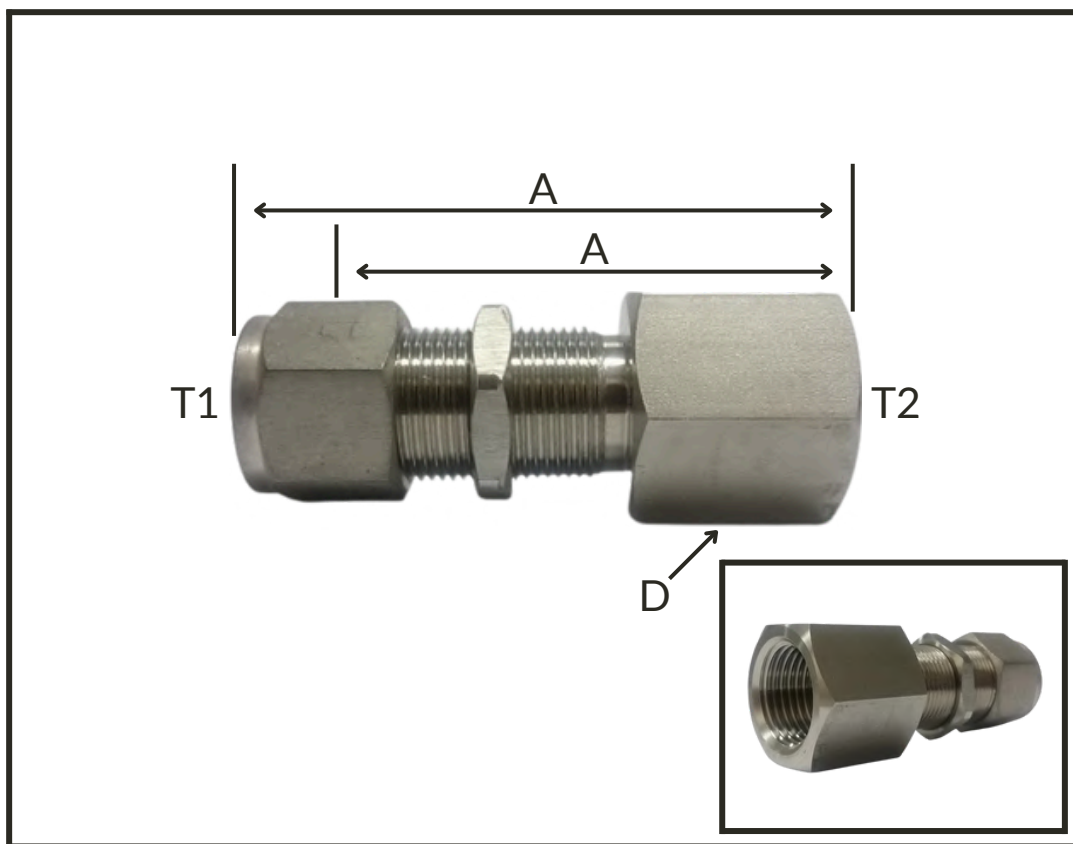
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
CF-2-316	1/8 3,17	1/8	32	23	9/16
CF-2.4-316		1/4	38	29	3/4
CF-3.2-316	3/16 4,76	1/8	34	25	9/16
CF-4-316	1/4 6,35	1/4	40	31	3/4
CF-4.6-316		3/8	40	31	7/8
CF-5.4-316	5/16 7,93	1/4	41	31	3/4
CF-6-316	3/8 9,53	3/8	42	31	7/8
CF-6.8-316		1/2	47	36	1.1/16
CF-8.6-316	1/2 12,70	3/8	44,5	31	7/8
CF-8-316		1/2	49,5	36	1.1/16
CF-10.6-316	5/8 15,87	3/8	45	31	1.1/16
CF-10.8-316		1/2	50	36	1.1/16
CF-12.8-316	3/4 19,05	1/2	50	36	1.1/16
CF-12-316		3/4	53	39	1.3/8



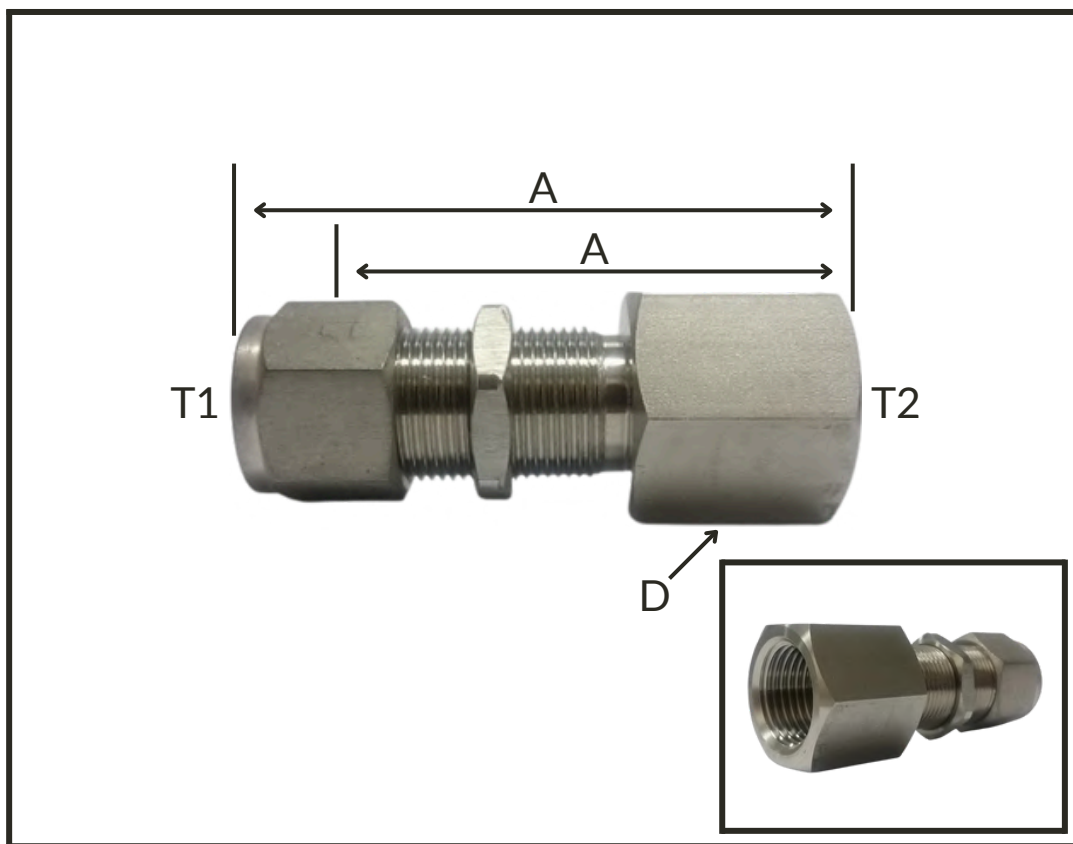
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
CF-2B-316	1/8 3,17	1/8	32	23	9/16
CF-2.4B-316		1/4	38	29	3/4
CF-3.2B-316	3/16 4,76	1/8	34	25	9/16
CF-4B-316	1/4 6,35	1/4	40	31	3/4
CF-4.6B-316		3/8	40	31	7/8
CF-5.4B-316	5/16 7,93	1/4	41	31	3/4
CF-6B-316	3/8 9,53	3/8	42	31	7/8
CF-6.8B-316		1/2	47	36	1.1/16
CF-8.6B-316	1/2 12,70	3/8	44,5	31	7/8
CF-8B-316		1/2	49,5	36	1.1/16
CF-10.6B-316	5/8 15,87	3/8	45	31	1.1/16
CF-10.8B-316		1/2	50	36	1.1/16
CF-12.8B-316	3/4 19,05	1/2	50	36	1.1/16
CF-12B-316		3/4	53	39	1.3/8



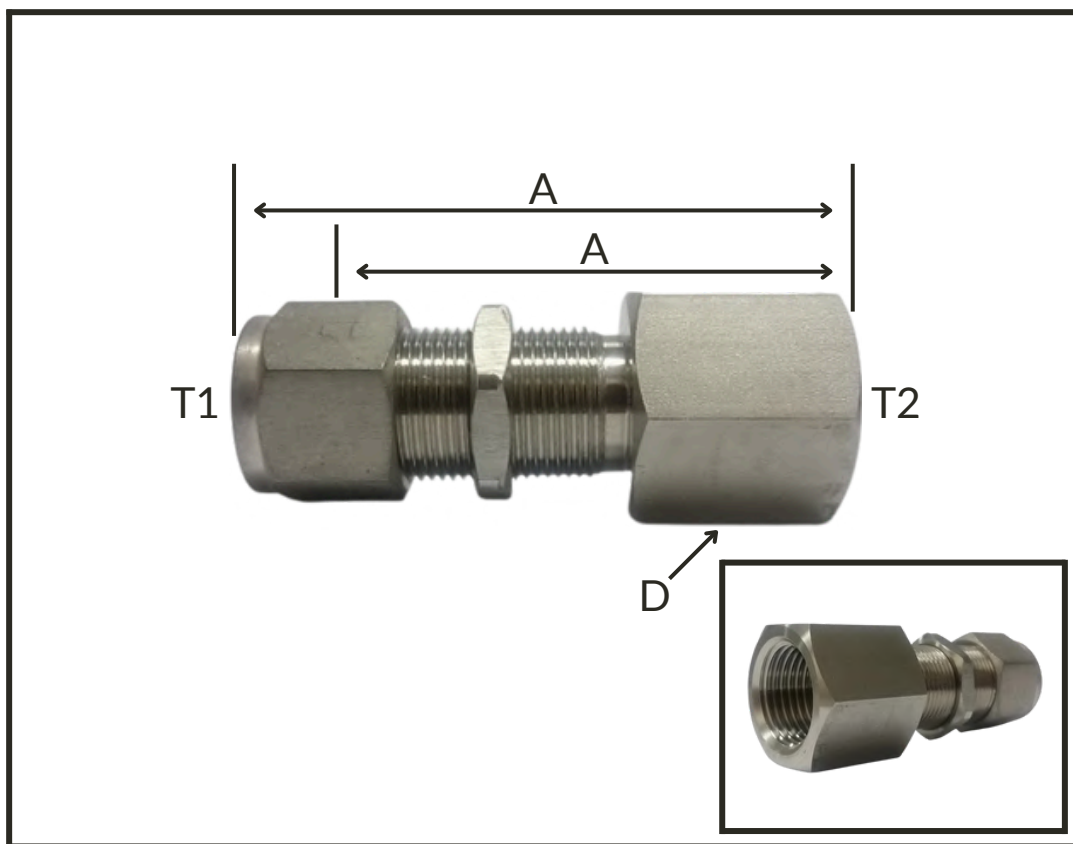
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	MM	POL	MM	MM	POL
CF-M6.2-316	06	1/8	34	25	9/16
CF-M6.4-316		1/4	40	31	3/4
CF-M8.2-316	08	1/8	35	25	9/16
CF-M8.4-316		1/4	41	31	3/4
CF-M10.6-316	10	3/8	42	31	7/8
CF-M10.8-316		1/2	47	36	1.1/16
CF-M10.12-316		3/4	50	39	1.3/8
CF-M12.6-316	12	3/8	44,5	31	7/8
CF-M12.8-316		1/2	49,5	36	1.1/16
CF-M12.12-316		3/4	52,5	39	1.3/8
CF-M16.8-316	16	1/2	50	36	1.1/16
CF-M16.12-316		3/4	53	39	1.3/8
CF-M19.8-316	19	1/2	50	36	1.1/16
CF-M19.12-316		3/4	53	39	1.3/8



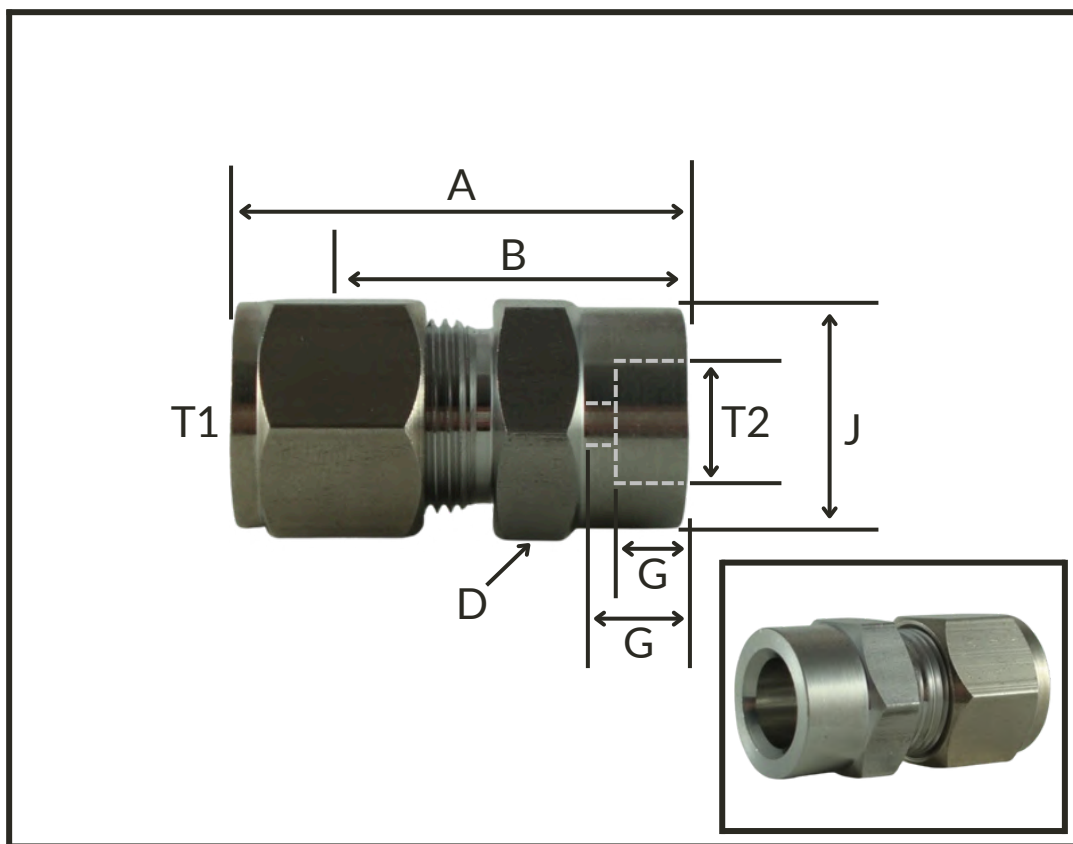
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)	Ø FURO DO PAINEL
	POL MM	POL	MM	MM	POL	MM
CBF-2-316	1/8 3,17	1/8	46	37	9/16	8,3
CBF-4.2-316	1/4 6,35	1/8	46	37	5/8	11,5
CBF-4-316		1/4	52	43	3/4	11,5
CBF-6.4-316	3/8 9,53	1/4	59	48	3/4	14,7
CBF-6-316		3/8	59	48	7/8	14,7
CBF-8.4-316	1/2 12,70	1/4	64,5	51	7/8	19,4
CBF-8.6-316		3/8	64,5	51	7/8	19,4
CBF-8-316		1/2	69,5	56	1.1/16	19,4
CBF-12.8-316	3/4 19,05	1/2	70	56	1.1/4	25,8
CBF-12-316		3/4	73	59	1.3/8	25,8



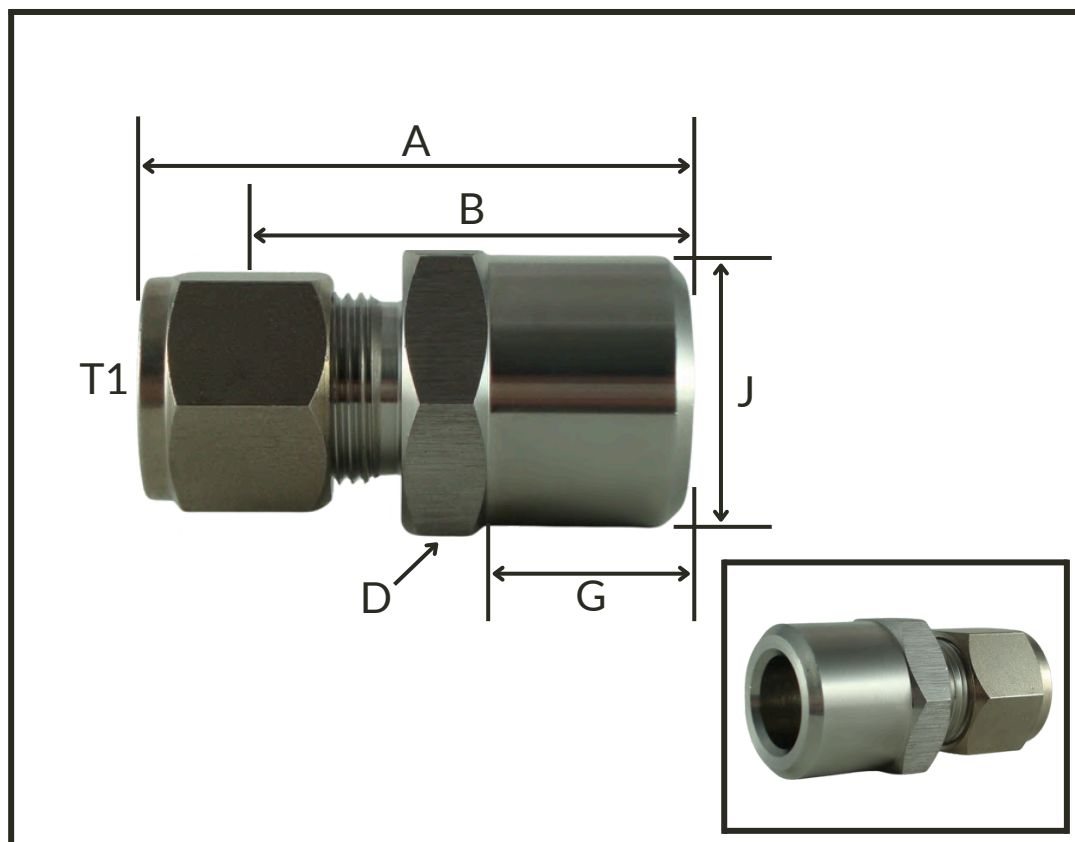
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)	Ø FURO DO PAINEL
	MM	POL	MM	MM	POL	MM
CBF-M6.2-316	06	1/8	46	37	5/8	11,5
CBF-M6.4-316		1/4	52	43	3/4	11,5
CBF-M10.4-316	10	1/4	59	48	3/4	14,7
CBF-M10.6-316		3/8	59	48	7/8	14,7
CBF-M12.4-316	12	1/4	64,5	51	7/8	19,4
CBF-M12.6-316		3/8	64,5	51	7/8	19,4
CBF-M12.8-316		1/2	69,5	56	1.1/16	19,4
CBF-M19.8-316	19	1/2	70	56	1.1/4	25,8
CBF-M19.12-316		3/4	73	59	1.3/8	25,8



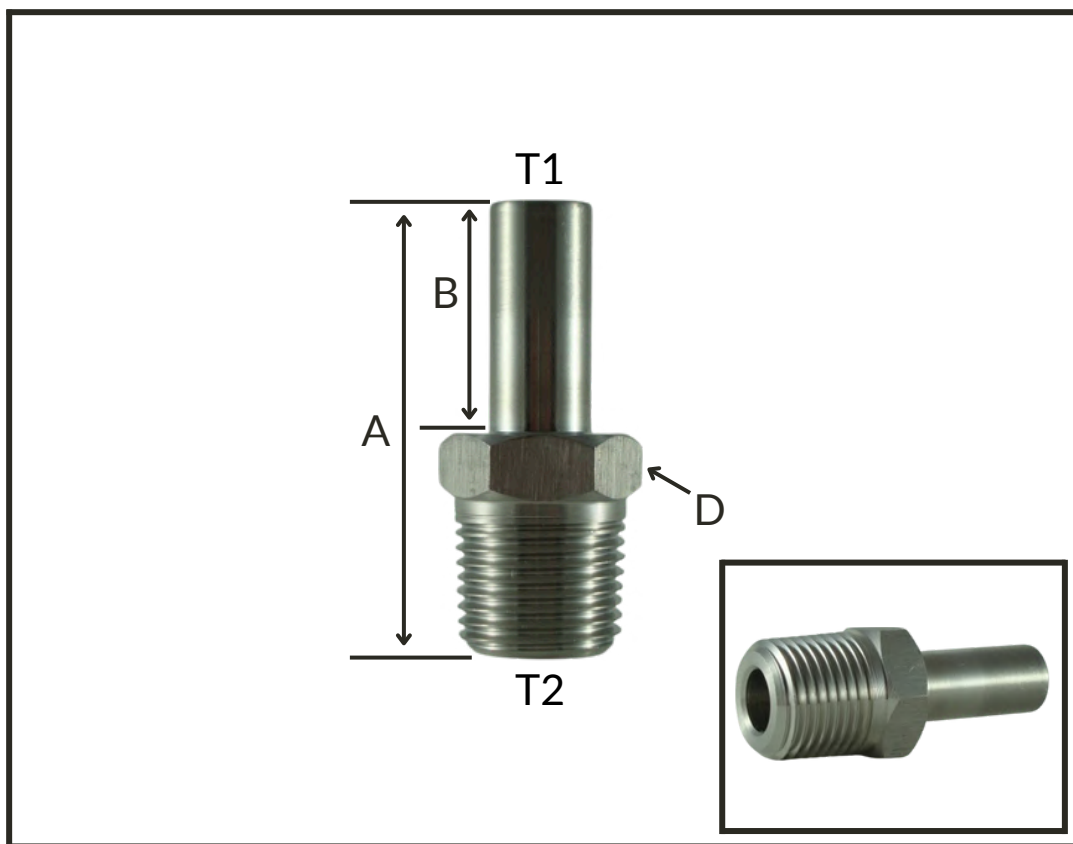
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)	Ø FURO DO PAINEL
	POL MM	POL	MM	MM	POL	MM
CBF-2B-316	1/8 3,17	1/8	46	37	9/16	8,3
CBF-4.2B-316	1/4 6,35	1/8	46	37	5/8	11,5
CBF-4B-316		1/4	52	43	3/4	11,5
CBF-6.4B-316	3/8 9,53	1/4	59	48	3/4	14,7
CBF-6B-316		3/8	59	48	7/8	14,7
CBF-8.4B-316	1/2 12,70	1/4	64,5	51	7/8	19,4
CBF-8.6B-316		3/8	64,5	51	7/8	19,4
CBF-8B-316		1/2	69,5	56	1.1/16	19,4
CBF-12.8B-316	3/4 19,05	1/2	70	56	1.1/4	25,8
CBF-12B-316		3/4	73	59	1.3/8	25,8



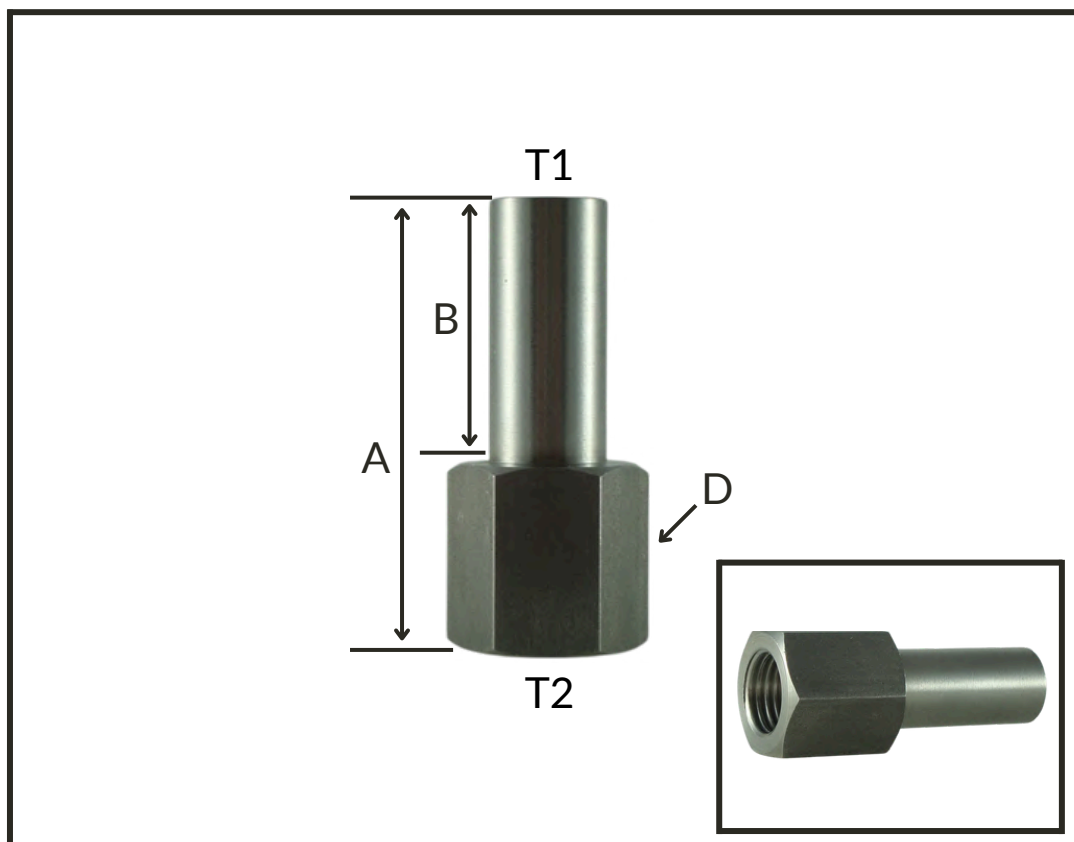
CÓDIGO	Ø TUBO (T1)	SW. (T2)	DIMENS. (A)	DIMENS. (B)	DIMENS. (D)	DIMENS. (G/GX)	DIMENS. (J)
	POL MM	POL MM	MM	MM	POL	POL	POL
CSE-2-316	1/8 3,17	1/8 3,17	33	24	7/16	10	10,5
CSE-4-316	1/4 6,35	1/4 6,35	36	27	9/16	10	13,5
CSE-5-316	5/16 7,93	5/16 7,93	37	27	5/8	10	15
CSE-6-316	3/8 9,53	3/8 9,53	38	27	11/16	10	17
CSE-6.8-316		1/2 12,70	38	27	3/4	10	18,5
CSE-6.12-316		3/4 19,05	41	30	1.1/16	13	26,5
CSE-8.4-316	1/2 12,70	1/4 6,35	42,5	29	7/8	10	21,5
CSE-8-316		1/2 12,70	42,5	29	7/8	10	21,5
CSE-8.12-316		3/4 19,05	45,5	32	1.1/16	13	26,5
CSE-8.16-316		1 25,40	51,5	38	1.3/8	19	34
CSE-12-316	3/4 19,05	3/4 19,05	47	33	1.1/16	10	26,5



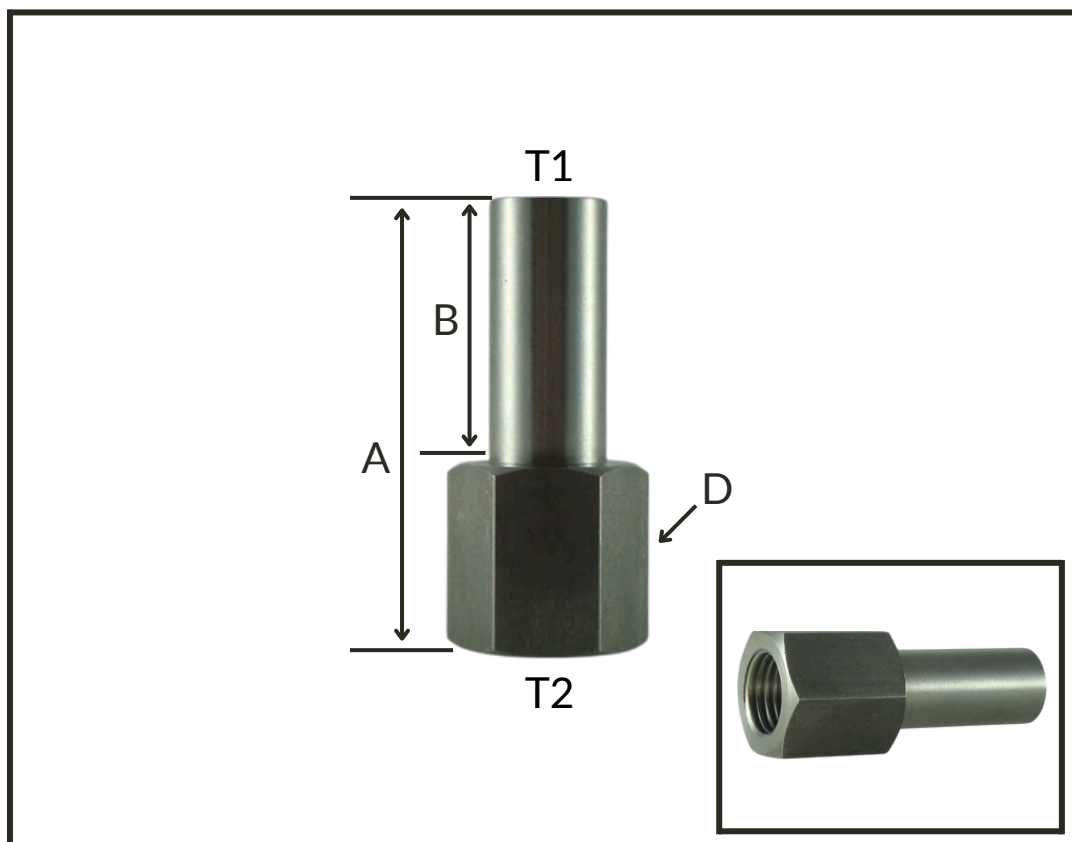
CÓDIGO	Ø TUBO (T1)	BW. (J)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)	DIMENSÃO (G)
	POL MM	CANO MM	MM	MM	POL	POL
CST-2-316	1/8 3,17	1/8 10,3	32,7	23,7	7/16	9,7
CST-3.2-316	3/16 4,76	1/8 10,3	34,7	25,7	7/16	9,7
CST-4.2-316	1/4 6,35	1/8 10,3	35,7	26,7	1/2	9,7
CST-4-316		1/4 13,7	40,2	31,2	9/16	14,2
CST-4.8-316		1/2 21,3	47,1	38,1	7/8	19,1
CST-5.4-316	5/16 7,93	1/4 13,7	41,2	31,2	9/16	14,2
CST-6-316	3/8 9,53	3/8 17,1	42,2	31,2	11/16	14,2
CST-6.8-316		1/2 21,3	49,1	38,1	7/8	19,1
CST-6.12-316		3/4 25,7	49,1	38,1	1.1/16	19,1
CST-8.6-316	1/2 12,70	3/8 17,1	46,7	33,2	7/8	14,2
CST-8-316		1/2 21,3	51,6	38,1	7/8	19,1
CST-8.12-316		3/4 25,7	51,6	38,1	1.1/16	19,1
CST-10.8-316	5/8 15,87	1/2 21,3	53,1	39,1	1	19,1
CST-12-316	3/4 19,05	3/4 25,7	53,1	39,1	1.1/16	19,1



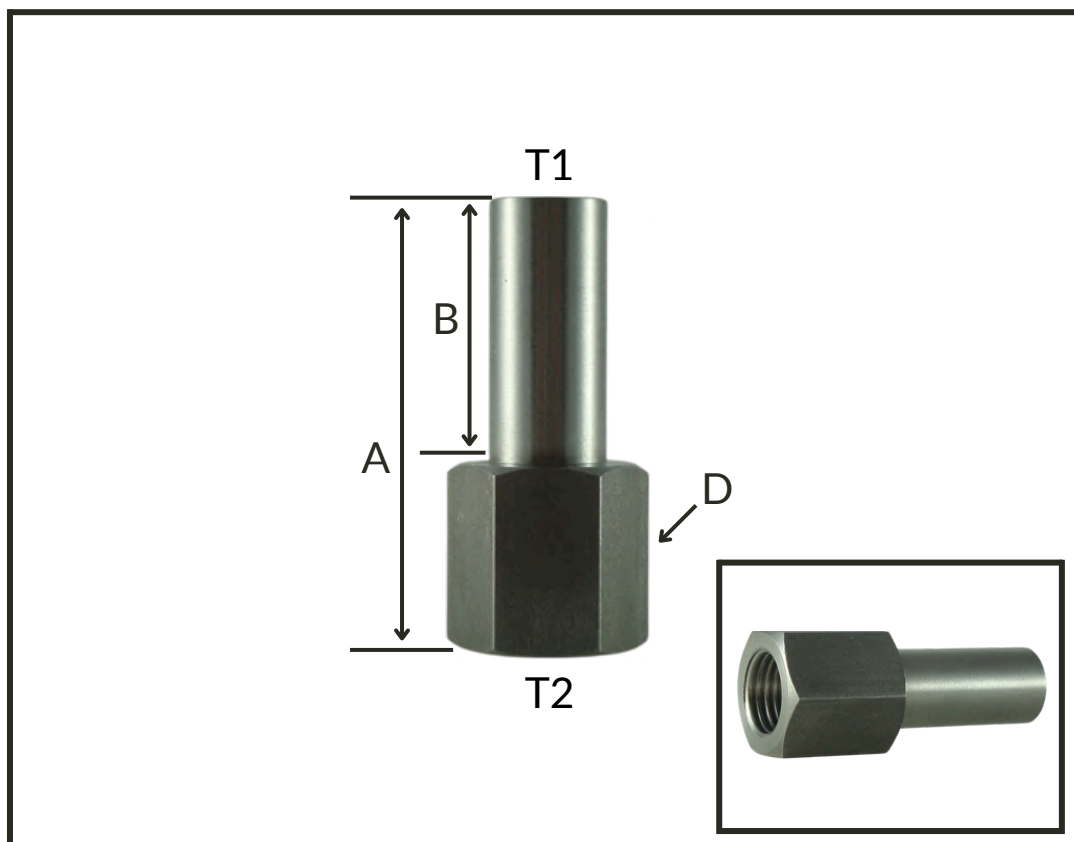
CÓDIGO	Ø PONTA LISA (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
TM-2-316	1/8 3,17	1/8	33,7	19	7/16
TM-2.4-316		1/4	39,2	19	9/16
TM-3.2-316	3/16 4,76	1/8	33,7	19	7/16
TM-4-316	1/4 6,35	1/4	39,2	19	9/16
TM-4.6-316		3/8	39,2	19	11/16
TM-5.4-316	5/16 7,93	1/4	40,2	20	9/16
TM-6-316	3/8 9,53	3/8	44,2	24	11/16
TM-6.8-316		1/2	51	24	7/8
TM-8.4-316	1/2 12,70	1/4	50,2	28	9/16
TM-8.6-316		3/8	50,2	28	11/16
TM-8-316		1/2	55	28	7/8
TM-10.8-316	5/8 15,87	1/2	57	30	7/8
TM-12.8-316	3/4 19,05	1/2	59	32	7/8
TM-12-316		3/4	59	32	1.1/16



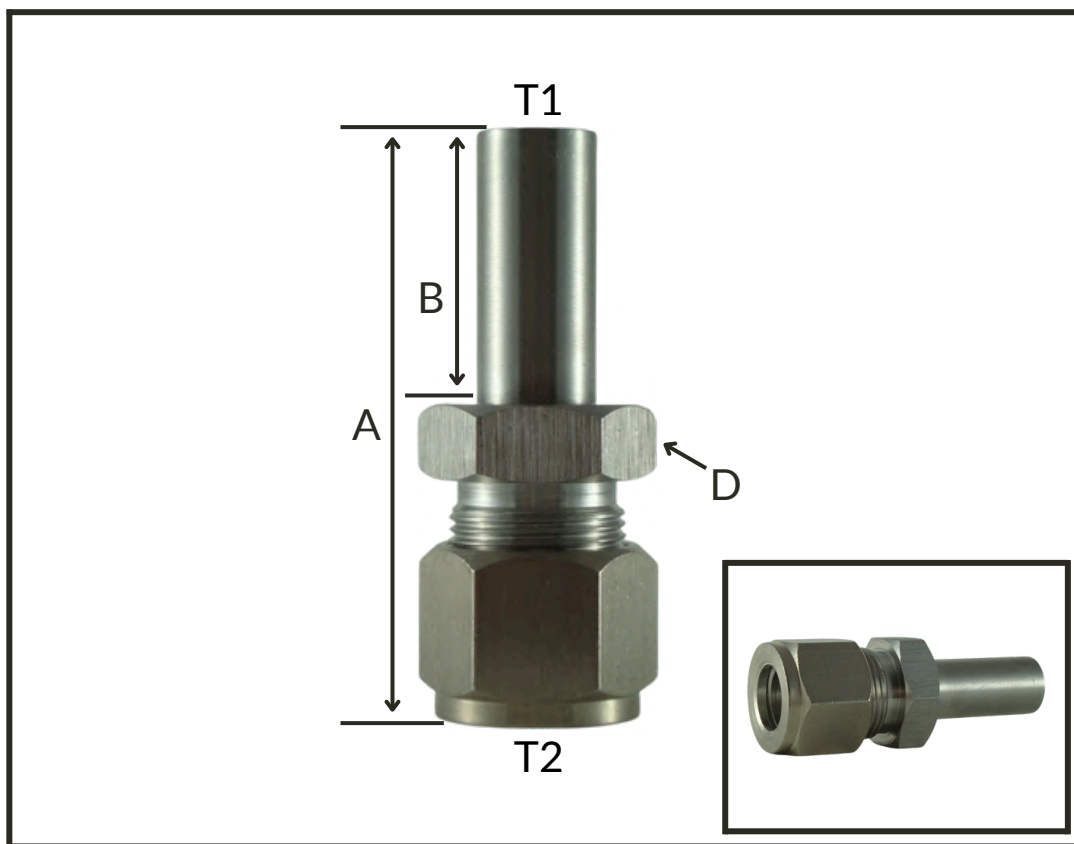
CÓDIGO	Ø PONTA LISA (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
TF-2-316	1/8 3,17	1/8	33	19	9/16
TF-2.4-316		1/4	39	19	3/4
TF-3.4-316	3/16 4,76	1/4	39	19	3/4
TF-4-316	1/4 6,35	1/4	39	19	3/4
TF-4.6-316		3/8	39	19	7/8
TF-5.4-316	5/16 7,93	1/4	40	20	3/4
TF-6-316	3/8 9,53	3/8	44	24	7/8
TF-6.8-316		1/2	49	24	1.1/16
TF-8.4-316	1/2 12,70	1/4	48	28	3/4
TF-8.6-316		3/8	48	28	7/8
TF-8-316		1/2	53	28	1.1/16
TF-10.8-316	5/8 15,87	1/2	55	30	1.1/16
TF-12-316	3/4 19,05	3/4	60	32	1.3/8
TF-12.16-316		1	64	32	1.5/8



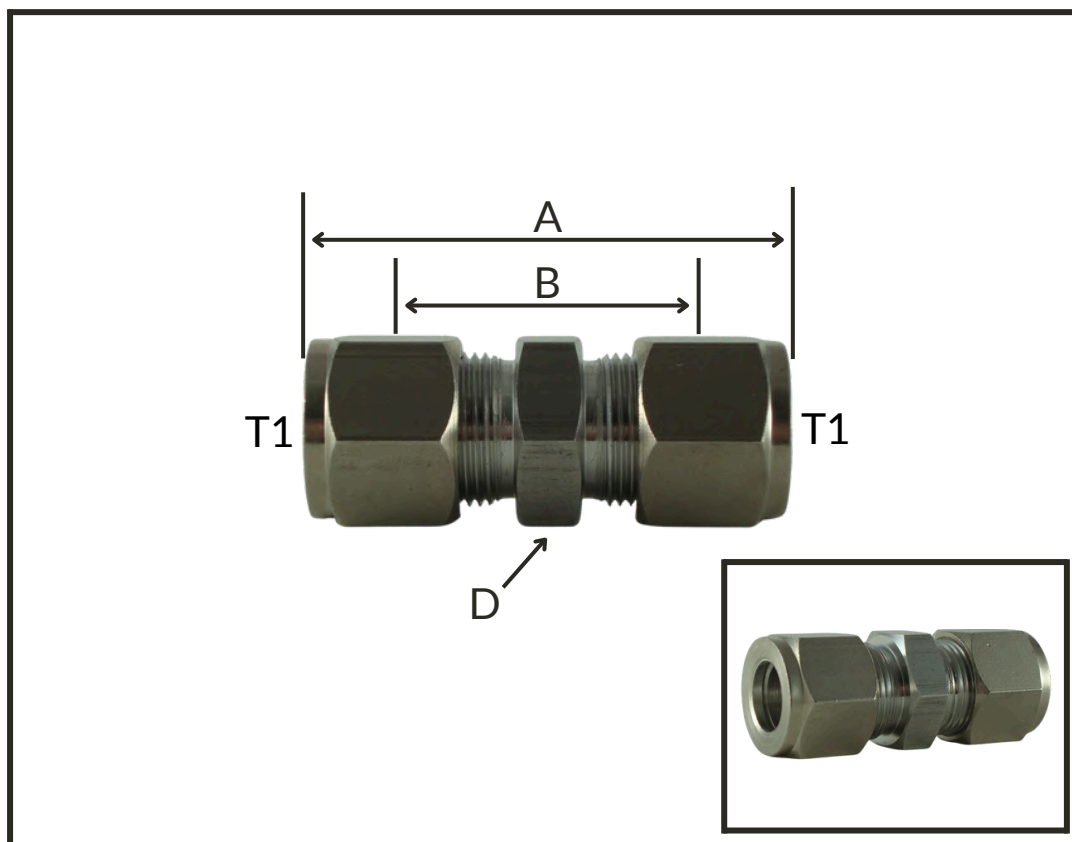
CÓDIGO	Ø PONTA LISA (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	MM	POL MM	MM	MM	POL
TF-M6.2-316	06	1/8	33	19	9/16
TF-M6.4-316		1/4	39	19	3/4
TF-M6.6-316		3/8	39	19	7/8
TF-M8.4-316	08	1/4	40	20	3/4
TF-M10.4-316	10	1/4	44	24	3/4
TF-M10.6-316		3/8	44	24	7/8
TF-M10.8-316		1/2	49	24	1.1/16
TF-M12.4-316	12	1/4	48	28	3/4
TF-M12.6-316		3/8	48	28	7/8
TF-M12.8-316		1/2	53	28	1.1/16
TF-M16.8-316	16	1/2	55	30	1.1/16
TF-M19.8-316	19	1/2	57	32	1.1/16
TF-M19.12-316		3/4	60	32	1.3/8
TF-M19.16-316		1	64	32	1.5/8



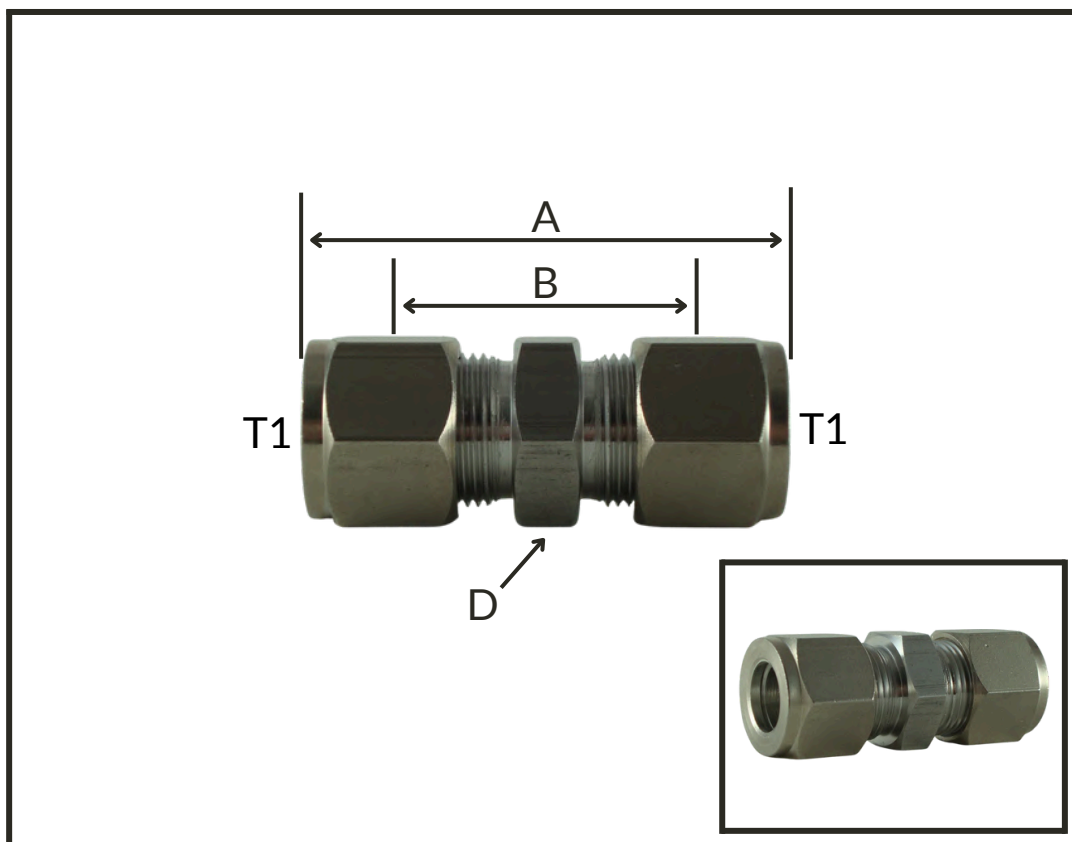
CÓDIGO	Ø PONTA LISA (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL	MM	MM	POL
TF-2B-316	1/8 3,17	1/8	33	19	9/16
TF-2.4B-316		1/4	39	19	3/4
TF-3.4B-316	3/16 4,76	1/4	39	19	3/4
TF-4B-316	1/4 6,35	1/4	39	19	3/4
TF-4.6B-316		3/8	39	19	7/8
TF-5.4B-316	5/16 7,93	1/4	40	20	3/4
TF-6B-316	3/8 9,53	3/8	44	24	7/8
TF-6.8B-316		1/2	49	24	1.1/16
TF-8.4B-316	1/2 12,70	1/4	48	28	3/4
TF-8.6B-316		3/8	48	28	7/8
TF-8B-316		1/2	53	28	1.1/16
TF-10.8B-316	5/8 15,87	1/2	55	30	1.1/16
TF-12B-316	3/4 19,05	3/4	60	32	1.3/8
TF-12.16B-316		1	64	32	1.5/8



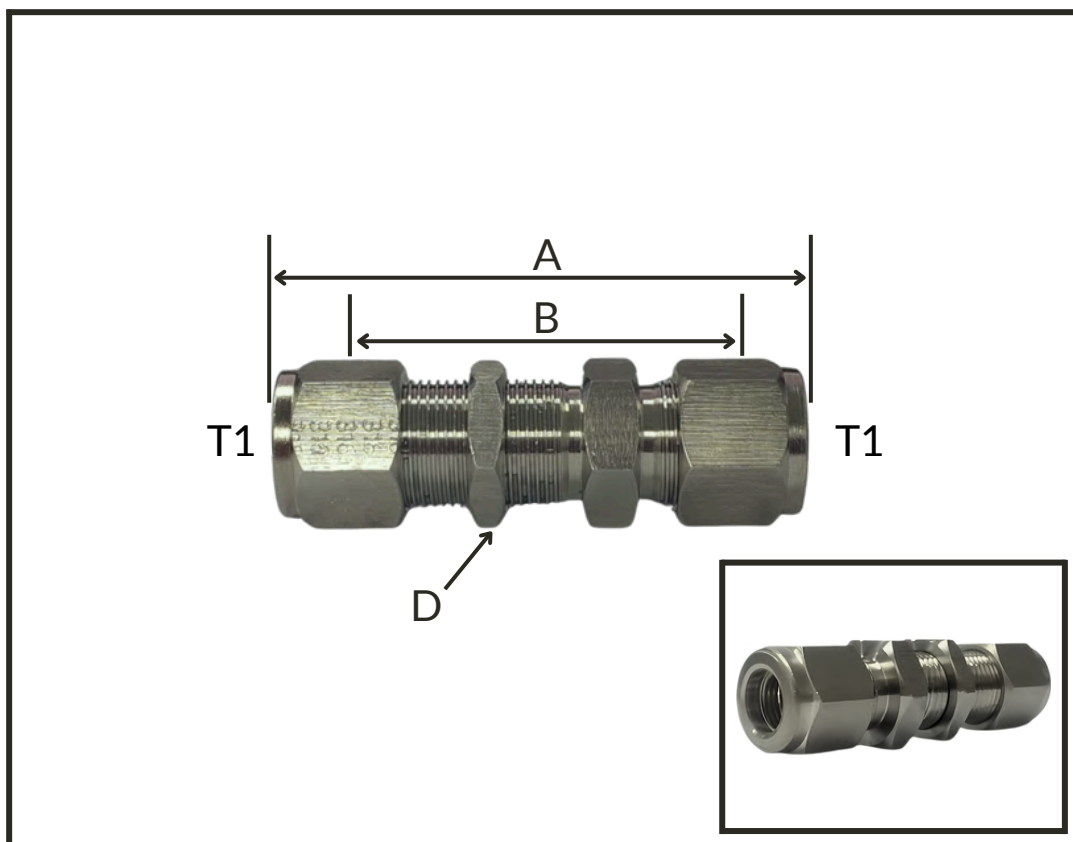
CÓDIGO	Ø TUBO (T1)	Ø PONTA LISA (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	POL MM	MM	MM	POL
TT-2-316	1/8 3,17	1/8 3,17	42	33	7/16
TT-2.3-316		3/16 4,76	42	33	7/16
TT-3-316	3/16 4,76	3/16 4,76	44	35	7/16
TT-4-316	1/4 6,35	1/4 6,35	45	36	1/2
TT-4.5-316		5/16 7,93	46	37	1/2
TT-5.6-316	5/16 7,93	3/8 9,53	51	41	9/16
TT-5.8-316		1/2 12,70	57	47	9/16
TT-6-316	3/8 9,53	3/8 9,53	52	41	5/8
TT-6.8-316		1/2 12,70	58	47	5/8
TT-6.10-316		5/8 15,87	60	49	11/16
TT-8-316	1/2 12,70	1/2 12,70	60,5	47	7/8
TT-8.10-316		5/8 15,87	62,5	49	7/8
TT-8.12-316		3/4 19,05	64,5	51	7/8
TT-12-316	3/4 19,05	3/4 19,05	65	51	1.1/16



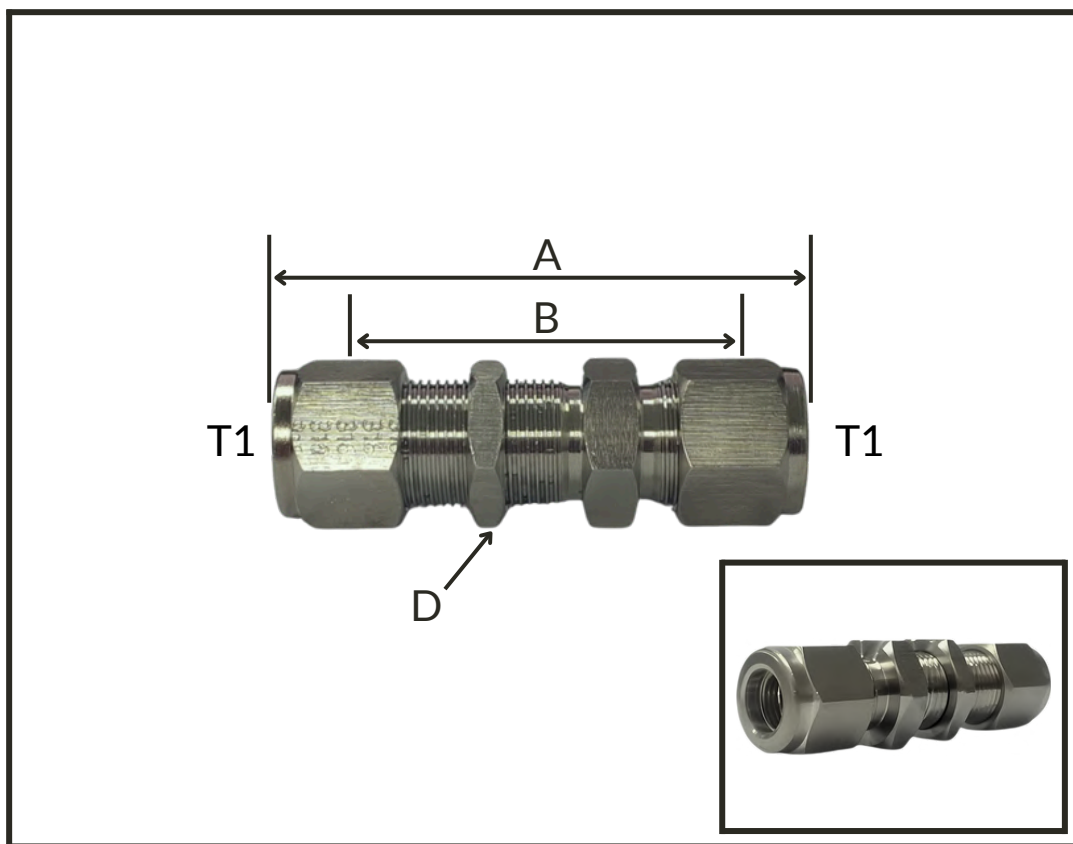
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	MM	POL	POL
U-2-316	1/8 3,17	42	24	7/16
U-3-316	3/16 4,76	46	28	1/2
U-4-316	1/4 6,35	46	28	9/16
U-5-316	5/16 7,93	48	28	5/8
U-6-316	3/8 9,53	50	28	11/16
U-8-316	1/2 12,70	57	30	7/8
U-10-316	5/8 15,87	59	31	1.1/16
U-12-316	3/4 19,05	59	31	1.1/4



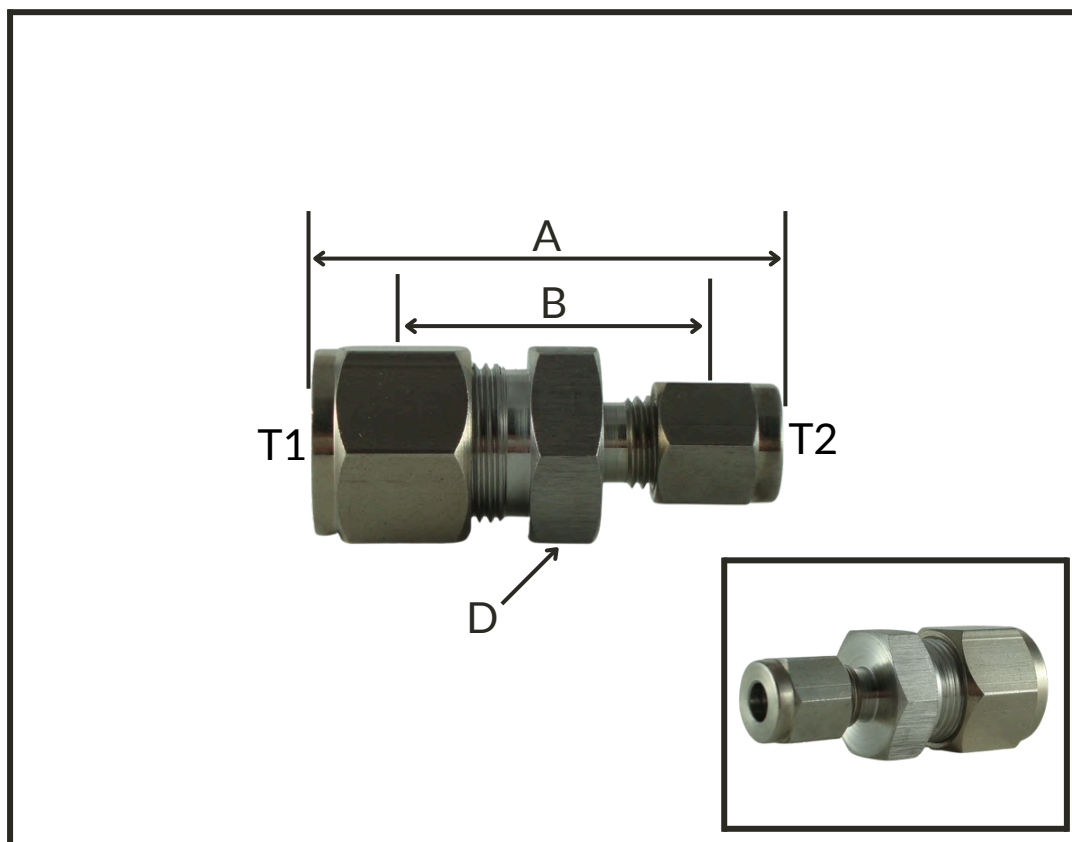
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL	MM	POL	POL
U-M6-316	06	46	28	9/16
U-M8-316	08	48	28	5/8
U-M10-316	10	50	28	11/16
U-M12-316	12	57	30	7/8
U-M16-316	16	59	31	1.1/16
U-M19-316	19	59	31	1.1/4



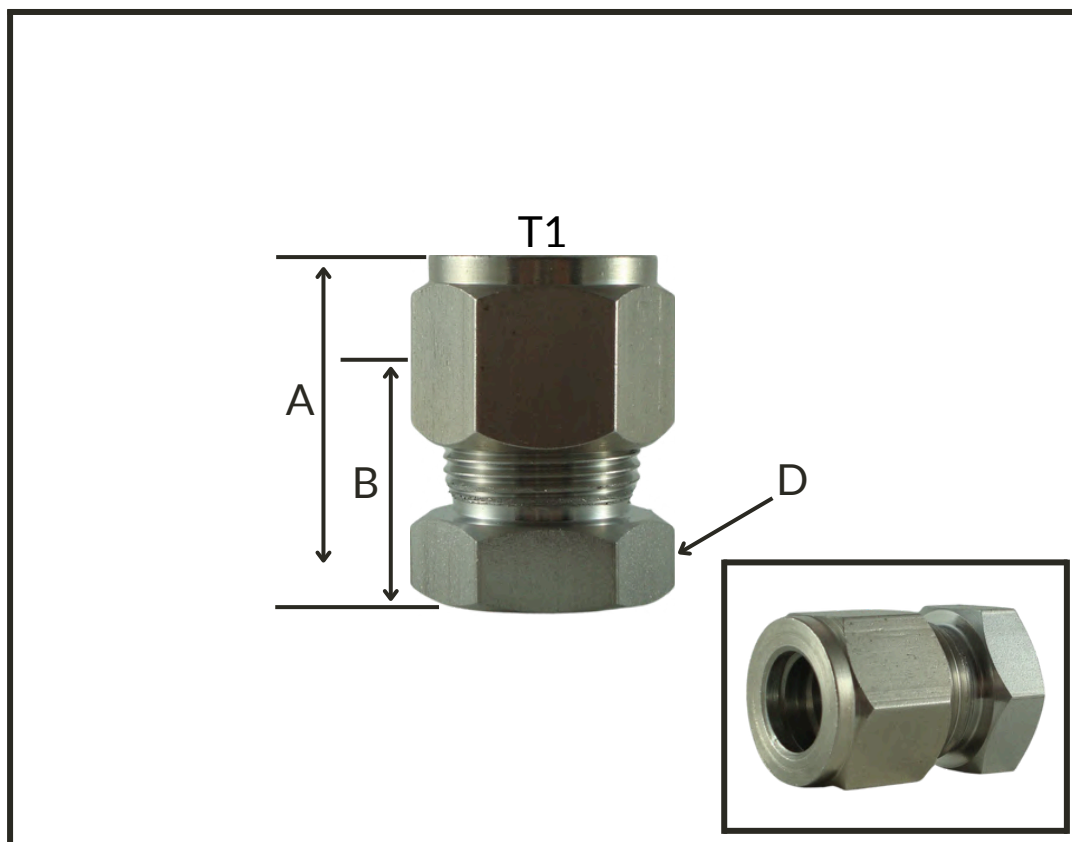
CÓDIGO	Ø TUBO (T1)	DIMENS. (A)	DIMENS. (B)	DIMENS. (D)	DIMENS. FURO
	POL MM	MM	POL	POL	MM
UB-2-316	1/8 3,17	55	37	1/2	8,3
UB-3-316	3/16 4,76	57	39	9/16	9,9
UB-4-316	1/4 6,35	58	40	5/8	11,5
UB-5-316	5/16 7,93	61	41	11/16	13,1
UB-6-316	3/8 9,53	67	45	3/4	14,7
UB-8-316	1/2 12,70	77	50	7/8	19,4
UB-10-316	5/8 15,87	79	51	1.1/16	22,6
UB-12-316	3/4 19,05	79	51	1.1/4	25,8



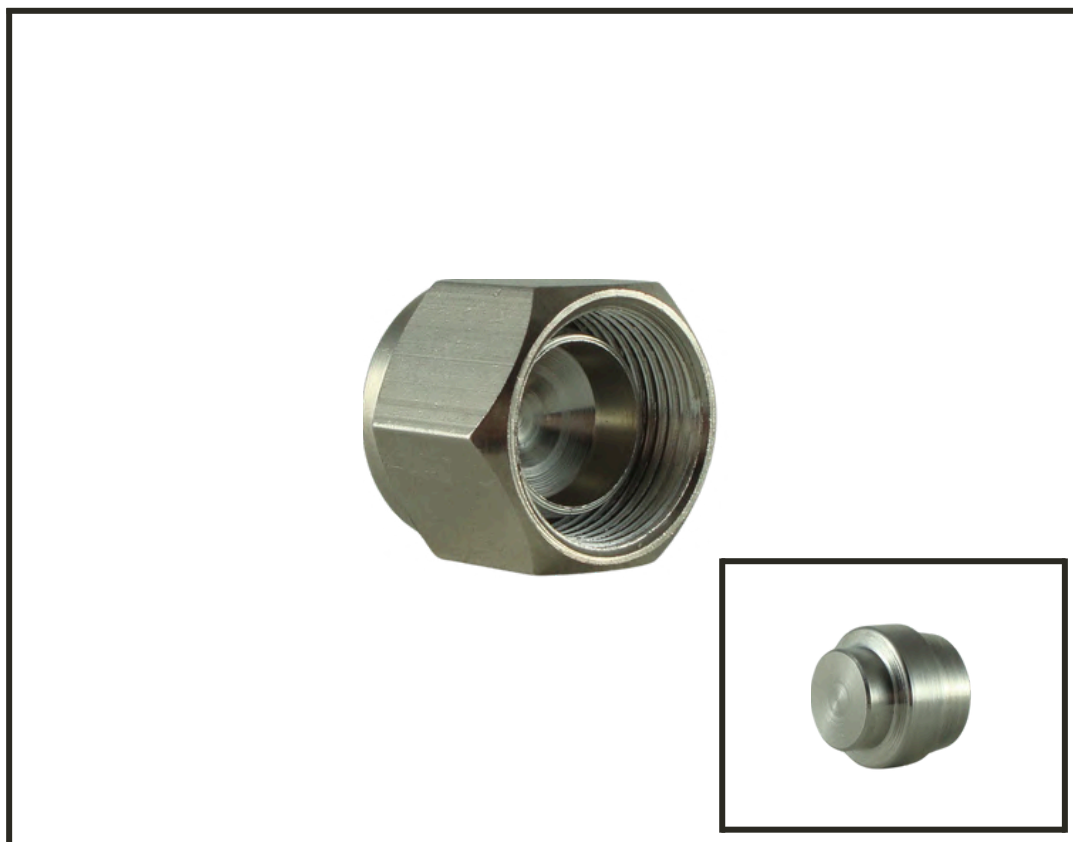
CÓDIGO	Ø TUBO (T1)	DIMENS. (A)	DIMENS. (B)	DIMENS. (D)	DIMENS. FURO
	MM	MM	POL	POL	MM
UB-M6-316	06	58	40	5/8	11,5
UB-M8-316	08	61	41	11/16	13,1
UB-M10-316	10	67	45	3/4	14,7
UB-M12-316	12	77	50	7/8	19,4
UB-M16-316	16	79	51	1.1/16	22,6



CÓDIGO	Ø TUBO (T1)	Ø TUBO (T2)	DIMENSÃO (A)	DIMENSÃO (B)	CHAVE (D)
	POL MM	POL MM	MM	MM	POL
UR-3.2-316	3/16 4,76	1/8 3,17	43	26	7/16
UR-4.2-316	1/4 6,35	1/8 3,17	44	26	1/2
UR-4.3-316		3/16 4,76	46	28	1/2
UR-5.4-316	5/16 7,93	1/4 6,35	47	28	9/16
UR-6.2-316	3/8 9,53	1/8 3,17	46	26	5/8
UR-6.4-316		1/4 6,35	48	28	5/8
UR-6.5-316		5/16 7,93	49	28	5/8
UR-8.2-316	1/2 12,70	1/8 3,17	50,5	28	7/8
UR-8.4-316		1/4 6,35	52,5	30	7/8
UR-8.6-316		3/8 9,53	54,5	30	7/8
UR-10.8-316	5/8 15,87	1/2 12,70	58,5	31	1.1/16
UR-12.6-316	3/4 19,05	3/8 9,53	56	31	1.1/16
UR-12.8-316		1/2 12,70	58,5	31	1.1/16
UR-12.10-316		5/8 15,87	59	31	1.1/16



CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	MM	POL	POL
TPT-2-316	1/8 3,17	23	14	7/16
TPT-3-316	3/16 4,76	25	16	7/16
TPT-4-316	1/4 6,35	26	17	1/2
TPT-5-316	5/16 7,93	27	17	9/16
TPT-6-316	3/8 9,53	28	17	5/8
TPT-8-316	1/2 12,70	32,5	19	7/8
TPT-10-316	5/8 15,87	34	20	1.1/16
TPT-12-316	3/4 19,05	34	20	1.1/16



CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
TPC-2-316	1/8 3,17
TPC-3-316	3/16 4,76
TPC-4-316	1/4 6,35
TPC-5-316	5/16 7,94
TPC-6-316	3/8 9,53
TPC-8-316	1/2 12,70
TPC-10-316	5/8 15,88
TPC-12-316	3/4 19,05



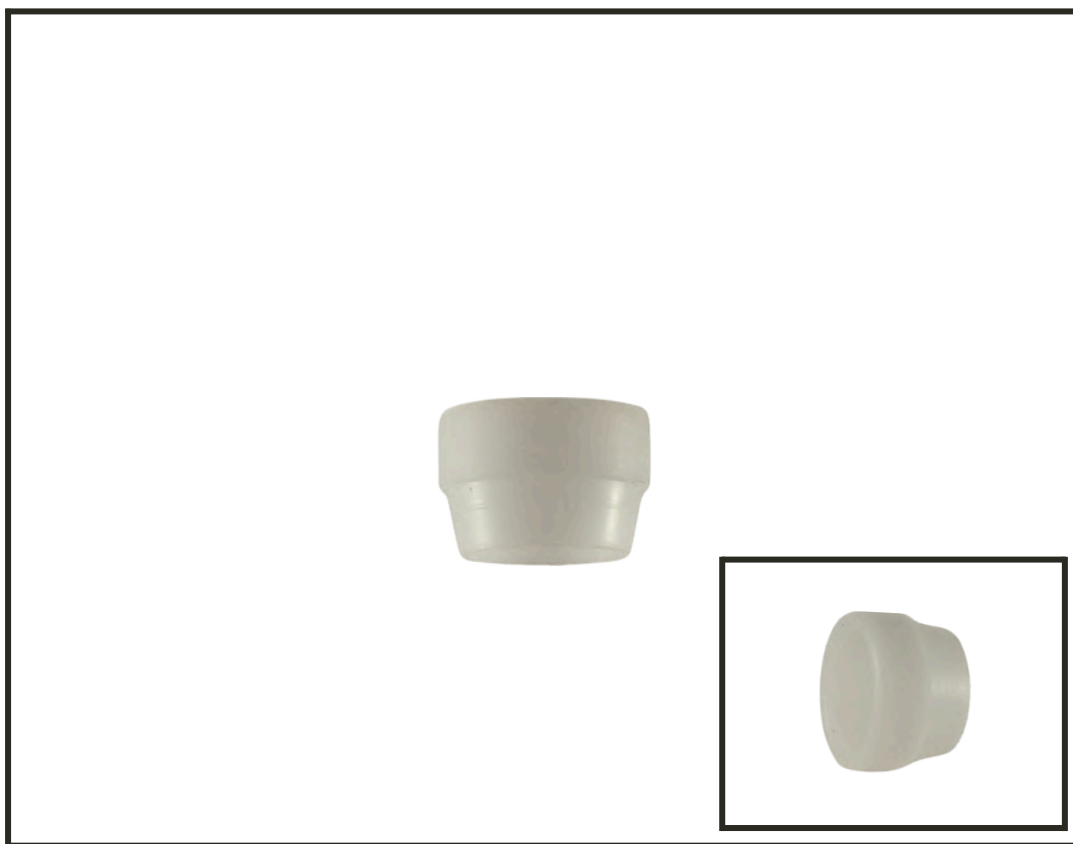
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
AT-2-316	1/8 3,17
AT-3-316	3/16 4,76
AT-M6-316	X 06
AT-4-316	1/4 6,35
AT-5-316	5/16 7,93
AT-M8-316	X 08
AT-6-316	3/8 9,53
AT-M10-316	X 10
AT-M12-316	X 12
AT-8-316	1/2 12,70
AT-10-316	5/8 15,87
DAT-M16-316	X 16
AT-M19-316	X 19
AT-12-316	3/4 19,05



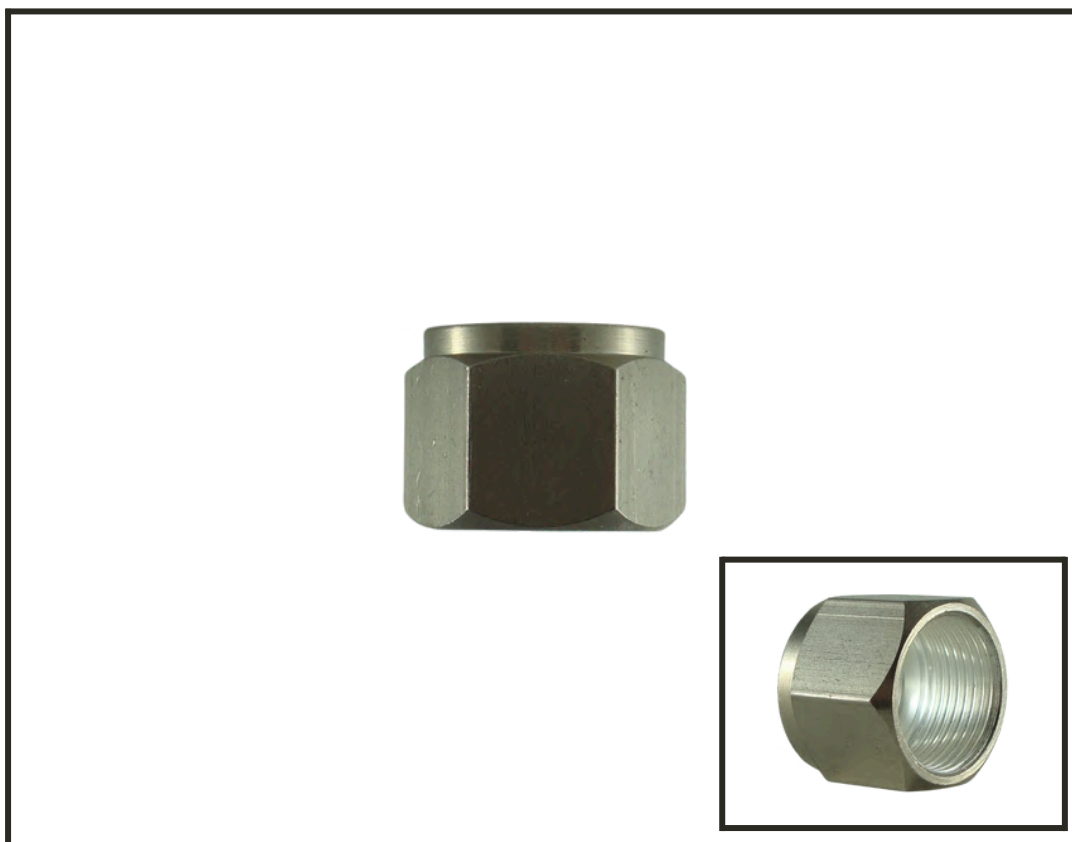
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
AD-2-316	1/8 3,17
AD-3-316	3/16 4,76
AD-M6-316	X 06
AD-4-316	1/4 6,35
AD-5-316	5/16 7,93
AD-M8-316	X 08
AD-6-316	3/8 9,53
AD-M10-316	X 10
AD-M12-316	X 12
AD-8-316	1/2 12,70
AD-10-316	5/8 15,87
AD-M16-316	X 16
AD-M19-316	X 19
AD-12-316	3/4 19,05



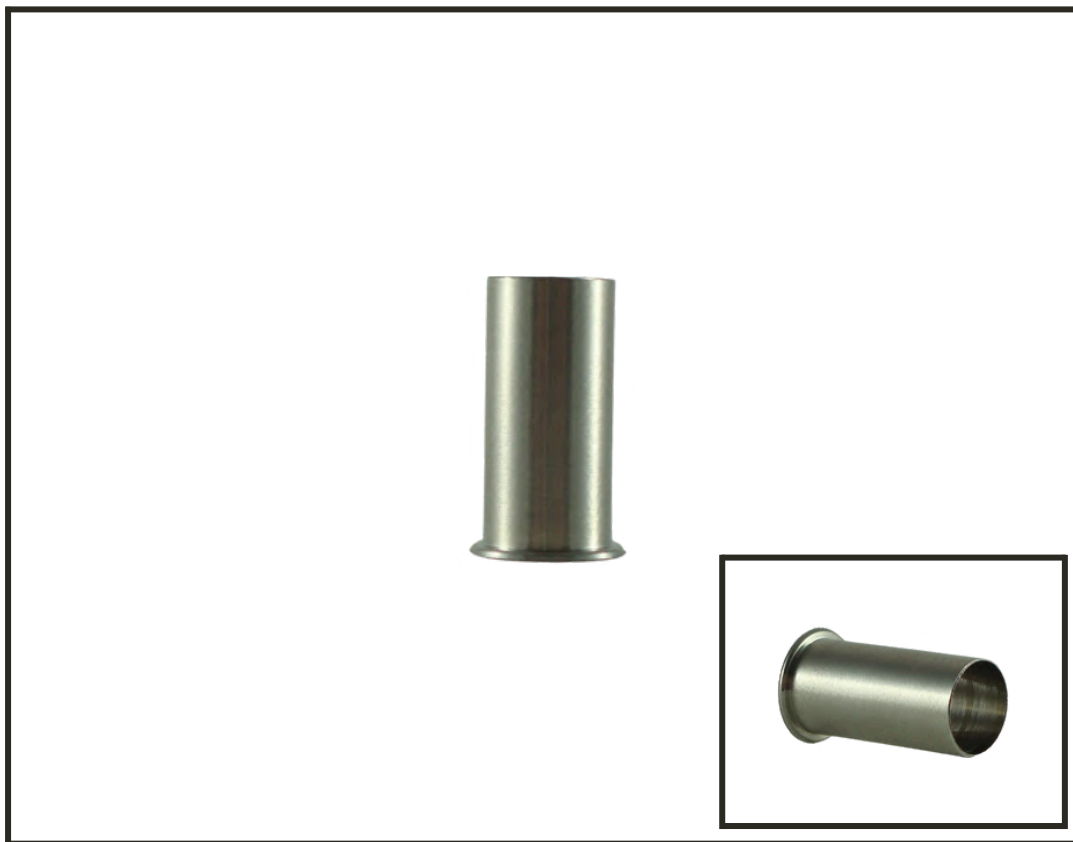
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
ADAT-2-316	1/8 3,17
ADAT-3-316	3/16 4,76
ADAT-M6-316	X 06
ADAT-4-316	1/4 6,35
ADAT-5-316	5/16 7,93
ADAT-M8-316	X 08
ADAT-6-316	3/8 9,53
ADAT-M10-316	X 10
ADAT-M12-316	X 12
ADAT-8-316	1/2 12,70
ADAT-10-316	5/8 15,87
ADAT-M16-316	X 16
ADAT-M19-316	X 19
ADAT-12-316	3/4 19,05



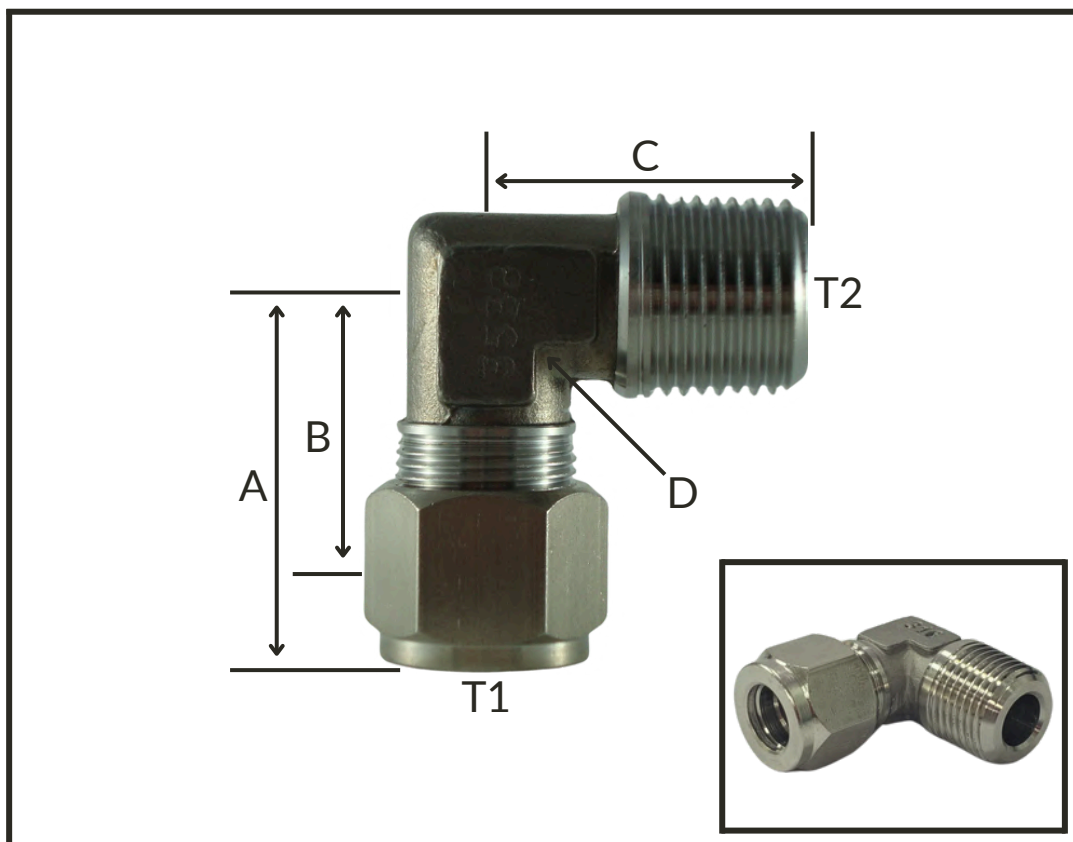
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
AD-M6-DR	X 06
AD-4-DR	1/4 6,35
AD-M8-DR	X 08
AD-M10-DR	X 10



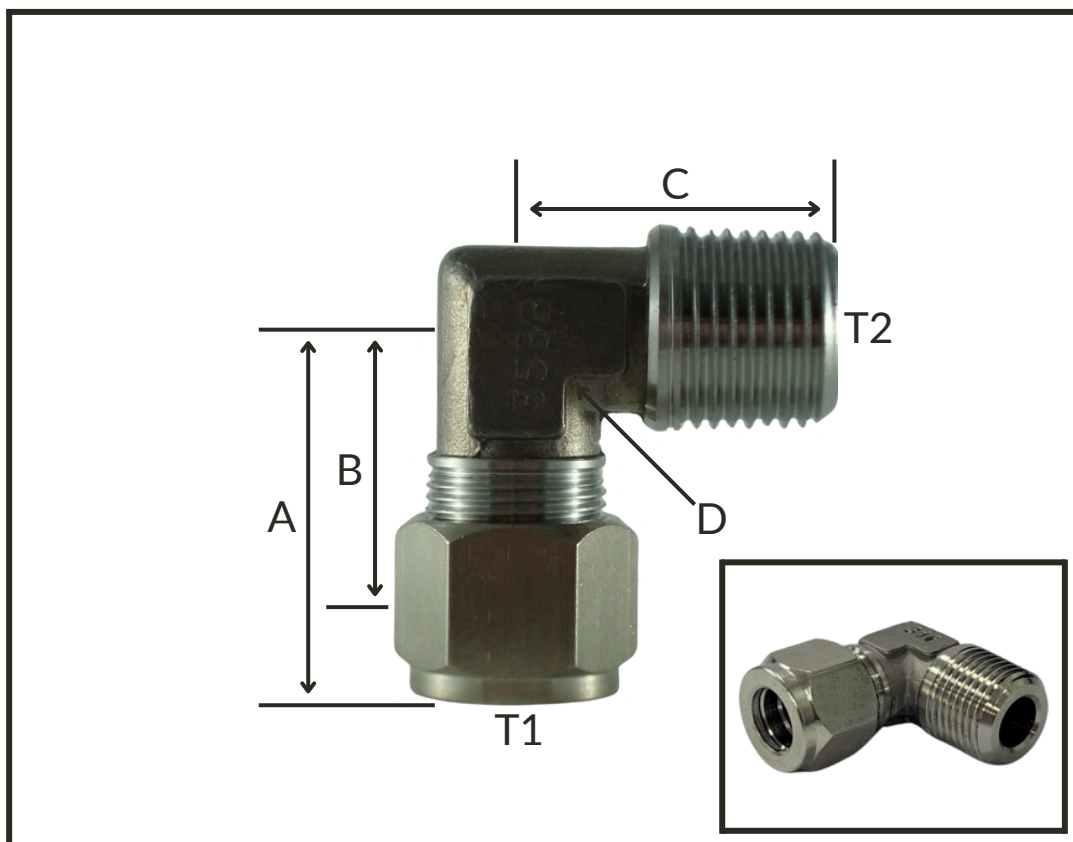
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
FG-2-316	1/8 3,17
FG-3-316	3/16 4,76
FG-M6-316	X 06
FG-4-316	1/4 6,35
FG-5-316	5/16 7,93
FG-M8-316	X 08
FG-6-316	3/8 9,53
FG-M10-316	X 10
FG-M12-316	X 12
FG-8-316	1/2 12,70
FG-10-316	5/8 15,87
FG-M16-316	X 16
FG-M19-316	X 19
FG-12-316	3/4 19,05



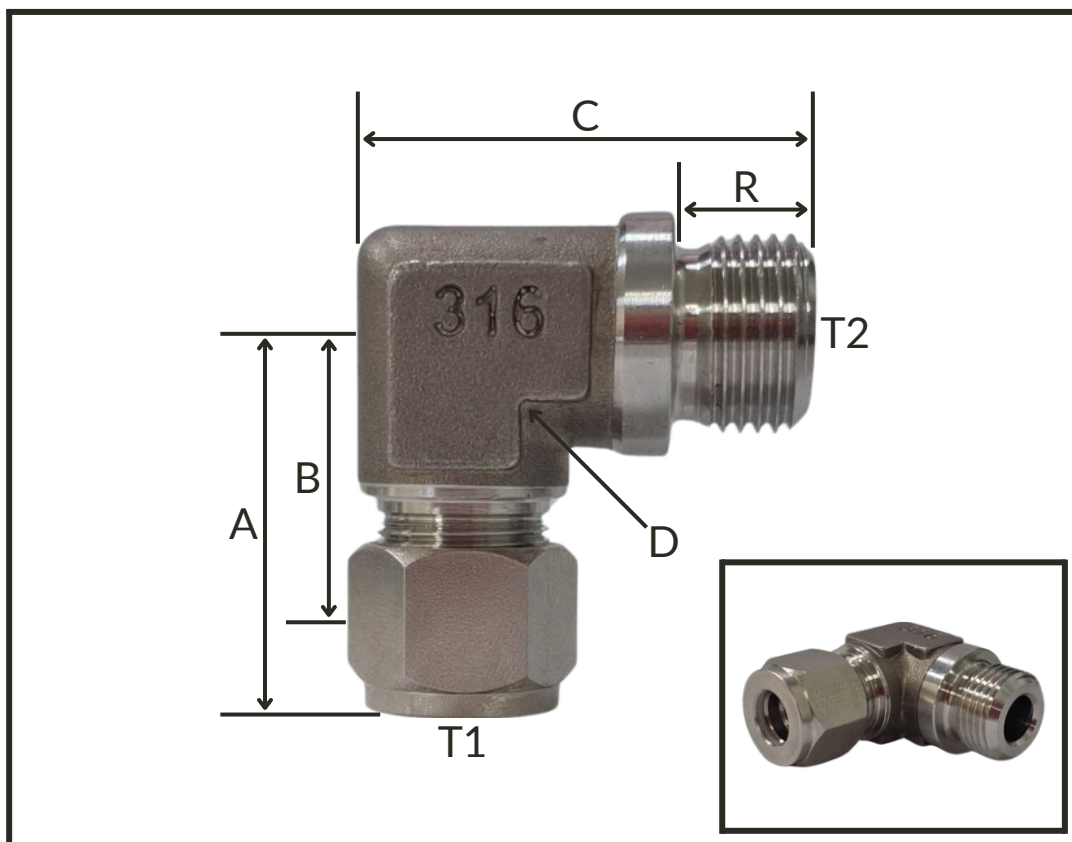
CÓDIGO	Ø EXTERNO DO TUBO
	POL MM
IT-2-316	1/8 3,17
IT-3-316	3/16 4,76
IT-4-316	1/4 6,35
IT-5-316	5/16 7,93
IT-6-316	3/8 9,53
IT-8-316	1/2 12,70



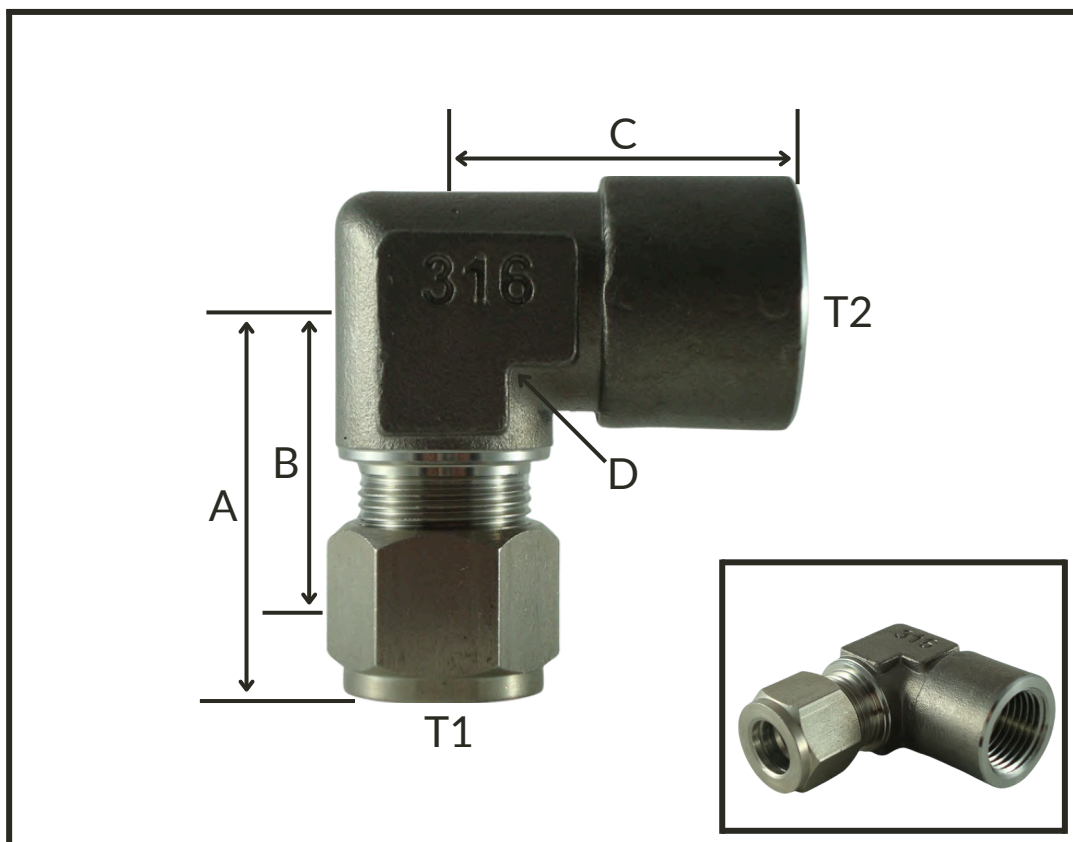
CÓDIGO	Ø TUBO (T1)	R. NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
C-TM-2-316	1/8 3,17	1/8	27	18	18,7	9/16
C-TM-2.4-316		1/4	27	18	23,2	9/16
C-TM-3.2-316	3/16 4,76	1/8	29	20	23	1/8
C-TM-4-316	1/4 6,35	1/4	29	20	23,2	9/16
C-TM-4.6-316		3/8	33	24	27,5	3/4
C-TM-5.4-316	5/16 7,93	1/4	33	23	23	3/4
C-TM-6-316	3/8 9,53	3/8	35	24	27,5	3/4
C-TM-6.8-316		1/2	35	24	32	3/4
C-TM-6.12-316		3/4	38	27	36	1
C-TM-8.6-316	1/2 12,70	3/8	37,5	24	27,5	3/4
C-TM-8-316		1/2	37,5	24	32	3/4
C-TM-8.12-316		3/4	40,5	27	36	1
C-TM-10.8-316	5/8 15,87	1/2	38	27	36	1
C-TM-12-316	3/4 19,05	3/4	38	27	36	1



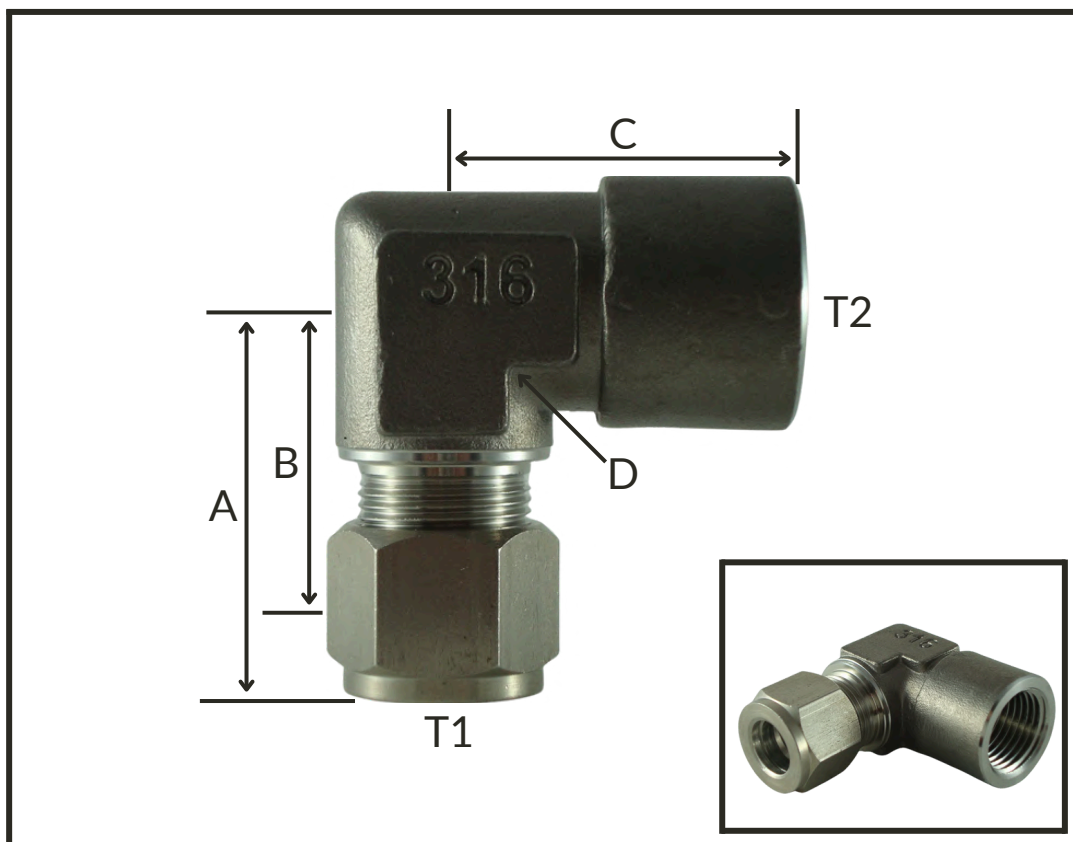
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	CHAVE (D)
	MM	POL	MM	MM	MM	POL
C-TM-M6.2-316	06	1/8	29	20	18,7	9/16
C-TM-M6.4-316		1/4	29	20	23,2	9/16
C-TM-M8.4-316	08	1/4	30	20	23,2	9/16
C-TM-M8.6-316		3/8	34	24	27,5	3/4
C-TM-M10.6-316	10	3/8	35	24	27,5	3/4
C-TM-M10.8-316		1/2	35	24	32	3/4
C-TM-M10.12-316		3/4	38	27	36	1
C-TM-M12.6-316	12	3/8	37,5	24	27,5	3/4
C-TM-M12.8-316		1/2	37,5	24	32	3/4
C-TM-M12.12-316		3/4	40,5	27	36	1
C-TM-M16.6-316	16	3/8	38	27	31	1
C-TM-M16.8-316		1/2	38	27	36	1
C-TM-M16.12-316		3/4	38	27	36	1
C-TM-M19.12-316	19	3/4	38	27	36	1



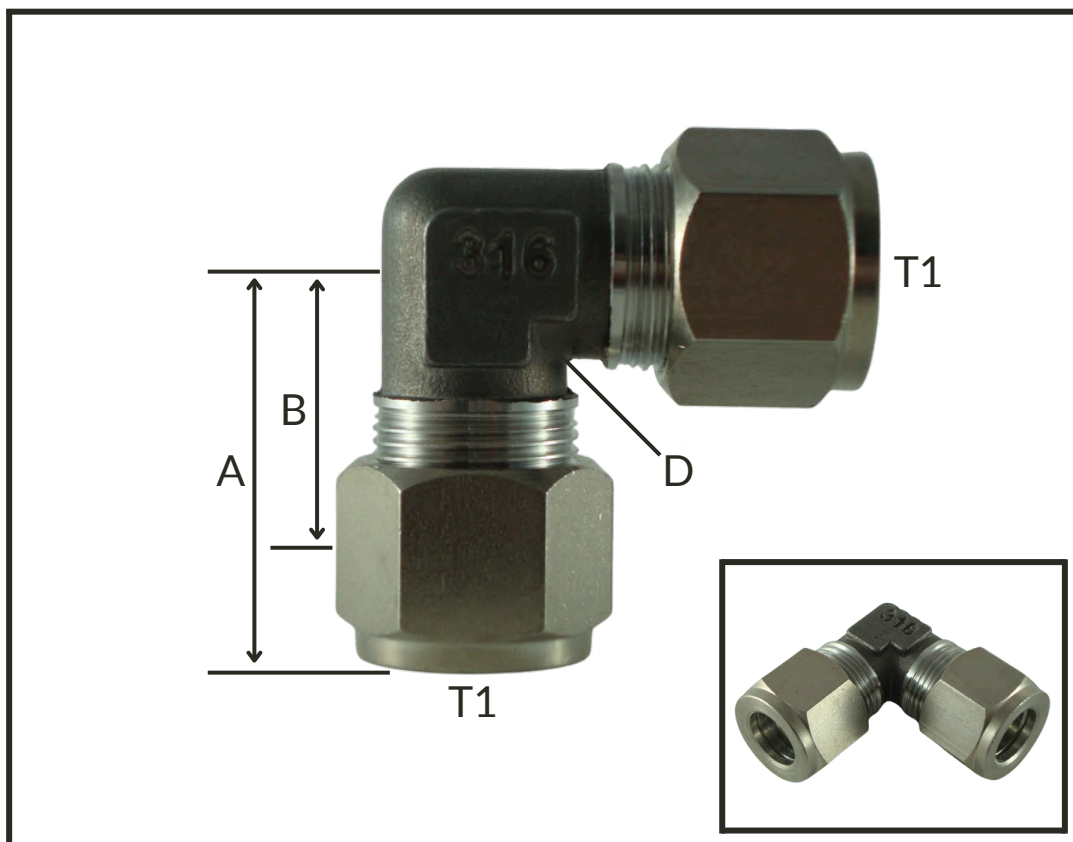
CÓDIGO	Ø TUBO (T1)	R. BSP (T2)	DIMENS. (A)	DIMENS. (B)	DIMENS. (C)	DIMENS. (R)	DIMENS. (D)
	POL MM	POL	MM	MM	MM	MM	POL
C-TM-2B-316	1/8 3,17	1/8	27	18	22	8	9/16
C-TM-2.4B-316		1/4	33	24	32	12	3/4
C-TM-3.2B-316	3/16 4,76	1/8	27	18	22	8	9/16
C-TM-4B-316	1/4 6,35	1/4	33	24	32	12	3/4
C-TM-4.6B-316		3/8	35	24	32	12	3/4
C-TM-5.4B-316	5/16 7,93	1/4	33	24	32	12	3/4
C-TM-6B-316	3/8 9,53	3/8	35	24	32	12	3/4
C-TM-6.8B-316		1/2	40,5	27	37	14	1
C-TM-6.12B-316		3/4	46	32	44	16	1.3/8
C-TM-8.6B-316	1/2 12,70	3/8	35	24	32	12	3/4
C-TM-8B-316		1/2	40,5	27	37	14	1
C-TM-8.12B-316		3/4	46	32	44	16	1.3/8
C-TM-10.8B-316	5/8 15,87	1/2	40,5	27	37	14	1
C-TM-12B-316	3/4 19,05	3/4	46	32	44	16	1.3/8



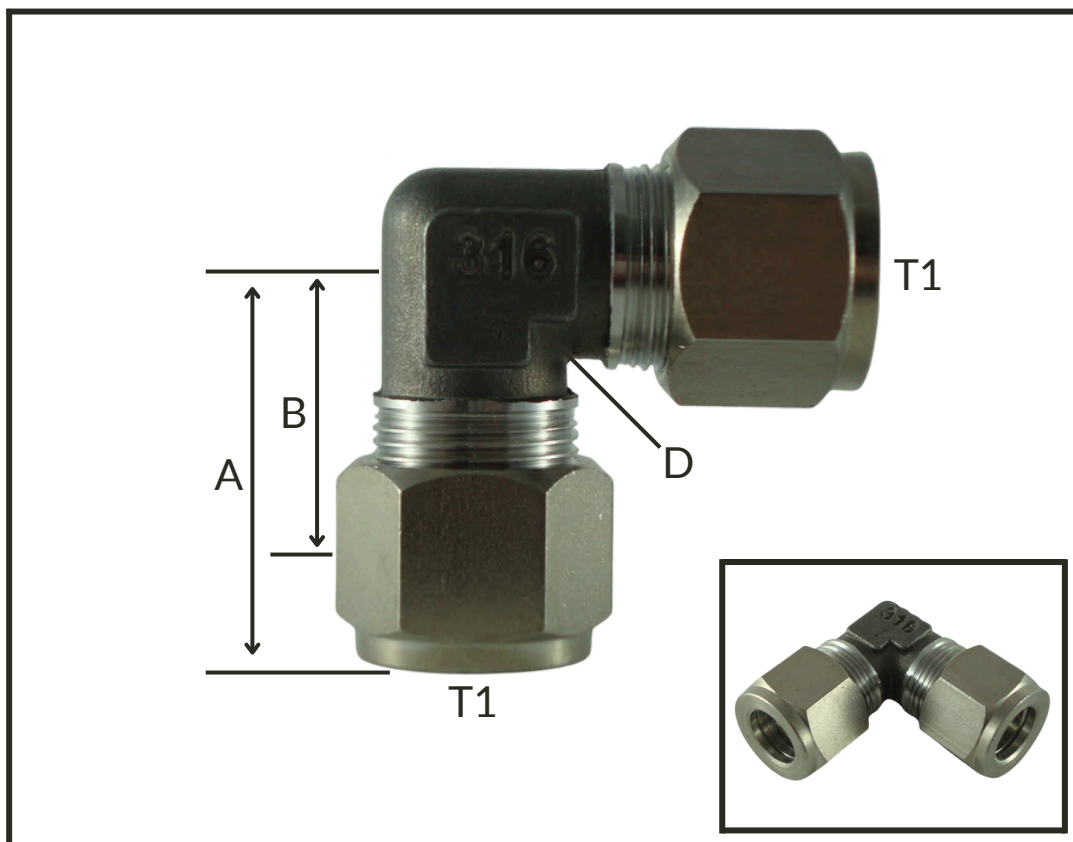
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
C-TF-2-316	1/8 3,17	1/8	27	18	23	9/16
C-TF-2.4-316		1/4	32	23	23	3/4
C-TF-3.2-316	3/16 4,76	1/8	29	20	23	9/16
C-TF-4-316	1/4 6,35	1/4	32	23	23	3/4
C-TF-4.6-316		3/8	33	24	32	3/4
C-TF-5.4-316	5/16 7,93	1/4	33	23	23	3/4
C-TF-6-316	3/8 9,53	3/8	35	24	32	3/4
C-TF-6.8-316		1/2	38	27	37	1
C-TF-8.6-316	1/2 12,70	3/8	37,5	24	32	3/4
C-TF-8-316		1/2	40,5	27	37	1
C-TF-10.6-316	5/8 15,87	3/8	38	27	37	1
C-TF-10.8-316		1/2	38	27	37	1
C-TF-12.8-316	3/4 19,05	1/2	38	27	37	1
C-TF-12-316		3/4	45	31	45	1.3/8



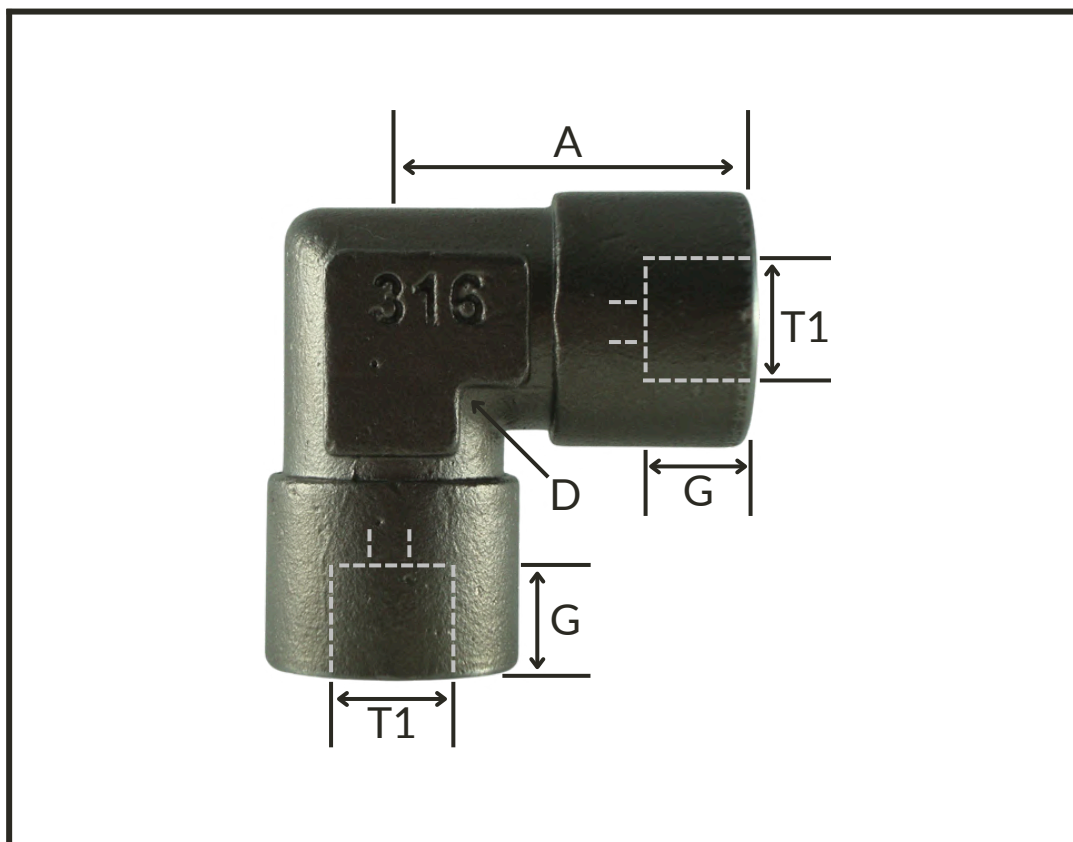
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
C-TF-2B-316	1/8 3,17	1/8	27	18	23	9/16
C-TF-2.4B-316		1/4	32	23	23	3/4
C-TF-3.2B-316	3/16 4,76	1/8	29	20	23	9/16
C-TF-4B-316	1/4 6,35	1/4	32	23	23	3/4
C-TF-4.6B-316		3/8	33	24	32	3/4
C-TF-5.4B-316	5/16 7,93	1/4	33	23	23	3/4
C-TF-6B-316	3/8 9,53	3/8	35	24	32	3/4
C-TF-6.8B-316		1/2	38	27	37	1
C-TF-8.6B-316	1/2 12,70	3/8	37,5	24	32	3/4
C-TF-8B-316		1/2	40,5	27	37	1
C-TF-10.6B-316	5/8 15,87	3/8	38	27	37	1
C-TF-10.8B-316		1/2	38	27	37	1
C-TF-12.8B-316	3/4 19,05	1/2	38	27	37	1
C-TF-12B-316		3/4	45	31	45	1.3/8



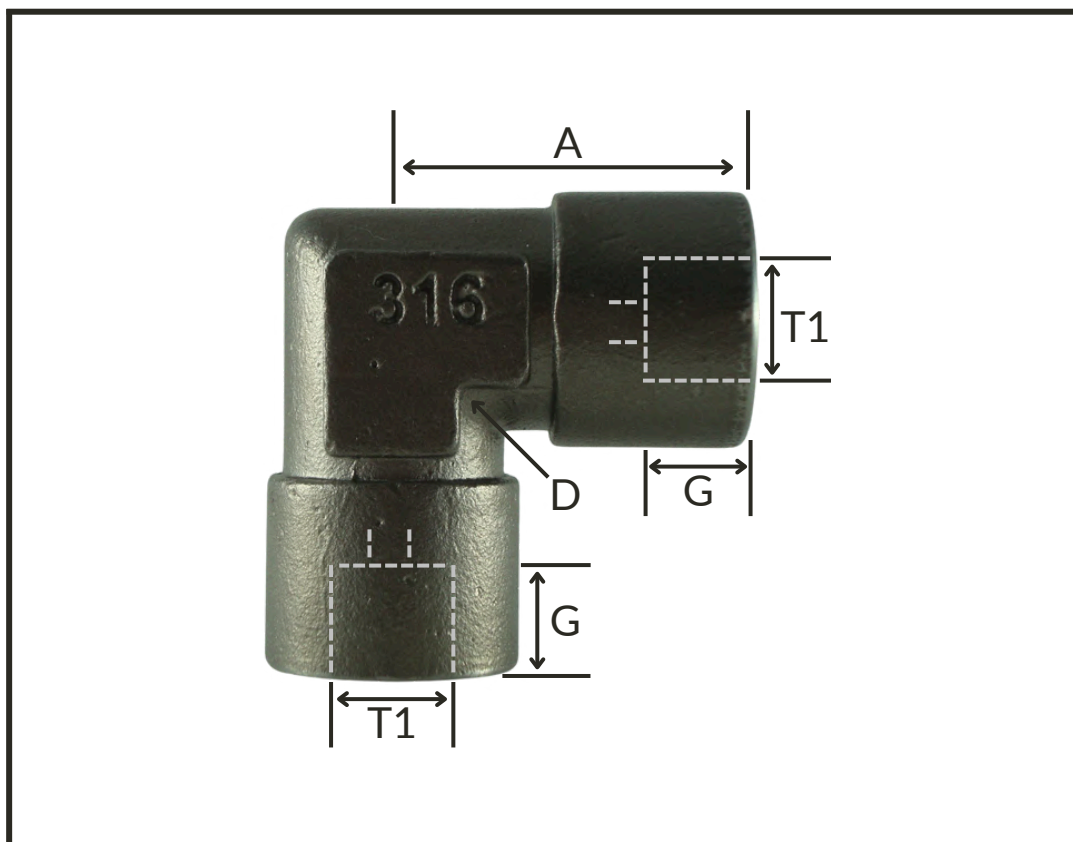
CÓDIGO	Ø TUBO (T1)	DIMENS. (A)	DIMENS. (B)	DIMENS. (C)
	POL MM	MM	MM	POL
C-U-2-316	1/8 3,17	27	18	9/16
C-U-3-316	3/16 4,76	29	20	9/16
C-U-4-316	1/4 6,35	29	20	9/16
C-U-5-316	5/16 7,93	30	20	9/16
C-U-6-316	3/8 9,53	31	20	9/16
C-U-8-316	1/2 12,70	36,5	23	3/4
C-U-10-316	5/8 15,87	41	27	3/4
C-U-12-316	3/4 19,05	41	27	1



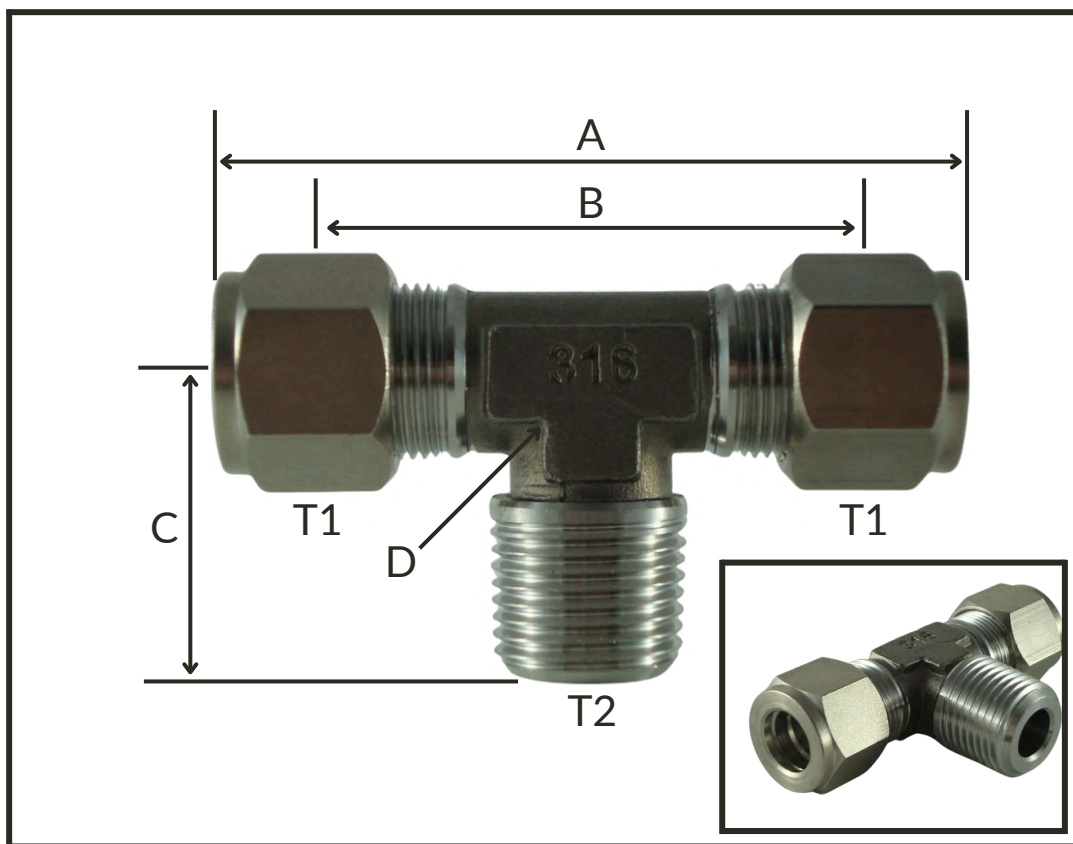
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	MM	MM	MM	POL
C-U-M6-316	06	29	20	9/16
C-U-M8-316	08	30	20	9/16
C-U-M10-316	10	31	20	9/16
C-U-M12-316	12	36	23	3/4
C-U-M16-316	16	41	27	3/4
C-U-M19-316	19	41	27	1



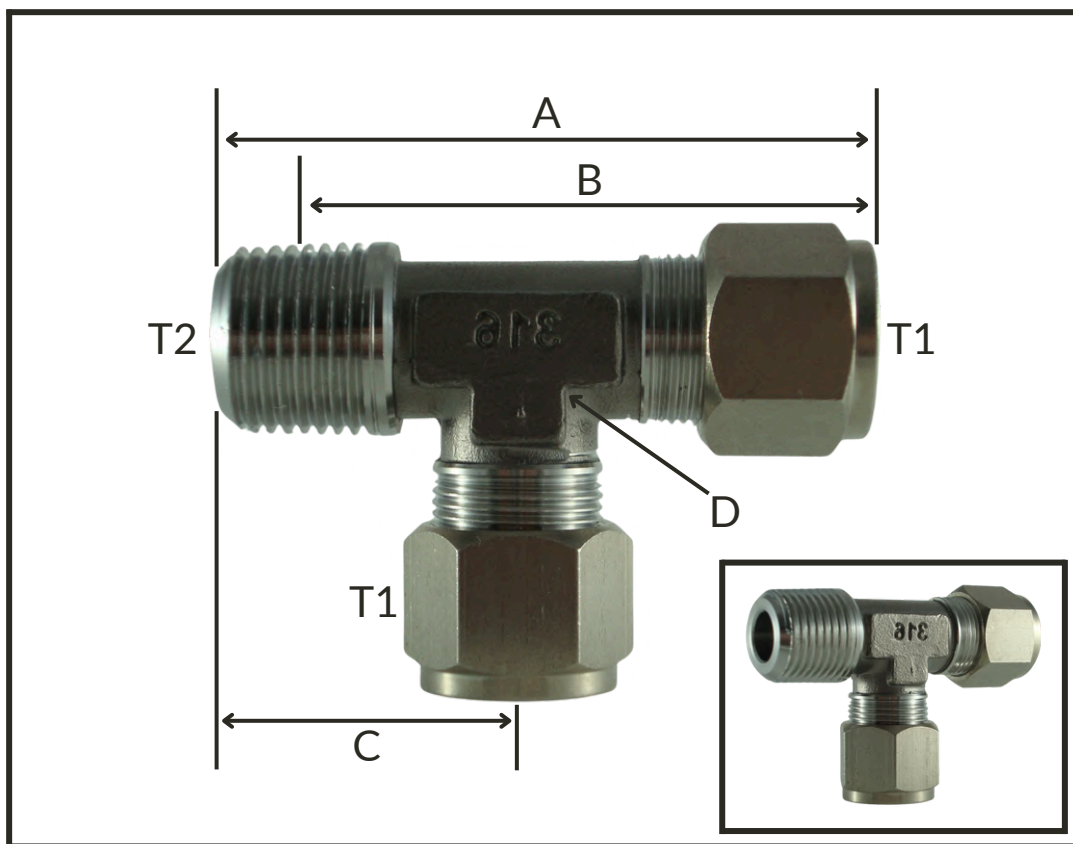
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	CHAVE (D)	DIMENSÃO (G)
	POL MM	MM	POL	POL
C-SE-4-316	1/4 6,35	22	9/16	10
C-SE-6-316	3/8 9,52	22	9/16	10
C-SE-8-316	1/2 12,7	22	9/16	10
C-SE-12-316	3/4 19,05	36,5	1	10



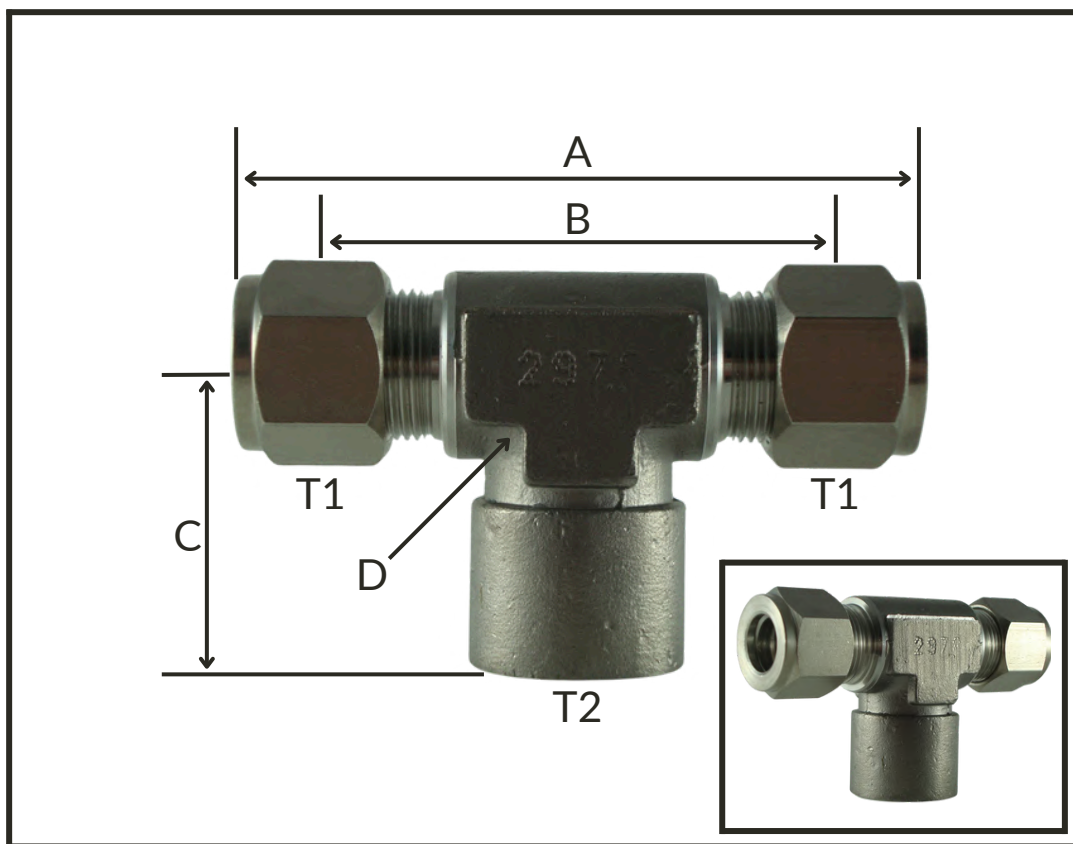
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	CHAVE (D)	DIMENSÃO (G)
	POL SCH	MM	POL	POL
C-SE-2S-316	1/8 10,24	22	9/16	10
C-SE-4S-316	1/4 13,72	22	3/4	10
C-SE-6S-316	3/8 17,15	32	3/4	10
C-SE-8S-316	1/2 21,34	36,5	1	10
C-SE-12S-316	3/4 26,67	45	1.3/8	10



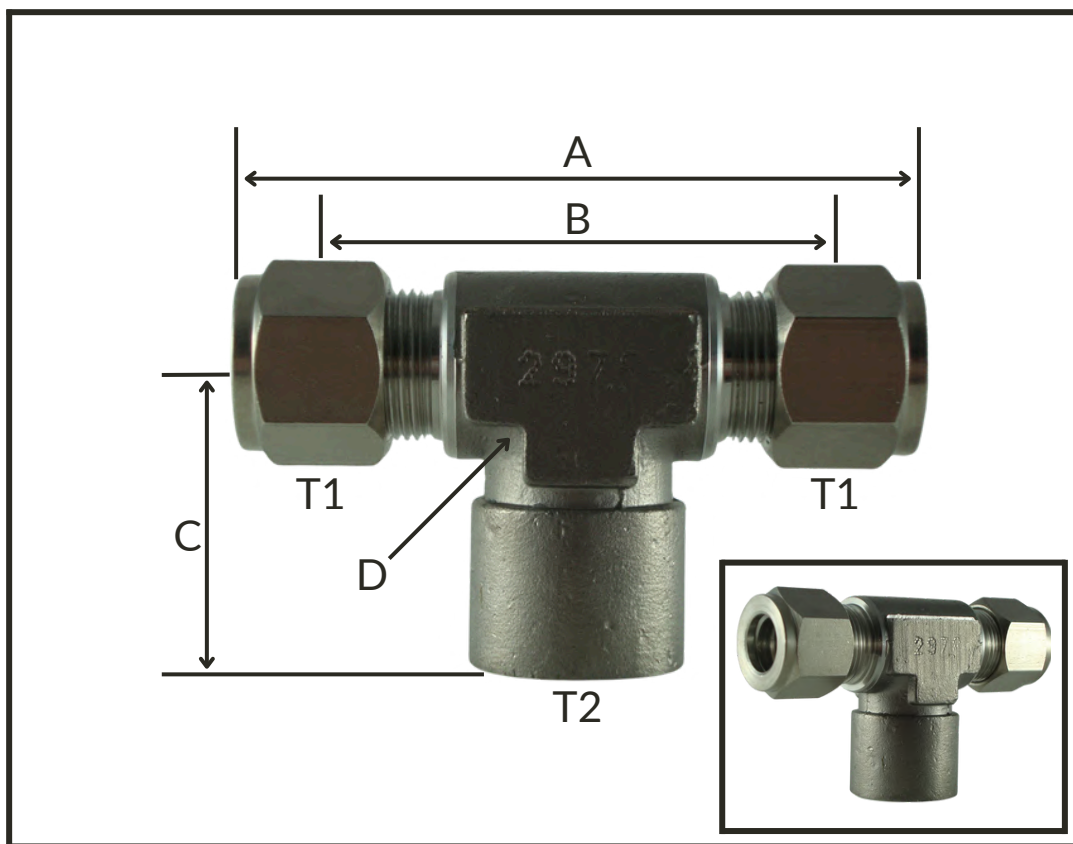
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TMT-2-316	1/8 3,17	1/8	60	42	18,7	9/16
T-TMT-2.4-316		1/4	60	42	23,2	9/16
T-TMT-3.2-316	3/16 4,76	1/8	60	42	18,7	9/16
T-TMT-4-316	1/4 6,35	1/4	60	42	23,2	9/16
T-TMT-4.6-316		3/8	68	50	27,5	3/4
T-TMT-5.4-316	5/16 7,93	1/4	62	42	23,2	9/16
T-TMT-6-316	3/8 9,53	3/8	72	50	27,5	3/4
T-TMT-6.8-316		1/2	72	50	32	3/4
T-TMT-6.12-316		3/4	79	57	36	1
T-TMT-8.6-316	1/2 12,70	3/8	76	50	27,5	3/4
T-TMT-8-316		1/2	76	50	32	3/4
T-TMT-8.12-316		3/4	83	57	36	1
T-TMT-10.8-316	1/2	1/2	85	57	36	1
T-TMT-12-316	3/4 19,05	3/4	85	57	36	1



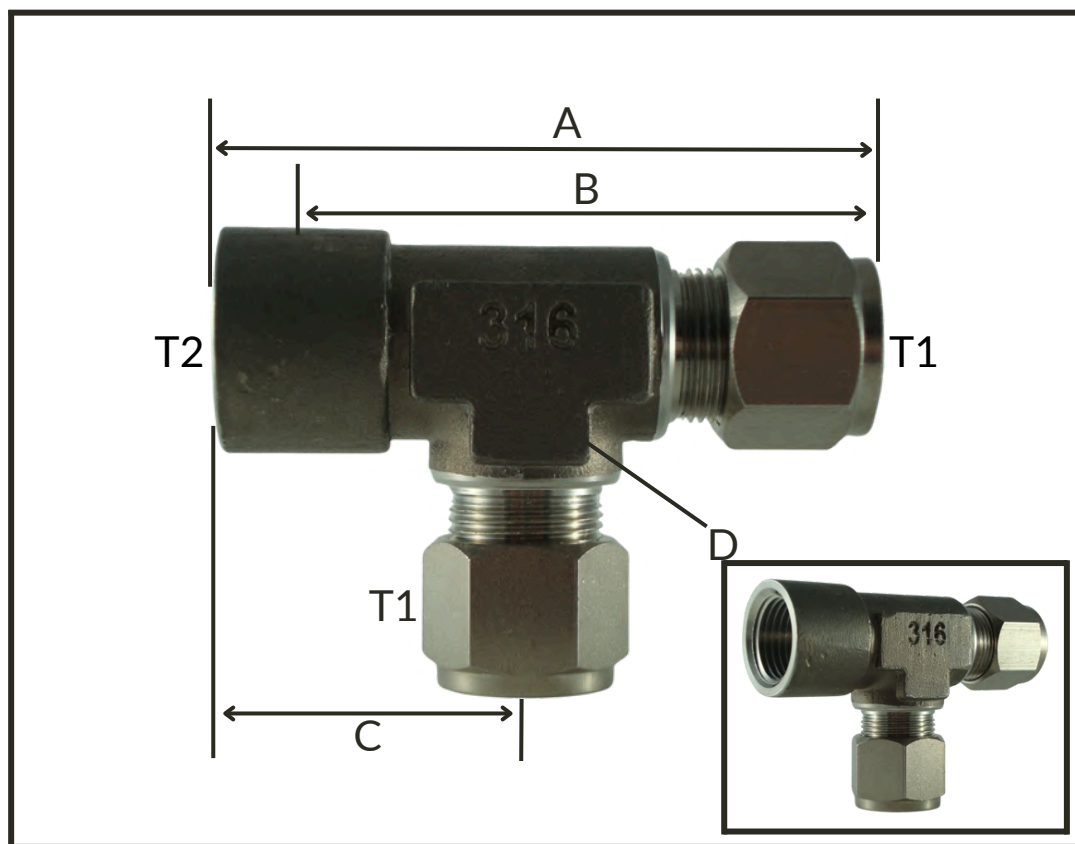
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TTM-2-316	1/8 3,17	1/8	46	37	18,7	9/16
T-TTM-2.4-316		1/4	52	43	23,2	9/16
T-TTM-3.2-316	3/16 4,76	1/8	48	39	18,7	9/16
T-TTM-4-316	1/4 6,35	1/4	53	44	23,2	9/16
T-TTM-4.6-316		3/8	62	53	27,5	3/4
T-TTM-5.4-316	5/16 7,93	1/4	54	44	23,2	9/16
T-TTM-6-316	3/8 9,53	3/8	64	53	27,5	3/4
T-TTM-6.8-316		1/2	68	57	32	3/4
T-TTM-6.12-316		3/4	75	64	36	1
T-TTM-8.6-316	1/2 12,70	3/8	67	53	27,5	3/4
T-TTM-8-316		1/2	71	57	32	3/4
T-TTM-8.12-316		3/4	78	64	36	1
T-TTM-10.8-316	1/2	1/2	74	60	31	1
T-TTM-12-316	3/4 19,05	3/4	78	64	36	1



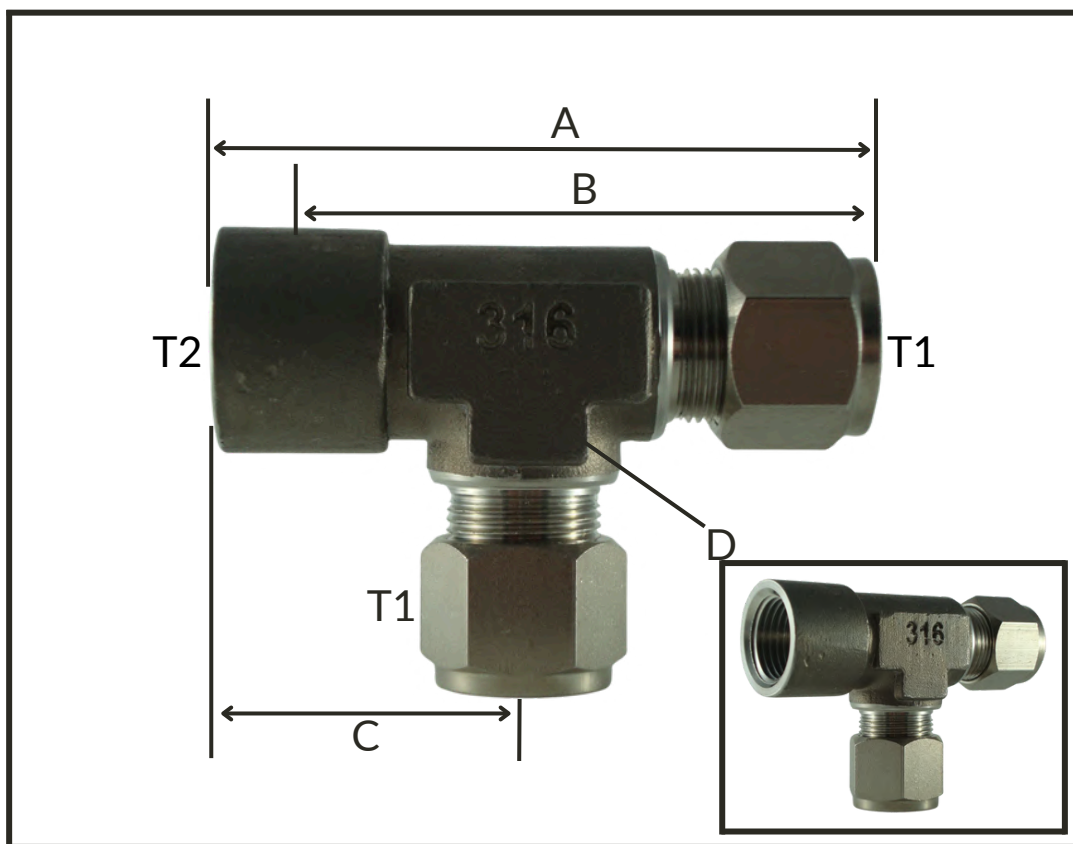
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TFT-2-316	1/8 3,17	1/8	60	42	23	9/16
T-TFT-2.4-316		1/4	64	46	23	3/4
T-TFT-3.2-316	3/16 4,76	1/8	60	42	23	9/16
T-TFT-4-316	1/4 6,35	1/4	64	46	23	3/4
T-TFT-4.6-316		3/8	68	50	32	3/4
T-TFT-5.4-316	5/16 7,93	1/4	66	46	23	3/4
T-TFT-6-316	3/8 9,53	3/8	72	50	32	3/4
T-TFT-6.8-316		1/2	79	57	37	1
T-TFT-8.4-316	1/2 12,70	1/4	72	46	23	9/16
T-TFT-8.6-316		3/8	76	50	32	3/4
T-TFT-8-316		1/2	83	57	37	1
T-TFT-10.6-316	5/8	3/8	85	57	37	1
T-TFT-10.8-316		1/2	85	57	37	1
T-TFT-12-316	3/4 19,05	3/4	93	65	45	1.3/8



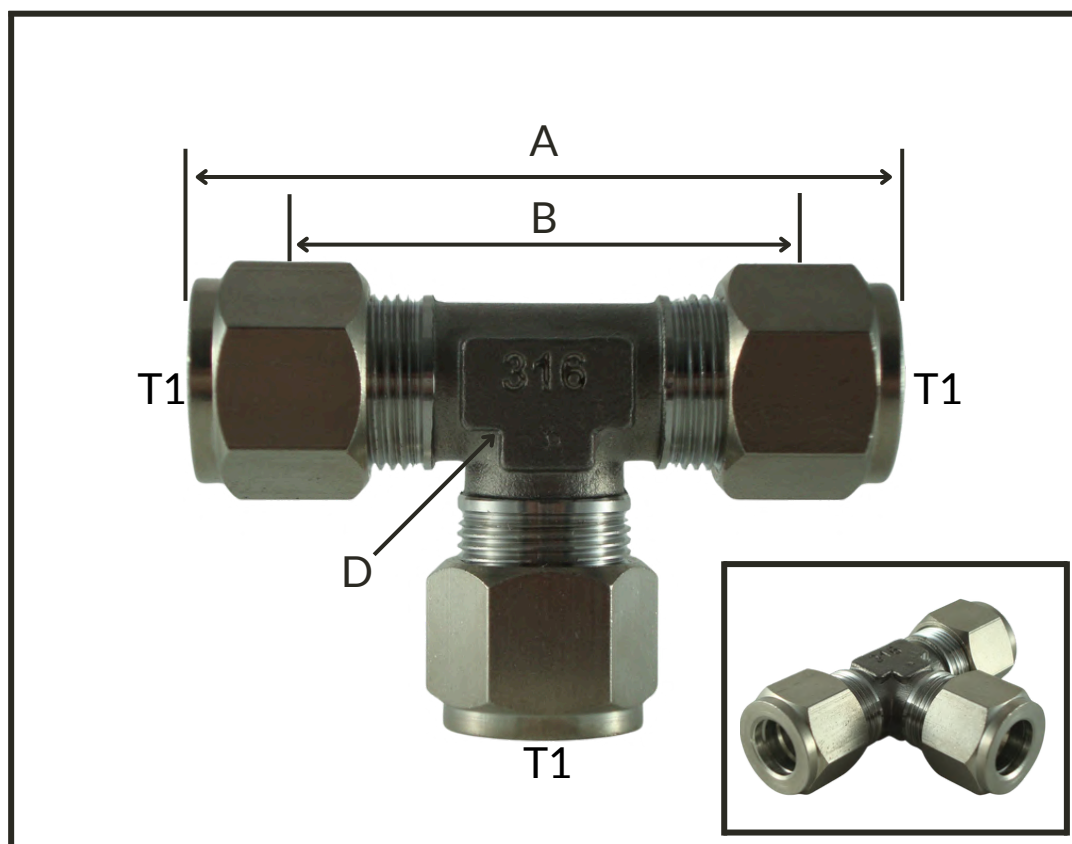
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TFT-2B-316	1/8 3,17	1/8	60	42	23	9/16
T-TFT-2.4B-316		1/4	64	46	23	3/4
T-TFT-3.2B-316	3/16 4,76	1/8	60	42	23	9/16
T-TFT-4B-316	1/4 6,35	1/4	64	46	23	3/4
T-TFT-4.6B-316		3/8	68	50	32	3/4
T-TFT-5.4B-316	5/16 7,93	1/4	66	46	23	3/4
T-TFT-6B-316	3/8 9,53	3/8	72	50	32	3/4
T-TFT-6.8B-316		1/2	79	57	37	1
T-TFT-8.4B-316	1/2 12,70	1/4	72	46	23	9/16
T-TFT-8.6B-316		3/8	76	50	32	3/4
T-TFT-8B-316		1/2	83	57	37	1
T-TFT-10.6B-316	5/8	3/8	85	57	37	1
T-TFT-10.8B-316		1/2	85	57	37	1
T-TFT-12B-316	3/4 19,05	3/4	93	65	45	1.3/8



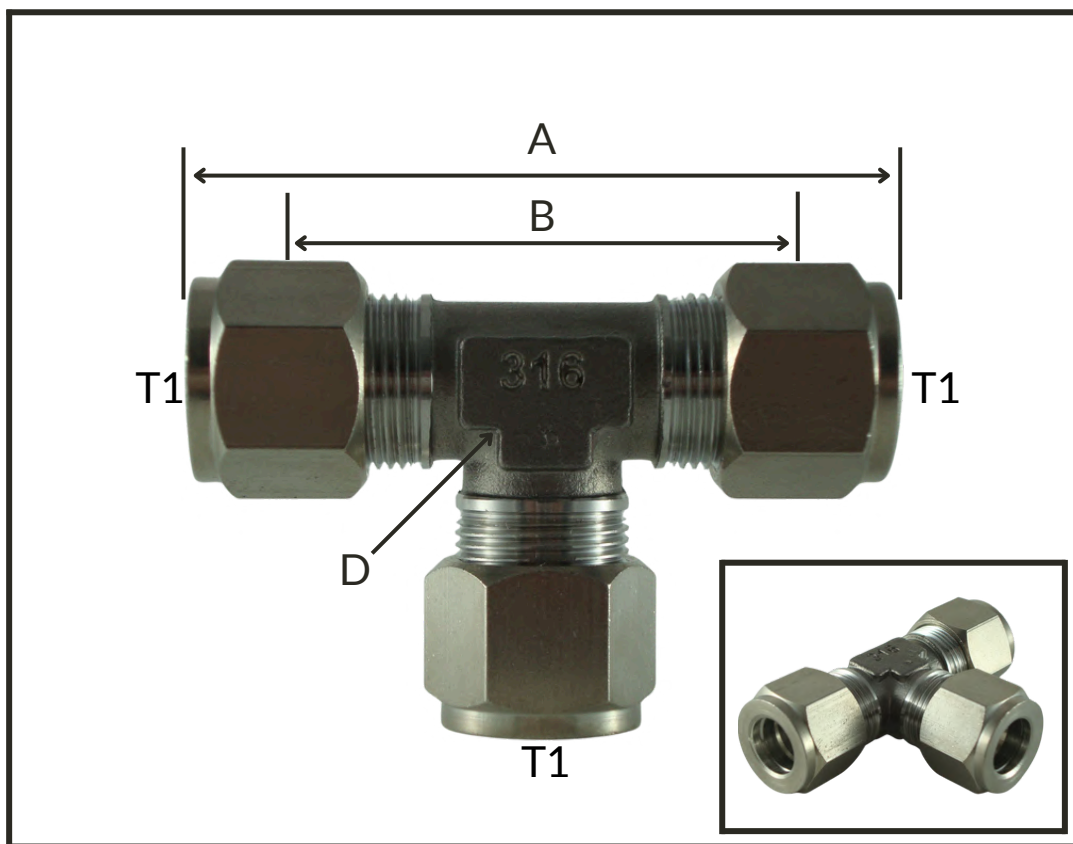
CÓDIGO	Ø TUBO (T1)	ROSCA NPT (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TTF-2-316	1/8 3,17	1/8	50	41	23	9/16
T-TTF-2.4-316		1/4	54	45	23	3/4
T-TTF-3.2-316	3/16 4,76	1/8	52	43	23	9/16
T-TTF-4-316	1/4 6,35	3/8	66	57	32	3/4
T-TTF-4.6-316		1/2	74	65	37	1
T-TTF-5.4-316	5/16 7,93	1/4	57	47	23	3/4
T-TTF-6-316	3/8 9,53	3/8	68	57	32	3/4
T-TTF-6.8-316		1/2	76	65	37	1
T-TFT-8.4-316	1/2 12,70	1/4	60	47	23	9/16
T-TFT-8.6-316		3/8	70	57	32	3/4
T-TFT-8-316		1/2	78	65	37	1
T-TFT-10.6-316	5/8	3/8	38	65	37	1
T-TFT-10.8-316		1/2	38	65	37	1
T-TFT-12-316	3/4 19,05	3/4	92	78	45	1.3/8



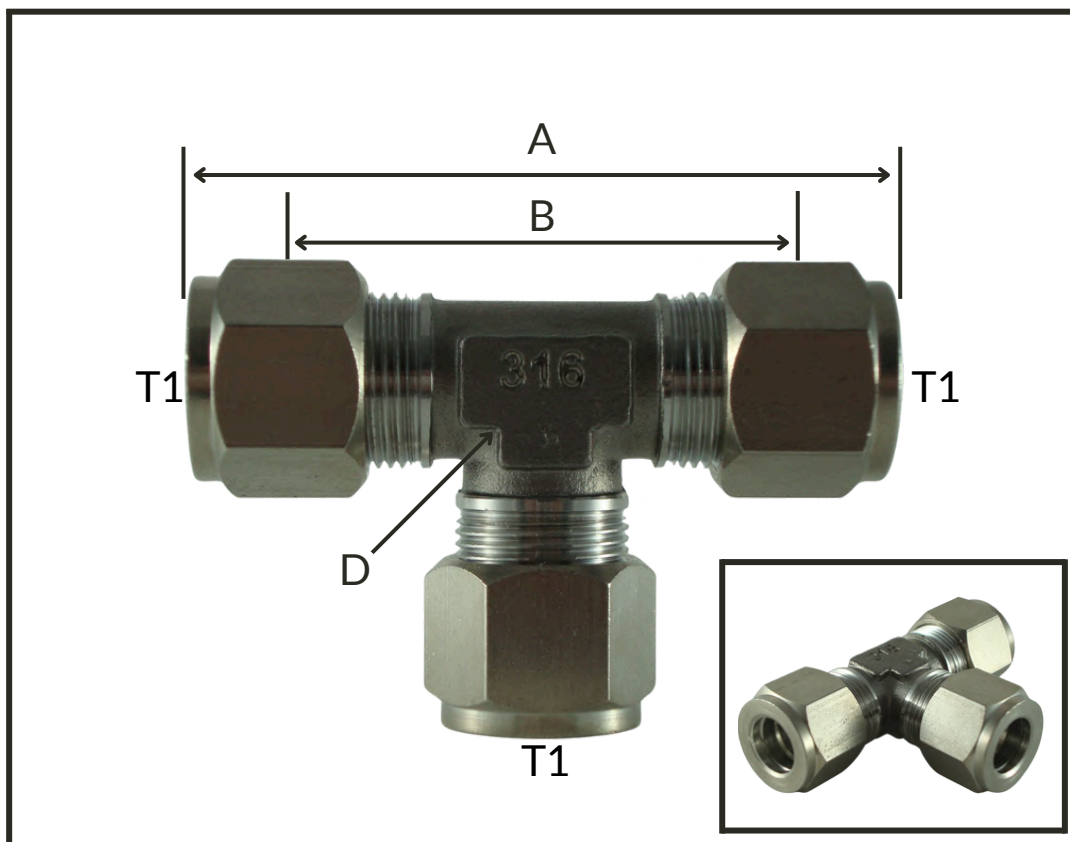
CÓDIGO	Ø TUBO (T1)	ROSCA BSP (T2)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)	DIMENSÃO (D)
	POL MM	POL	MM	MM	MM	POL
T-TTF-2B-316	1/8 3,17	1/8	50	41	23	9/16
T-TTF-2.4B-316		1/4	54	45	23	3/4
T-TTF-3.2B-316	3/16 4,76	1/8	52	43	23	9/16
T-TTF-4B-316	1/4 6,35	3/8	66	57	32	3/4
T-TTF-4.6B-316		1/2	74	65	37	1
T-TTF-5.4B-316	5/16 7,93	1/4	57	47	23	3/4
T-TTF-6B-316	3/8 9,53	3/8	68	57	32	3/4
T-TTF-6.8B-316		1/2	76	65	37	1
T-TFT-8.4B-316	1/2 12,70	1/4	60	47	23	9/16
T-TFT-8.6B-316		3/8	70	57	32	3/4
T-TFT-8B-316		1/2	78	65	37	1
T-TFT-10.6B-316	5/8	3/8	38	65	37	1
T-TFT-10.8B-316		1/2	38	65	37	1
T-TFT-12B-316	3/4 19,05	3/4	92	78	45	1.3/8



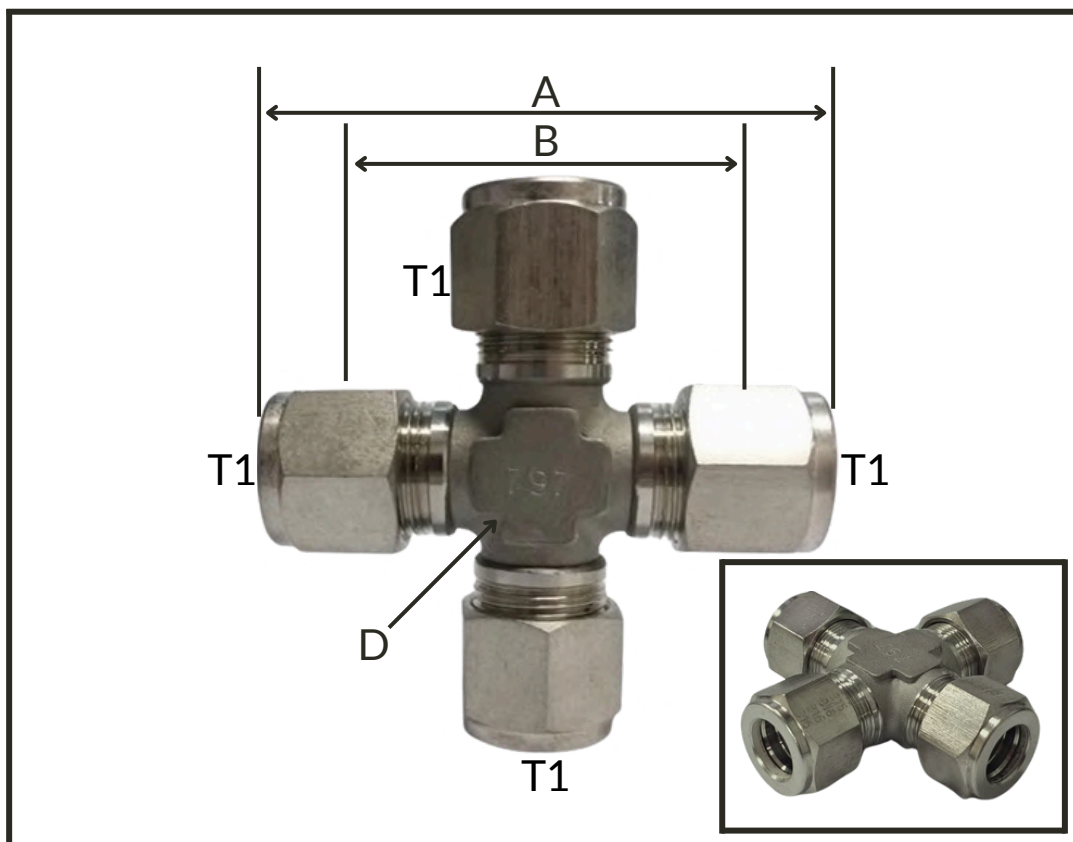
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)
	POL MM	MM	MM	POL
T-U-2-316	1/8 3,17	57,4	39,4	9/16
T-U-3-316	3/16 4,76	57,4	39,4	9/16
T-U-4-316	1/4 6,35	57,4	39,4	9/16
T-U-5-316	5/16 7,93	59,4	39,4	9/16
T-U-6-316	3/8 9,53	61,4	39,4	9/16
T-U-8-316	1/2 12,70	72,4	45,4	3/4
T-U-10-316	5/8 15,87	92	64	3/4
T-U-12-316	3/4 19,05	83	55	1



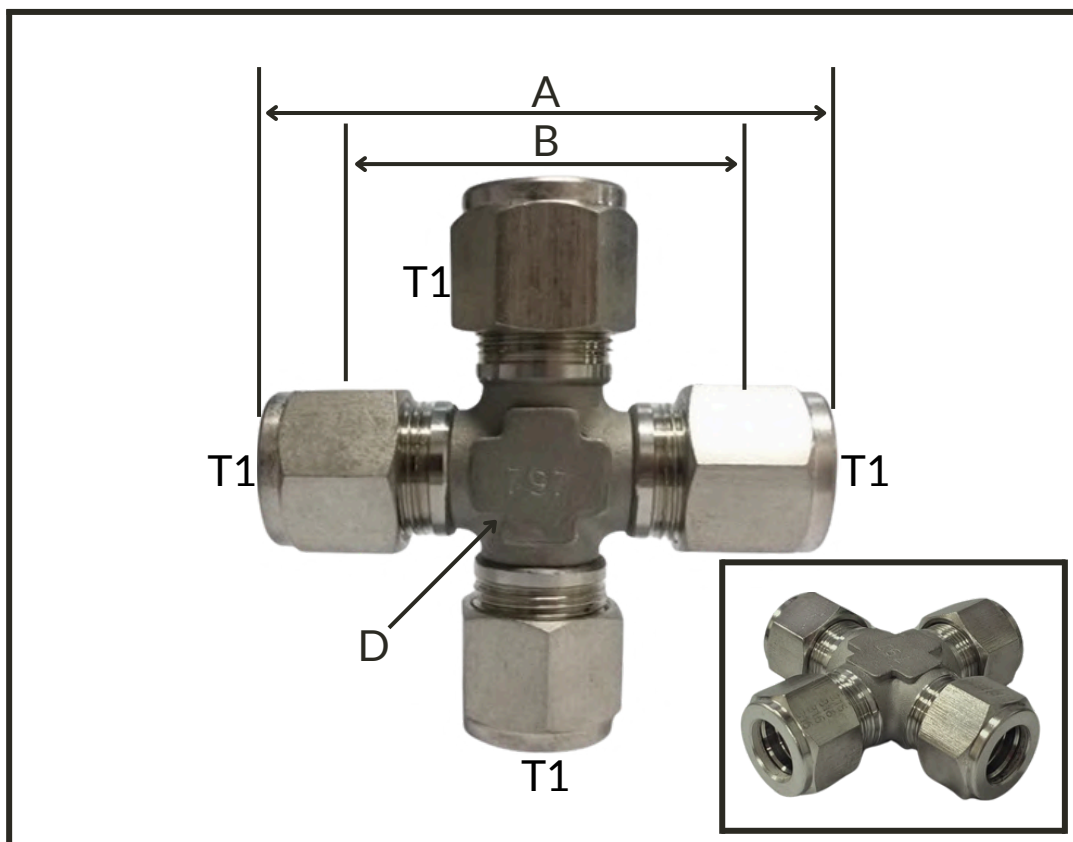
CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)
	MM	MM	MM	POL
T-U-M6-316	06	57,4	39,4	9/16
T-U-M8-316	08	59,4	39,4	9/16
T-U-M10-316	10	61,4	39,4	9/16
T-U-M12-316	12	72,4	45,4	3/4
T-U-M16-316	16	92	64	3/4
T-U-M19-316	19	83	55	1



CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (C)
	POL MM	MM	MM	POL
T-U-2-316	1/8 3,17	57,4	39,4	9/16
T-U-3-316	3/16 4,76	57,4	39,4	9/16
T-U-4-316	1/4 6,35	57,4	39,4	9/16
T-U-5-316	5/16 7,93	59,4	39,4	9/16
T-U-6-316	3/8 9,53	61,4	39,4	9/16
T-U-8-316	1/2 12,70	72,4	45,4	3/4
T-U-10-316	5/8 15,87	92	64	3/4
T-U-12-316	3/4 19,05	83	55	1



CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	POL MM	MM	MM	POL
CZ-U-2-316	1/8 3,17	61,4	43,4	3/4
CZ-U-3-316	3/16 4,76	63,4	45,4	3/4
CZ-U-4-316	1/4 6,35	63,4	45,4	3/4
CZ-U-5-316	5/16 7,93	65,4	45,4	3/4
CZ-U-6-316	3/8 9,53	67,4	45,4	3/4
CZ-U-8-316	1/2 12,7	72,4	45,4	3/4
CZ-U-10-316	5/8 15,87	92	64	3/4
CZ-U-12-316	3/4 19,05	83	55	1



CÓDIGO	Ø TUBO (T1)	DIMENSÃO (A)	DIMENSÃO (B)	DIMENSÃO (D)
	MM	MM	MM	POL
CZ-U-M6-316	06	63,4	45,4	3/4
CZ-U-M8-316	08	65,4	45,4	3/4
CZ-U-M10-316	10	67,4	45,4	3/4
CZ-U-M12-316	12	72,4	45,4	3/4
CZ-U-M16-316	16	92	64	3/4
CZ-U-M19-316	19	83	55	1

01 Preparação e Encaixe

Desaperte cuidadosamente a porca sem desmontar a conexão por completo.
Encaixe o tubo no furo da porca até encostar no fundo da conexão.

02 Alinhamento e Fixação

Certifique-se de que o tubo esteja no esquadro e sem rebarbas visíveis.
Aperte o tubo com firmeza até que ele esteja levemente fixado e sem folga.

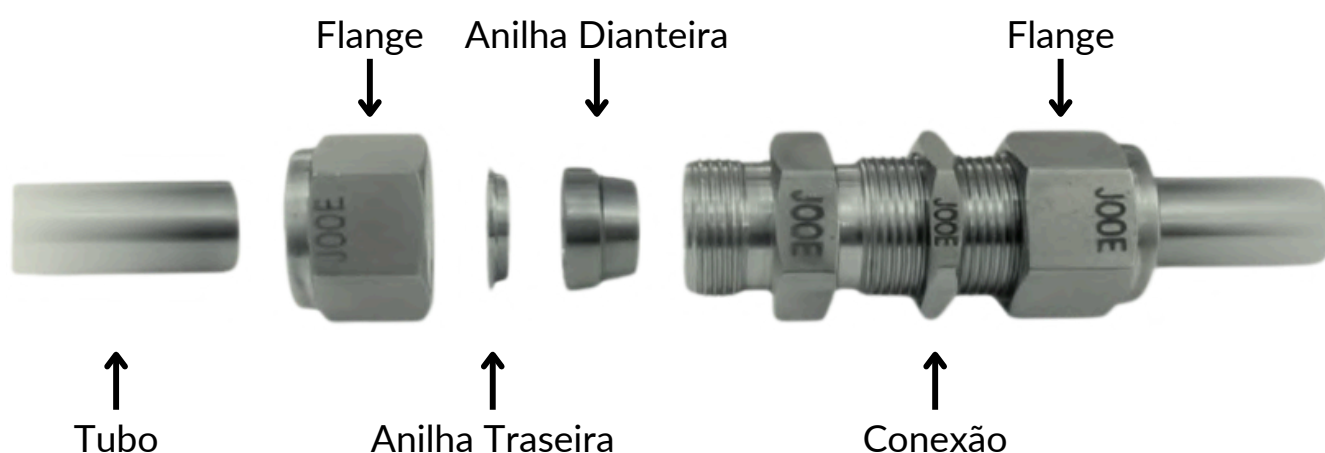
03 Torque e Ajuste

Com a chave adequada, gire firmemente a porca no sentido horário.
Continue girando a porca com até completar cerca de 1 e 1/4 de volta.

02 Desmontagem e Remoção

Gire a porca no sentido anti-horário com até sentir uma leve resistência.
Isso fará com que a conexão esteja completamente solta para remoção.

03 Exemplo de Conexão





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Válvulas e Conexões