

SISTEM DO BRASIL Ltda.

ISO 9001

Componentes para Automação Pneumática

Linha SM





CONEXÕES
FITTINGS



VÁLVULAS DE FECHAMENTO
TAPS



REGULADORES DE VELOCIDADE
FLOW REGULATORS

2008: nasce na província de Ningbo (RPC) a **SISTEM CHINA CO. LTD**, uma sociedade resultado da joint venture entre a SISTEM PNEUMATICA, cuja qualidade é reconhecida há muito tempo no mercado europeu, e um parceiro chinês de produção, já presente no mercado asiático com clientela no mundo inteiro e portanto colaborador estratégico.
A **SISTEM CHINA CO. LTD** se estabelece no mercado com o objetivo de produzir uma linha de produtos para automação pneumática, para dar uma resposta, cada vez mais rápida, às demandas de seus clientes, em relação as suas necessidades e às exigências de mercado.
A contribuição da SISTEM PNEUMATICA na parceria é fundada na sua experiência, de mais de trinta anos, em realizar e projetar componentes para automação pneumática. Mediante a revisão técnica de detalhes existentes e projetando novas componentes, o padrão de qualidade da produção da **SISTEM CHINA CO. LTD** equipara-se aos parâmetros da SISTEM PNEUMATICA.

A proximidade com SHANGAI situa a SISTEM CHINA CO. LTD no centro daquele que é considerado, cada vez mais, o centro produtivo e econômico do cenário mundial.

CHO resultado dessa união técnico-produtiva é a SERIE K, uma linha completa de conexões, reguladoras e registros nos quais, graças à própria experiência, SISTEM PNEUMATICA quis inserir sua rosca cilíndrica com O Ring do tipo EASY, para garantir a máxima vedação em qualquer aplicação.





Linha SM

ISO9001:2008

DNV

ISO 9001


UNITED INTELLIGENCE

Beijing United Intelligence Certification Co., Ltd.

QUALITY MANAGEMENT SYSTEM
CERTIFICATION CERTIFICATE

Ningbo Sistem China Co., Ltd.

Registered Address: No.45, Xinhua Road, Xiaolin Town, Cixi, Ningbo City, Zhejiang Province Zip Code:315321

Business Location: No.358, Xiaolin Street, Xiaolin Town, Cixi, Ningbo City, Zhejiang Province Zip Code:315321

The Quality Management System Conforms to the Standard
ISO9001:2008

Certified Scope:
Production and service of pneumatic components.

Registration No.: UQ09035R0
Issuing Date: 21 Aug.2009
Expiration Date: 20 Aug.2012

Issued By:

UKAS

IAF

CONEXÕES INSTANTÂNEAS
PUSH-IN FITTINGS

série SM CONEXÃO

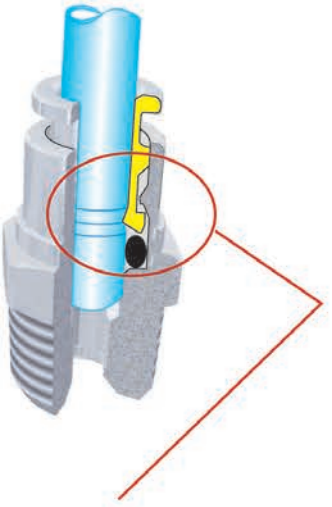
TUBO - Tube:
Ø4÷Ø14 - Ø5/32"÷Ø5/16"

TIPOS DE TUBO RECOMENDADOS
TYPE OF RECOMMENDED TUBE

SM

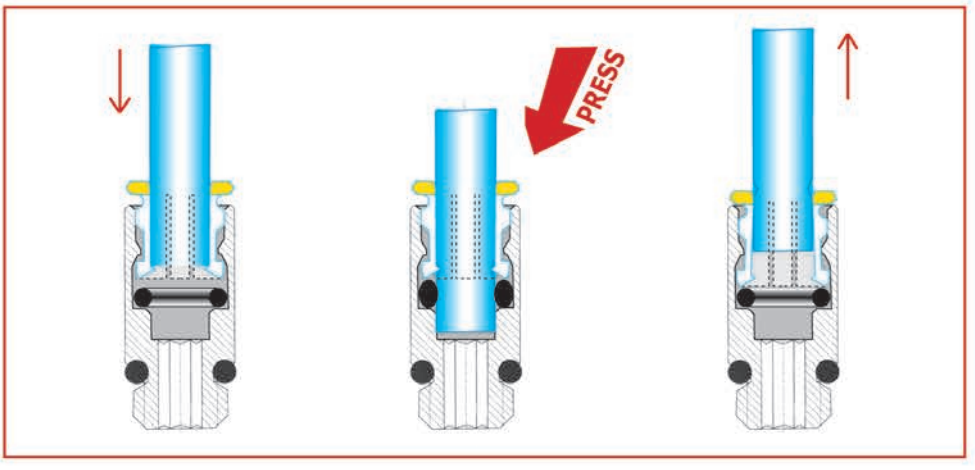
POLIURETANO
POLIAMIDA (RILSAN PA11/12)
POLIETILENO
POLIESTER
TEFLON
NYLON (PA6)





TIPO DE ROSCA - Thread - Filet - Gewinde: M5÷M12 - 1/8"÷1/2"
cónica com Teflon, cónica NPT, cilíndrico e métrico com o-ring, fêmea
tapered with Teflon, tapered NPT, parallel and metric with o-ring, female

Sistema de ACOPLAMENTO /DESACOPLAMENTO DO TUBO
type of TUBE COUPLING



O-RING/VEDAÇÕES
OIL-PROOF RUBBER

SEM SILICONE
SILICONE FREE

O-RING ESPECIAIS A PEDIDO
SPECIAL O-RINGS ON REQUEST

CARACTERÍSTICAS TÉCNICAS
LATÃO (EN12164-CW614N) NIQUELADO
ZAMA 15 (UNI 3717) NIQUELADA
O-RING EM BORRACHA ANTI-ÓLEO NBR
PRESSÃO MÁXIMA DE TRABALHO : 16 BAR (1,6 MPa)
TEMPERATURA DE TRABALHO: -10ºc(263ºK), +80ºC (353ºK)

TECHNICAL FEATURES
NICKEL-PLATED BRASS (EN 12164-CW614N)
NICKEL-PLATED ZAMA-15 (UNI 3717)
OIL-PROOF RUBBER PACKINGS NBR
MAX WORKING PRESSURE: 16 BAR (1,6 MPa)
WORKING TEMPERATURE: -10°C (263°K), +80°C (353°K)



[2110] - [Conexões Metálicas "SM"]

[121]

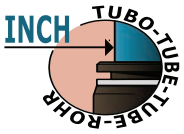




[Conex. Reta Fixa c/ Rosca BSPT - Teflon]

Cód.	Rosca	Tubo Ø
SM108040T	1/8	4
SM104040T	1/4	4
SM108050T	1/8	5
SM104050T	1/4	5
SM108060T	1/8	6
SM104060T	1/4	6
SM103060T	3/8	6
SM108080T	1/8	8
SM104080T	1/4	8
SM103080T	3/8	8
SM102080T	1/2	8
SM108100T	1/8	10
SM104100T	1/4	10
SM103100T	3/8	10
SM102100T	1/2	10
SM104120T	1/4	12
SM103120T	3/8	12
SM102120T	1/2	12
SM103140T	3/8	14
SM102140T	1/2	14
SM103160T	3/8	16
SM102160T	1/2	16

[122]

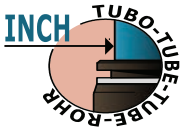




[Conex. Reta Fixa c/ Rosca BSPT - Teflon - Tubo INCH]

SM108310T	1/8	3,18(1/8")
SM104310T	1/4	3,18(1/8")
SM108390T	1/8	3,97 (5/32")
SM104390T	1/4	3,97 (5/32")
SM108470T	1/8	4,76 (3/16")
SM104470T	1/4	4,76 (3/16")
SM103470T	3/8	4,76 (3/16")
SM108630T	1/8	6,35(1/4")
SM104630T	1/4	6,35(1/4")
SM103630T	3/8	6,35(1/4")
SM108790T	1/8	7,93(5/16")
SM104790T	1/4	7,93(5/16")
SM103790T	3/8	7,93(5/16")
SM102790T	1/2	7,93(5/16")
SM108950T	1/8	9,52(3/8")
SM104950T	1/4	9,52(3/8")
SM103950T	3/8	9,52(3/8")
SM102950T	1/2	9,52(3/8")
SM104270T	1/4	12,7(1/2")
SM103270T	3/8	12,7(1/2")
SM102270T	1/2	12,7(1/2")

[123]





[Conex. Reta Fixa c/ Rosca NPT - Tubo INCH]

SM10U310	10-32UNF	3,18(1/8")
SM10K310	1/8	3,18(1/8")
SM10X310	1/4	3,18 (1/8")
SM10U390	10-32UNF	3,97 (5/32")
SM10K390	1/8	3,97 (5/32")
SM10X390	1/4	3,97 (5/32")
SM10U470	10-32UNF	4,76 (3/16")
SM10K470	1/8	4,76 (3/16")
SM10X470	1/4	4,76 (3/16")
SM10Y470	3/8	4,76 (3/16")
SM10U630	10-32UNF	6,35(1/4")
SM10K630	1/8	6,35(1/4")
SM10X630	1/4	6,35(1/4")
SM10Y630	3/8	6,35(1/4")
SM10K790	1/8	7,93(5/16")
SM10X790	1/4	7,93(5/16")
SM10Y790	3/8	7,93(5/16")
SM10Z790	1/2	7,93(5/16")
SM10K950	1/8	9,52(3/8")
SM10X950	1/4	9,52(3/8")
SM10Y950	3/8	9,52(3/8")
SM10Z950	1/2	9,52(3/8")
SM10X270	1/4	12,7(1/2")
SM10Y270	3/8	12,7(1/2")
SM10Z270	1/2	12,7(1/2")

[120]





[Conex. Reta c/ Rosca BSP + Oring]

SM100338	M3	3
SM105038	M5	3
SM108038	1/8	3
SM105048	M5	4
SM108048	1/8	4
SM104048	1/4	4
SM105058	M5	5
SM108058	1/8	5
SM104058	1/4	5
SM105068	M5	6
SM108068	1/8	6
SM104068	1/4	6
SM108088	1/8	8
SM104088	1/4	8
SM103088	3/8	8
SM102088	1/2	8
SM108108	1/8	10
SM104108	1/4	10
SM103108	3/8	10
SM102108	1/2	10
SM108128	1/8	12
SM104128	1/4	12
SM103128	3/8	12
SM102128	1/2	12
SM103148	3/8	14
SM102148	1/2	14
SM103168	3/8	16
SM102168	1/2	16

[124]

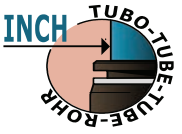




[Conex. Reta REDUZIDA c/ Rosca BSPT - Teflon]

Cód.	Rosca	Tubo Ø
SM10T8040T	1/8	4
SM10T4040T	1/4	4
SM10T8050T	1/8	5
SM10T4050T	1/4	5
SM10T8060T	1/8	6
SM10T4060T	1/4	6
SM10T8080T	1/8	8
SM10T4080T	1/4	8
SM10T3080T	3/8	8
SM10T2080T	1/2	8
SM10T8100T	1/8	10
SM10T4100T	1/4	10
SM10T3100T	3/8	10
SM10T2100T	1/2	10
SM10T4120T	1/4	12
SM10T3120T	3/8	12
SM10T2120T	1/2	12
SM10T3140T	3/8	14
SM10T2140T	1/2	14
SM10T3160T	3/8	16
SM10T2160T	1/2	16

[125]

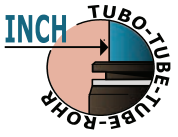




[Conex.Reta REDUZIDA c/Rosca BSPT-Teflon Tubo INCH]

SM10T8310T	1/8	3,18(1/8")
SM10T4310T	1/4	3,18 (1/8")
SM10T8390T	1/8	3,97 (5/32")
SM10T4390T	1/4	3,97 (5/32")
SM10T8470T	1/8	4,76 (3/16")
SM10T4470T	1/4	4,76 (3/16")
SM10T3470T	3/8	4,76 (3/16")
SM10T8630T	1/8	6,35(1/4")
SM10T4630T	1/4	6,35(1/4")
SM10T3630T	3/8	6,35(1/4")
SM10T8790T	1/8	7,93(5/16")
SM10T4790T	1/4	7,93(5/16")
SM10T3790T	3/8	7,93(5/16")
SM10T2790T	1/2	7,93(5/16")
SM10T8950T	1/8	9,52(3/8")
SM10T4950T	1/4	9,52(3/8")
SM10T3950T	3/8	9,52(3/8")
SM10T2950T	1/2	9,52(3/8")
SM10T4270T	1/4	12,7(1/2")
SM10T3270T	3/8	12,7(1/2")
SM10T2270T	1/2	12,7(1/2")

[126]





[Conex. Reta REDUZIDA c/ Rosca NPT - Tubo INCH]

SM10TU310	10-32UNF	3,18(1/8")
SM10TK310	1/8	3,18(1/8")
SM10TX310	1/4	3,18(1/8")
SM10TU390	10-32UNF	3,97 (5/32")
SM10TK390	1/8	3,97 (5/32")
SM10TX390	1/4	3,97 (5/32")
SM10TU470	10-32UNF	4,76 (3/16")
SM10TK470	1/8	4,76 (3/16")
SM10TX470	1/4	4,76 (3/16")
SM10TY470	3/8	4,76 (3/16")
SM10TU630	10-32UNF	6,35(1/4")
SM10TK630	1/8	6,35(1/4")
SM10TX630	1/4	6,35(1/4")
SM10TY630	3/8	6,35(1/4")
SM10TK790	1/8	7,93(5/16")
SM10TX790	1/4	7,93(5/16")
SM10TY790	3/8	7,93(5/16")
SM10TZ790	1/2	7,93(5/16")
SM10TK950	1/8	9,52(3/8")
SM10TX950	1/4	9,52(3/8")
SM10TY950	3/8	9,52(3/8")
SM10TZ950	1/2	9,52(3/8")
SM10TX270	1/4	12,7(1/2")
SM10TY270	3/8	12,7(1/2")
SM10TZ270	1/2	12,7(1/2")

[127]





[Conex. Reta REDUZIDA c/ Rosca BSP + Oring]

SM10T0338	M3	3
SM10T5038	M5	3
SM10T8038	1/8	3
SM10T5048	M5	4
SM10T8048	1/8	4
SM10T4048	1/4	4
SM10T5058	M5	5
SM10T8058	1/8	5
SM10T4058	1/4	5
SM10T5068	M5	6
SM10T8068	1/8	6
SM10T4068	1/4	6
SM10T8088	1/8	8
SM10T4088	1/4	8
SM10T3088	3/8	8
SM10T2088	1/2	8
SM10T8108	1/8	10
SM10T4108	1/4	10
SM10T3108	3/8	10
SM10T2108	1/2	10
SM10T8128	1/8	12
SM10T4128	1/4	12
SM10T3128	3/8	12
SM10T2128	1/2	12
SM10T3148	3/8	14
SM10T2148	1/2	14
SM10T3168	3/8	16
SM10T2168	1/2	16

[118]

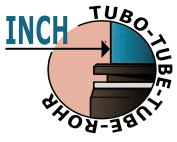




[Conex. Reta c/ Rosca FÊMEA BSP]

Cód.	Rosca	Tubo Ø
SM235040	M5	4
SM238040	1/8	4
SM234040	1/4	4
SM238050	1/8	5
SM234050	1/4	5
SM235060	M5	6
SM238060	1/8	6
SM234060	1/4	6
SM238080	1/8	8
SM234080	1/4	8
SM233080	3/8	8
SM232080	1/2	8
SM238100	1/8	10
SM234100	1/4	10
SM233100	3/8	10
SM232100	1/2	10
SM238120	1/8	12
SM234120	1/4	12
SM233120	3/8	12
SM232120	1/2	12
SM233140	3/8	14
SM232140	1/2	14
SM233160	3/8	16
SM232160	1/2	16

[119]

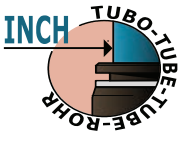


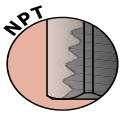


[Conex. Reta c/ Rosca FÊMEA BSP - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM238310	1/8	3,18(1/8")
SM234310	1/4	3,18 (1/8")
SM238390	1/8	3,97 (5/32")
SM234390	1/4	3,97 (5/32")
SM238470	1/8	4,76 (3/16")
SM234470	1/4	4,76 (3/16")
SM233470	3/8	4,76 (3/16")
SM238630	1/8	6,35(1/4")
SM234630	1/4	6,35(1/4")
SM233630	3/8	6,35(1/4")
SM238790	1/8	7,93(5/16")
SM234790	1/4	7,93(5/16")
SM233790	3/8	7,93(5/16")
SM232790	1/2	7,93(5/16")
SM238950	1/8	9,52(3/8")
SM234950	1/4	9,52(3/8")
SM233950	3/8	9,52(3/8")
SM232950	1/2	9,52(3/8")
SM234270	1/4	12,7(1/2")
SM233270	3/8	12,7(1/2")
SM232270	1/2	12,7(1/2")

[128]





[Conex. Reta c/ Rosca FÊMEA NPT - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM23K310	1/8	3,18 (1/8")
SM23X310	1/4	3,18 (1/8")
SM23K390	1/8	3,97 (5/32")
SM23X390	1/4	3,97 (5/32")
SM23K470	1/8	4,76 (3/16")
SM23X470	1/4	4,76 (3/16")
SM23Y470	3/8	4,76 (3/16")
SM23K630	1/8	6,35(1/4")
SM23X630	1/4	6,35(1/4")
SM23Y630	3/8	6,35(1/4")
SM23U630	10-32UNF	6,35(1/4")
SM23K790	1/8	7,93(5/16")
SM23X790	1/4	7,93(5/16")
SM23Y790	3/8	7,93(5/16")
SM23Z790	1/2	7,93(5/16")
SM23K950	1/8	9,52 (3/8")
SM23X950	1/4	9,52(3/8")
SM23Y950	3/8	9,52(3/8")
SM23Z950	1/2	9,52 (3/8")
SM23X270	1/4	12,7(1/2")
SM23Y270	3/8	12,7(1/2")
SM23Z270	1/2	12,7 (1/2")

[209]

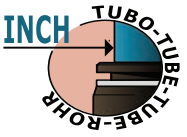




[Conex. em "L" Giratório c/ Rosca BSPT - Teflon]

Cód.	Rosca	Tubo Ø
SM208040T	1/8	4
SM204040T	1/4	4
SM208050T	1/8	5
SM204050T	1/4	5
SM208060T	1/8	6
SM204060T	1/4	6
SM203060T	3/8	6
SM208080T	1/8	8
SM204080T	1/4	8
SM203080T	3/8	8
SM202080T	1/2	8
SM208100T	1/8	10
SM204100T	1/4	10
SM203100T	3/8	10
SM202100T	1/2	10
SM204120T	1/4	12
SM203120T	3/8	12
SM202120T	1/2	12
SM203140T	3/8	14
SM202140T	1/2	14
SM203160T	3/8	16
SM202160T	1/2	16

[211]

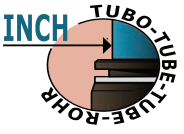




[Conex."L"Giratório c/Rosca BSPT-Teflon-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM208310T	1/8	3,18(1/8")
SM204310T	1/4	3,18 (1/8")
SM208390T	1/8	3,97 (5/32")
SM204390T	1/4	3,97 (5/32")
SM208470T	1/8	4,76 (3/16")
SM204470T	1/4	4,76 (3/16")
SM203470T	3/8	4,76 (3/16")
SM208630T	1/8	6,35(1/4")
SM204630T	1/4	6,35(1/4")
SM203630T	3/8	6,35(1/4")
SM208790T	1/8	7,93(5/16")
SM204790T	1/4	7,93(5/16")
SM203790T	3/8	7,93(5/16")
SM202790T	1/2	7,93(5/16")
SM208950T	1/8	9,52(3/8")
SM204950T	1/4	9,52(3/8")
SM203950T	3/8	9,52(3/8")
SM202950T	1/2	9,52(3/8")
SM204270T	1/4	12,7(1/2")
SM203270T	3/8	12,7(1/2")
SM202270T	1/2	12,7(1/2")

[212]





[Conex. em "L" Giratório c/ Rosca NPT - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM20U310	10-32UNF	3,18 (1/8")
SM20K310	1/8	3,18 (1/8")
SM20X310	1/4	3,18 (1/8")
SM20U390	10-32UNF	3,97 (5/32")
SM20K390	1/8	3,97 (5/32")
SM20X390	1/4	3,97 (5/32")
SM20U470	10-32UNF	4,76 (3/16")
SM20K470	1/8	4,76 (3/16")
SM20X470	1/4	4,76 (3/16")
SM20Y470	3/8	4,76 (3/16")
SM20U630	10-32UNF	6,35(1/4")
SM20K630	1/8	6,35(1/4")
SM20X630	1/4	6,35(1/4")
SM20Y630	3/8	6,35(1/4")
SM20K790	1/8	7,93(5/16")
SM20X790	1/4	7,93(5/16")
SM20Y790	3/8	7,93(5/16")
SM20Z790	1/2	7,93(5/16")
SM20K950	1/8	9,52(3/8")
SM20X950	1/4	9,52(3/8")
SM20Y950	3/8	9,52(3/8")
SM20Z950	1/2	9,52(3/8")
SM20X270	1/4	12,7(1/2")
SM20Y270	3/8	12,7(1/2")
SM20Z270	1/2	12,7(1/2")

[227]





[Conex. em "L" Giratório c/ Rosca BSP + Oring]

Cód.	Rosca	Tubo Ø
SM200338	M3	3
SM205038	M5	3
SM208038	1/8	3
SM205048	M5	4
SM208048	1/8	4
SM204048	1/4	4
SM205058	M5	5
SM208058	1/8	5
SM204058	1/4	5
SM205068	M5	6
SM208068	1/8	6
SM204068	1/4	6
SM208088	1/8	8
SM204088	1/4	8
SM203088	3/8	8
SM202088	1/2	8
SM208108	1/8	10
SM204108	1/4	10
SM203108	3/8	10
SM202108	1/2	10
SM208128	1/8	12
SM204128	1/4	12
SM203128	3/8	12
SM202128	1/2	12
SM203148	3/8	14
SM202148	1/2	14
SM203168	3/8	16
SM202168	1/2	16

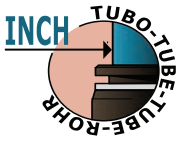
[229]





Cód.	Rosca	Tubo Ø
[Conex. em "L" Fixo c/ Rosca BSPT - Teflon]		
SM218040T	1/8	4
SM214040T	1/4	4
SM218050T	1/8	5
SM214050T	1/4	5
SM218060T	1/8	6
SM214060T	1/4	6
SM218080T	1/8	8
SM214080T	1/4	8
SM213080T	3/8	8
SM212080T	1/2	8
SM218100T	1/8	10
SM214100T	1/4	10
SM213100T	3/8	10
SM212100T	1/2	10
SM214120T	1/4	12
SM213120T	3/8	12
SM212120T	1/2	12
SM213140T	3/8	14
SM212140T	1/2	14
SM213160T	3/8	16
SM212160T	1/2	16

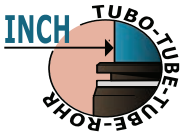
[230]





[Conex. em "L" Fixo c/ Rosca BSPT-Teflon - Tubo INCH]		
SM218310T	1/8	3,18(1/8")
SM214310T	1/4	3,18 (1/8")
SM218390T	1/8	3,97 (5/32")
SM214390T	1/4	3,97 (5/32")
SM218470T	1/8	4,76 (3/16")
SM214470T	1/4	4,76 (3/16")
SM213470T	3/8	4,76 (3/16")
SM218630T	1/8	6,35(1/4")
SM214630T	1/4	6,35(1/4")
SM213630T	3/8	6,35(1/4")
SM218790T	1/8	7,93(5/16")
SM214790T	1/4	7,93(5/16")
SM213790T	3/8	7,93(5/16")
SM212790T	1/2	7,93(5/16")
SM218950T	1/8	9,52(3/8")
SM214950T	1/4	9,52(3/8")
SM213950T	3/8	9,52(3/8")
SM212950T	1/2	9,52(3/8")
SM214270T	1/4	12,7(1/2")
SM213270T	3/8	12,7(1/2")
SM212270T	1/2	12,7(1/2")

[231]





[Conex. em "L" Fixo c/ Rosca NPT - Tubo INCH]		
SM21U310	10-32UNF	3,18(1/8")
SM21K310	1/8	3,18 (1/8")
SM21X310	1/4	3,18 (1/8")
SM21U390	10-32UNF	3,97 (5/32")
SM21K390	1/8	3,97 (5/32")
SM21X390	1/4	3,97 (5/32")
SM21U470	10-32UNF	4,76 (3/16")
SM21K470	1/8	4,76 (3/16")
SM21X470	1/4	4,76 (3/16")
SM21Y470	3/8	4,76 (3/16")
SM21U630	10-32UNF	6,35(1/4")
SM21K630	1/8	6,35(1/4")
SM21X630	1/4	6,35(1/4")
SM21Y630	3/8	6,35(1/4")
SM21K790	1/8	7,93(5/16")
SM21X790	1/4	7,93(5/16")
SM21Y790	3/8	7,93(5/16")
SM21Z790	1/2	7,93(5/16")
SM21K950	1/8	9,52(3/8")
SM21X950	1/4	9,52(3/8")
SM21Y950	3/8	9,52(3/8")
SM21Z950	1/2	9,52(3/8")
SM21X270	1/4	12,7(1/2")
SM21Y270	3/8	12,7(1/2")
SM21Z270	1/2	12,7(1/2")

[232]





[Conex. em "L" Fixo c/Rosca BSP + O'ring]		
SM210338	M3	3
SM215038	M5	3
SM215048	M5	4
SM215058	M5	5
SM215068	M5	6

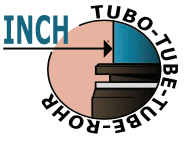
[233]





Cód.	Rosca	Tubo Ø
[Conex. em "L" Longo c/ Rosca BSPT - Teflon]		
SM20L8040T	1/8	4
SM20L4040T	1/4	4
SM20L8050T	1/8	5
SM20L4050T	1/4	5
SM20L8060T	1/8	6
SM20L4060T	1/4	6
SM20L8080T	1/8	8
SM20L4080T	1/4	8
SM20L3080T	3/8	8
SM20L2080T	1/2	8
SM20L8100T	1/8	10
SM20L4100T	1/4	10
SM20L3100T	3/8	10
SM20L2100T	1/2	10
SM20L8120T	1/8	12
SM20L4120T	1/4	12
SM20L3120T	3/8	12
SM20L2120T	1/2	12
SM20L3140T	3/8	14
SM20L2140T	1/2	14
SM20L3160T	3/8	16
SM20L2160T	1/2	16

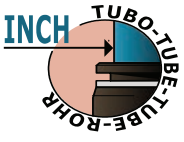
[234]





[Conex.em "L" Longo c/ Rosca BSPT-Teflon-Tubo INCH]		
SM20L8310T	1/8	3,18(1/8")
SM20L4310T	1/4	3,18 (1/8")
SM20L8390T	1/8	3,97 (5/32")
SM20L4390T	1/4	3,97 (5/32")
SM20L8470T	1/8	4,76 (3/16")
SM20L4470T	1/4	4,76 (3/16")
SM20L3470T	3/8	4,76 (3/16")
SM20L8630T	1/8	6,35(1/4")
SM20L4630T	1/4	6,35(1/4")
SM20L3630T	3/8	6,35(1/4")
SM20L8790T	1/8	7,93(5/16")
SM20L4790T	1/4	7,93(5/16")
SM20L3790T	3/8	7,93(5/16")
SM20L2790T	1/2	7,93(5/16")
SM20L8950T	1/8	9,52(3/8")
SM20L4950T	1/4	9,52(3/8")
SM20L3950T	3/8	9,52(3/8")
SM20L2950T	1/2	9,52(3/8")
SM20L4270T	1/4	12,7(1/2")
SM20L3270T	3/8	12,7(1/2")
SM20L2270T	1/2	12,7(1/2")

[235]





[Conex. em "L" Longo c/ Rosca NPT - Tubo INCH]		
SM20LU310	10-32UNF	3,18(1/8")
SM20LK310	1/8	3,18 (1/8")
SM20LX310	1/4	3,18 (1/8")
SM20LU390	10-32UNF	3,97 (5/32")
SM20LK390	1/8	3,97 (5/32")
SM20LX390	1/4	3,97 (5/32")
SM20LU470	10-32UNF	4,76 (3/16")
SM20LK470	1/8	4,76 (3/16")
SM20LX470	1/4	4,76 (3/16")
SM20LY470	3/8	4,76 (3/16")
SM20LU630	10-32UNF	6,35(1/4")
SM20LK630	1/8	6,35(1/4")
SM20LX630	1/4	6,35(1/4")
SM20LY630	3/8	6,35(1/4")
SM20LK790	1/8	7,93(5/16")
SM20LX790	1/4	7,93(5/16")
SM20LY790	3/8	7,93(5/16")
SM20LZ790	1/2	7,93(5/16")
SM20LK950	1/8	9,52(3/8")
SM20LX950	1/4	9,52(3/8")
SM20LY950	3/8	9,52(3/8")
SM20LZ950	1/2	9,52(3/8")
SM20LX270	1/4	12,7(1/2")
SM20LY270	3/8	12,7(1/2")
SM20LZ270	1/2	12,7(1/2")

[236]





Cód.	Rosca	Tubo Ø
[Conex. em "L" Longo c/ Rosca BSP + Oring]		
SM20L5048	M5	4
SM20L8048	1/8	4
SM20L4048	1/4	4
SM20L5058	M5	5
SM20L8058	1/8	5
SM20L4058	1/4	5
SM20L5068	M5	6
SM20L8068	1/8	6
SM20L4068	1/4	6
SM20L8088	1/8	8
SM20L4088	1/4	8
SM20L3088	3/8	8
SM20L2088	1/2	8
SM20L8108	1/8	10
SM20L4108	1/4	10
SM20L3108	3/8	10
SM20L2108	1/2	10
SM20L8128	1/8	12
SM20L4128	1/4	12
SM20L3128	3/8	12
SM20L2128	1/2	12
SM20L3148	3/8	14
SM20L2148	1/2	14
SM20L3168	3/8	16
SM20L2168	1/2	16

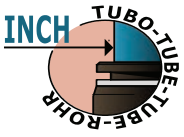
[237]





Cód.	Rosca	Tubo Ø
[Conex. Orientável em "L" c/ Rosca BSPT - Teflon]		
SM388040T	1/8	4
SM384040T	1/4	4
SM388050T	1/8	5
SM384050T	1/4	5
SM388060T	1/8	6
SM384060T	1/4	6
SM388080T	1/8	8
SM384080T	1/4	8
SM383080T	3/8	8
SM382080T	1/2	8
SM388100T	1/8	10
SM384100T	1/4	10
SM383100T	3/8	10
SM382100T	1/2	10
SM388120T	1/8	12
SM384120T	1/4	12
SM383120T	3/8	12
SM382120T	1/2	12
SM383140T	3/8	14
SM382140T	1/2	14
SM383160T	3/8	16
SM382160T	1/2	16

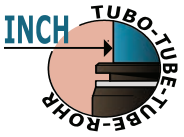
[238]





Cód.	Rosca	Tubo Ø
[Conex. Orient.em "L"c/ Rosca BSPT Teflon-Tubo INCH]		
SM388310T	1/8	3,18 (1/8")
SM384310T	1/4	3,18 (1/8")
SM388390T	1/8	3,97 (5/32")
SM384390T	1/4	3,97 (5/32")
SM388470T	1/8	4,76 (3/16")
SM384470T	1/4	4,76 (3/16")
SM383470T	3/8	4,76 (3/16")
SM388630T	1/8	6,35(1/4")
SM384630T	1/4	6,35(1/4")
SM383630T	3/8	6,35(1/4")
SM388790T	1/8	7,93(5/16")
SM384790T	1/4	7,93(5/16")
SM383790T	3/8	7,93(5/16")
SM382790T	1/2	7,93(5/16")
SM388950T	1/8	9,52(3/8")
SM384950T	1/4	9,52(3/8")
SM383950T	3/8	9,52(3/8")
SM382950T	1/2	9,52(3/8")
SM384270T	1/4	12,7(1/2")
SM383270T	3/8	12,7(1/2")
SM382270T	1/2	12,7(1/2")

[239]





Cód.	Rosca	Tubo Ø
[Conex.Orientável em "L" c/ Rosca NPT - Tubo INCH]		
SM38U310	10-32UNF	3,18(1/8")
SM38K310	1/8	3,18 (1/8")
SM38X310	1/4	3,18 (1/8")
SM38U390	10-32UNF	3,97 (5/32")
SM38K390	1/8	3,97 (5/32")
SM38X390	1/4	3,97 (5/32")
SM38U470	10-32UNF	4,76 (3/16")
SM38K470	1/8	4,76 (3/16")
SM38X470	1/4	4,76 (3/16")
SM38Y470	3/8	4,76 (3/16")
SM38U630	10-32UNF	6,35(1/4")
SM38K630	1/8	6,35(1/4")
SM38X630	1/4	6,35(1/4")
SM38Y630	3/8	6,35(1/4")
SM38K790	1/8	7,93(5/16")
SM38X790	1/4	7,93(5/16")
SM38Y790	3/8	7,93(5/16")
SM38Z790	1/2	7,93(5/16")
SM38K950	1/8	9,52(3/8")
SM38X950	1/4	9,52(3/8")
SM38Y950	3/8	9,52(3/8")
SM38Z950	1/2	9,52(3/8")
SM38X270	1/4	12,7(1/2")
SM38Y270	3/8	12,7(1/2")
SM38Z270	1/2	12,7(1/2")

[228]





Cód.	Rosca	Tubo Ø
[Conex.Orientável em "L" c/ Rosca BSP + Oring]		
SM385040	M5	4
SM388040	1/8	4
SM384040	1/4	4
SM385050	M5	5
SM388050	1/8	5
SM384050	1/4	5
SM385060	M5	6
SM388060	1/8	6
SM384060	1/4	6
SM388080	1/8	8
SM384080	1/4	8
SM383080	3/8	8
SM382080	1/2	8
SM388100	1/8	10
SM384100	1/4	10
SM383100	3/8	10
SM382100	1/2	10
SM388120	1/8	12
SM384120	1/4	12
SM383120	3/8	12
SM382120	1/2	12
SM383140	3/8	14
SM382140	1/2	14
SM383160	3/8	16
SM382160	1/2	16

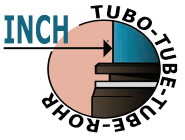
[240]





Cód.	Rosca	Tubo Ø
[Conex.Orient.Fêmea em "L" c/ Rosca BSPT - Teflon]		
SM178040T	1/8	4
SM174040T	1/4	4
SM178050T	1/8	5
SM174050T	1/4	5
SM178060T	1/8	6
SM174060T	1/4	6
SM178080T	1/8	8
SM174080T	1/4	8
SM173080T	3/8	8
SM172080T	1/2	8
SM178100T	1/8	10
SM174100T	1/4	10
SM173100T	3/8	10
SM172100T	1/2	10
SM178120T	1/8	12
SM174120T	1/4	12
SM173120T	3/8	12
SM172120T	1/2	12
SM173140T	3/8	14
SM172140T	1/2	14
SM173160T	3/8	16
SM172160T	1/2	16

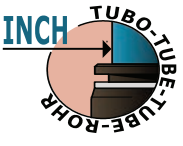
[241]





Cód.	Rosca	Tubo Ø
[Con.Orien.Fêm.em"L"c/Rosca BSPT-Teflon-Tubo INCH]		
SM178310T	1/8	3,18 (1/8")
SM174310T	1/4	3,18 (1/8")
SM178390T	1/8	3,97 (5/32")
SM174390T	1/4	3,97 (5/32")
SM178470T	1/8	4,76 (3/16")
SM174470T	1/4	4,76 (3/16")
SM173470T	3/8	4,76 (3/16")
SM178630T	1/8	6,35(1/4")
SM174630T	1/4	6,35(1/4")
SM173630T	3/8	6,35(1/4")
SM178790T	1/8	7,93(5/16")
SM174790T	1/4	7,93(5/16")
SM173790T	3/8	7,93(5/16")
SM172790T	1/2	7,93(5/16")
SM178950T	1/8	9,52(3/8")
SM174950T	1/4	9,52(3/8")
SM173950T	3/8	9,52(3/8")
SM172950T	1/2	9,52(3/8")
SM174270T	1/4	12,7(1/2")
SM173270T	3/8	12,7(1/2")
SM172270T	1/2	12,7(1/2")

[242]





Cód.	Rosca	Tubo Ø
[Conex.Orient.Fêmea em "L" c/ Rosca NPT - Tubo INCH]		
SM17K310	1/8	3,18 (1/8")
SM17X310	1/4	3,18 (1/8")
SM17K390	1/8	3,97 (5/32")
SM17X390	1/4	3,97 (5/32")
SM17K470	1/8	4,76 (3/16")
SM17X470	1/4	4,76 (3/16")
SM17Y470	3/8	4,76 (3/16")
SM17K630	1/8	6,35(1/4")
SM17X630	1/4	6,35(1/4")
SM17Y630	3/8	6,35(1/4")
SM17U630	10-32UNF	6,35(1/4")
SM17K790	1/8	7,93(5/16")
SM17X790	1/4	7,93(5/16")
SM17Y790	3/8	7,93(5/16")
SM17Z790	1/2	7,93(5/16")
SM17K950	1/8	9,52(3/8")
SM17X950	1/4	9,52(3/8")
SM17Y950	3/8	9,52(3/8")
SM17Z950	1/2	9,52(3/8")
SM17X270	1/4	12,7(1/2")
SM17Y270	3/8	12,7(1/2")
SM17Z270	1/2	12,7(1/2")

[243]





[Conex.Orient.Fêmea em "L" c/ Rosca BSP+O'ring]

Cód.	Rosca	Tubo Ø
SM178048	1/8	4
SM174048	1/4	4
SM178058	1/8	5
SM174058	1/4	5
SM178068	1/8	6
SM174068	1/4	6
SM178088	1/8	8
SM174088	1/4	8
SM173088	3/8	8
SM172088	1/2	8
SM178108	1/8	10
SM174108	1/4	10
SM173108	3/8	10
SM172108	1/2	10
SM178128	1/8	12
SM174128	1/4	12
SM173128	3/8	12
SM172128	1/2	12
SM173148	3/8	14
SM172148	1/2	14
SM173168	3/8	16
SM172168	1/2	16

[244]

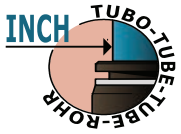




[Conex.Orientável Dupla em "L"c/ Rosca BSPT-Teflon]

SM908040T	1/8	4
SM904040T	1/4	4
SM908050T	1/8	5
SM904050T	1/4	5
SM908060T	1/8	6
SM904060T	1/4	6
SM908080T	1/8	8
SM904080T	1/4	8
SM903080T	3/8	8
SM902080T	1/2	8
SM908100T	1/8	10
SM904100T	1/4	10
SM903100T	3/8	10
SM902100T	1/2	10
SM908120T	1/8	12
SM904120T	1/4	12
SM903120T	3/8	12
SM902120T	1/2	12
SM903140T	3/8	14
SM902140T	1/2	14
SM903160T	3/8	16
SM902160T	1/2	16

[245]

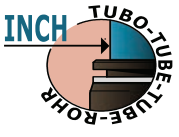




[Con.Orien.Dupla em"L" Rosca BSPT-Teflon-Tubo INCH]

SM908310T	1/8	3,18 (1/8")
SM904310T	1/4	3,18 (1/8")
SM908390T	1/8	3,97 (5/32")
SM904390T	1/4	3,97 (5/32")
SM908470T	1/8	4,76 (3/16")
SM904470T	1/4	4,76 (3/16")
SM903470T	3/8	4,76 (3/16")
SM908630T	1/8	6,35(1/4")
SM904630T	1/4	6,35(1/4")
SM903630T	3/8	6,35(1/4")
SM908790T	1/8	7,93(5/16")
SM904790T	1/4	7,93(5/16")
SM903790T	3/8	7,93(5/16")
SM902790T	1/2	7,93(5/16")
SM908950T	1/8	9,52(3/8")
SM904950T	1/4	9,52(3/8")
SM903950T	3/8	9,52(3/8")
SM902950T	1/2	9,52(3/8")
SM904270T	1/4	12,7(1/2")
SM903270T	3/8	12,7(1/2")
SM902270T	1/2	12,7(1/2")

[246]





[Con.Orien.Dupla em"L"c/Rosca NPT - Tubo INCH]

SM90U310	10-32UNF	3,18(1/8")
SM90K310	1/8	3,18 (1/8")
SM90X310	1/4	3,18 (1/8")
SM90U390	10-32UNF	3,97 (5/32")
SM90K390	1/8	3 97 (5/32")
SM90X390	1/4	3,97 (5/32")
SM90U470	10-32UNF	4,76 (3/16")
SM90K470	1/8	4 76 (3/16")
SM90X470	1/4	4,76 (3/16")
SM90Y470	3/8	4,76 (3/16")
SM90U630	10-32UNF	6,35(1/4")
SM90K630	1/8	6,35(1/4")
SM90X630	1/4	6,35(1/4")
SM90Y630	3/8	6,35(1/4")
SM90K790	1/8	7,93(5/16")
SM90X790	1/4	7,93(5/16")
SM90Y790	3/8	7,93(5/16")
SM90Z790	1/2	7,93(5/16")
SM90K950	1/8	9,52(3/8")
SM90X950	1/4	9,52(3/8")
SM90Y950	3/8	9,52(3/8")
SM90Z950	1/2	9,52(3/8")
SM90X270	1/4	12,7(1/2")
SM90Y270	3/8	12,7(1/2")
SM90Z270	1/2	12,7(1/2")

[247]





[Conex.Orientável Dupla em "L" c/ Rosca BSP + Oring]

Cód.	Rosca	Tubo Ø
SM905048	M5	4
SM908048	1/8	4
SM904048	1/4	4
SM905058	M5	5
SM908058	1/8	5
SM904058	1/4	5
SM905068	M5	6
SM908068	1/8	6
SM904068	1/4	6
SM908088	1/8	8
SM904088	1/4	8
SM903088	3/8	8
SM902088	1/2	8
SM908108	1/8	10
SM904108	1/4	10
SM903108	3/8	10
SM902108	1/2	10
SM908128	1/8	12
SM904128	1/4	12
SM903128	3/8	12
SM902128	1/2	12
SM903148	3/8	14
SM902148	1/2	14
SM903168	3/8	16
SM902168	1/2	16

[248]

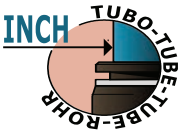




[Conex.Orientável Tripla em "L" c/ Rosca BSPT-Teflon]

SM938040T	1/8	4
SM934040T	1/4	4
SM938050T	1/8	5
SM934050T	1/4	5
SM938060T	1/8	6
SM934060T	1/4	6
SM938080T	1/8	8
SM934080T	1/4	8
SM933080T	3/8	8
SM932080T	1/2	8
SM938100T	1/8	10
SM934100T	1/4	10
SM933100T	3/8	10
SM932100T	1/2	10
SM938120T	1/8	12
SM934120T	1/4	12
SM933120T	3/8	12
SM932120T	1/2	12
SM933140T	3/8	14
SM932140T	1/2	14
SM933160T	3/8	16
SM932160T	1/2	16

[249]

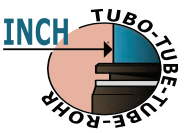




[Con.Orient.Tripla"L"c/ Rosca BSPT-Teflon-Tubo INCH]

SM938310T	1/8	3,18 (1/8")
SM934310T	1/4	3,18 (1/8")
SM938390T	1/8	3,97 (5/32")
SM934390T	1/4	3,97 (5/32")
SM938470T	1/8	4,76 (3/16")
SM934470T	1/4	4,76 (3/16")
SM933470T	3/8	4,76 (3/16")
SM938630T	1/8	6,35(1/4")
SM934630T	1/4	6,35(1/4")
SM933630T	3/8	6,35(1/4")
SM938790T	1/8	7,93(5/16")
SM934790T	1/4	7,93(5/16")
SM933790T	3/8	7,93(5/16")
SM932790T	1/2	7,93(5/16")
SM938950T	1/8	9,52(3/8")
SM934950T	1/4	9,52(3/8")
SM933950T	3/8	9,52(3/8")
SM932950T	1/2	9,52(3/8")
SM934270T	1/4	12,7(1/2")
SM933270T	3/8	12,7(1/2")
SM932270T	1/2	12,7(1/2")

[250]





[Con.Orient.Tripla em"L"c/ Rosca NPT-Tubo INCH]

SM93U310	10-32UNF	3,18(1/8")
SM93K310	1/8	3,18 (1/8")
SM93X310	1/4	3,18 (1/8")
SM93U390	10-32UNF	3,97 (5/32")
SM93K390	1/8	3,97 (5/32")
SM93X390	1/4	3,97 (5/32")
SM93U470	10-32UNF	4,76 (3/16")
SM93K470	1/8	4,76 (3/16")
SM93X470	1/4	4,76 (3/16")
SM93Y470	3/8	4,76 (3/16")
SM93U630	10-32UNF	6,35(1/4")
SM93K630	1/8	6,35(1/4")
SM93X630	1/4	6,35(1/4")
SM93Y630	3/8	6,35(1/4")
SM93K790	1/8	7,93(5/16")
SM93X790	1/4	7,93(5/16")
SM93Y790	3/8	7,93(5/16")
SM93Z790	1/2	7,93(5/16")
SM93K950	1/8	9,52(3/8")
SM93X950	1/4	9,52(3/8")
SM93Y950	3/8	9,52(3/8")
SM93Z950	1/2	9,52(3/8")
SM93X270	1/4	12,7(1/2")
SM93Y270	3/8	12,7(1/2")
SM93Z270	1/2	12,7(1/2")

[251]

[Conex.Orientável Tripla em "L" c/ Rosca BSP + Oring]





Cód.	Rosca	Tubo Ø
SM935048	M5	4
SM938048	1/8	4
SM934048	1/4	4
SM935058	M5	5
SM938058	1/8	5
SM934058	1/4	5
SM935068	M5	6
SM938068	1/8	6
SM934068	1/4	6
SM938088	1/8	8
SM934088	1/4	8
SM933088	3/8	8
SM932088	1/2	8
SM938108	1/8	10
SM934108	1/4	10
SM933108	3/8	10
SM932108	1/2	10
SM938128	1/8	12
SM934128	1/4	12
SM933128	3/8	12
SM932128	1/2	12
SM933148	3/8	14
SM932148	1/2	14
SM933168	3/8	16
SM932168	1/2	16

[210]

[Conex. em "L" Giratório c/Rosca FÊMEA BSP]

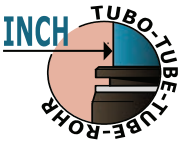




Cód.	Rosca	Tubo Ø
SM228040	1/8	4
SM224040	1/4	4
SM228050	1/8	5
SM224050	1/4	5
SM228060	1/8	6
SM224060	1/4	6
SM228080	1/8	8
SM224080	1/4	8
SM223080	3/8	8
SM222080	1/2	8
SM228100	1/8	10
SM224100	1/4	10
SM223100	3/8	10
SM222100	1/2	10
SM228120	1/8	12
SM224120	1/4	12
SM223120	3/8	12
SM222120	1/2	12
SM223140	3/8	14
SM222140	1/2	14
SM223160	3/8	16
SM222160	1/2	16

[252]

[Conex.em "L"Giratório c/Rosca FÊMEA BSP-Tubo INCH]

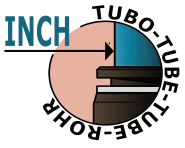


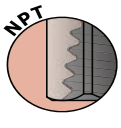


Cód.	Rosca	Tubo Ø
SM228310	1/8	3,18 (1/8")
SM224310	1/4	3,18 (1/8")
SM228390	1/8	3,97 (5/32")
SM224390	1/4	3,97 (5/32")
SM228470	1/8	4,76 (3/16")
SM224470	1/4	4,76 (3/16")
SM223470	3/8	4,76 (3/16")
SM228630	1/8	6,35(1/4")
SM224630	1/4	6,35(1/4")
SM223630	3/8	6,35(1/4")
SM228790	1/8	7,93(5/16")
SM224790	1/4	7,93(5/16")
SM223790	3/8	7,93(5/16")
SM222790	1/2	7,93(5/16")
SM228950	1/8	9,52(3/8")
SM224950	1/4	9,52(3/8")
SM223950	3/8	9,52(3/8")
SM222950	1/2	9,52(3/8")
SM224270	1/4	12,7(1/2")
SM223270	3/8	12,7(1/2")
SM222270	1/2	12,7(1/2")

[253]

[Conex.em "L"Giratório c/Rosca FÊMEA NPT-Tubo INCH]





Cód.	Rosca	Tubo Ø
SM22K310	1/8	3,18 (1/8")
SM22X310	1/4	3,18 (1/8")
SM22K390	1/8	3,97 (5/32")
SM22X390	1/4	3,97 (5/32")
SM22K470	1/8	4,76 (3/16")
SM22X470	1/4	4,76 (3/16")
SM22Y470	3/8	4,76 (3/16")
SM22K630	1/8	6,35(1/4")
SM22X630	1/4	6,35(1/4")
SM22Y630	3/8	6,35(1/4")
SM22U630	10-32UNF	6,35(1/4")
SM22K790	1/8	7,93(5/16")
SM22X790	1/4	7,93(5/16")
SM22Y790	3/8	7,93(5/16")
SM22Z790	1/2	7,93(5/16")
SM22K950	1/8	9,52(3/8")
SM22X950	1/4	9,52(3/8")
SM22Y950	3/8	9,52(3/8")
SM22Z950	1/2	9,52(3/8")
SM22X270	1/4	12,7(1/2")
SM22Y270	3/8	12,7(1/2")
SM22Z270	1/2	12,7(1/2")

[306]

[Conex.em "T" Lateral Giratório c/ Rosca BSPT - Teflon]

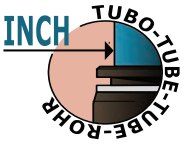




Cód.	Rosca	Tubo Ø
SM338040T	1/8	4
SM334040T	1/4	4
SM338050T	1/8	5
SM334050T	1/4	5
SM338060T	1/8	6
SM334060T	1/4	6
SM338080T	1/8	8
SM334080T	1/4	8
SM333080T	3/8	8
SM332080T	1/2	8
SM338100T	1/8	10
SM334100T	1/4	10
SM333100T	3/8	10
SM332100T	1/2	10
SM338120T	1/8	12
SM334120T	1/4	12
SM333120T	3/8	12
SM332120T	1/2	12
SM333140T	3/8	14
SM332140T	1/2	14
SM333160T	3/8	16
SM332160T	1/2	16

[254]

[Conex."T" Lat.Girat.c/ Rosca BSPT-Teflon-Tubo INCH]

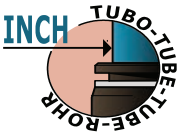




Cód.	Rosca	Tubo Ø
SM338310T	1/8	3,18 (1/8")
SM334310T	1/4	3,18 (1/8")
SM338390T	1/8	3,97 (5/32")
SM334390T	1/4	3,97 (5/32")
SM338470T	1/8	4,76 (3/16")
SM334470T	1/4	4,76 (3/16")
SM333470T	3/8	4,76 (3/16")
SM338630T	1/8	6,35(1/4")
SM334630T	1/4	6,35(1/4")
SM333630T	3/8	6,35(1/4")
SM338790T	1/8	7,93(5/16")
SM334790T	1/4	7,93(5/16")
SM333790T	3/8	7,93(5/16")
SM332790T	1/2	7,93(5/16")
SM338950T	1/8	9,52(3/8")
SM334950T	1/4	9,52(3/8")
SM333950T	3/8	9,52(3/8")
SM332950T	1/2	9,52(3/8")
SM334270T	1/4	12,7(1/2")
SM333270T	3/8	12,7(1/2")
SM332270T	1/2	12,7(1/2")

[255]

[Con.em "T" Lateral Giratório c/ Rosca NPT Tubo INCH]





Cód.	Rosca	Tubo Ø
SM33U310	10-32UNF	3,18 (1/8")
SM33K310	1/8	3,18 (1/8")
SM33X310	1/4	3,18 (1/8")
SM33U390	10-32UNF	3,97 (5/32")
SM33K390	1/8	3,97 (5/32")
SM33X390	1/4	3,97 (5/32")
SM33U470	10-32UNF	4,76 (3/16")
SM33K470	1/8	4,76 (3/16")
SM33X470	1/4	4,76 (3/16")
SM33Y470	3/8	4,76 (3/16")
SM33U630	10-32UNF	6,35(1/4")
SM33K630	1/8	6,35(1/4")
SM33X630	1/4	6,35(1/4")
SM33Y630	3/8	6,35(1/4")
SM33K790	1/8	7,93(5/16")
SM33X790	1/4	7,93(5/16")
SM33Y790	3/8	7,93(5/16")
SM33Z790	1/2	7,93(5/16")
SM33K950	1/8	9,52(3/8")
SM33X950	1/4	9,52(3/8")
SM33Y950	3/8	9,52(3/8")
SM33Z950	1/2	9,52(3/8")
SM33X270	1/4	12,7(1/2")
SM33Y270	3/8	12,7(1/2")
SM33Z270	1/2	12,7(1/2")

[305]

[Conex.em "T" Lateral Giratório c/ Rosca BSP + Oring]





Cód.	Rosca	Tubo Ø
SM335048	M5	4
SM338048	1/8	4
SM334048	1/4	4
SM335058	M5	5
SM338058	1/8	5
SM334058	1/4	5
SM335068	M5	6
SM338068	1/8	6
SM334068	1/4	6
SM338088	1/8	8
SM334088	1/4	8
SM333088	3/8	8
SM332088	1/2	8
SM338108	1/8	10
SM334108	1/4	10
SM333108	3/8	10
SM332108	1/2	10
SM338128	1/8	12
SM334128	1/4	12
SM333128	3/8	12
SM332128	1/2	12
SM333148	3/8	14
SM332148	1/2	14
SM333168	3/8	16
SM332168	1/2	16

[308]

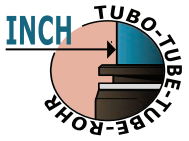




[Conex.em "T" Central Giratório c/ Rosca BSPT - Teflon]

Cód.	Rosca	Tubo Ø
SM408040T	1/8	4
SM404040T	1/4	4
SM408050T	1/8	5
SM404050T	1/4	5
SM405060T	M5	6
SM408060T	1/8	6
SM404060T	1/4	6
SM408080T	1/8	8
SM404080T	1/4	8
SM403080T	3/8	8
SM402080T	1/2	8
SM408100T	1/8	10
SM404100T	1/4	10
SM403100T	3/8	10
SM402100T	1/2	10
SM408120T	1/8	12
SM404120T	1/4	12
SM403120T	3/8	12
SM402120T	1/2	12
SM403140T	3/8	14
SM402140T	1/2	14
SM403160T	3/8	16
SM402160T	1/2	16

[309]

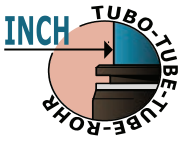




[Con."T"Central Girat.c/Rosca BSPT-Teflon-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM408310T	1/8	3,18 (1/8")
SM404310T	1/4	3,18 (1/8")
SM408390T	1/8	3,97 (5/32")
SM404390T	1/4	3,97 (5/32")
SM408470T	1/8	4,76 (3/16")
SM404470T	1/4	4,76 (3/16")
SM403470T	3/8	4,76 (3/16")
SM408630T	1/8	6,35(1/4")
SM404630T	1/4	6,35(1/4")
SM403630T	3/8	6,35(1/4")
SM408790T	1/8	7,93(5/16")
SM404790T	1/4	7,93(5/16")
SM403790T	3/8	7,93(5/16")
SM402790T	1/2	7,93(5/16")
SM408950T	1/8	9,52(3/8")
SM404950T	1/4	9,52(3/8")
SM403950T	3/8	9,52(3/8")
SM402950T	1/2	9,52(3/8")
SM404270T	1/4	12,7(1/2")
SM403270T	3/8	12,7(1/2")
SM402270T	1/2	12,7(1/2")

[310]





[Conex.em"T"Central Girat. c/ Rosca NPT-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM40U310	10-32UNF	3,18 (1/8")
SM40K310	1/8	3,18 (1/8")
SM40X310	1/4	3,18 (1/8")
SM40U390	10-32UNF	3,97 (5/32")
SM40K390	1/8	3,97 (5/32")
SM40X390	1/4	3,97 (5/32")
SM40U470	10-32UNF	4,76 (3/16")
SM40K470	1/8	4,76 (3/16")
SM40X470	1/4	4,76 (3/16")
SM40Y470	3/8	4,76 (3/16")
SM40U630	10-32UNF	6,35(1/4")
SM40K630	1/8	6,35(1/4")
SM40X630	1/4	6,35(1/4")
SM40Y630	3/8	6,35(1/4")
SM40K790	1/8	7,93(5/16")
SM40X790	1/4	7,93(5/16")
SM40Y790	3/8	7,93(5/16")
SM40Z790	1/2	7,93(5/16")
SM40K950	1/8	9,52(3/8")
SM40X950	1/4	9,52(3/8")
SM40Y950	3/8	9,52(3/8")
SM40Z950	1/2	9,52(3/8")
SM40X270	1/4	12,7(1/2")
SM40Y270	3/8	12,7(1/2")
SM40Z270	1/2	12,7(1/2")

[307]





[Conex.em "T" Central Giratório c/Rosca BSP + Oring]

Cód.	Rosca	Tubo Ø
SM405048	M5	4
SM408048	1/8	4
SM404048	1/4	4
SM405058	M5	5
SM408058	1/8	5
SM404058	1/4	5
SM405068	M5	6
SM408068	1/8	6
SM404068	1/4	6
SM408088	1/8	8
SM404088	1/4	8
SM403088	3/8	8
SM402088	1/2	8
SM408108	1/8	10
SM404108	1/4	10
SM403108	3/8	10
SM402108	1/2	10
SM408128	1/8	12
SM404128	1/4	12
SM403128	3/8	12
SM402128	1/2	12
SM403148	3/8	14
SM402148	1/2	14
SM403168	3/8	16
SM402168	1/2	16

[311]

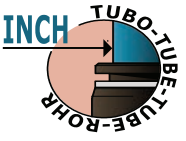




[Conex.Orient.em "T" Central c/ Rosca BSPT-Teflon]

Cód.	Rosca	Tubo Ø
SM398040T	1/8	4
SM394040T	1/4	4
SM398050T	1/8	5
SM394050T	1/4	5
SM398060T	1/8	6
SM394060T	1/4	6
SM398080T	1/8	8
SM394080T	1/4	8
SM393080T	3/8	8
SM392080T	1/2	8
SM398100T	1/8	10
SM394100T	1/4	10
SM393100T	3/8	10
SM392100T	1/2	10
SM398120T	1/8	12
SM394120T	1/4	12
SM393120T	3/8	12
SM392120T	1/2	12
SM393140T	3/8	14
SM392140T	1/2	14
SM393160T	3/8	16
SM392160T	1/2	16

[312]

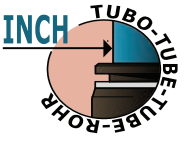




[Con.Orien.em"T"Cent.c/Rosca BSPT-Teflon-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM398310T	1/8	3,18 (1/8")
SM394310T	1/4	3,18 (1/8")
SM398390T	1/8	3,97 (5/32")
SM394390T	1/4	3,97 (5/32")
SM398470T	1/8	4,76 (3/16")
SM394470T	1/4	4,76 (3/16")
SM393470T	3/8	4,76 (3/16")
SM398630T	1/8	6,35(1/4")
SM394630T	1/4	6,35(1/4")
SM393630T	3/8	6,35(1/4")
SM398790T	1/8	7,93(5/16")
SM394790T	1/4	7,93(5/16")
SM393790T	3/8	7,93(5/16")
SM392790T	1/2	7,93(5/16")
SM398950T	1/8	9,52(3/8")
SM394950T	1/4	9,52(3/8")
SM393950T	3/8	9,52(3/8")
SM392950T	1/2	9,52(3/8")
SM394270T	1/4	12,7(1/2")
SM393270T	3/8	12,7(1/2")
SM392270T	1/2	12,7(1/2")

[313]





[Conex.Orient.em "T" Central c/ Rosca NPT-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM39U310	10-32UNF	3,18(1/8")
SM39K310	1/8	3,18 (1/8")
SM39X310	1/4	3,18 (1/8")
SM39U390	10-32UNF	3,97 (5/32")
SM39K390	1/8	3,97 (5/32")
SM39X390	1/4	3,97 (5/32")
SM39U470	10-32UNF	4,76 (3/16")
SM39K470	1/8	4,76 (3/16")
SM39X470	1/4	4,76 (3/16")
SM39Y470	3/8	4,76 (3/16")
SM39U630	10-32UNF	6,35(1/4")
SM39K630	1/8	6,35(1/4")
SM39X630	1/4	6,35(1/4")
SM39Y630	3/8	6,35(1/4")
SM39K790	1/8	7,93(5/16")
SM39X790	1/4	7,93(5/16")
SM39Y790	3/8	7,93(5/16")
SM39Z790	1/2	7,93(5/16")
SM39K950	1/8	9,52(3/8")
SM39X950	1/4	9,52(3/8")
SM39Y950	3/8	9,52(3/8")
SM39Z950	1/2	9,52(3/8")
SM39X270	1/4	12,7(1/2")
SM39Y270	3/8	12,7(1/2")
SM39Z270	1/2	12,7(1/2")

[314]





[Conex.Orient.em "T" Central c/ Rosca BSP + O'ring]

Cód.	Rosca	Tubo Ø
SM395040	M5	4
SM398040	1/8	4
SM394040	1/4	4
SM395050	M5	5
SM398050	1/8	5
SM394050	1/4	5
SM395060	M5	6
SM398060	1/8	6
SM394060	1/4	6
SM398080	1/8	8
SM394080	1/4	8
SM393080	3/8	8
SM392080	1/2	8
SM398100	1/8	10
SM394100	1/4	10
SM393100	3/8	10
SM392100	1/2	10
SM398120	1/8	12
SM394120	1/4	12
SM393120	3/8	12
SM392120	1/2	12
SM393140	3/8	14
SM392140	1/2	14
SM393160	3/8	16
SM392160	1/2	16

[315]

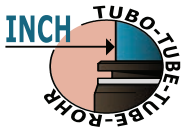




[Con.Orient.em"T"Central Duplo c/Rosca BSPT-Teflon]

SM118040T	1/8	4
SM114040T	1/4	4
SM118050T	1/8	5
SM114050T	1/4	5
SM118060T	1/8	6
SM114060T	1/4	6
SM118080T	1/8	8
SM114080T	1/4	8
SM113080T	3/8	8
SM112080T	1/2	8
SM118100T	1/8	10
SM114100T	1/4	10
SM113100T	3/8	10
SM112100T	1/2	10
SM118120T	1/8	12
SM114120T	1/4	12
SM113120T	3/8	12
SM112120T	1/2	12
SM113140T	3/8	14
SM112140T	1/2	14
SM113160T	3/8	16
SM112160T	1/2	16

[316]

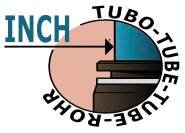




[Con.Ori."T"Cen.Duplo c/Rosca BSPT-Teflon-Tubo INCH]

SM118310T	1/8	3,18 (1/8")
SM114310T	1/4	3,18 (1/8")
SM118390T	1/8	3,97 (5/32")
SM114390T	1/4	3,97 (5/32")
SM118470T	1/8	4,76 (3/16")
SM114470T	1/4	4,76 (3/16")
SM113470T	3/8	4,76 (3/16")
SM118630T	1/8	6,35(1/4")
SM114630T	1/4	6,35(1/4")
SM113630T	3/8	6,35(1/4")
SM118790T	1/8	7,93(5/16")
SM114790T	1/4	7,93(5/16")
SM113790T	3/8	7,93(5/16")
SM112790T	1/2	7,93(5/16")
SM118950T	1/8	9,52(3/8")
SM114950T	1/4	9,52(3/8")
SM113950T	3/8	9,52(3/8")
SM112950T	1/2	9,52(3/8")
SM114270T	1/4	12,7(1/2")
SM113270T	3/8	12,7(1/2")
SM112270T	1/2	12,7(1/2")

[317]





[Con.Orient."T"Centr. Duplo c/ Rosca NPT - Tubo INCH]

SM11U310	10-32UNF	3,18(1/8")
SM11K310	1/8	3,18 (1/8")
SM11X310	1/4	3,18 (1/8")
SM11U390	10-32UNF	3,97 (5/32")
SM11K390	1/8	3,97 (5/32")
SM11X390	1/4	3,97 (5/32")
SM11U470	10-32UNF	4,76 (3/16")
SM11K470	1/8	4,76 (3/16")
SM11X470	1/4	4,76 (3/16")
SM11Y470	3/8	4,76 (3/16")
SM11U630	10-32UNF	6,35(1/4")
SM11K630	1/8	6,35(1/4")
SM11X630	1/4	6,35(1/4")
SM11Y630	3/8	6,35(1/4")
SM11K790	1/8	7,93(5/16")
SM11X790	1/4	7,93(5/16")
SM11Y790	3/8	7,93(5/16")
SM11Z790	1/2	7,93(5/16")
SM11K950	1/8	9,52(3/8")
SM11X950	1/4	9,52(3/8")
SM11Y950	3/8	9,52(3/8")
SM11Z950	1/2	9,52(3/8")
SM11X270	1/4	12,7(1/2")
SM11Y270	3/8	12,7(1/2")
SM11Z270	1/2	12,7(1/2")

[318]





[Conex. Orient. "T" Central Duplo c/Rosca BSP + O'ring]

Cód.	Rosca	Tubo Ø
SM115048	M5	4
SM118048	1/8	4
SM114048	1/4	4
SM115058	M5	5
SM118058	1/8	5
SM114058	1/4	5
SM115068	M5	6
SM118068	1/8	6
SM114068	1/4	6
SM118088	1/8	8
SM114088	1/4	8
SM113088	3/8	8
SM112088	1/2	8
SM118108	1/8	10
SM114108	1/4	10
SM113108	3/8	10
SM112108	1/2	10
SM118128	1/8	12
SM114128	1/4	12
SM113128	3/8	12
SM112128	1/2	12
SM113148	3/8	14
SM112148	1/2	14
SM113168	3/8	16
SM112168	1/2	16

[319]

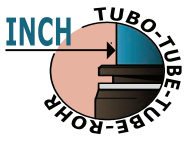




[Con.Orient. em"T"Central Triplo c/ Rosca BSPT-Teflon]

SM578040T	1/8	4
SM574040T	1/4	4
SM578050T	1/8	5
SM574050T	1/4	5
SM578060T	1/8	6
SM574060T	1/4	6
SM578080T	1/8	8
SM574080T	1/4	8
SM573080T	3/8	8
SM572080T	1/2	8
SM578100T	1/8	10
SM574100T	1/4	10
SM573100T	3/8	10
SM572100T	1/2	10
SM578120T	1/8	12
SM574120T	1/4	12
SM573120T	3/8	12
SM572120T	1/2	12
SM573140T	3/8	14
SM572140T	1/2	14
SM573160T	3/8	16
SM572160T	1/2	16

[320]

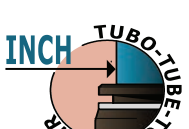




[Con.Orien.em"T" Cent. Triplo Rosca BSPT-Teflon-Tubo INCH]

SM578310T	1/8	3,18 (1/8")
SM574310T	1/4	3,18 (1/8")
SM578390T	1/8	3,97 (5/32")
SM574390T	1/4	3,97 (5/32")
SM578470T	1/8	4,76 (3/16")
SM574470T	1/4	4,76 (3/16")
SM573470T	3/8	4,76 (3/16")
SM578630T	1/8	6,35(1/4")
SM574630T	1/4	6,35(1/4")
SM573630T	3/8	6,35(1/4")
SM578790T	1/8	7,93(5/16")
SM574790T	1/4	7,93(5/16")
SM573790T	3/8	7,93(5/16")
SM572790T	1/2	7,93(5/16")
SM578950T	1/8	9,52(3/8")
SM574950T	1/4	9,52(3/8")
SM573950T	3/8	9,52(3/8")
SM572950T	1/2	9,52(3/8")
SM574270T	1/4	12,7(1/2")
SM573270T	3/8	12,7(1/2")
SM572270T	1/2	12,7(1/2")

[321]





[Con.Orien.em"T"Centr.Triplo c/ Rosca NPT-Tubo INCH]

SM57U310	10-32UNF	3,18(1/8")
SM57K310	1/8	3,18 (1/8")
SM57X310	1/4	3,18 (1/8")
SM57U390	10-32UNF	3,97 (5/32")
SM57K390	1/8	3,97 (5/32")
SM57X390	1/4	3,97 (5/32")
SM57U470	10-32UNF	4,76 (3/16")
SM57K470	1/8	4,76 (3/16")
SM57X470	1/4	4,76 (3/16")
SM57Y470	3/8	4,76 (3/16")
SM57U630	10-32UNF	6,35(1/4")
SM57K630	1/8	6,35(1/4")
SM57X630	1/4	6,35(1/4")
SM57Y630	3/8	6,35(1/4")
SM57K790	1/8	7,93(5/16")
SM57X790	1/4	7,93(5/16")
SM57Y790	3/8	7,93(5/16")
SM57Z790	1/2	7,93(5/16")
SM57K950	1/8	9,52(3/8")
SM57X950	1/4	9,52(3/8")
SM57Y950	3/8	9,52(3/8")
SM57Z950	1/2	9,52(3/8")
SM57X270	1/4	12,7(1/2")
SM57Y270	3/8	12,7(1/2")
SM57Z270	1/2	12,7(1/2")

[322]





Cód.	Rosca	Tubo Ø
[Conex.Orient.em"T"Central Triplo c/Rosca BSP+O'ring]		
SM575048	M5	4
SM578048	1/8	4
SM574048	1/4	4
SM575058	M5	5
SM578058	1/8	5
SM574058	1/4	5
SM575068	M5	6
SM578068	1/8	6
SM574068	1/4	6
SM578088	1/8	8
SM574088	1/4	8
SM573088	3/8	8
SM572088	1/2	8
SM578108	1/8	10
SM574108	1/4	10
SM573108	3/8	10
SM572108	1/2	10
SM578128	1/8	12
SM574128	1/4	12
SM573128	3/8	12
SM572128	1/2	12
SM573148	3/8	14
SM572148	1/2	14
SM573168	3/8	16
SM572168	1/2	16

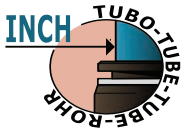
[323]





Cód.	Rosca	Tubo Ø
[Conex.em "Y" Central Giratório c/ Rosca BSPT - Teflon]		
SM348040T	1/8	4
SM344040T	1/4	4
SM348050T	1/8	5
SM344050T	1/4	5
SM348060T	1/8	6
SM344060T	1/4	6
SM348080T	1/8	8
SM344080T	1/4	8
SM343080T	3/8	8
SM342080T	1/2	8
SM348100T	1/8	10
SM344100T	1/4	10
SM343100T	3/8	10
SM342100T	1/2	10
SM348120T	1/8	12
SM344120T	1/4	12
SM343120T	3/8	12
SM342120T	1/2	12
SM343140T	3/8	14
SM342140T	1/2	14
SM343160T	3/8	16
SM342160T	1/2	16

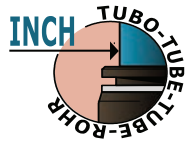
[324]





Cód.	Rosca	Tubo Ø
[Conex."Y"Cent.Girat. c/Rosca BSPT-Teflon-Tubo INCH]		
SM348310T	1/8	3,18 (1/8")
SM344310T	1/4	3,18 (1/8")
SM348390T	1/8	3,97 (5/32")
SM344390T	1/4	3,97 (5/32")
SM348470T	1/8	4,76 (3/16")
SM344470T	1/4	4,76 (3/16")
SM343470T	3/8	4,76 (3/16")
SM348630T	1/8	6,35(1/4")
SM344630T	1/4	6,35(1/4")
SM343630T	3/8	6,35(1/4")
SM348790T	1/8	7,93(5/16")
SM344790T	1/4	7,93(5/16")
SM343790T	3/8	7,93(5/16")
SM342790T	1/2	7,93(5/16")
SM348950T	1/8	9,52(3/8")
SM344950T	1/4	9,52(3/8")
SM343950T	3/8	9,52(3/8")
SM342950T	1/2	9,52(3/8")
SM344270T	1/4	12,7(1/2")
SM343270T	3/8	12,7(1/2")
SM342270T	1/2	12,7(1/2")

[325]





Cód.	Rosca	Tubo Ø
[Conex.em "Y" Central Girat.c/ Rosca NPT-Tubo INCH]		
SM34U310	10-32UNF	3,18 (1/8")
SM34K310	1/8	3,18 (1/8")
SM34X310	1/4	3,18 (1/8")
SM34U390	10-32UNF	3,97 (5/32")
SM34K390	1/8	3,97 (5/32")
SM34X390	1/4	3,97 (5/32")
SM34U470	10-32UNF	4,76 (3/16")
SM34K470	1/8	4,76 (3/16")
SM34X470	1/4	4,76 (3/16")
SM34Y470	3/8	4,76 (3/16")
SM34U630	10-32UNF	6,35(1/4")
SM34K630	1/8	6,35(1/4")
SM34X630	1/4	6,35(1/4")
SM34Y630	3/8	6,35(1/4")
SM34K790	1/8	7,93(5/16")
SM34X790	1/4	7,93(5/16")
SM34Y790	3/8	7,93(5/16")
SM34Z790	1/2	7,93(5/16")
SM34K950	1/8	9,52(3/8")
SM34X950	1/4	9,52(3/8")
SM34Y950	3/8	9,52(3/8")
SM34Z950	1/2	9,52(3/8")
SM34X270	1/4	12,7(1/2")
SM34Y270	3/8	12,7(1/2")
SM34Z270	1/2	12,7(1/2")

[326]



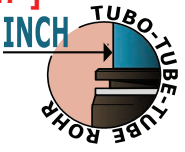


Cód.	Rosca	Tubo Ø
[Conex.em "Y" Central Giratório c/ Rosca BSP + Oring]		
SM345048	M5	4
SM348048	1/8	4
SM344048	1/4	4
SM345058	M5	5
SM348058	1/8	5
SM344058	1/4	5
SM345068	M5	6
SM348068	1/8	6
SM344068	1/4	6
SM348088	1/8	8
SM344088	1/4	8
SM343088	3/8	8
SM342088	1/2	8
SM348108	1/8	10
SM344108	1/4	10
SM343108	3/8	10
SM342108	1/2	10
SM348128	1/8	12
SM344128	1/4	12
SM343128	3/8	12
SM342128	1/2	12
SM343148	3/8	14
SM342148	1/2	14
SM343168	3/8	16
SM342168	1/2	16

[411]



[327]

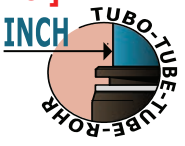


Cód.	Tubo Ø
[União Reta]	
SM500031	3
SM500041	4
SM500051	5
SM500061	6
SM500081	8
SM500101	10
SM500121	12
SM500141	14
SM500161	16
[União Reta - Tubo INCH]	
SM500311	3,18 (1/8")
SM500391	3,97 (5/32")
SM500471	4,76 (3/16")
SM500631	6,35(1/4")
SM500791	7,93(5/16")
SM500951	9,52(3/8")
SM500271	12,7(1/2")

[413]



[328]



Cód.	Tubo Ø
[União em "L"]	
SM600030	3
SM600040	4
SM600050	5
SM600060	6
SM600080	8
SM600100	10
SM600120	12
SM600140	14
SM600160	16
[União em "L" - Tubo INCH]	
SM600310	3,18 (1/8")
SM600390	3,97 (5/32")
SM600470	4,76 (3/16")
SM600630	6,35(1/4")
SM600790	7,93(5/16")
SM600950	9,52(3/8")
SM600270	12,7(1/2")

[414]



[329]



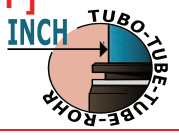
Cód.	Tubo Ø
[União em "T"]	
SM700030	3
SM700040	4
SM700050	5
SM700060	6
SM700080	8
SM700100	10
SM700120	12
SM700140	14
SM700160	16
[União em "T" - Tubo INCH]	
SM700310	3,18 (1/8")
SM700390	3,97 (5/32")
SM700470	4,76 (3/16")
SM700630	6,35(1/4")
SM700790	7,93(5/16")
SM700950	9,52(3/8")
SM700270	12,7(1/2")

[330]



Cód.	Tubo A Ø	Tubo B Ø
[União em "T" com Redução]		
SM754060	4	6
SM754080	4	8
SM756080	6	8
SM756100	6	10
SM758100	8	10
SM758120	8	12
SM751120	10	12
SM751140	10	14
SM752140	12	14
SM752160	12	16

[331]



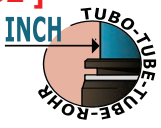
Cód.	Tubo A Ø	Tubo B Ø
[União em "T" com Redução - Tubo INCH]		
SM7539630	3,97 (5/32")	6,35(1/4")
SM7531630	3,18 (1/8")	6,35(1/4")
SM7539470	3,97 (5/32")	4,76 (3/16")
SM7563790	6,35(1/4")	7,93(5/16")
SM7563950	6,35(1/4")	9,52(3/8")
SM7579950	7,93(5/16")	9,52(3/8")
SM7595270	9,52(3/8")	12,7(1/2")

[410]



Cód.	Tubo Ø
[União em "X"]	
SM260030	3
SM260040	4
SM260050	5
SM260060	6
SM260080	8
SM260100	10
SM260120	12
SM260140	14
SM260160	16

[332]



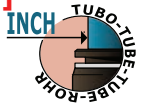
Cód.	Tubo Ø
[União em "X" - Tubo INCH]	
SM260310	3,18 (1/8")
SM260390	3,97 (5/32")
SM260470	4,76 (3/16")
SM260630	6,35(1/4")
SM260790	7,93(5/16")
SM260950	9,52(3/8")
SM260270	12,7(1/2")

[412]



Cód.	Tubo Ø
[União em "Y"]	
SM510031	3
SM510041	4
SM510051	5
SM510061	6
SM510081	8
SM510101	10
SM510121	12
SM510141	14
SM510161	16

[333]



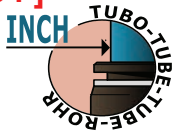
Cód.	Tubo Ø
[União em "Y" - Tubo INCH]	
SM510311	3,18 (1/8")
SM510391	3,97 (5/32")
SM510471	4,76 (3/16")
SM510631	6,35(1/4")
SM510791	7,93(5/16")
SM510951	9,52(3/8")
SM510271	12,7(1/2")

[409]



Cód.	Tubo A Ø	Tubo B Ø
[União de Redução Reta]		
SM244061	4	6
SM244081	4	8
SM246080	6	8
SM246101	6	10
SM248101	8	10
SM248121	8	12
SM241121	10	12
SM241141	10	14
SM242141	12	14
SM242161	12	16

[334]



Cód.	Tubo A Ø	Tubo B Ø
[União de Redução Reta - Tubo INCH]		
SM2439631	3,97 (5/32")	6,35(1/4")
SM2431631	3,18 (1/8")	6,35(1/4")
SM2439471	3,97 (5/32")	4,76 (3/16")
SM2463791	6,35(1/4")	7,93(5/16")
SM2463951	6,35(1/4")	9,52(3/8")
SM2479951	7,93(5/16")	9,52(3/8")
SM2495271	9,52(3/8")	12,7(1/2")

[802]



Cód.	Tubo A Ø	Tubo B Ø
[Inserto Redutor]		
SM254061	4	6
SM254081	4	8
SM256081	6	8
SM256101	6	10
SM258101	8	10
SM256121	6	12
SM258121	8	12
SM251121	10	12

[339]



Cód.	Tubo A Ø	Tubo B Ø
[Inserto Redutor - Tubo INCH]		
SM2539631	3,97 (5/32")	6,35(1/4")
SM2539791	3,97 (5/32")	7,93(5/16")
SM2563791	6,35(1/4")	7,93(5/16")
SM2563951	6,35(1/4")	9,52(3/8")
SM2579951	7,93(5/16")	9,52(3/8")
SM2563271	6,35(1/4")	12,7(1/2")

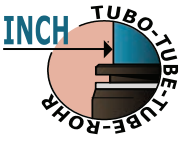
[340]





Cód.	Rosca	Tubo Ø
[Inserto Reto Rosca FÊMEA BSP]		
SM648041	1/8	4
SM644041	1/4	4
SM648051	1/8	5
SM644051	1/4	5
SM648061	1/8	6
SM644061	1/4	6
SM648081	1/8	8
SM644081	1/4	8
SM643081	3/8	8
SM642081	1/2	8
SM648101	1/8	10
SM644101	1/4	10
SM643101	3/8	10
SM642101	1/2	10
SM648121	1/8	12
SM644121	1/4	12
SM643121	3/8	12
SM642121	1/2	12
SM643141	3/8	14
SM642141	1/2	14
SM643161	3/8	16
SM642161	1/2	16

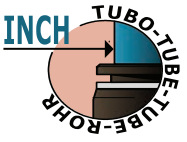
[341]

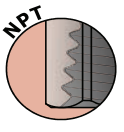




Cód.	Rosca	Tubo Ø
[Inserto Reto Rosca FÊMEA BSP - Tubo INCH]		
SM648311	1/8	3,18 (1/8")
SM644311	1/4	3,18 (1/8")
SM648391	1/8	3,97 (5/32")
SM644391	1/4	3,97 (5/32")
SM648471	1/8	4,76 (3/16")
SM644471	1/4	4,76 (3/16")
SM643471	3/8	4,76 (3/16")
SM648631	1/8	6,35(1/4")
SM644631	1/4	6,35(1/4")
SM643631	3/8	6,35(1/4")
SM648791	1/8	7,93(5/16")
SM644791	1/4	7,93(5/16")
SM643791	3/8	7,93(5/16")
SM642791	1/2	7,93(5/16")
SM648951	1/8	9,52(3/8")
SM644951	1/4	9,52(3/8")
SM643951	3/8	9,52(3/8")
SM642951	1/2	9,52(3/8")
SM644271	1/4	12,7(1/2")
SM643271	3/8	12,7(1/2")
SM642271	1/2	12,7(1/2")

[342]





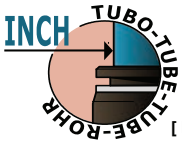
Cód.	Rosca	Tubo Ø
[Inserto Reto Rosca FÊMEA NPT - Tubo INCH]		
SM64K311	1/8	3,18 (1/8")
SM64X311	1/4	3,18 (1/8")
SM64K391	1/8	3,97 (5/32")
SM64X391	1/4	3,97 (5/32")
SM64K471	1/8	4,76 (3/16")
SM64X471	1/4	4,76 (3/16")
SM64Y471	3/8	4,76 (3/16")
SM64K631	1/8	6,35(1/4")
SM64X631	1/4	6,35(1/4")
SM64Y631	3/8	6,35(1/4")
SM64U631	10-32UNF	6,35(1/4")
SM64K791	1/8	7,93(5/16")
SM64X791	1/4	7,93(5/16")
SM64Y791	3/8	7,93(5/16")
SM64Z791	1/2	7,93(5/16")
SM64K951	1/8	9,52(3/8")
SM64X951	1/4	9,52(3/8")
SM64Y951	3/8	9,52(3/8")
SM64Z951	1/2	9,52(3/8")
SM64X271	1/4	12,7(1/2")
SM64Y271	3/8	12,7(1/2")
SM64Z271	1/2	12,7(1/2")

[343]



Cód.	Tubo A Ø	Tubo B Ø
[Inserto em "L" c/ Espiga]		
SM540041	4	4
SM540051	5	5
SM540061	6	6
SM540081	8	8
SM540101	10	10
SM540121	12	12
SM540141	14	14
SM540161	16	16

[344]

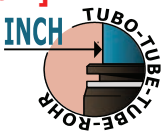


[Inserto em"L"c/Espiga-Tubo INCH]		
SM540311	3,18 (1/8")	3,18 (1/8")
SM540391	3,97 (5/32")	3,97 (5/32")
SM540471	4,76 (3/16")	4,76 (3/16")
SM540631	6,35(1/4")	6,35(1/4")
SM540791	7,93(5/16")	7,93(5/16")
SM540951	9,52(3/8")	9,52(3/8")
SM540271	12,7(1/2")	12,7(1/2")

[345]

[Inserto Redutor em "L" c/Espiga]		
SM544061	4	6
SM544081	4	8
SM546081	6	8
SM546101	6	10
SM548101	8	10
SM546121	6	12
SM548121	8	12
SM541121	10	12

[304]



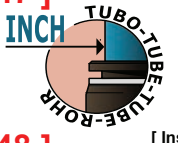
[Inserto Red."L"Espiga-Tubo INCH]		
SM5439631	3,97 (5/32")	6,35(1/4")
SM5439791	3,97 (5/32")	7,93(5/16")
SM5463791	6,35(1/4")	7,93(5/16")
SM5463951	6,35(1/4")	9,52(3/8")
SM5479951	7,93(5/16")	9,52(3/8")
SM5463271	6,35(1/4")	12,7(1/2")

[346]



[Inserto em "T" Central c/Espiga]		
SM570041	4	4
SM570051	5	5
SM570061	6	6
SM570081	8	8
SM570101	10	10
SM570121	12	12
SM570141	14	14
SM570161	16	16

[347]



[Inserto "T" Centr.c/Espiga-Tubo INCH]		
SM570311	3,18 (1/8")	3,18 (1/8")
SM570391	3,97 (5/32")	3,97 (5/32")
SM570471	4,76 (3/16")	4,76 (3/16")
SM570631	6,35(1/4")	6,35(1/4")
SM570791	7,93(5/16")	7,93(5/16")
SM570951	9,52(3/8")	9,52(3/8")
SM570271	12,7(1/2")	12,7(1/2")

[348]

[Inserto Redutor em "T" Central c/Espiga]		
SM574061	4	6
SM574081	4	8
SM576081	6	8
SM576101	6	10
SM578101	8	10
SM576121	6	12
SM578121	8	12
SM571121	10	12

[349]



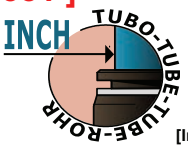
[Inserto Redutor em "T" Central c/Espiga - Tubo INCH]		
SM5739631	3,97 (5/32")	6,35(1/4")
SM5739791	3,97 (5/32")	7,93(5/16")
SM5763791	6,35(1/4")	7,93(5/16")
SM5763951	6,35(1/4")	9,52(3/8")
SM5779951	7,93(5/16")	9,52(3/8")
SM5763271	6,35(1/4")	12,7(1/2")

[350]



Cód.	Tubo A Ø	Tubo B Ø
[Inserto em "T" Lateral c/Espiga]		
SM580041	4	4
SM580051	5	5
SM580061	6	6
SM580081	8	8
SM580101	10	10
SM580121	12	12
SM580141	14	14
SM580161	16	16

[351]

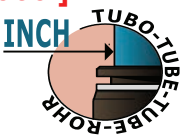


[Inserto"T"Lat. c/Espiga-Tubo INCH]		
SM580311	3,18 (1/8")	3,18 (1/8")
SM580391	3,97 (5/32")	3,97 (5/32")
SM580471	4,76 (3/16")	4,76 (3/16")
SM580631	6,35(1/4")	6,35(1/4")
SM580791	7,93(5/16")	7,93(5/16")
SM580951	9,52(3/8")	9,52(3/8")
SM580271	12,7(1/2")	12,7(1/2")

[352]

[Inserto Redutor em "T" Lateral c/Espiga]		
SM584061	4	6
SM584081	4	8
SM586081	6	8
SM586101	6	10
SM588101	8	10
SM586121	6	12
SM588121	8	12
SM581121	10	12

[353]



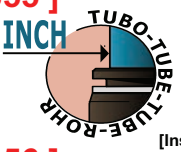
[Inserto Red."T"Lat.Espiga-Tubo INCH]		
SM5839631	3,97 (5/32")	6,35(1/4")
SM5839791	3,97 (5/32")	7,93(5/16")
SM5863791	6,35(1/4")	7,93(5/16")
SM5863951	6,35(1/4")	9,52(3/8")
SM5879951	7,93(5/16")	9,52(3/8")
SM5863271	6,35(1/4")	12,7(1/2")

[354]



[Inserto em "Y" Central c/Espiga]		
SM530041	4	4
SM530051	5	5
SM530061	6	6
SM530081	8	8
SM530101	10	10
SM530121	12	12
SM530141	14	14
SM530161	16	16

[355]

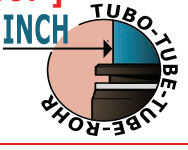


[Inserto"Y"Cent.c/Espiga-Tubo INCH]		
SM530311	3,18 (1/8")	3,18 (1/8")
SM530391	3,97 (5/32")	3,97 (5/32")
SM530471	4,76 (3/16")	4,76 (3/16")
SM530631	6,35(1/4")	6,35(1/4")
SM530791	7,93(5/16")	7,93(5/16")
SM530951	9,52(3/8")	9,52(3/8")
SM530271	12,7(1/2")	12,7(1/2")

[356]

[Inserto Redutor em "Y" Central c/Espiga]		
SM534061	4	6
SM534081	4	8
SM536081	6	8
SM536101	6	10
SM538101	8	10
SM536121	6	12
SM538121	8	12
SM531121	10	12

[357]



[Inserto Red.Y"Cen.Espig-Tub.INCH]		
SM5339631	3,97 (5/32")	6,35(1/4")
SM5339791	3,97 (5/32")	7,93(5/16")
SM5363791	6,35(1/4")	7,93(5/16")
SM5363951	6,35(1/4")	9,52(3/8")
SM5379951	7,93(5/16")	9,52(3/8")
SM5363271	6,35(1/4")	12,7(1/2")

[415]



Cód.	Tubo Ø
[União Reta Tubo/Tubo p/Painel]	
SM800030	3
SM800040	4
SM800050	5
SM800060	6
SM800080	8
SM800100	10
SM800120	12
SM800140	14
SM800160	16

[358]



[União Reta Tubo/Tubo p/Painel-Tubo INCH]	
SM800310	3,18 (1/8")
SM800390	3,97 (5/32")
SM800470	4,76 (3/16")
SM800630	6,35(1/4")
SM800790	7,93(5/16")
SM800950	9,52(3/8")
SM800270	12,7(1/2")

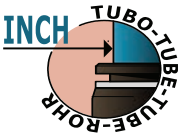
[359]





Cód.	Rosca	Tubo Ø
[União Reta p/ Painel c/Rosca FÊMEA BSP]		
SM818040	1/8	4
SM814040	1/4	4
SM818050	1/8	5
SM814050	1/4	5
SM818060	1/8	6
SM814060	1/4	6
SM818080	1/8	8
SM814080	1/4	8
SM813080	3/8	8
SM812080	1/2	8
SM818100	1/8	10
SM814100	1/4	10
SM813100	3/8	10
SM812100	1/2	10
SM818120	1/8	12
SM814120	1/4	12
SM813120	3/8	12
SM812120	1/2	12
SM813140	3/8	14
SM812140	1/2	14
SM813160	3/8	16
SM812160	1/2	16

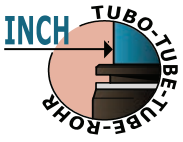
[360]

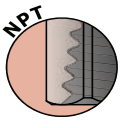




[União Reta p/Painel c/Rosca FÊMEA BSP - Tubo INCH]		
SM818310	1/8	3,18 (1/8")
SM814310	1/4	3,18 (1/8")
SM818390	1/8	3,97 (5/32")
SM814390	1/4	3,97 (5/32")
SM818470	1/8	4,76 (3/16")
SM814470	1/4	4,76 (3/16")
SM813470	3/8	4,76 (3/16")
SM818630	1/8	6,35(1/4")
SM814630	1/4	6,35(1/4")
SM813630	3/8	6,35(1/4")
SM818790	1/8	7,93(5/16")
SM814790	1/4	7,93(5/16")
SM813790	3/8	7,93(5/16")
SM812790	1/2	7,93(5/16")
SM818950	1/8	9,52(3/8")
SM814950	1/4	9,52(3/8")
SM813950	3/8	9,52(3/8")
SM812950	1/2	9,52(3/8")
SM814270	1/4	12,7(1/2")
SM813270	3/8	12,7(1/2")
SM812270	1/2	12,7(1/2")

[361]





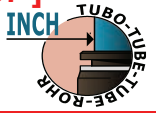
[União Reta p/Painel c/Rosca FÊMEA NPT - Tubo INCH]		
SM81K310	1/8	3,18 (1/8")
SM81X310	1/4	3,18 (1/8")
SM81K390	1/8	3,97 (5/32")
SM81X390	1/4	3,97 (5/32")
SM81K470	1/8	4,76 (3/16")
SM81X470	1/4	4,76 (3/16")
SM81Y470	3/8	4,76 (3/16")
SM81K630	1/8	6,35(1/4")
SM81X630	1/4	6,35(1/4")
SM81Y630	3/8	6,35(1/4")
SM81U630	10-32UNF	6,35(1/4")
SM81K790	1/8	7,93(5/16")
SM81X790	1/4	7,93(5/16")
SM81Y790	3/8	7,93(5/16")
SM81Z790	1/2	7,93(5/16")
SM81K950	1/8	9,52(3/8")
SM81X950	1/4	9,52(3/8")
SM81Y950	3/8	9,52(3/8")
SM81Z950	1/2	9,52(3/8")
SM81X270	1/4	12,7(1/2")
SM81Y270	3/8	12,7(1/2")
SM81Z270	1/2	12,7(1/2")

[366]



Cód.	Tubo Ø
[Conexão Insertável]	
SM150030	3
SM150040	4
SM150050	5
SM150060	6
SM150080	8
SM150100	10
SM150120	12
SM150140	14
SM150160	16

[367]



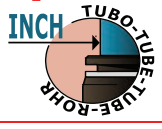
[Conexão Insertável - Tubo INCH]	
SM150310	3,18 (1/8")
SM150390	3,97 (5/32")
SM150470	4,76 (3/16")
SM150630	6,35(1/4")
SM150790	7,93(5/16")
SM150950	9,52(3/8")
SM150270	12,7(1/2")

[368]



Cód.	Tubo A Ø	Tubo B Ø
[Pino com Espiga]		
SM724071	4	7
SM724081	4	8
SM726081	6	8
SM726101	6	10
SM728101	8	10
SM726121	6	12
SM728121	8	12
SM721121	10	12

[369]



[Pino com Espiga - Tubo INCH]		
SM723907	3,97 (5/32")	7
SM723908	3,97 (5/32")	8
SM726308	6,35(1/4")	8
SM726310	6,35(1/4")	10
SM727910	7,93(5/16")	10
SM726312	6,35(1/4")	12
SM727912	7,93(5/16")	12
SM729512	9,52(3/8")	12

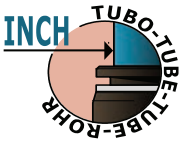
[362]





Cód.	Rosca	Tubo Ø
[Inserto Base + Rosca BSPT - Teflon]		
SM598040T	1/8	4
SM594040T	1/4	4
SM598050T	1/8	5
SM594050T	1/4	5
SM598060T	1/8	6
SM594060T	1/4	6
SM598080T	1/8	8
SM594080T	1/4	8
SM593080T	3/8	8
SM592080T	1/2	8
SM598100T	1/8	10
SM594100T	1/4	10
SM593100T	3/8	10
SM592100T	1/2	10
SM598120T	1/8	12
SM594120T	1/4	12
SM593120T	3/8	12
SM592120T	1/2	12
SM593140T	3/8	14
SM592140T	1/2	14
SM593160T	3/8	16
SM592160T	1/2	16

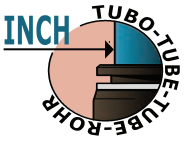
[363]





[Inserto Base + Rosca BSPT - Teflon - Tubo INCH]		
SM598310T	1/8	3,18 (1/8")
SM594310T	1/4	3,18 (1/8")
SM598390T	1/8	3,97 (5/32")
SM594390T	1/4	3,97 (5/32")
SM598470T	1/8	4,76 (3/16")
SM594470T	1/4	4,76 (3/16")
SM593470T	3/8	4,76 (3/16")
SM598630T	1/8	6,35(1/4")
SM594630T	1/4	6,35(1/4")
SM593630T	3/8	6,35(1/4")
SM598790T	1/8	7,93(5/16")
SM594790T	1/4	7,93(5/16")
SM593790T	3/8	7,93(5/16")
SM592790T	1/2	7,93(5/16")
SM598950T	1/8	9,52(3/8")
SM594950T	1/4	9,52(3/8")
SM593950T	3/8	9,52(3/8")
SM592950T	1/2	9,52(3/8")
SM594270T	1/4	12,7(1/2")
SM593270T	3/8	12,7(1/2")
SM592270T	1/2	12,7(1/2")

[364]

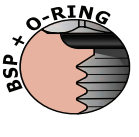




[Inserto Base + Rosca NPT - Tubo INCH]		
SM59U310	10-32UNF	3,18 (1/8")
SM59K310	1/8	3,18 (1/8")
SM59X310	1/4	3,18 (1/8")
SM59U390	10-32UNF	3,97 (5/32")
SM59K390	1/8	3,97 (5/32")
SM59X390	1/4	3,97 (5/32")
SM59U470	10-32UNF	4,76 (3/16")
SM59K470	1/8	4,76 (3/16")
SM59X470	1/4	4,76 (3/16")
SM59Y470	3/8	4,76 (3/16")
SM59U630	10-32UNF	6,35(1/4")
SM59K630	1/8	6,35(1/4")
SM59X630	1/4	6,35(1/4")
SM59Y630	3/8	6,35(1/4")
SM59K790	1/8	7,93(5/16")
SM59X790	1/4	7,93(5/16")
SM59Y790	3/8	7,93(5/16")
SM59Z790	1/2	7,93(5/16")
SM59K950	1/8	9,52(3/8")
SM59X950	1/4	9,52(3/8")
SM59Y950	3/8	9,52(3/8")
SM59Z950	1/2	9,52(3/8")
SM59X270	1/4	12,7(1/2")
SM59Y270	3/8	12,7(1/2")
SM59Z270	1/2	12,7(1/2")

[365]





[Inserto Base + Rosca Cilíndrica + O'ring]		
SM595048	M5	4
SM598048	1/8	4
SM594048	1/4	4
SM595058	M5	5
SM598058	1/8	5
SM594058	1/4	5
SM595068	M5	6
SM598068	1/8	6
SM594068	1/4	6
SM598088	1/8	8
SM594088	1/4	8
SM593088	3/8	8
SM592088	1/2	8
SM598108	1/8	10
SM594108	1/4	10
SM593108	3/8	10
SM592108	1/2	10
SM598128	1/8	12
SM594128	1/4	12
SM593128	3/8	12
SM592128	1/2	12
SM593148	3/8	14
SM592148	1/2	14
SM593168	3/8	16
SM592168	1/2	16

REGULADORAS DE VELOCIDADE
FLOW REGULATORS

série SM
REG. VELOCIDADE

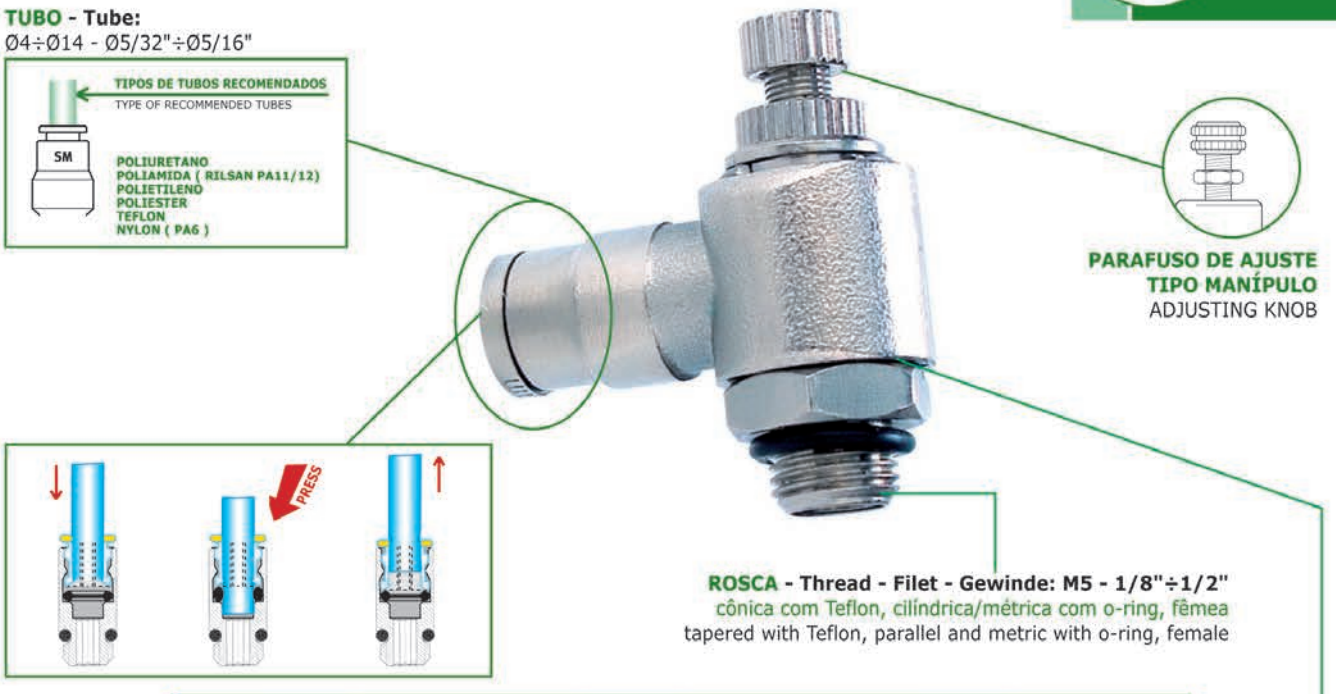
Sistema de ACOPLAMENTO DO TUBO
Type of TUBE COUPLING

TUBO - Tube:
Ø4÷Ø14 - Ø5/32"÷Ø5/16"

TIPOS DE TUBOS RECOMENDADOS
TYPE OF RECOMMENDED TUBES

SM

POLIURETANO
POLIAMIDA (RILSAN PA11/12)
POLIETILENO
POLIESTER
TEFLON
NYLON (PA6)



PARAFUSO DE AJUSTE
TIPO MANÍPULO
ADJUSTING KNOB

ROSCA - Thread - Filet - Gewinde: M5 - 1/8"÷1/2"
cônica com Teflon, cilíndrica/métrica com o-ring, fêmea
tapered with Teflon, parallel and metric with o-ring, female



REGULADOR POR CILINDRO
REGULATOR FOR CYLINDER

REGULADOR POR VÁLVULA
REGULATOR FOR VALVE

REGULADOR BIDIRECIONAL
REGULATOR BIDIRECTIONAL

O-RING/VEDAÇÕES
OIL-PROOF RUBBER

SEM SILICONE
SILICONE FREE

O-RING ESPECIAIS A PEDIDO
SPECIAL O-RINGS ON REQUEST

DADOS TÉCNICOS
LATÃO (EN 12164-CW614N) NIQUELADO
ZAMA-15 (UNI 3717) NIQUELADO
VEDAÇÕES EM BORRACHA ANTI-ÓLEO NBR
PRESSÃO MÁXIMA DE TRABALHO: 10 BAR (1 MPa)
TEMPERATURA DE TRABALHO: -10°C (263°K), +80°C (353°K)

CARACTERISTIQUES TECHNIQUES
LAITON (EN 12164-CW614N) NICKELE
ZAMA-15 (UNI 3717) NICKELEE
JOINTS EN CAOUTCHOUC ANTI-HUILE NBR
PRESSION MAXI D'EXERCICE: 10 BAR (1 MPa)
TEMPERATURE DE TRAVAIL: -10°C (263°K), +80°C (353°K)

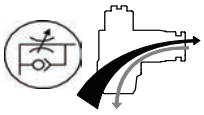


[2210] - [REGULAD. de VELOC. "SM"]

[699]



PARA CILINDRO

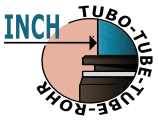




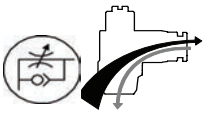
[Reguladora p/Cilindro c/Rosca BSPT - Teflon]

Cód.	Rosca	Tubo Ø
SM958040T	1/8	4
SM954040T	1/4	4
SM953040T	3/8	4
SM958060T	1/8	6
SM954060T	1/4	6
SM953060T	3/8	6
SM958080T	1/8	8
SM954080T	1/4	8
SM953080T	3/8	8
SM952080T	1/2	8
SM958100T	1/8	10
SM954100T	1/4	10
SM953100T	3/8	10
SM952100T	1/2	10
SM958120T	1/8	12
SM954120T	1/4	12
SM953120T	3/8	12
SM952120T	1/2	12
SM953160T	3/8	16
SM952160T	1/2	16

[700]



PARA CILINDRO

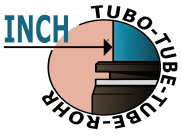




[Reguladora p/Cilindro Rosca BSPT-Teflon-Tubo INCH]

Cód.	Rosca	Tubo Ø
SM958310T	1/8	3,18 (1/8")
SM954310T	1/4	3,18 (1/8")
SM958390T	1/8	3,97 (5/32")
SM954390T	1/4	3,97 (5/32")
SM958470T	1/8	4,76 (3/16")
SM954470T	1/4	4,76 (3/16")
SM953470T	3/8	4,76 (3/16")
SM958630T	1/8	6,35(1/4")
SM954630T	1/4	6,35(1/4")
SM953630T	3/8	6,35(1/4")
SM958790T	1/8	7,93(5/16")
SM954790T	1/4	7,93(5/16")
SM953790T	3/8	7,93(5/16")
SM952790T	1/2	7,93(5/16")
SM958950T	1/8	9,52(3/8")
SM954950T	1/4	9,52(3/8")
SM953950T	3/8	9,52(3/8")
SM952950T	1/2	9,52(3/8")
SM954270T	1/4	12,7(1/2")
SM953270T	3/8	12,7(1/2")
SM952270T	1/2	12,7(1/2")

[701]



PARA CILINDRO





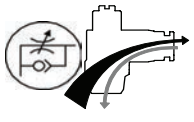
[Reguladora p/Cilindro c/Rosca NPT - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM95U310	10-32UNF	3,18 (1/8")
SM95K310	1/8	3,18 (1/8")
SM95X310	1/4	3,18 (1/8")
SM95U390	10-32UNF	3,97 (5/32")
SM95K390	1/8	3,97 (5/32")
SM95X390	1/4	3,97 (5/32")
SM95U470	10-32UNF	4,76 (3/16")
SM95K470	1/8	4,76 (3/16")
SM95X470	1/4	4,76 (3/16")
SM95Y470	3/8	4,76 (3/16")
SM95U630	10-32UNF	6,35(1/4")
SM95K630	1/8	6,35(1/4")
SM95X630	1/4	6,35(1/4")
SM95Y630	3/8	6,35(1/4")
SM95K790	1/8	7,93(5/16")
SM95X790	1/4	7,93(5/16")
SM95Y790	3/8	7,93(5/16")
SM95K950	1/8	9,52(3/8")
SM95X950	1/4	9,52(3/8")
SM95Y950	3/8	9,52(3/8")
SM95Z950	1/2	9,52(3/8")
SM95X270	1/4	12,7(1/2")
SM95Y270	3/8	12,7(1/2")
SM95Z270	1/2	12,7(1/2")

[702]



PARA CILINDRO





[Reguladora p/Cilindro c/Rosca BSP + Oring]

Cód.	Rosca	Tubo Ø
SM455048	M5	4
SM456048	M6	4
SM958048	1/8	4
SM954048	1/4	4
SM958058	1/8	5
SM954058	1/4	5
SM455068	M5	6
SM456068	M6	6
SM958068	1/8	6
SM954068	1/4	6
SM958088	1/8	8
SM954088	1/4	8
SM953088	3/8	8
SM952088	1/2	8
SM958108	1/8	10
SM954108	1/4	10
SM953108	3/8	10
SM952108	1/2	10
SM958128	1/8	12
SM954128	1/4	12
SM953128	3/8	12
SM952128	1/2	12
SM953148	3/8	14
SM952148	1/2	14
SM953168	3/8	16
SM952168	1/2	16

[703]



PARA CILINDRO

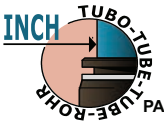




[Reguladora p/Cilindro Rosca BSPT-Teflon-Reg.c/Chave]

Cód.	Rosca	Tubo Ø
SM958040CT	1/8	4
SM954040CT	1/4	4
SM953040CT	3/8	4
SM958060CT	1/8	6
SM954060CT	1/4	6
SM953060CT	3/8	6
SM958080CT	1/8	8
SM954080CT	1/4	8
SM953080CT	3/8	8
SM952080CT	1/2	8
SM958100CT	1/8	10
SM954100CT	1/4	10
SM953100CT	3/8	10
SM952100CT	1/2	10
SM958120CT	1/8	12
SM954120CT	1/4	12
SM953120CT	3/8	12
SM952120CT	1/2	12
SM953160CT	3/8	16
SM952160CT	1/2	16

[704]



PARA CILINDRO

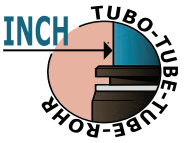




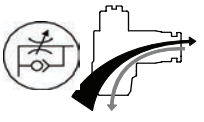
[Reguladoras p/Cilindro c/Rosca BSPT-Teflon-Reg.c/chave - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM958310CT	1/8	3,18 (1/8")
SM954310CT	1/4	3,18 (1/8")
SM958390CT	1/8	3,97 (5/32")
SM954390CT	1/4	3,97 (5/32")
SM958470CT	1/8	4,76 (3/16")
SM954470CT	1/4	4,76 (3/16")
SM953470CT	3/8	4,76 (3/16")
SM958630CT	1/8	6,35(1/4")
SM954630CT	1/4	6,35(1/4")
SM953630CT	3/8	6,35(1/4")
SM958790CT	1/8	7,93(5/16")
SM954790CT	1/4	7,93(5/16")
SM953790CT	3/8	7,93(5/16")
SM952790CT	1/2	7,93(5/16")
SM958950CT	1/8	9,52(3/8")
SM954950CT	1/4	9,52(3/8")
SM953950CT	3/8	9,52(3/8")
SM952950CT	1/2	9,52(3/8")
SM954270CT	1/4	12,7(1/2")
SM953270CT	3/8	12,7(1/2")
SM952270CT	1/2	12,7(1/2")

[705]



PARA CILINDRO





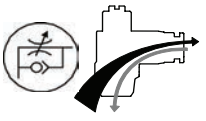
[Reg. p/ Cilind.Rosca NPT-Reg.c/ chave - Tubo INCH]

Cód.	Rosca	Tubo Ø
SM95U310C	10-32UNF	3,18 (1/8")
SM95K310C	1/8	3,18 (1/8")
SM95X310C	1/4	3,18 (1/8")
SM95U390C	10-32UNF	3,97 (5/32")
SM95K390C	1/8	3,97 (5/32")
SM95X390C	1/4	3,97 (5/32")
SM95U470C	10-32UNF	4,76 (3/16")
SM95K470C	1/8	4,76 (3/16")
SM95X470C	1/4	4,76 (3/16")
SM95Y470C	3/8	4,76 (3/16")
SM95U630C	10-32UNF	6,35(1/4")
SM95K630C	1/8	6,35(1/4")
SM95X630C	1/4	6,35(1/4")
SM95Y630C	3/8	6,35(1/4")
SM95K790C	1/8	7,93(5/16")
SM95X790C	1/4	7,93(5/16")
SM95Y790C	3/8	7,93(5/16")
SM95K950C	1/8	9,52(3/8")
SM95X950C	1/4	9,52(3/8")
SM95Y950C	3/8	9,52(3/8")
SM95Z950C	1/2	9,52(3/8")
SM95X270C	1/4	12,7(1/2")
SM95Y270C	3/8	12,7(1/2")
SM95Z270C	1/2	12,7(1/2")

[706]



PARA CILINDRO





[Reguladora p/Cilindro c/Rosca BSP+O'ring-Reg.c/chave]

Cód.	Rosca	Tubo Ø
SM455048C	M5	4
SM456048C	M6	4
SM958048C	1/8	4
SM954048C	1/4	4
SM958058C	1/8	5
SM954058C	1/4	5
SM455068C	M5	6
SM456068C	M6	6
SM958068C	1/8	6
SM954068C	1/4	6
SM958088C	1/8	8
SM954088C	1/4	8
SM953088C	3/8	8
SM952088C	1/2	8
SM958108C	1/8	10
SM954108C	1/4	10
SM953108C	3/8	10
SM952108C	1/2	10
SM958128C	1/8	12
SM954128C	1/4	12
SM953128C	3/8	12
SM952128C	1/2	12
SM953148C	3/8	14
SM952148C	1/2	14
SM953168C	3/8	16
SM952168C	1/2	16

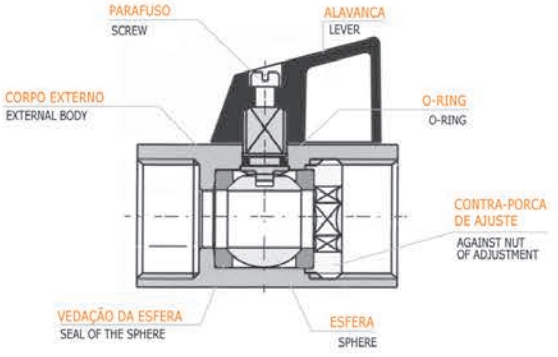
VÁLVULAS DE ESFERA
BALL TAP

Materiais de Construção
Latão niquelado (EN 12165-CW617N)
Latão (EN 12164-CW614N)
Vedação da esfera em PTFE
Vedações em NBR
Alavanca em nylon
Parafuso em aço
Pressão máxima de trabalho:
10 Bar (1 MPa)
Temperatura de trabalho:
-10°C (263°K) +90°C (363°K)

Material of Construction
NICKEL-PLATED BRASS
Brass (EN 12164-CW614N)
Seal of the sphere in PTFE
Seal in NBR
Lever in nylon
Screw in steel
Max Working Pressure:
10 bar (1 MPa)
Working temperature:
-10°C (263°K) +90°C (363°K)



série SM VÁLVULA DE FECHAMENTO



Tipos de rosca Thread types
Rosca cilíndrica / métrica — Cylindrical thread / metric — UNI-ISO 228/1-UNI 5542-65
Rosca cônica UNI-ISO 7/1 — Conical thread
Rosca cilíndrica fêmea — Female cylindrical thread — UNI-ISO 228/1

O-RING/VEDAÇÕES OIL-PROOF RUBBER — SEM SILICONE SILICONE FREE — O-RING ESPECIAIS A PEDIDO SPECIAL O-RINGS ON REQUEST

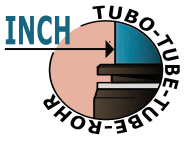
[2440]-[VÁLV. de FECH. 2/3 Vias"SM"]

[707]



Cód.	Tubo Ø
[Válvula Fech.2/3 Vias Tubo/Tubo]	
SMRTT0040	4
SMRTT0060	6
SMRTT0080	8
SMRTT0100	10
SMRTT0120	12

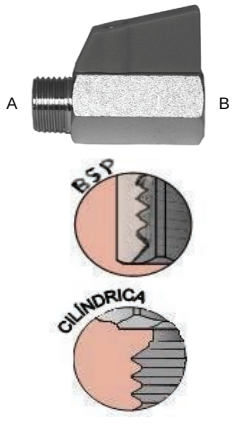
[708]



[Válvula Fech.2/3Vias Tubo/Tubo-INCH]	
SMRTT0310	3,18 (1/8")
SMRTT0390	3,97 (5/32")
SMRTT0470	4,76 (3/16")
SMRTT0630	6,35(1/4")
SMRTT0790	7,93(5/16")
SMRTT0950	9,52(3/8")
SMRTT0270	12,7(1/2")

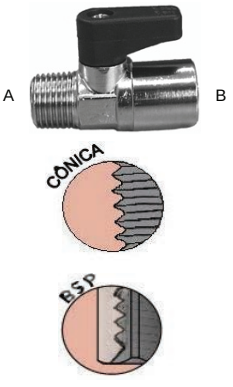
[2450]-[VÁLV.deFECH.-ESFERA "SM"]

[710]



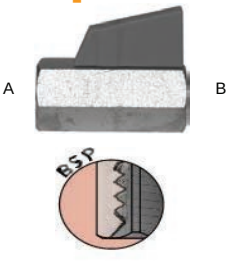
Cód.	Rosca A	Rosca B
["Mini" Válvula de Esfera Rosca Macho Cilínd.-Fêmea		
SMMF08	1/8	1/8
SMMF04	1/4	1/4
SMMF03	3/8	3/8

[711]



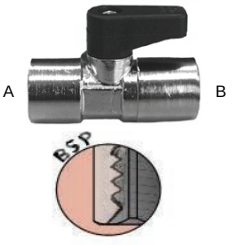
Cód.	Rosca A	Rosca B
[Válvula de Esfera Rosca Macho Cônica-Fêmea		
SMSMF08	1/8	1/8
SMSMF04	1/4	1/4

[712]



Cód.	Rosca A	Rosca B
["Mini" Válvula de Esfera Rosca Fêmea-Fêmea		
SMFF08	1/8	1/8
SMFF04	1/4	1/4

[713]



Cód.	Rosca A	Rosca B
[Válvula de Esfera Rosca Fêmea-Fêmea]		
SMSFF08	1/8	1/8
SMSFF04	1/4	1/4



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