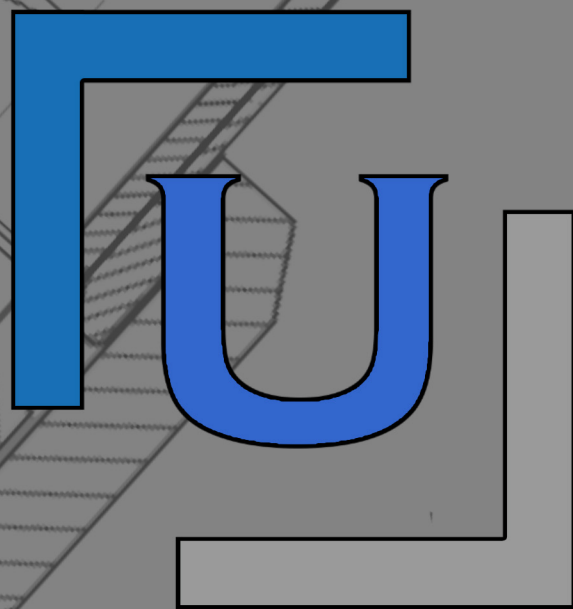
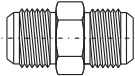
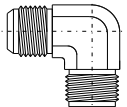
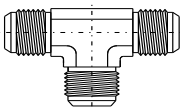
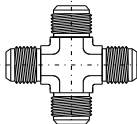


Conexões ***JIC 37°***

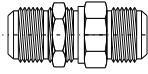
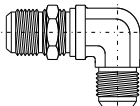
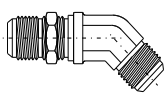
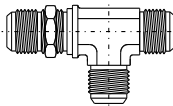
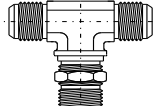


USiiNOX

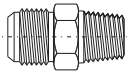
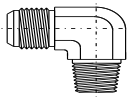
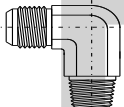
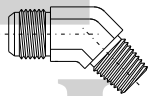
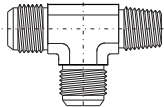
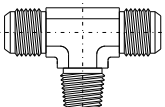
Tubo / Tubo (Tube to Tube)

			
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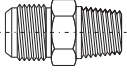
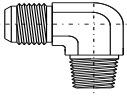
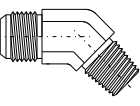
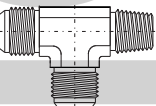
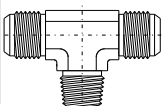
Tubo / Tubo para painéis (Bukhead Union)

					
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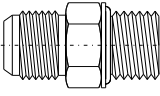
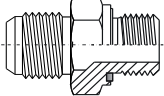
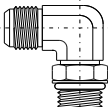
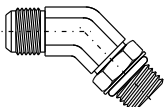
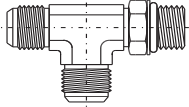
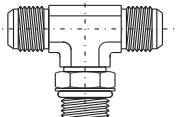
Tubo / Macho NPT (Tube to Male NPT)

					
União Macho 070102..... Pág. 18	Joelho Macho 070202..... Pág. 19	Joelho Macho Longo 071502..... Pág. 20	Curva 45° Macho 070302.... Pág. 21	Te Vertical Macho 070424.... Pág. 22	Te Macho 070425.... Pág. 23

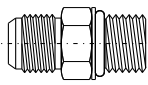
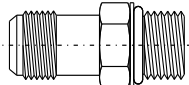
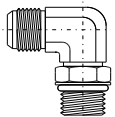
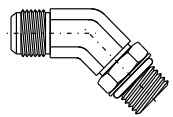
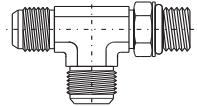
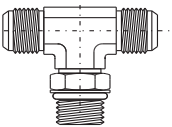
Tubo / Macho BSPT (Tube to Male BSPT)

				
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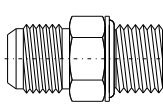
Tubo / Macho BSP (Tube to Male BSP)

					
União Macho 070120..... Pág. 29	União Macho 070120....-Q Pág. 30	Joelho Macho 070220..... Pág. 31	Curva 45° Macho 070320.... Pág. 32	Te Vertical Macho 070428.... Pág. 33	Te Macho 070429.... Pág. 34

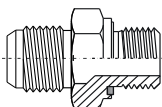
Tubo / Macho UNF (Tube to Male UNF)

					
União Macho 070120..... Pág. 35	União Macho Longo 070122..... Pág. 36	Joelho Macho 070220..... Pág. 37	Curva 45° Macho 070320.... Pág. 38	Te Vertical Macho 070428.... Pág. 39	Te Macho 070429.... Pág. 40

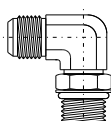
Tubo / Macho Metrica (Tube to Male Metric)



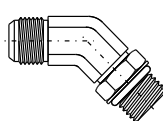
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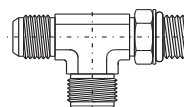
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070120...-Q
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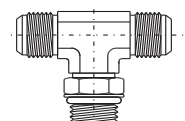
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Curva 45° Macho
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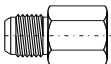


Te Vertical Macho
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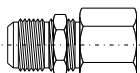


Te Macho
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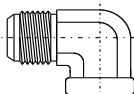
Tubo / Fêmea NPT (Tube to Female NPT)



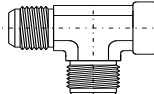
União Fêmea
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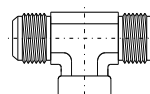
União Fêmea Para Painéis
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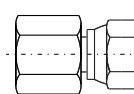
Joelho Fêmea
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Te Vertical Fêmea
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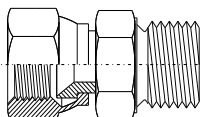


Te Fêmea
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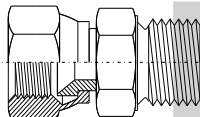


União Fêmea NPT Porca Giratória UPGF....
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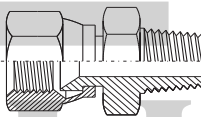
União Porca Giratória JIC / Rosca Macho (Swivel Nut Straight thread)



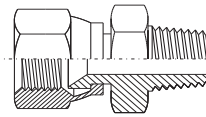
União PG Macho BSP
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União PG Macho Métrico
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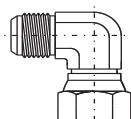


União PG Macho NPT
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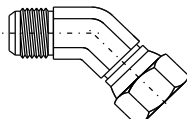


União PG Macho BSPT
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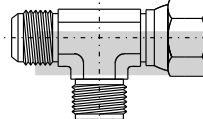
Tubo / Porca Giratória (Tube to swivel nut)



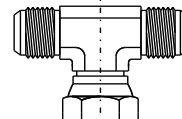
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Curva 45° Porca Giratória
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Te Vertical Porca Giratória
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Te Porca Giratória
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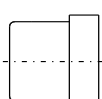


União Porca Giratória UPG-.....
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Porca e Luva (nuts & Sleeves)

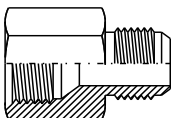


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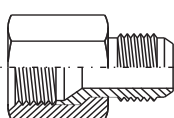


Luva
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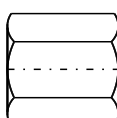
Tubo / Redução - Tampão e Bujão (Tube end Reducers - Plug Caps)



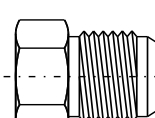
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Redução PG
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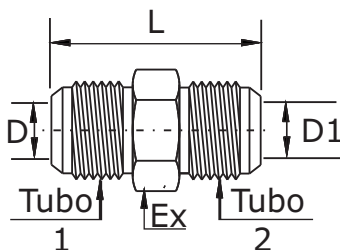
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Bujão
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UNIÃO (Union)

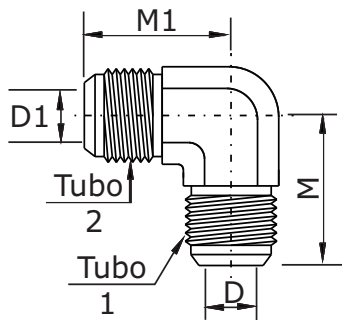
070101



Ref.	Tubo 1 O.D.	Rosca UNF	Tubo 2 O.D.	Rosca UNF	Ex	L	D	D1
070101-4-4 S	1/4	7/16-20	1/4	7/16-20	1/2	35	4	4
070101-5-4 S	5/16	1/2-20	1/4	7/16-20	9/16	35	6	5
070101-5-5 S	5/16	1/2-20	5/16	1/2-20	9/16	35	6	6
070101-6-4 S	3/8	9/16-18	1/4	7/16-20	5/8	36	8	4
070101-6-5 S	3/8	9/16-18	5/16	1/2-20	5/8	36	8	6
070101-6-6 S	3/8	9/16-18	3/8	9/16-18	5/8	36	8	8
070101-8-4 S	1/2	3/4-16	1/4	7/16-20	13/16	39	10	5
070101-8-6 S	1/2	3/4-16	3/8	9/16-18	13/16	39	10	8
070101-8-8 S	1/2	3/4-16	1/2	3/4-16	13/16	41	10	10
070101-10-6 S	5/8	7/8-14	3/8	9/16-18	15/16	43	12	8
070101-10-8 S	5/8	7/8-14	1/2	3/4-16	15/16	45	12	10
070101-10-10 S	5/8	7/8-14	5/8	7/8-14	15/16	48	12	12
070101-12-8 S	3/4	1.1/16-12	1/2	3/4-16	1.1/8	50	16	10
070101-12-10 S	3/4	1.1/16-12	5/8	7/8-14	1.1/8	52	16	12
070101-12-12 S	3/4	1.1/16-12	3/4	1.1/16-12	1.1/8	55	16	16
070101-14-14 S	7/8	1.3/16-12	7/8	1.3/16-12	1.1/4	56	18	18
070101-16-12 S	1	1.5/16-12	3/4	1.1/16-12	1.3/8	56	22	16
070101-16-16 S	1	1.5/16-12	1	1.5/16-12	1.3/8	57	22	22
070101-20-16 S	1.1/4	1.5/8-12	1	1.5/16-12	1.11/16	61	28	22
070101-20-20 S	1.1/4	1.5/8-12	1.1/4	1.5/8-12	1.11/16	62	28	28
070101-24-24 S	1.1/2	1.7/8-12	1.1/2	1.7/8-12	2	70	33	33
070101-32-32 S	2	2.1/2-12	2	2.1/2-12	2.5/8	87	45	45

JOELHO (Union elbow)

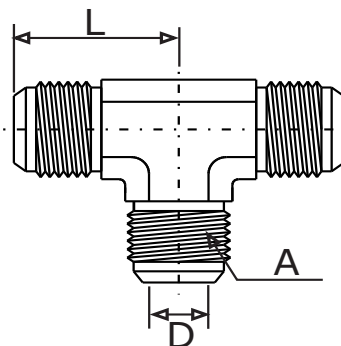
070201



Ref.	Tubo 1 O.D.	Rosca UNF	Tubo 2 O.D.	Rosca UNF	M	M1	D	D1
070201-4-4 S	1/4	7/16-20	1/4	7/16-20	23	23	4	4
070201-5-5 S	5/16	1/2-20	5/16	1/2-20	24	24	6	6
070201-6-4 S	3/8	9/16-18	1/4	7/16-20	27	27	8	4
070201-6-6 S	3/8	9/16-18	3/8	9/16-18	27	27	8	8
070201-8-6 S	1/2	3/4-16	3/8	9/16-18	32	29	10	8
070201-8-8 S	1/2	3/4-16	1/2	3/4-16	32	32	10	10
070201-10-8 S	5/8	7/8-14	1/2	3/4-16	37	34	12	10
070201-10-10 S	5/8	7/8-14	5/8	7/8-14	37	37	12	12
070201-12-8 S	3/4	1.1/16-12	1/2	3/4-16	42	42	16	10
070201-12-10 S	3/4	1.1/16-12	5/8	7/8-14	42	39	16	12
070201-12-12 S	3/4	1.1/16-12	3/4	1.1/16-12	42	42	16	16
070201-14-14 S	7/8	1.3/16-12	7/8	1.3/16-12	44	44	18	18
070201-16-12 S	1	1.5/16-12	3/4	1.1/16-12	46	45	22	16
070201-16-16 S	1	1.5/16-12	1	1.5/16-12	46	46	22	22
070201-20-20 S	1.1/4	1.5/8-12	1.1/4	1.5/8-12	52	52	28	28
070201-24-24 S	1.1/2	1.7/8-12	1.1/2	1.7/8-12	59	59	33	33
070201-32-32 S	2	2.1/2-12	2	2.1/2-12	78	78	45	45

Te (Union Tee)

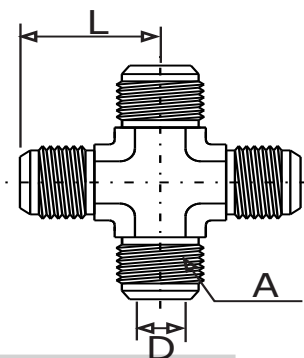
070401



Ref.	Tubo	Rosca A UNF	L	D
070401-4-4-4 S	1/4	7/16-20	23	4
070401-5-5-5 S	5/16	1/2-20	24	6
070401-6-6-6 S	3/8	9/16-18	27	8
070401-8-8-8 S	1/2	3/4-16	32	10
070401-10-10-10 S	5/8	7/8-14	37	12
070401-12-12-12 S	3/4	1.1/16-12	42	16
070401-14-14-14 S	7/8	1.3/16-12	44	18
070401-16-16-16 S	1	1.5/16-12	46	22
070401-20-20-20 S	1.1/4	1.5/8-12	52	28
070401-24-24-24 S	1.1/2	1.7/8-12	59	33
070401-32-32-32 S	2	2.1/2-12	78	45

Cruzeta (Union Cross)

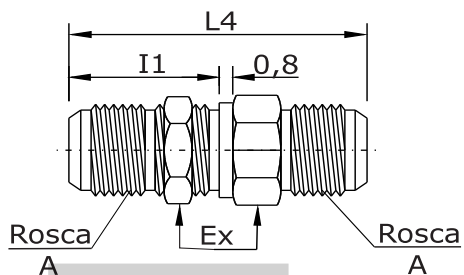
070501



Ref.	Tubo	Rosca A UNF	L	D
070501-4-4-4-4 S	1/4	7/16-20	23	4
070501-5-5-5-5 S	5/16	1/2-20	24	6
070501-6-6-6-6 S	3/8	9/16-18	27	8
070501-8-8-8-8 S	1/2	3/4-16	32	10
070501-10-10-10-10 S	5/8	7/8-14	37	12
070501-12-12-12-12 S	3/4	1.1/16-12	42	16
070501-14-14-14-14 S	7/8	1.3/16-12	44	18
070501-16-16-16-16 S	1	1.5/16-12	46	22
070501-20-20-20-20 S	1.1/4	1.5/8-12	52	28
070501-24-24-24-24 S	1.1/2	1.7/8-12	59	33
070501-32-32-32-32 S	2	2.1/2-12	78	45

União Dupla Igual Painéis (Bulkhead Union)

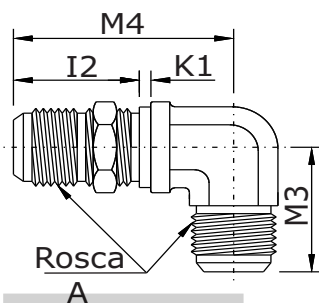
070601



Ref.	Tubo	Rosca A UNF	L4	I1	Ex
070601-4-4 S	1/4	7/16-20	53	31	11/16
070601-5-5 S	5/16	1/2-20	53	31	3/4
070601-6-6 S	3/8	9/16-18	55	33	13/16
070601-8-8 S	1/2	3/4-16	62	37	1
070601-10-10 S	5/8	7/8-14	70	40	1.1/8
070601-12-12 S	3/4	1.1/16-12	79	44	1.3/8
070601-14-14 S	7/8	1.3/16-12	80	44	1.1/2
070601-16-16 S	1	1.5/16-12	80	44	1.5/8
070601-20-20 S	1.1/4	1.5/8-12	84	46	1.7/8
070601-24-24 S	1.1/2	1.7/8-12	89	46	2.1/4
070601-32-32 S	2	2.1/2-12	107	53	2.3/4

Joelho Igual Painéis (Bulkhead Union Elbow)

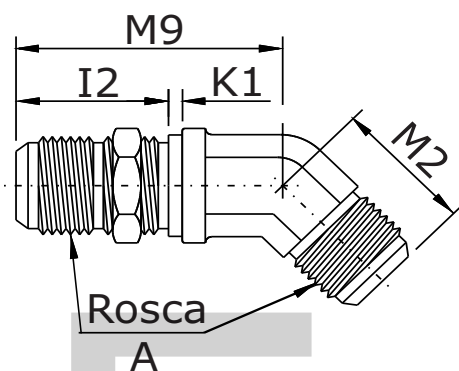
070701



Ref.	Tubo	Rosca A UNF	M3	M4	I2	K1
070701-4-4 S	1/4	7/16-20	25	40	26	2,4
070701-5-5 S	5/16	1/2-20	27	44	26	2,4
070701-6-6 S	3/8	9/16-18	28	46	28	2,4
070701-8-8 S	1/2	3/4-16	36	54	32	3,2
070701-10-10 S	5/8	7/8-14	40	61	35	3,2
070701-12-12 S	3/4	1.1/16-12	45	68	40	3,2
070701-14-14 S	7/8	1.3/16-12	49	71	40	3,2
070701-16-16 S	1	1.5/16-12	49	71	40	3,2
070701-20-20 S	1.1/4	1.5/8-12	55	80	41	3,2
070701-24-24 S	1.1/2	1.7/8-12	59	87	41	3,2
070701-32-32 S	2	2.1/2-12	73	105	49	3,2

**Curva 45° Igual Painéis
(45° Bulkhead Union Elbow)**

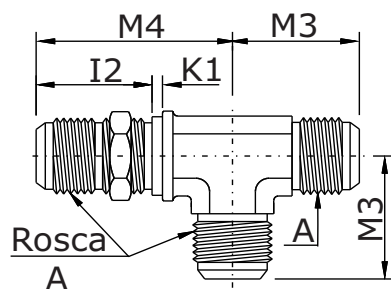
070801



Ref.	Tubo	Rosca A UNF	M2	M9	I2	K1
070801-4-4 S	1/4	7/16-20	18	39	26	2,4
070801-5-5 S	5/16	1/2-20	20	42	26	2,4
070801-6-6 S	3/8	9/16-18	21	42	28	2,4
070801-8-8 S	1/2	3/4-16	25	49	32	3,2
070801-10-10 S	5/8	7/8-14	28	55	35	3,2
070801-12-12 S	3/4	1.1/16-12	33	62	40	3,2
070801-14-14 S	7/8	1.3/16-12	35	64	40	3,2
070801-16-16 S	1	1.5/16-12	37	65	40	3,2
070801-20-20 S	1.1/4	1.5/8-12	40	67	41	3,2
070801-24-24 S	1.1/2	1.7/8-12	45	68	41	3,2
070801-32-32 S	2	2.1/2-12	56	74	49	3,2

Te Vertical para Painéis (Bulkhead Run Tee)

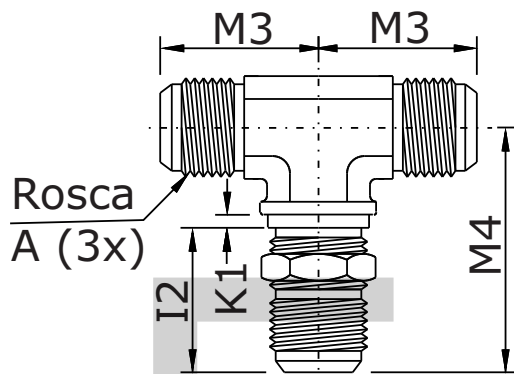
070958



Ref.	Tubo	Rosca A UNF	M3	M4	I2	K1
070958-4-4-4 S	1/4	7/16-20	25	40	26	2,4
070958-5-5-5 S	5/16	1/2-20	27	44	26	2,4
070958-6-6-6 S	3/8	9/16-18	28	46	28	2,4
070958-8-8-8 S	1/2	3/4-16	36	54	32	3,2
070958-10-10-10 S	5/8	7/8-14	40	61	35	3,2
070958-12-12-12 S	3/4	1.1/16-12	45	68	40	3,2
070958-14-14-14 S	7/8	1.3/16-12	49	71	40	3,2
070958-16-16-16 S	1	1.5/16-12	49	71	40	3,2
070958-20-20-20 S	1.1/4	1.5/8-12	55	80	41	3,2
070958-24-24-24 S	1.1/2	1.7/8-12	59	87	41	3,2
070958-32-32-32 S	2	2.1/2-12	73	105	49	3,2

**Te Igual para Painéis
(Bulkhead Branch Tee)**

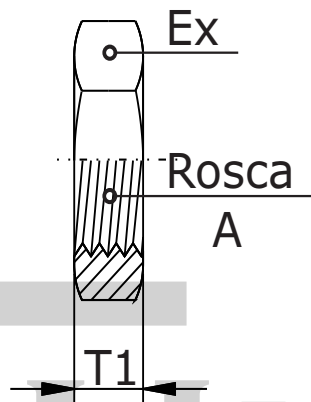
070959



Ref.	Tubo	Rosca A UNF	M3	M4	I2	K1
070959-4-4-4 S	1/4	7/16-20	25	40	26	2,4
070959-5-5-5 S	5/16	1/2-20	27	44	26	2,4
070959-6-6-6 S	3/8	9/16-18	28	46	28	2,4
070959-8-8-8 S	1/2	3/4-16	36	54	32	3,2
070959-10-10-10 S	5/8	7/8-14	40	61	35	3,2
070959-12-12-12 S	3/4	1.1/16-12	45	68	40	3,2
070959-14-14-14 S	7/8	1.3/16-12	49	71	40	3,2
070959-16-16-16 S	1	1.5/16-12	49	71	40	3,2
070959-20-20-20 S	1.1/4	1.5/8-12	55	80	41	3,2
070959-24-24-24 S	1.1/2	1.7/8-12	59	87	41	3,2
070959-32-32-32 S	2	2.1/2-12	73	105	49	3,2

**Contra-Porca
(Bulkhead Locknut)**

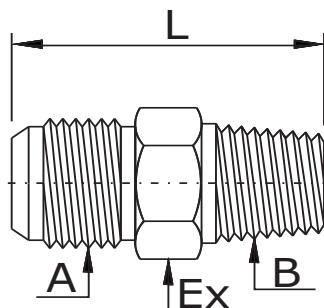
070118



Ref.	Tubo	Rosca A UNF	T1	Ex
070118-4 S	1/4	7/16-20	6	11/16
070118-5 S	5/16	1/2-20	7	3/4
070118-6 S	3/8	9/16-18	7	13/16
070118-8 S	1/2	3/4-16	7	1
070118-10 S	5/8	7/8-14	8	1.1/8
070118-12 S	3/4	1.1/16-12	9	1.3/8
070118-14 S	7/8	1.3/16-12	10	1.1/2
070118-16 S	1	1.5/16-12	10	1.5/8
070118-20 S	1.1/4	1.5/8-12	10	1.7/8
070118-24 S	1.1/2	1.7/8-12	10	2.1/4
070118-32 S	2	2.1/2-12	10	2.3/4

**União Macho NPT (ANSI/ASME B 1.20.1)
(Male Stud Connector)**

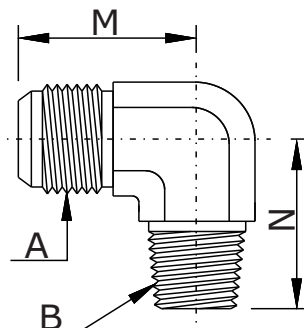
070102



Ref.	Tubo	Rosca A UNF	Rosca B NPT	L	Ex
070102-4-2 S	1/4	7/16-20	1/8	31	1/2
070102-4-4 S	1/4	7/16-20	1/4	36	9/16
070102-4-8 S	1/4	7/16-20	1/2	43	7/8
070102-5-2 S	5/16	1/2-20	1/8	31	9/16
070102-5-4 S	5/16	1/2-20	1/4	36	9/16
070102-6-2 S	3/8	9/16-18	1/8	32	5/8
070102-6-4 S	3/8	9/16-18	1/4	36	5/8
070102-6-6 S	3/8	9/16-18	3/8	36	3/4
070102-6-8 S	3/8	9/16-18	1/2	43	7/8
070102-8-4 S	1/2	3/4-16	1/4	39	13/16
070102-8-6 S	1/2	3/4-16	3/8	39	13/16
070102-8-8 S	1/2	3/4-16	1/2	46	7/8
070102-8-12 S	1/2	3/4-16	3/4	47	1.1/8
070102-10-6 S	5/8	7/8-14	3/8	43	15/16
070102-10-8 S	5/8	7/8-14	1/2	48	15/16
070102-10-12 S	5/8	7/8-14	3/4	50	1.1/8
070102-12-8 S	3/4	1.1/16-12	1/2	52	1.1/8
070102-12-12 S	3/4	1.1/16-12	3/4	53	1.1/8
070102-12-16 S	3/4	1.1/16-12	1	58	1.3/8
070102-14-12 S	7/8	1.3/16-12	3/4	53	1.1/4
070102-16-12 S	1	1.5/16-12	3/4	54	1.3/8
070102-16-16 S	1	1.5/16-12	1	58	1.3/4
070102-20-16 S	1.1/4	1.5/8-12	1	61	1.11/16
070102-20-20 S	1.1/4	1.5/8-12	1.1/4	62	1.11/16
070102-24-20 S	1.1/2	1.7/8-12	1.1/4	67	2
070102-24-24 S	1.1/2	1.7/8-12	1.1/2	68	2
070102-32-32 S	2	2.1/2-12	2	79	2.5/8

Joelho Macho NPT (ANSI/ASME B 1.20.1) (Male Stud elbow)

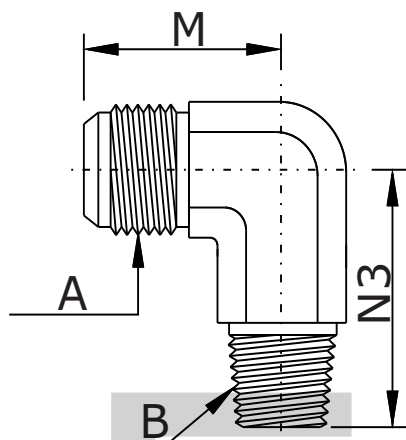
070202



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M	N
070202-4-2 S	1/4	7/16-20	1/8	23	20
070202-4-4 S	1/4	7/16-20	1/4	27	28
070202-4-6 S	1/4	7/16-20	3/8	29	31
070202-4-8 S	1/4	7/16-20	1/2	31	37
070202-5-2 S	5/16	1/2-20	1/8	24	20
070202-5-4 S	5/16	1/2-20	1/4	27	28
070202-5-6 S	5/16	1/2-20	3/8	29	31
070202-6-2 S	3/8	9/16-18	1/8	27	23
070202-6-4 S	3/8	9/16-18	1/4	27	28
070202-6-6 S	3/8	9/16-18	3/8	29	31
070202-6-8 S	3/8	9/16-18	1/2	31	37
070202-8-4 S	1/2	3/4-16	1/4	32	31
070202-8-6 S	1/2	3/4-16	3/8	32	31
070202-8-8 S	1/2	3/4-16	1/2	34	37
070202-8-12 S	1/2	3/4-16	3/4	36	40
070202-10-6 S	5/8	7/8-14	3/8	37	33
070202-10-8 S	5/8	7/8-14	1/2	37	37
070202-10-12 S	5/8	7/8-14	3/4	39	40
070202-12-8 S	3/4	1.1/16-12	1/2	42	40
070202-12-12 S	3/4	1.1/16-12	3/4	42	40
070202-12-16 S	3/4	1.1/16-12	1	45	50
070202-14-12 S	7/8	1.3/16-12	3/4	46	43
070202-16-12 S	1	1.5/16-12	3/4	46	45
070202-16-16 S	1	1.5/16-12	1	46	50
070202-16-20 S	1	1.5/16-12	1.1/4	54	61
070202-20-16 S	1.1/4	1.5/8-12	1	52	60
070202-20-20 S	1.1/4	1.5/8-12	1.1/4	52	61
070202-20-24 S	1.1/4	1.5/8-12	1.1/2	56	67
070202-24-20 S	1.1/2	1.7/8-12	1.1/4	59	57
070202-24-24 S	1.1/2	1.7/8-12	1.1/2	59	67
070202-32-24 S	2	2.1/2-12	1.1/2	78	75
070202-32-32 S	2	2.1/2-12	2	78	76

Joelho Macho Longo NPT (ANSI/ASME B 1.20.1)
(Extendet Male Stud elbow)

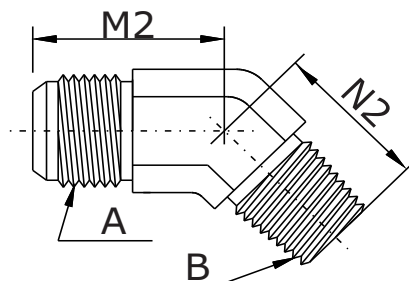
071502



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M	N3
071502-4-2 S	1/4	7/16-20	1/8	23	30
071502-4-4 S	1/4	7/16-20	1/4	27	37
071502-5-2 S	5/16	1/2-20	1/8	24	30
071502-6-4 S	3/8	9/16-18	1/4	27	40
071502-6-6 S	3/8	9/16-18	3/8	29	46
071502-8-6 S	1/2	3/4-16	3/8	32	45
071502-8-8 S	1/2	3/4-16	1/2	34	55
071502-10-8 S	5/8	7/8-14	1/2	37	55
071502-12-12 S	3/4	1.1/16-12	3/4	42	61
071502-16-16 S	1	1.5/16-12	1	46	76
071502-20-20 S	1.1/4	1.5/8-12	1.1/4	52	93

**Curva 45° Macho NPT (ANSI/ASME B 1.20.1)
(45° Male Stud elbow)**

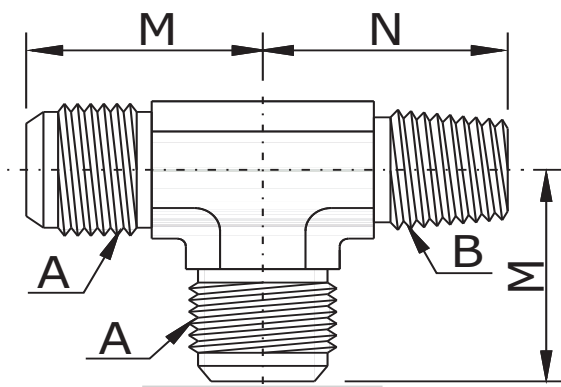
070302



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M2	N2
070302-4-2 S	1/4	7/16-20	1/8	18	16
070302-4-4 S	1/4	7/16-20	1/4	21	22
070302-5-2 S	5/16	1/2-20	1/8	20	16
070302-5-4 S	5/16	1/2-20	1/4	21	22
070302-6-2 S	3/8	9/16-18	1/8	21	17
070302-6-4 S	3/8	9/16-18	1/4	21	22
070302-6-6 S	3/8	9/16-18	3/8	22	24
070302-6-8 S	3/8	9/16-18	1/2	22	30
070302-8-4 S	1/2	3/4-16	1/4	25	24
070302-8-6 S	1/2	3/4-16	3/8	25	24
070302-8-8 S	1/2	3/4-16	1/2	25	30
070302-8-12 S	1/2	3/4-16	3/4	26	31
070302-10-6 S	5/8	7/8-14	3/8	28	25
070302-10-8 S	5/8	7/8-14	1/2	28	30
070302-10-12 S	5/8	7/8-14	3/4	30	31
070302-12-8 S	3/4	1.1/16-12	1/2	36	31
070302-12-12 S	3/4	1.1/16-12	3/4	33	31
070302-12-16 S	3/4	1.1/16-12	1	36	38
070302-14-12 S	7/8	1.3/16-12	3/4	35	32
070302-16-12 S	1	1.5/16-12	3/4	33	33
070302-16-16 S	1	1.5/16-12	1	38	33
070302-20-20 S	1.1/4	1.5/8-12	1.1/4	40	42
070302-24-24 S	1.1/2	1.7/8-12	1.1/2	45	45

Te Vertical Macho NPT (ANSI/ASME B 1.20.1)
(Male Stud run tee)

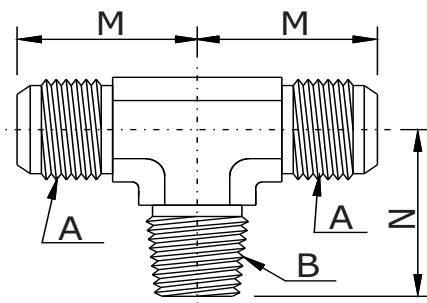
070424



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M	N
070424-4-2-4 S	1/4	7/16-20	1/8	23	20
070424-4-4-4 S	1/4	7/16-20	1/4	27	28
070424-5-2-5 S	5/16	1/2-20	1/8	25	21
070424-6-4-6 S	3/8	9/16-18	1/4	27	28
070424-6-6-6 S	3/8	9/16-18	3/8	29	31
070424-8-6-8 S	1/2	3/4-16	3/8	32	31
070424-8-8-8 S	1/2	3/4-16	1/2	34	37
070424-10-8-10 S	5/8	7/8-14	1/2	37	37
070424-12-12-12 S	3/4	1.1/16-12	3/4	42	40
070424-14-12-14 S	3/4	1.3/16-12	3/4	46	43
070424-16-16-16 S	1	1.5/16-12	1	46	50
070424-20-20-20 S	1.1/4	1.5/8-12	1.1/4	52	61
070424-24-24-24 S	1.1/2	1.5/8-12	1.1/2	59	67

Te Macho NPT (ANSI/ASME B 1.20.1)
(Male Stud branch tee)

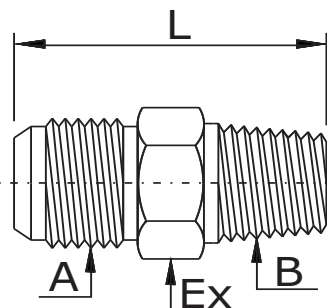
070425



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M	N
070425-4-4-2 S	1/4	7/16-20	1/8	23	20
070425-4-4-4 S	1/4	7/16-20	1/4	27	28
070425-5-5-2 S	5/16	1/2-20	1/8	24	20
070425-6-6-4 S	3/8	9/16-18	1/4	27	28
070425-6-6-6 S	3/8	9/16-18	3/8	29	31
070425-8-8-6 S	1/2	3/4-16	3/8	32	31
070425-8-8-8 S	1/2	3/4-16	1/2	34	37
070425-10-10-8 S	5/8	7/8-14	1/2	37	37
070425-12-12-12 S	3/4	1.1/16-12	3/4	42	40
070425-14-14-12 S	3/4	1.3/16-12	3/4	46	43
070425-16-16-16 S	1	1.5/16-12	1	46	50
070425-20-20-20 S	1.1/4	1.5/8-12	1.1/4	52	61
070425-24-24-24 S	1.1/2	1.5/8-12	1.1/2	59	67

União Macho BSPT (ISO 7)
(Male Stud Connector)

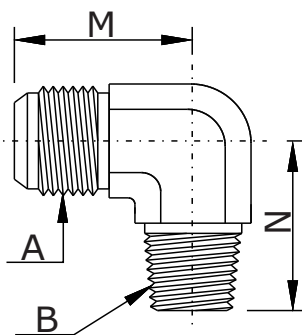
070102...BSPT



Ref.	Tubo	Rosca A UNF	Rosca B BSPT	L	Ex
070102-4X1/8 BSPT S	1/4	7/16-20	1/8	31	1/2
070102-4X1/4 BSPT S	1/4	7/16-20	1/4	36	9/16
070102-5X1/8 BSPT S	5/16	1/2-20	1/8	31	9/16
070102-5X1/4 BSPT S	5/16	1/2-20	1/4	36	9/16
070102-6X1/4 BSPT S	3/8	9/16-18	1/4	36	5/8
070102-6X3/8 BSPT S	3/8	9/16-18	3/8	36	3/4
070102-6X1/2 BSPT S	3/8	9/16-18	1/2	43	7/8
070102-8X1/4 BSPT S	1/2	3/4-16	1/4	39	13/16
070102-8X3/8 BSPT S	1/2	3/4-16	3/8	39	13/16
070102-8X1/2 BSPT S	1/2	3/4-16	1/2	46	7/8
070102-10X3/8 BSPT S	5/8	7/8-14	3/8	43	15/16
070102-10X1/2 BSPT S	5/8	7/8-14	1/2	48	15/16
070102-10X3/4 BSPT S	5/8	7/8-14	3/4	50	1.1/8
070102-12X1/2 BSPT S	3/4	1.1/16-12	1/2	52	1.1/8
070102-12X3/4 BSPT S	3/4	1.1/16-12	3/4	53	1.1/8
070102-12X1 BSPT S	3/4	1.1/16-12	1	58	1.3/8
070102-16X3/4 BSPT S	1	1.5/16-12	3/4	54	1.3/8
070102-16X1 BSPT S	1	1.5/16-12	1	58	1.3/4
070102-20X1 BSPT S	1.1/4	1.5/8-12	1	61	1.11/16
070102-20X1.1/4 BSPT S	1.1/4	1.5/8-12	1.1/4	62	1.11/16
070102-24X1.1/4 BSPT S	1.1/2	1.7/8-12	1.1/4	67	2
070102-24X1.1/2 BSPT S	1.1/2	1.7/8-12	1.1/2	68	2

Joelho Macho BSPT (ISO 7) (Male Stud elbow)

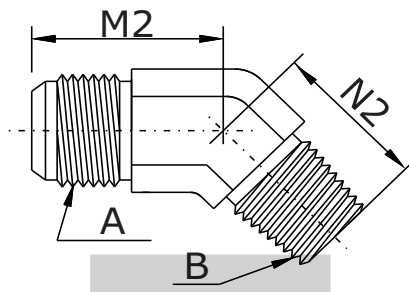
070202...BSPT



Ref.	Tubo	Rosca A UNF	Rosca B BSPT	M	N
070202-4X1/8 BSPT S	1/4	7/16-20	1/8	23	20
070202-4X1/4 BSPT S	1/4	7/16-20	1/4	27	28
070202-5X1/8 BSPT S	5/16	1/2-20	1/8	24	20
070202-5X1/4 BSPT S	5/16	1/2-20	1/4	27	28
070202-6X1/4 BSPT S	3/8	9/16-18	1/4	27	28
070202-6X3/8 BSPT S	3/8	9/16-18	3/8	29	31
070202-6X1/2 BSPT S	3/8	9/16-18	1/2	31	37
070202-8X1/4 BSPT S	1/2	3/4-16	1/4	32	31
070202-8X3/8 BSPT S	1/2	3/4-16	3/8	32	31
070202-8X1/2 BSPT S	1/2	3/4-16	1/2	34	37
070202-10X3/8 BSPT S	5/8	7/8-14	3/8	37	33
070202-10X1/2 BSPT S	5/8	7/8-14	1/2	37	37
070202-10X3/4 BSPT S	5/8	7/8-14	3/4	39	40
070202-12X1/2 BSPT S	3/4	1.1/16-12	1/2	42	40
070202-12X3/4 BSPT S	3/4	1.1/16-12	3/4	42	40
070202-12X1 BSPT S	3/4	1.1/16-12	1	45	50
070202-16X3/4 BSPT S	1	1.5/16-12	3/4	46	45
070202-16X1 BSPT S	1	1.5/16-12	1	46	50
070202-20X1 BSPT S	1.1/4	1.5/8-12	1	52	60
070202-20X1.1/4 BSPT S	1.1/4	1.5/8-12	1.1/4	52	61
070202-24X1.1/2 BSPT S	1.1/2	1.7/8-12	1.1/2	59	67
070202-32X2 BSPT S	2	2.1/2-12	2	78	76

**Curva 45° Macho BSPT (ISO 7)
(45° Male Stud elbow)**

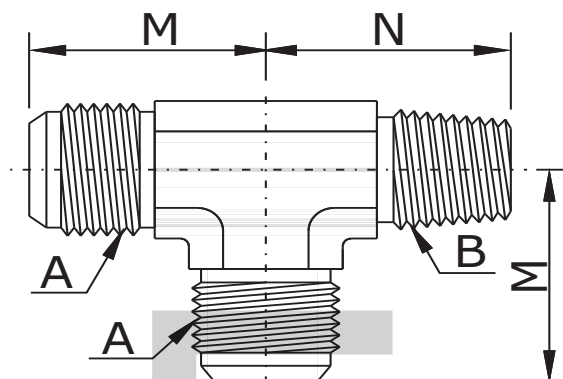
070302...BSPT



Ref.	Tubo	Rosca A UNF	Rosca B BSPT	M2	N2
070302-4X1/8 BSPT S	1/4	7/16-20	1/8	18	16
070302-4X1/4 BSPT S	1/4	7/16-20	1/4	21	22
070302-5X1/8 BSPT S	5/16	1/2-20	1/8	20	16
070302-5X1/4 BSPT S	5/16	1/2-20	1/4	21	22
070302-6X1/4 BSPT S	3/8	9/16-18	1/4	21	22
070302-6X3/8 BSPT S	3/8	9/16-18	3/8	22	24
070302-6X1/2 BSPT S	3/8	9/16-18	1/2	22	30
070302-8X3/8 BSPT S	1/2	3/4-16	3/8	25	24
070302-8X1/2 BSPT S	1/2	3/4-16	1/2	25	30
070302-10X1/2 BSPT S	5/8	7/8-14	1/2	28	30
070302-12X3/4 BSPT S	3/4	1.1/16-12	3/4	33	31
070302-16X1 BSPT S	1	1.5/16-12	1	38	33
070302-20X1.1/4 BSPT S	1.1/4	1.5/8-12	1.1/4	40	42
070302-24X1.1/2 BSPT S	1.1/2	1.7/8-12	1.1/2	45	45

**Te Vertical Macho BSPT (ISO 7)
(Male Stud run tee)**

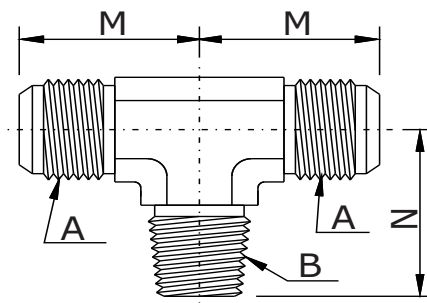
070424...BSPT



Ref.	Tubo	Rosca A UNF	Rosca B BSPT	M	N
070424-4X1/8 BSPT-4 S	1/4	7/16-20	1/8	23	20
070424-4X1/4 BSPT-4 S	1/4	7/16-20	1/4	27	28
070424-5X1/8 BSPT-5 S	5/16	1/2-20	1/8	25	21
070424-6X1/4 BSPT-6 S	3/8	9/16-18	1/4	27	28
070424-6X3/8 BSPT-6 S	3/8	9/16-18	3/8	29	31
070424-8X3/8 BSPT-8 S	1/2	3/4-16	3/8	32	31
070424-8X1/2 BSPT-8 S	1/2	3/4-16	1/2	34	37
070424-10X1/2 BSPT-10 S	5/8	7/8-14	1/2	37	37
070424-12X3/4 BSPT-12 S	3/4	1.1/16-12	3/4	42	40
070424-16X1 BSPT-16 S	1	1.5/16-12	1	46	50
070424-20X1.1/4 BSPT-20 S	1.1/4	1.5/8-12	1.1/4	52	61
070424-24X1.1/2 BSPT-24 S	1.1/2	1.5/8-12	1.1/2	59	67

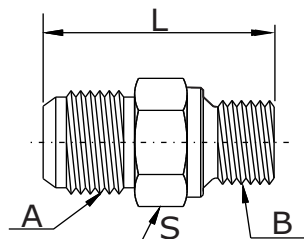
**Te Macho BSPT (ISO 7)
(Male Stud branch tee)**

070425...BSPT



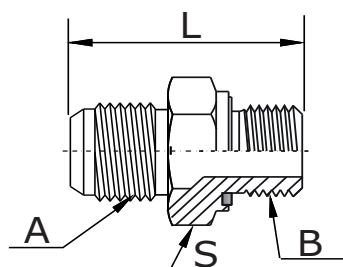
Ref.	Tubo	Rosca A UNF	Rosca B BSPT	M	N
070425-4-4X1/8 BSPT S	1/4	7/16-20	1/8	23	20
070425-4-4X1/4 BSPT S	1/4	7/16-20	1/4	27	28
070425-5-5X1/8 BSPT S	5/16	1/2-20	1/8	24	20
070425-6-6X1/4 BSPT S	3/8	9/16-18	1/4	27	28
070425-6-6X3/8 BSPT S	3/8	9/16-18	3/8	29	31
070425-8-8X3/8 BSPT S	1/2	3/4-16	3/8	32	31
070425-8-8X1/2 BSPT S	1/2	3/4-16	1/2	34	37
070425-10-10X1/2 BSPT S	5/8	7/8-14	1/2	37	37
070425-12-12X3/4 BSPT S	3/4	1.1/16-12	3/4	42	40
070425-16-16X1 BSPT S	1	1.5/16-12	1	46	50
070425-20-20X1.1/4 BSPT S	1.1/4	1.5/8-12	1.1/4	52	61
070425-24-24X1.1/2 BSPT S	1.1/2	1.5/8-12	1.1/2	59	67

União Macho BSP (ISO 1179)
(Male Stud Connector)
070120...BSP



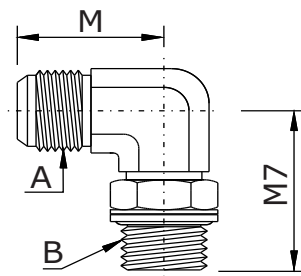
Ref.	Tubo	Rosca A UNF	Rosca B BSP	L	S
070120-4X1/8 BSP S	1/4	7/16-20	1/8	28	11/16
070120-4X1/4 BSP S	1/4	7/16-20	1/4	32	3/4
070120-4X3/8 BSP S	1/4	7/16-20	3/8	33	7/8
070120-4X1/2 BSP S	1/4	7/16-20	1/2	39	1.3/16
070120-5X1/8 BSP S	5/16	1/2-20	1/8	28	11/16
070120-5X1/4 BSP S	5/16	1/2-20	1/4	32	3/4
070120-5X3/8 BSP S	5/16	1/2-20	3/8	33	7/8
070120-6X1/8 BSP S	3/8	9/16-18	1/8	29	11/16
070120-6X1/4 BSP S	3/8	9/16-18	1/4	33	3/4
070120-6X3/8 BSP S	3/8	9/16-18	3/8	33	7/8
070120-6X1/2 BSP S	3/8	9/16-18	1/2	38	1.3/16
070120-6X3/4 BSP S	3/8	9/16-18	3/4	40	1.3/8
070120-8X1/4 BSP S	1/2	3/4-16	1/4	35	3/4
070120-8X3/8 BSP S	1/2	3/4-16	3/8	36	7/8
070120-8X1/2 BSP S	1/2	3/4-16	1/2	41	1.3/16
070120-8X3/4 BSP S	1/2	3/4-16	3/4	42	1.3/8
070120-8X1 BSP S	1/2	3/4-16	1	47	1.13/16
070120-10X1/4 BSP S	5/8	7/8-14	1/4	39	15/16
070120-10X3/8 BSP S	5/8	7/8-14	3/8	39	15/16
070120-10X1/2 BSP S	5/8	7/8-14	1/2	43	1.3/16
070120-10X3/4 BSP S	5/8	7/8-14	3/4	45	1.3/8
070120-12X3/8 BSP S	3/4	1.1/16-12	3/8	44	1.1/16
070120-12X1/2 BSP S	3/4	1.1/16-12	1/2	47	1.3/16
070120-12X3/4 BSP S	3/4	1.1/16-12	3/4	48	1.3/8
070120-12X1 BSP S	3/4	1.1/16-12	1	53	1.13/16
070120-12X1.1/4 BSP S	3/4	1.1/16-12	1.1/4	53	2
070120-16X1/2 BSP S	1	1.5/16-12	1/2	49	1.3/8
070120-16X3/4 BSP S	1	1.5/16-12	3/4	49	1.3/8
070120-16X1 BSP S	1	1.5/16-12	1	54	1.13/16
070120-16X1.1/4 BSP S	1	1.5/16-12	1.1/4	55	2
070120-20X3/4 BSP S	1.1/4	1.5/8-12	3/4	51	1.13/16
070120-20X1 BSP S	1.1/4	1.5/8-12	1	55	1.13/16
070120-20X1.1/4 BSP S	1.1/4	1.5/8-12	1.1/4	56	2
070120-20X1.1/2 BSP S	1.1/4	1.5/8-12	1.1/2	57	2.1/4
070120-24X1.1/4 BSP S	1.1/2	1.7/8-12	1.1/4	60	2
070120-24X1.1/2 BSP S	1.1/2	1.7/8-12	1.1/2	61	2.1/4

União Macho BSP (ISO 1179)
(Male Stud Connector)
070120...BSP-Q



Ref.	Tubo	Rosca A UNF	Rosca B BSP-Q	L	S
070120-4X1/8 BSP-Q S	1/4	7/16-20	1/8	30	9/16
070120-4X1/4 BSP-Q S	1/4	7/16-20	1/4	35	3/4
070120-4X3/8 BSP-Q S	1/4	7/16-20	3/8	36	7/8
070120-4X1/2 BSP-Q S	1/4	7/16-20	1/2	39	1.1/16
070120-4X3/4 BSP-Q S	1/4	7/16-20	3/4	43	1.1/4
070120-5X1/8 BSP-Q S	5/16	1/2-20	1/8	30	9/16
070120-5X1/4 BSP-Q S	5/16	1/2-20	1/4	35	3/4
070120-5X3/8 BSP-Q S	5/16	1/2-20	3/8	36	7/8
070120-6X1/8 BSP-Q S	3/8	9/16-18	1/8	31	11/16
070120-6X1/4 BSP-Q S	3/8	9/16-18	1/4	35	3/4
070120-6X3/8 BSP-Q S	3/8	9/16-18	3/8	36	7/8
070120-6X1/2 BSP-Q S	3/8	9/16-18	1/2	40	1.1/16
070120-6X3/4 BSP-Q S	3/8	9/16-18	3/4	42	1.1/4
070120-8X1/4 BSP-Q S	1/2	3/4-16	1/4	39	3/4
070120-8X3/8 BSP-Q S	1/2	3/4-16	3/8	39	7/8
070120-8X1/2 BSP-Q S	1/2	3/4-16	1/2	42	1.1/16
070120-8X3/4 BSP-Q S	1/2	3/4-16	3/4	46	1.1/4
070120-8X1 BSP-Q S	1/2	3/4-16	1	53	1.5/8
070120-10X1/4 BSP-Q S	5/8	7/8-14	1/4	41	15/16
070120-10X3/8 BSP-Q S	5/8	7/8-14	3/8	43	15/16
070120-10X1/2 BSP-Q S	5/8	7/8-14	1/2	45	1.1/16
070120-10X3/4 BSP-Q S	5/8	7/8-14	3/4	48	1.1/4
070120-10X1 BSP-Q S	5/8	7/8-14	1	51	1.5/8
070120-12X3/8 BSP-Q S	3/4	1.1/16-12	3/8	50	1.1/16
070120-12X1/2 BSP-Q S	3/4	1.1/16-12	1/2	49	1.1/16
070120-12X3/4 BSP-Q S	3/4	1.1/16-12	3/4	51	1.1/4
070120-12X1 BSP-Q S	3/4	1.1/16-12	1	54	1.5/8
070120-12X1.1/4 BSP-Q S	3/4	1.1/16-12	1.1/4	62	2
070120-14X3/4 BSP-Q S	3/4	1.3/16-12	3/4	51	1.1/4
070120-16X1/2 BSP-Q S	1	1.5/16-12	1/2	51	1.5/8
070120-16X3/4 BSP-Q S	1	1.5/16-12	3/4	53	1.1/2
070120-16X1 BSP-Q S	1	1.5/16-12	1	55	1.5/8
070120-16X1.1/4 BSP-Q S	1	1.5/16-12	1.1/4	59	2
070120-20X3/4 BSP-Q S	1.1/4	1.5/8-12	3/4	59	1.13/16
070120-20X1 BSP-Q S	1.1/4	1.5/8-12	1	62	1.13/16
070120-20X1.1/4 BSP-Q S	1.1/4	1.5/8-12	1.1/4	60	2
070120-20X1.1/2 BSP-Q S	1.1/4	1.5/8-12	1.1/2	64	2.1/4
070120-24X1 BSP-Q S	1.1/2	1.7/8-12	1	63	2
070120-24X1.1/4 BSP-Q S	1.1/2	1.7/8-12	1.1/4	62	2
070120-24X1.1/2 BSP-Q S	1.1/2	1.7/8-12	1.1/2	67	2.1/4

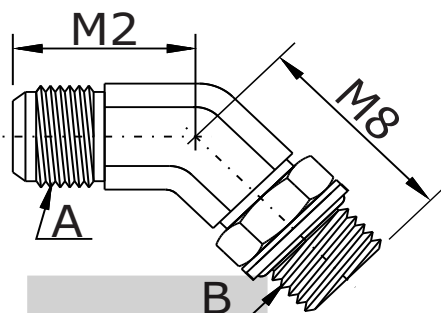
Joelho Macho BSP (ISO 1179)
(Male Stud elbow)
070220...BSP



Ref.	Tubo	Rosca A UNF	Rosca B BSP	M	M7
070220-4X1/8 BSP S	1/4	7/16-20	1/8	23	27
070220-4X1/4 BSP S	1/4	7/16-20	1/4	27	32
070220-4X3/8 BSP S	1/4	7/16-20	3/8	29	37
070220-5X1/8 BSP S	5/16	1/2-20	1/8	24	27
070220-5X1/4 BSP S	5/16	1/2-20	1/4	27	32
070220-5X3/8 BSP S	5/16	1/2-20	3/8	29	37
070220-6X1/8 BSP S	3/8	9/16-18	1/8	27	28
070220-6X1/4 BSP S	3/8	9/16-18	1/4	27	32
070220-6X3/8 BSP S	3/8	9/16-18	3/8	29	37
070220-6X1/2 BSP S	3/8	9/16-18	1/2	31	43
070220-8X1/4 BSP S	1/2	3/4-16	1/4	32	37
070220-8X3/8 BSP S	1/2	3/4-16	3/8	32	37
070220-8X1/2 BSP S	1/2	3/4-16	1/2	34	43
070220-8X3/4 BSP S	1/2	3/4-16	3/4	36	50
070220-10X3/8 BSP S	5/8	7/8-14	3/8	37	36
070220-10X1/2 BSP S	5/8	7/8-14	1/2	37	43
070220-10X3/4 BSP S	5/8	7/8-14	3/4	39	50
070220-12X1/2 BSP S	3/4	1.1/16-12	1/2	42	50
070220-12X3/4 BSP S	3/4	1.1/16-12	3/4	42	50
070220-12X1 BSP S	3/4	1.1/16-12	1	45	52
070220-16X3/4 BSP S	1	1.5/16-12	3/4	46	47
070220-16X1 BSP S	1	1.5/16-12	1	46	52
070220-20X1 BSP S	1.1/4	1.5/8-12	1	52	57
070220-20X1.1/4 BSP S	1.1/4	1.5/8-12	1.1/4	52	57
070220-24X1.1/4 BSP S	1.1/2	1.7/8-12	1.1/4	59	61
070220-24X1.1/2 BSP S	1.1/2	1.7/8-12	1.1/2	59	61

**Curva Macho BSP (ISO 1179)
(45° Male Stud elbow)**

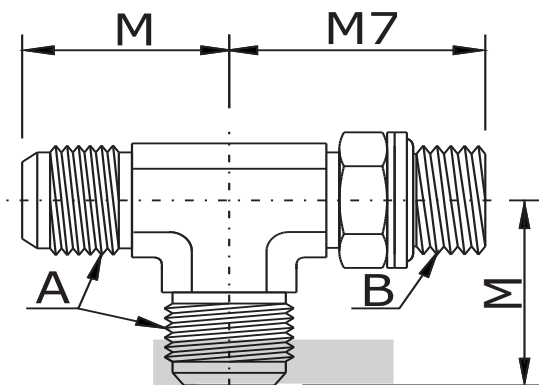
070320...BSP



Ref.	Tubo	Rosca A UNF	Rosca B BSP	M2	M8
070320-4X1/8 BSP S	1/4	7/16-20	1/8	18	27
070320-4X1/4 BSP S	1/4	7/16-20	1/4	21	29
070320-5X1/8 BSP S	5/16	1/2-20	1/8	20	27
070320-5X1/4 BSP S	5/16	1/2-20	1/4	21	27
070320-6X1/4 BSP S	3/8	9/16-18	1/4	21	29
070320-6X3/8 BSP S	3/8	9/16-18	3/8	22	33
070320-6X1/2 BSP S	3/8	9/16-18	1/2	22	39
070320-8X3/8 BSP S	1/2	3/4-16	3/8	25	33
070320-8X1/2 BSP S	1/2	3/4-16	1/2	25	39
070320-10X1/2 BSP S	5/8	7/8-14	1/2	28	39
070320-10X3/4 BSP S	5/8	7/8-14	3/4	30	44
070320-12X3/4 BSP S	3/4	1.1/16-12	3/4	33	44
070320-16X1 BSP S	1	1.5/16-12	1	37	47
070320-20X1.1/4 BSP S	1.1/4	1.5/8-12	1.1/4	40	48
070320-24X1.1/2 BSP S	1.1/2	1.7/8-12	1.1/2	45	48

Te Vertical Macho BSP (ISO 1179)
(Male Stud run tee)

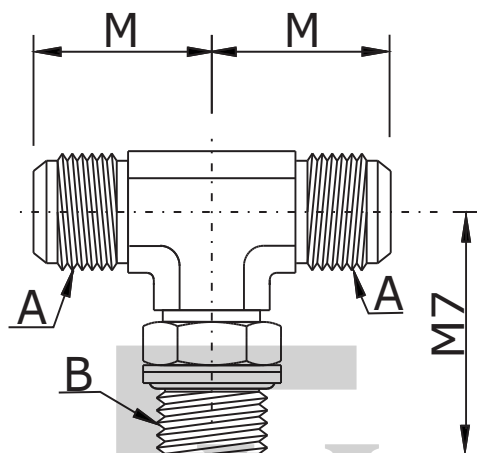
070428...BSP



Ref.	Tubo	Rosca A UNF	Rosca B BSP	M	M7
070428-4X1/8 BSP-4 S	1/4	7/16-20	1/8	23	27
070428-6X1/4 BSP-6 S	3/8	9/16-18	1/4	27	32
070428-8X3/8 BSP-8 S	1/2	3/4-16	3/8	32	37
070428-10X1/2 BSP-10 S	5/8	7/8-14	1/2	37	43
070428-12X3/4 BSP-12 S	3/4	1.1/16-12	3/4	42	50
070428-16X1 BSP-16 S	1	1.5/16-12	1	46	52
070428-20X1.1/4 BSP-20 S	1.1/4	1.5/8-12	1.1/4	52	57

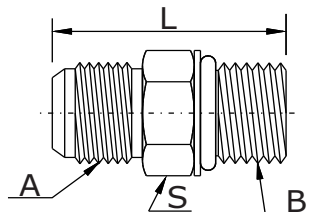
**Te Vertical Macho BSP (ISO 1179)
(Male Stud branch tee)**

070429...BSP



Ref.	Tubo	Rosca A UNF	Rosca B BSP	M	M7
070429-4-4X1/8 BSP S	1/4	7/16-20	1/8	23	27
070429-6-6X1/4 BSP S	3/8	9/16-18	1/4	27	32
070429-8-8X3/8 BSP S	1/2	3/4-16	3/8	32	37
070429-8-8X1/2 BSP S	1/2	3/4-16	1/2	34	44
070429-10-10X1/2 BSP S	5/8	7/8-14	1/2	37	43
070429-12-12X3/4 BSP S	3/4	1.1/16-12	3/4	42	50
070429-16-16X1 BSP S	1	1.5/16-12	1	46	52
070429-20-20X1.1/4 BSP S	1.1/4	1.5/8-12	1.1/4	52	57

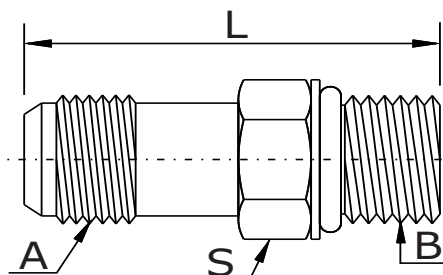
**União Macho UN/UNF (ISO 11926)
(Male Stud Connector UN/UNF thread)
070120...**



Ref.	Tubo	Rosca A UNF	Rosca B UN/UNF	L	S
070120-4-3 S	1/4	7/16-20	3/8-24	30	9/16
070120-4-4 S	1/4	7/16-20	7/16-20	31	9/16
070120-4-5 S	1/4	7/16-20	1/2-20	31	5/8
070120-4-6 S	1/4	7/16-20	9/16-18	33	11/16
070120-4-8 S	1/4	7/16-20	3/4-16	35	7/8
070120-4-10 S	1/4	7/16-20	7/8-14	38	1
070120-5-4 S	5/16	1/2-20	7/16-20	22	9/16
070120-5-5 S	5/16	1/2-20	1/2-20	22	5/8
070120-5-6 S	5/16	1/2-20	9/16-18	23	11/16
070120-5-8 S	5/16	1/2-20	3/4-16	24	7/8
070120-6-4 S	3/8	9/16-18	7/16-20	32	5/8
070120-6-5 S	3/8	9/16-18	1/2-20	32	5/8
070120-6-6 S	3/8	9/16-18	9/16-18	33	11/16
070120-6-8 S	3/8	9/16-18	3/4-16	35	7/8
070120-6-10 S	3/8	9/16-18	7/8-14	38	1
070120-6-12 S	3/8	9/16-18	1.1/16-12	42	1.1/4
070120-8-4 S	1/2	3/4-16	7/16-20	38	13/16
070120-8-6 S	1/2	3/4-16	9/16-18	37	3/4
070120-8-8 S	1/2	3/4-16	3/4-16	38	7/8
070120-8-10 S	1/2	3/4-16	7/8-14	41	1.1/16
070120-8-12 S	1/2	3/4-16	1.1/16-12	45	1.1/4
070120-8-16 S	1/2	3/4-16	1.5/16-12	45	1.5/8
070120-10-6 S	5/8	7/8-14	9/16-18	43	15/16
070120-10-8 S	5/8	7/8-14	3/4-16	42	15/16
070120-10-10 S	5/8	7/8-14	7/8-14	43	1.1/16
070120-10-12 S	5/8	7/8-14	1.1/16-12	47	1.1/4
070120-10-16 S	5/8	7/8-14	1.5/16-12	48	1.5/8
070120-12-8 S	3/4	1.1/16-12	3/4-16	49	1.1/8
070120-12-10 S	3/4	1.1/16-12	7/8-14	48	1.1/16
070120-12-12 S	3/4	1.1/16-12	1.1/16-12	50	1.1/4
070120-12-14 S	3/4	1.1/16-12	1.3/16-14	50	1.3/8
070120-12-16 S	3/4	1.1/16-12	1.5/16-12	51	1.5/8
070120-12-20 S	3/4	1.1/16-12	1.5/8-12	53	1.7/8
070120-14-14 S	7/8	1.3/16-12	1.3/16-12	51	1.3/8
070120-14-16 S	7/8	1.3/16-12	1.5/16-12	51	1.5/8
070120-16-8 S	1	1.5/16-12	3/4-16	45	1.3/8
070120-16-16 S	1	1.5/16-12	1.5/16-12	52	1.5/8

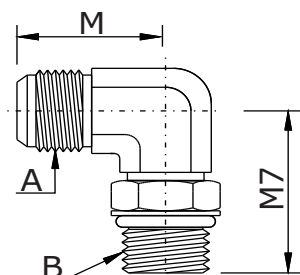
União Macho UN/UNF Longa (ISO 11926)
(Extended Male Stud Connector UN/UNF thread)

070122...



Ref.	Tubo	Rosca A UN/UNF	Rosca B UN/UNF	L	S
070122-4-4 S	1/4	7/16-20	7/16-20	53	9/16
070122-6-6 S	3/8	9/16-18	9/16-18	59	11/16
070122-8-8 S	1/2	3/4-16	3/4-16	69	7/8
070122-10-10 S	5/8	7/8-14	7/8-14	77	1
070122-12-10 S	3/4	1.1/16-12	7/8-14	89	1.1/16
070122-12-12 S	3/4	1.1/16-12	1.1/16-12	92	1.1/4
070122-16-16 S	1	1.5/16-12	1.5/16-12	101	1.5/8
070122-20-20 S	1.1/4	1.5/8-12	1.5/8-12	119	1.7/8

Joelho Macho UN/UNF Orientável (ISO 11926)
(Male Stud elbow
Adjustable UN/UNF thread)

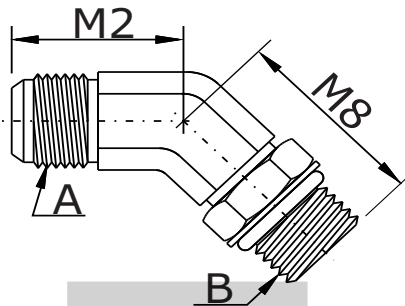


070220...

Ref.	Tubo	Rosca A UN/UNF	Rosca B UN/UNF	M	M7
070220-4-4 S	1/4	7/16-20	7/16-20	23	26
070220-4-6 S	1/4	7/16-20	9/16-18	27	32
070220-5-4 S	5/16	1/2-20	7/16-20	24	29
070220-5-5 S	5/16	1/2-20	1/2-20	24	29
070220-5-6 S	5/16	1/2-20	9/16-18	24	32
070220-6-4 S	3/8	9/16-18	7/16-20	27	30
070220-6-5 S	3/8	9/16-18	1/2-20	27	30
070220-6-6 S	3/8	9/16-18	9/16-20	27	32
070220-6-8 S	3/8	9/16-18	3/4-16	29	37
070220-6-10 S	3/8	9/16-18	7/8-14	31	43
070220-8-4 S	1/2	3/4-16	7/16-20	32	32
070220-8-6 S	1/2	3/4-16	9/16-18	32	34
070220-8-8 S	1/2	3/4-16	3/4-16	32	37
070220-8-10 S	1/2	3/4-16	7/8-14	34	43
070220-8-12 S	1/2	3/4-16	1.1/16-12	36	49
070220-8-16 S	1/2	3/4-16	1.5/16-12	39	52
070220-10-6 S	5/8	7/8-14	9/16-18	37	36
070220-10-8 S	5/8	7/8-14	3/4-16	37	39
070220-10-10 S	5/8	7/8-14	7/8-14	37	43
070220-10-10 S	5/8	7/8-14	1.1/16-12	39	49
070220-10-16 S	5/8	7/8-14	1.5/16-12	42	52
070220-12-8 S	3/4	1.1/16-12	3/4-16	42	41
070220-12-10 S	3/4	1.1/16-12	7/8-14	42	45
070220-12-12 S	3/4	1.1/16-12	1.1/16-12	42	49
070220-12-14 S	3/4	1.1/16-12	1.3/16-12	45	51
070220-12-16 S	3/4	1.1/16-12	1.5/16-12	46	52
070220-14-14 S	7/8	1.3/16-12	7/8-14	44	51
070220-16-12 S	1	1.5/16-12	1.1/16-12	46	52
070220-16-14 S	1	1.5/16-12	1.3/16-12	46	53
070220-16-16 S	1	1.5/16-12	1.5/16-12	46	52
070220-16-20 S	1	1.5/16-12	1.5/8-12	51	57
070220-16-24 S	1	1.5/16-12	1.7/8-12	55	61
070220-20-16 S	1.1/4	1.5/8-12	1.5/16-12	52	57
070220-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	57
070220-20-24 S	1.1/4	1.5/8-12	1.7/8-12	56	61
070220-24-20 S	1.1/2	1.7/8-12	1.5/8-12	59	61
070220-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	61

**Curva Macho UN/UNF (ISO 11926)
(45° Male Stud elbow)**

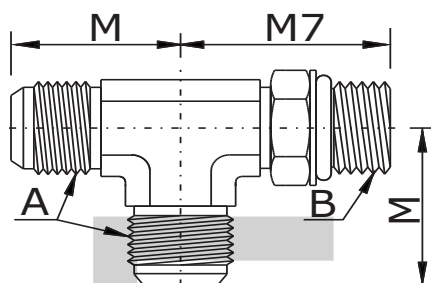
070320...



Ref.	Tubo	Rosca A UN/UNF	Rosca B UN/UNF	M2	M8
070320-4-4 S	1/4	7/16-20	7/16-20	18	27
070320-5-5 S	5/16	1/2-20	1/2-20	20	27
070320-6-6 S	3/8	9/16-18	9/16-18	21	29
070320-6-8 S	3/8	9/16-18	3/4-16	22	33
070320-8-6 S	1/2	3/4-16	9/16-18	25	30
070320-8-8 S	1/2	3/4-16	3/4-16	25	33
070320-8-10 S	1/2	3/4-16	7/8-14	25	39
070320-10-8 S	5/8	7/8-14	3/4-16	25	39
070320-10-10 S	5/8	7/8-14	7/8-14	28	39
070320-12-10 S	3/4	1.1/16-12	7/8-14	33	40
070320-12-12 S	3/4	1.1/16-12	1.1/16-12	33	44
070320-14-14 S	7/8	1.3/16-12	1.3/16-12	37	47
070320-16-16 S	1	1.5/16-12	1.5/16-12	37	47
070320-20-20 S	1.1/4	1.5/8-12	1.5/8-12	40	49
070320-24-24 S	1.1/2	1.7/8-12	1.7/8-12	45	49

**Te Vertical Macho UN/UNF (ISO 11926)
(Male Stud run tee)**

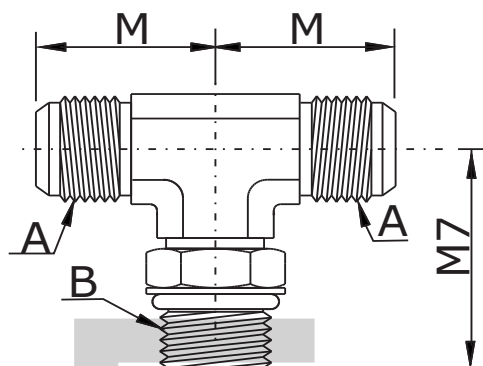
070428...



Ref.	Tubo	Rosca A UN/UNF	Rosca B UN/UNF	M	M7
070428-4-4-4 S	1/4	7/16-20	7/16-20	23	26
070428-5-5-5 S	5/16	1/2-20	1/2-20	25	29
070428-6-6-6 S	3/8	9/16-18	9/16-18	27	32
070428-8-8-8 S	1/2	3/4-16	3/4-16	32	37
070428-10-10-10 S	5/8	7/8-14	7/8-14	37	43
070428-12-12-12 S	3/4	1.1/16-12	1.1/16-12	42	49
070428-16-16-16 S	1	1.5/16-12	1.5/16-12	46	52
070428-20-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	57
070428-24-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	61
070428-32-32-32 S	2	2.1/2-12	2.1/2-12	78	73

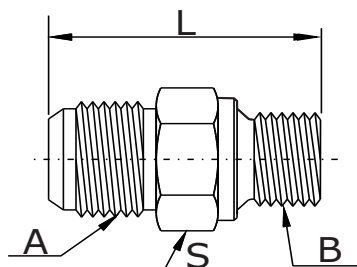
**Te Vertical Macho UN/UNF (ISO 11926)
(Male Stud branch tee)**

070429...



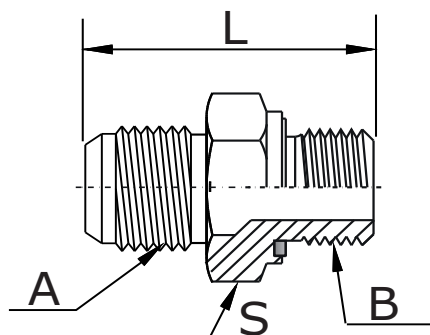
Ref.	Tubo	Rosca A UNF/UNF	Rosca B UN/UNF	M	M7
070429-4-4-4 S	1/4	7/16-20	7/16-20	23	26
070429-5-5-5 S	5/16	1/2-20	1/2-20	25	29
070429-6-6-6 S	3/8	9/16-18	9/16-18	27	32
070429-8-8-8 S	1/2	3/4-16	3/4-16	32	37
070429-10-10-10 S	5/8	7/8-14	7/8-14	37	43
070429-12-12-12 S	3/4	1.1/16-12	1.1/16-12	42	49
070429-16-16-16 S	1	1.5/16-12	1.5/16-12	46	52
070429-20-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	57
070429-24-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	61
070429-32-32-32 S	2	2.1/2-12	2.1/2-12	78	73

União Macho Metrica (DIN 3852-1)
(Male Stud Connector)
070120...M...



Ref.	Tubo	Rosca A UNF	Rosca B Metrica	L	S
070120-4XM10X1.0 S	1/4	7/16-20	M10X1.0	30	9/16
070120-4XM12X1.5 S	1/4	7/16-20	M12X1.5	33	11/16
070120-5XM10X1.0 S	5/16	1/2-20	M10X1.0	30	9/16
070120-5XM12X1.5 S	5/16	1/2-20	M12X1.5	33	3/4
070120-5XM14X1.5 S	5/16	1/2-20	M14X1.5	34	3/4
070120-6XM12X1.5 S	3/8	9/16-18	M12X1.5	34	11/16
070120-6XM14X1.5 S	3/8	9/16-18	M14X1.5	34	3/4
070120-6XM16X1.5 S	3/8	9/16-18	M16X1.5	36	7/8
070120-6XM18X1.5 S	3/8	9/16-18	M18X1.5	37	15/16
070120-8XM14X1.5 S	1/2	3/4-16	M14X1.5	36	3/4
070120-8XM16X1.5 S	1/2	3/4-16	M16X1.5	38	7/8
070120-8XM18X1.5 S	1/2	3/4-16	M18X1.5	39	15/16
070120-8XM22X1.5 S	1/2	3/4-16	M22X1.5	41	1.1/16
070120-10XM18X1.5 S	5/8	7/8-14	M18X1.5	43	15/16
070120-10XM20X1.5 S	5/8	7/8-14	M20X1.5	45	1.1/16
070120-10XM22X1.5 S	5/8	7/8-14	M22X1.5	44	1.1/16
070120-12XM18X1.5 S	3/4	1.1/16-12	M18X1.5	51	1.1/16
070120-12XM22X1.5 S	3/4	1.1/16-12	M22X1.5	48	1.1/16
070120-12XM24X1.5 S	3/4	1.1/16-12	M24X1.5	45	1.3/16
070120-12XM27X2.0 S	3/4	1.1/16-12	M27X2.0	51	1.1/4
070120-16XM22X1.5 S	1	1.5/16-12	M22X1.5	48	1.3/8
070120-16XM26X1.5 S	1	1.5/16-12	M26X1.5	52	1.3/8
070120-16XM27X2.0 S	1	1.5/16-12	M27X2.0	51	1.3/8
070120-16XM33X2.0 S	1	1.5/16-12	M33X2.0	53	1.5/8
070120-20XM42X2.0 S	1.1/4	1.5/8-12	M42X2.0	55	2
070120-24XM48X2.0 S	1.1/2	1.7/8-12	M48X2.0	59	2.1/4

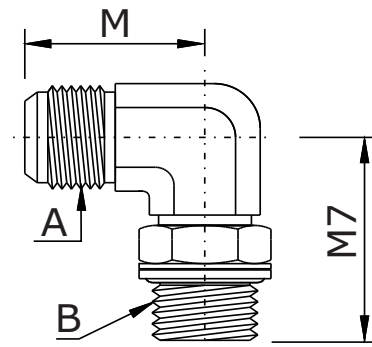
União Macho Metrica (ISO 9974)
(Male Stud Connector)
070120...M...-Q



Ref.	Tubo	Rosca A UNF	Rosca B Metrica	L	S
070120-4XM10X1.0-Q S	1/4	7/16-20	M10X1.0	30	9/16
070120-4XM12X1.5-Q S	1/4	7/16-20	M12X1.5	34	11/16
070120-5XM10X1.0-Q S	5/16	1/2-20	M10X1.0	30	9/16
070120-5XM12X1.5-Q S	5/16	1/2-20	M12X1.5	34	11/16
070120-5XM14X1.5-Q S	5/16	1/2-20	M14X1.5	36	3/4
070120-6XM12X1.5-Q S	3/8	9/16-18	M12X1.5	35	11/16
070120-6XM14X1.5-Q S	3/8	9/16-18	M14X1.5	35	3/4
070120-6XM16X1.5-Q S	3/8	9/16-18	M16X1.5	36	7/8
070120-6XM18X1.5-Q S	3/8	9/16-18	M18X1.5	36	15/16
070120-6XM22X1.5-Q S	3/8	9/16-18	M22X1.5	39	1.1/16
070120-8XM14X1.5-Q S	1/2	3/4-16	M14X1.5	39	3/4
070120-8XM16X1.5-Q S	1/2	3/4-16	M16X1.5	39	7/8
070120-8XM18X1.5-Q S	1/2	3/4-16	M18X1.5	39	15/16
070120-8XM22X1.5-Q S	1/2	3/4-16	M22X1.5	42	1.1/16
070120-10XM18X1.5-Q S	5/8	7/8-14	M18X1.5	43	15/16
070120-10XM20X1.5-Q S	5/8	7/8-14	M20X1.5	46	1.1/16
070120-10XM22X1.5-Q S	5/8	7/8-14	M22X1.5	45	1.1/16
070120-12XM18X1.5-Q S	3/4	1.1/16-12	M18X1.5	46	1.1/16
070120-12XM22X1.5-Q S	3/4	1.1/16-12	M22X1.5	49	1.1/16
070120-12XM26X1.5-Q S	3/4	1.1/16-12	M26X1.5	51	1.1/4
070120-12XM27X2.0-Q S	3/4	1.1/16-12	M27X2.0	51	1.1/4
070120-16XM26X1.5-Q S	1	1.5/16-12	M26X1.5	55	1.5/8
070120-16XM27X2.0-Q S	1	1.5/16-12	M27X2.0	53	1.3/8
070120-16XM33X2.0-Q S	1	1.5/16-12	M33X2.0	55	1.5/8
070120-20XM42X2.0-Q S	1.1/4	1.5/8-12	M42X2.0	60	2
070120-24XM48X2.0-Q S	1.1/2	1.7/8-12	M48X2.0	67	2.1/4

Joelho Macho Metrica (DIN 3852-1)
(Male Stud elbow)

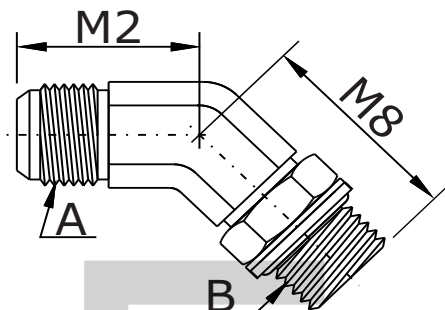
070220...M...



Ref.	Tubo	Rosca A UNF	Rosca B Metrica	M	M7
070220-4XM10X1.0 S	1/4	7/16-20	M10X1.0	23	27
070220-4XM12X1.5 S	1/4	7/16-20	M12X1.5	24	31
070220-5XM10X1.0 S	5/16	1/2-20	M10X1.0	24	26
070220-5XM12X1.5 S	5/16	1/2-20	M12X1.5	24	31
070220-6XM14X1.5 S	3/8	9/16-18	M14X1.5	27	34
070220-6XM16X1.5 S	3/8	9/16-18	M16X1.5	29	38
070220-8XM16X1.5 S	1/2	3/4-16	M16X1.5	32	38
070220-8XM18X1.5 S	1/2	3/4-16	M18X1.5	32	38
070220-10XM18X1.5 S	5/8	7/8-14	M18X1.5	37	42
070220-10XM20X1.5 S	5/8	7/8-14	M20X1.5	37	41
070220-10XM22X1.5 S	5/8	7/8-14	M22X1.5	37	43
070220-12XM22X1.5 S	3/4	1.1/16-12	M22X1.5	42	45
070220-12XM27X2.0 S	3/4	1.1/16-12	M27X2.0	42	50
070220-16XM27X2.0 S	1	1.5/16-12	M27X2.0	46	53
070220-16XM33X2.0 S	1	1.5/16-12	M33X2.0	46	53
070220-20XM42X2.0 S	1.1/4	1.5/8-12	M42X2.0	52	58
070220-24XM48X2.0 S	1.1/2	1.7/8-12	M48X2.0	59	64

Curva Macho Metrica (DIN 3852-1)
(45° Male Stud elbow)

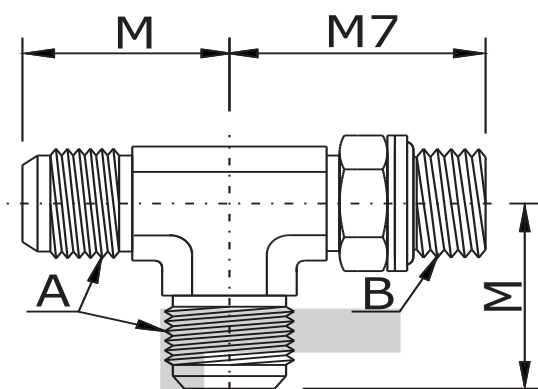
070320...M...



Ref.	Tubo	Rosca A UNF	Rosca B Metrica	M2	M8
070320-4XM10X1.0 S	1/4	7/16-20	M10X1.0	18	27
070320-4XM12X1.5 S	1/4	7/16-20	M12X1.5	20	27
070320-5XM12X1.5 S	5/16	1/2-20	M12X1.5	20	28
070320-6XM14X1.5 S	3/8	9/16-18	M14X1.5	21	38
070320-8XM16X1.5 S	1/2	3/4-16	M16X1.5	25	33
070320-8XM18X1.5 S	1/2	3/4-16	M18X1.5	25	33
070320-10XM22X1.5 S	5/8	7/8-14	M22X1.5	28	38
070320-12XM27X2.0 S	3/4	1.1/16-12	M27X2.0	33	46
070320-16XM33X2.0 S	1	1.5/16-12	M33X2.0	37	46

Te Vertical Macho Metrica (DIN 3852-1)
(Male Stud run tee)

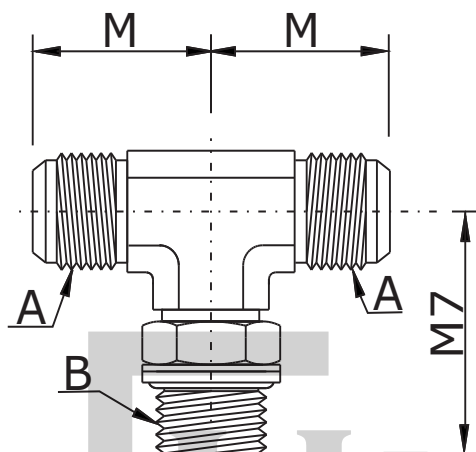
070428...M...



Ref.	Tubo	Rosca A UNF	Rosca B Metrica	M	M7
070428-4XM10X1.0-4 S	1/4	7/16-20	M10X1.0	23	27
070428-5XM12X1.5-5 S	5/16	1/2-20	M12X1.5	24	31
070428-6XM14X1.5-6 S	3/8	9/16-18	M14X1.5	27	34
070428-8XM16X1.5-8 S	1/2	3/4-16	M16X1.5	32	38
070428-8XM18X1.5-8 S	1/2	3/4-16	M18X1.5	32	38
070428-10XM22X1.5-10 S	5/8	7/8-14	M22X1.5	37	43
070428-12XM27X2.0-12 S	3/4	1.1/16-12	M27X2.0	42	50
070428-16XM33X2.0-16 S	1	1.5/16-12	M33X2.0	46	53

Te Vertical Macho Metrica (DIN 3852-1)
(Male Stud branch tee)

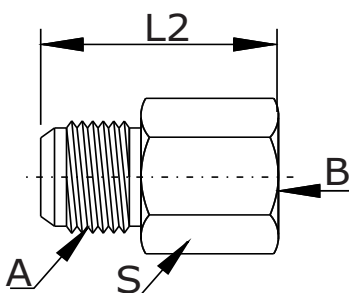
070429...M...



Ref.	Tubo	Rosca A UN/UNF	Rosca B Metrica	M	M7
070429-4-4XM10X1.0 S	1/4	7/16-20	M10X1.0	23	27
070429-5-5XM12X1.5 S	5/16	1/2-20	M12X1.5	24	31
070429-6-6XM14X1.5 S	3/8	9/16-18	M14X1.5	27	34
070429-8-8XM16X1.5 S	1/2	3/4-16	M16X1.5	32	38
070429-8-8XM18X1.5 S	1/2	3/4-16	M18X1.5	32	38
070429-10-10XM22X1.5 S	5/8	7/8-14	M22X1.5	37	43
070429-12-12XM27X2.0 S	3/4	1.1/16-12	M27X2.0	42	50
070429-16-16XM33X2.0 S	1	1.5/16-12	M33X2.0	46	53

**União Fêmea NPT (ANSI/ASME B 1.20.1)
(Female Connector)**

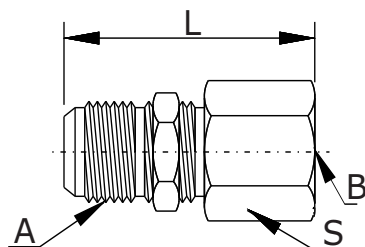
070103...



Ref.	Tubo	Rosca A UN/UNF	Rosca B NPT	L2	S
070103-4-2 S	1/4	7/16-20	1/8	30	9/16
070103-4-4 S	1/4	7/16-20	1/4	36	3/4
070103-4-6 S	1/4	7/16-20	3/8	37	7/8
070103-4-8 S	1/4	7/16-20	1/2	37	1.1/8
070103-5-2 S	5/16	1/2-20	1/8	30	9/16
070103-5-4 S	5/16	1/2-20	1/4	35	3/4
070103-6-4 S	3/8	9/16-18	1/4	36	3/4
070103-6-6 S	3/8	9/16-18	3/8	37	7/8
070103-6-8 S	3/8	9/16-18	1/2	45	1.1/8
070103-8-4 S	1/2	3/4-16	1/4	36	7/8
070103-8-6 S	1/2	3/4-16	3/8	40	7/8
070103-8-8 S	1/2	3/4-16	1/2	46	1.1/8
070103-8-12 S	1/2	3/4-16	3/4	48	1.3/8
070103-10-8 S	5/8	7/8-14	1/2	48	1.1/8
070103-10-12 S	5/8	7/8-14	3/4	51	1.3/8
070103-12-8 S	3/4	1.1/16-12	1/2	49	1.1/8
070103-12-12 S	3/4	1.1/16-12	3/4	52	1.3/8
070103-14-12 S	7/8	1.3/16-12	3/4	52	1.3/8
070103-16-16 S	1	1.5/16-12	1	59	1.5/8
070103-20-20 S	1.1/4	1.5/8-12	1.1/4	63	2
070103-24-24 S	1.1/2	1.7/8-12	1.1/2	67	2.3/8
070103-32-32 S	2	2.1/2-12	2	75	2.7/8

**União Fêmea para Painéis NPT (ANSI/ASME B 1.20.1)
(Female Bulkhead Connector)**

070603...

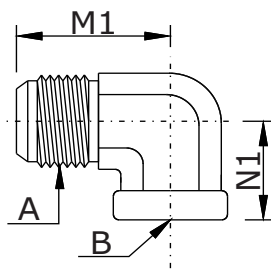


Ref.	Tubo	Rosca A UN/UNF	Rosca B NPT	L	S
070603-4-2 S	1/4	7/16-20	1/8	47	11/16
070603-4-4 S	1/4	7/16-20	1/4	54	3/4
070603-6-4 S	3/8	9/16-18	1/4	52	7/8
070603-8-6 S	1/2	3/4-16	3/8	59	1
070603-10-8 S	5/8	7/8-14	1/2	68	1.1/8
070603-12-12 S	3/4	1.1/16-12	3/4	74	1.3/8
070603-16-16 S	1	1.5/16-12	1	79	1.5/8

USiiNOX

Joelho Femea NPT (ANSI/ASME B 1.20.1)
(Female elbow connector)

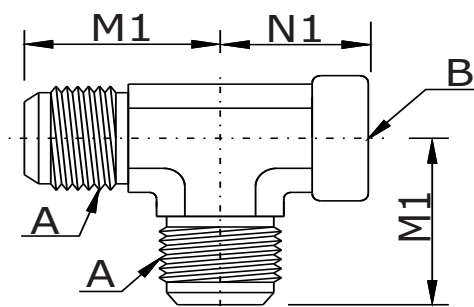
070203.....



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M1	N1
070203-4-2 S	1/4	7/16-20	1/8	27	17
070203-4-4 S	1/4	7/16-20	1/4	31	22
070203-5-2 S	5/16	1/2-20	1/8	27	17
070203-5-4 S	5/16	1/2-20	1/4	29	22
070203-6-2 S	3/8	9/16-18	1/8	31	17
070203-6-4 S	3/8	9/16-18	1/4	31	22
070203-6-6 S	3/8	9/16-18	3/8	33	26
070203-8-4 S	1/2	3/4-16	1/4	36	26
070203-8-6 S	1/2	3/4-16	3/8	36	26
070203-8-8 S	1/2	3/4-16	1/2	39	31
070203-10-8 S	5/8	7/8-14	1/2	42	31
070203-12-8 S	3/4	1.1/16-12	1/2	48	34
070203-12-12 S	3/4	1.1/16-12	3/4	48	35
070203-14-12 S	7/8	1.3/16-12	3/4	47	36
070203-16-16 S	1	1.5/16-12	1	55	41
070203-20-20 S	1.1/4	1.5/8-12	1.1/4	59	43
070203-24-24 S	1.1/2	1.7/8-12	1.1/2	73	53

Te Vertical Femea NPT (ANSI/ASME B 1.20.1)
(Female run tee)

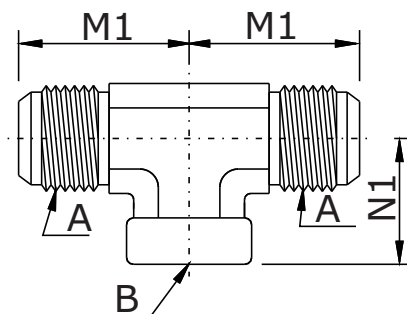
070426....



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M1	N1
070426-4-2-4 S	1/4	7/16-20	1/8	27	17
070426-4-4-4 S	1/4	7/16-20	1/4	29	22
070426-6-4-6 S	3/8	9/16-18	1/4	32	22
070426-8-6-8 S	1/2	3/4-16	3/8	36	26
070426-10-8-10 S	5/8	7/8-14	1/2	42	32
070426-12-12-12 S	3/4	1.1/16-12	3/4	48	35
070426-14-12-14 S	3/4	1.3/16-12	3/4	47	36
070426-16-16-16 S	1	1.5/16-12	1	55	41
070426-20-20-20 S	1.1/4	1.5/8-12	1.1/4	59	43

Te Femea NPT (ANSI/ASME B 1.20.1)
(Female branch tee)

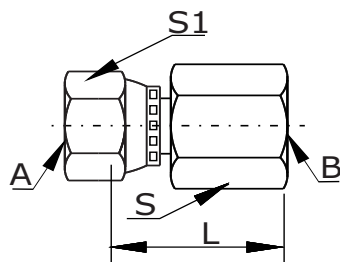
070427....



Ref.	Tubo	Rosca A UNF	Rosca B NPT	M1	N1
070427-4-4-2 S	1/4	7/16-20	1/8	27	17
070427-4-4-4 S	1/4	7/16-20	1/4	29	22
070427-5-5-2 S	5/16	1/2-20	1/8	27	17
070427-6-6-4 S	3/8	9/16-18	1/4	32	22
070427-8-8-6 S	1/2	3/4-16	3/8	36	26
070427-10-10-8 S	5/8	7/8-14	1/2	42	32
070427-12-12-12 S	3/4	1.1/16-12	3/4	48	35
070427-16-16-16 S	1	1.5/16-12	1	55	41
070427-20-20-20 S	1.1/4	1.5/8-12	1.1/4	59	43
070427-24-24-24 S	1.1/2	1.5/8-12	1.1/2	73	53

**União Femea NPT - Porca Giratoria (ANSI/ASME B 1.20.1)
(Swivel connector)**

UPGF...

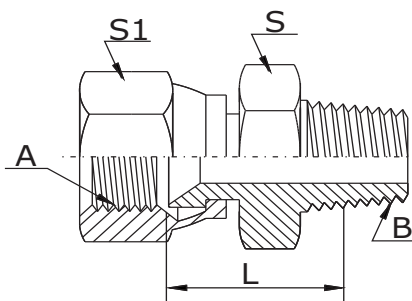


Ref.	Tubo	Rosca A Femea UNF	Rosca B Femea NPT	S	S1	L
UPGF-4-2 S	1/4	7/16-20	1/8	9/16	9/16	23
UPGF-4-4 S	1/4	7/16-20	1/4	3/4	9/16	27
UPGF-6-4 S	3/8	9/16-18	1/4	3/4	11/16	27
UPGF-6-6 S	3/8	9/16-18	3/8	7/8	11/16	30
UPGF-8-6 S	1/2	3/4-16	3/8	7/8	7/8	31
UPGF-8-8 S	1/2	3/4-16	1/2	1.1/8	7/8	38
UPGF-10-8 S	5/8	7/8-14	1/2	1.1/8	1	37
UPGF-12-12 S	3/4	1.1/16-12	3/4	1.3/8	1.1/4	38
UPGF-16-16 S	1	1.5/16-12	1	1.5/8	1.1/2	47
UPGF-20-20 S	1.1/4	1.5/8-12	1.1/4	2	2	55
UPGF-24-24 S	1.1/2	1.7/8-12	1.1/2	2.3/8	2.1/4	57

USiiNOX

**União Macho NPT - Porca Giratoria (ANSI/ASME B 1.20.1)
(Swivel Male Stud)**

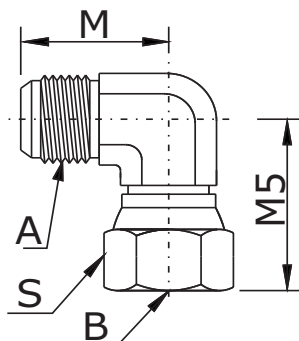
UPGM...



Ref.	Tubo	Rosca A Femea UNF	Rosca B Femea NPT	S	S1	L
UPGM-4-2 S	1/4	7/16-20	1/8	9/16	9/16	16
UPGM-4-4 S	1/4	7/16-20	1/4	9/16	9/16	22
UPGM-5-2 S	5/16	1/2-20	1/8	9/16	11/16	16
UPGM-5-4 S	5/16	1/2-20	1/4	5/8	5/8	22
UPGM-6-4 S	3/8	9/16-18	1/4	11/16	11/16	24
UPGM-6-6 S	3/8	9/16-18	3/8	3/4	11/16	24
UPGM-8-4 S	1/2	3/4-16	1/4	7/8	7/8	24
UPGM-8-6 S	1/2	3/4-16	3/8	3/4	7/8	27
UPGM-8-8 S	1/2	3/4-16	1/2	7/8	7/8	28
UPGM-10-6 S	5/8	7/8-14	3/8	1	1	27
UPGM-10-8 S	5/8	7/8-14	1/2	7/8	1.1/16	25
UPGM-12-8 S	3/4	1.1/16-12	1/2	1.1/16	1.1/4	29
UPGM-12-12 S	3/4	1.1/16-12	3/4	1.1/16	1.1/4	30
UPGM-16-12 S	1	1.5/16-12	3/4	1.3/8	1.1/2	48
UPGM-16-16 S	1	1.5/16-12	1	1.1/4	1.1/2	31
UPGM-20-20 S	1.1/4	1.5/8-12	1.1/4	1.7/8	2	38
UPGM-24-24 S	1.1/2	1.7/8-12	1.1/2	2.1/4	2.1/4	43

Joelho Porca Giratória **(Swivel Nut elbow)**

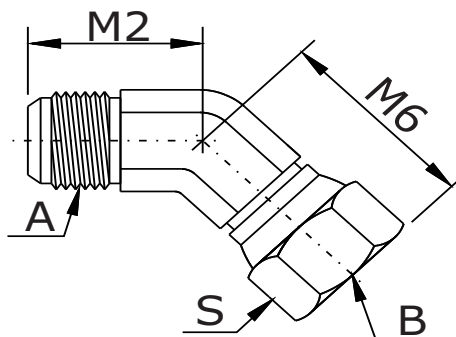
070221.....



Ref.	Tubo	Rosca A UNF	Rosca B UNF	M	M5	S
070221-4-4 S	1/4	7/16-20	7/16-20	23	25	9/16
070221-5-5 S	5/16	1/2-20	1/2-20	24	27	11/16
070221-6-6 S	3/8	9/16-18	9/16-18	27	32	3/4
070221-8-8 S	1/2	3/4-16	3/4-16	32	35	7/8
070221-10-10 S	5/8	7/8-14	7/8-14	37	41	1.1/16
070221-12-12 S	3/4	1.1/16-12	1.1/16-12	42	44	1.1/4
070221-14-14 S	7/8	1.3/16-12	1.3/16-12	46	45	1.3/8
070221-16-16 S	1	1.5/16-12	1.5/16-12	46	51	1.1/2
070221-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	59	2
070221-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	66	2.1/4
070221-32-32 S	2	2.1/2-12	2.1/2-12	78	89	2.7/8

**Curva 45° Porca Giratória
(45° Swivel Nut elbow)**

070321.....

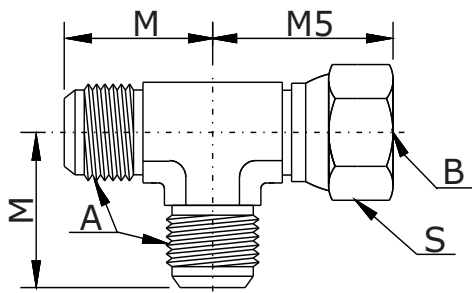


Ref.	Tubo	Rosca A UNF	Rosca B UNF	M2	M6	S
070321-4-4 S	1/4	7/16-20	7/16-20	18	24	9/16
070321-5-5 S	5/16	1/2-20	1/2-20	20	25	11/16
070321-6-6 S	3/8	9/16-18	9/16-18	21	28	3/4
070321-8-8 S	1/2	3/4-16	3/4-16	25	33	7/8
070321-10-10 S	5/8	7/8-14	7/8-14	28	37	1.1/16
070321-12-12 S	3/4	1.1/16-12	1.1/16-12	33	38	1.1/4
070321-14-14 S	7/8	1.3/16-12	1.3/16-12	35	41	1.3/8
070321-16-16 S	1	1.5/16-12	1.5/16-12	37	44	1.1/2
070321-20-20 S	1.1/4	1.5/8-12	1.5/8-12	40	52	2
070321-24-24 S	1.1/2	1.7/8-12	1.7/8-12	45	58	2.1/4
070321-32-32 S	2	2.1/2-12	2.1/2-12	56	70	2.7/8

USiiNOX

**Te Vertical Porca Giratória
(Swivel Nut Run Tee)**

070432.....

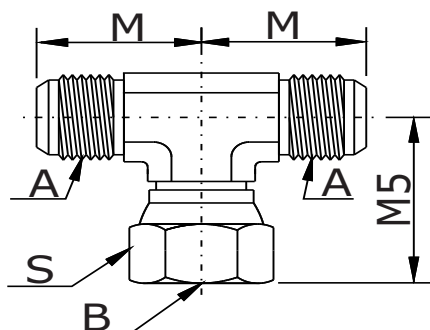


Ref.	Tubo	Rosca A UNF	Rosca B UNF	M	M5	S
070432-4-4-4 S	1/4	7/16-20	7/16-20	23	25	9/16
070432-5-5-5 S	5/16	1/2-20	1/2-20	24	27	11/16
070432-6-6-6 S	3/8	9/16-18	9/16-18	27	32	3/4
070432-8-8-8 S	1/2	3/4-16	3/4-16	32	35	7/8
070432-10-10-10 S	5/8	7/8-14	7/8-14	37	41	1.1/16
070432-12-12-12 S	3/4	1.1/16-12	1.1/16-12	42	44	1.1/4
070432-14-14-14 S	7/8	1.3/16-12	1.3/16-12	46	45	1.3/8
070432-16-16-16 S	1	1.5/16-12	1.5/16-12	46	51	1.1/2
070432-20-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	59	2
070432-24-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	66	2.1/4

USiiNOX

**Te Porca Giratória
(Swivel Nut Branch Tee)**

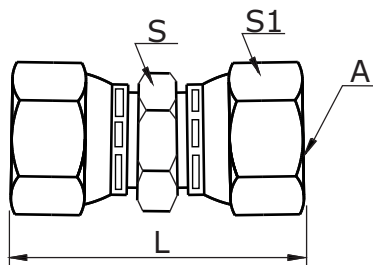
070433.....



Ref.	Tubo	Rosca A UNF	Rosca B UNF	M	M5	S
070433-4-4-4 S	1/4	7/16-20	7/16-20	23	25	9/16
070433-5-5-5 S	5/16	1/2-20	1/2-20	24	27	11/16
070433-6-6-6 S	3/8	9/16-18	9/16-18	27	32	3/4
070433-8-8-8 S	1/2	3/4-16	3/4-16	32	35	7/8
070433-10-10-10 S	5/8	7/8-14	7/8-14	37	41	1.1/16
070433-12-12-12 S	3/4	1.1/16-12	1.1/16-12	42	44	1.1/4
070433-14-14-14 S	7/8	1.3/16-12	1.3/16-12	46	45	1.3/8
070433-16-16-16 S	1	1.5/16-12	1.5/16-12	46	51	1.1/2
070433-20-20-20 S	1.1/4	1.5/8-12	1.5/8-12	52	59	2
070433-24-24-24 S	1.1/2	1.7/8-12	1.7/8-12	59	66	2.1/4

USiiNOX

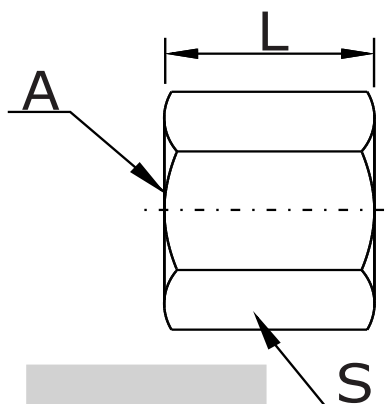
**União Dupla Porca Giratoria
(Swivel Nut Union)
UDPG...**



Ref.	Tubo	Rosca A Femea UNF	S	S1	L
UDPG-4-4 S	1/4	7/16-20	9/16	9/16	22
UDPG-6-6 S	3/8	9/16-18	3/4	3/4	24
UDPG-8-8 S	1/2	3/4-16	7/8	7/8	28
UDPG-10-10 S	5/8	7/8-14	1	1	27
UDPG-12-12 S	3/4	1.1/16-12	1.1/4	1.1/4	30
UDPG-16-16 S	1	1.5/16-12	1.5/8	1.1/2	31

USiiNOX

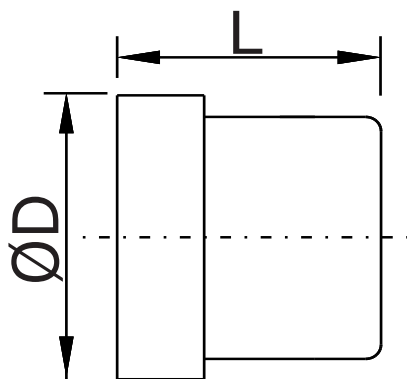
Porca
(Nut)
070110.....



Ref.	Tubo	Rosca A UNF	L	S
070110-4 S	1/4	7/16-20	16	9/16
070110-5 S	5/16	1/2-20	17	5/8
070110-6 S	3/8	9/16-18	18	11/16
070110-8 S	1/2	3/4-16	22	7/8
070110-10 S	5/8	7/8-14	25	1.1/16
070110-12 S	3/4	1.1/16-12	26	1.1/4
070110-14 S	7/8	1.3/16-12	28	1.3/8
070110-16 S	1	1.5/16-12	29	1.1/2
070110-20 S	1.1/4	1.5/8-12	31	2
070110-24 S	1.1/2	1.7/8-12	36	2.1/4
070110-32 S	2	2.1/2-12	45	3

Luva (Anel)
(sleeve)

070115...



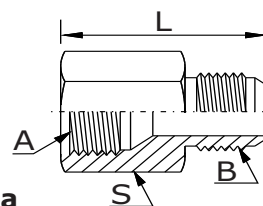
Ref.	Tubo	ØD	L
070115-4 S	1/4	10	10
070115-5 S	5/16	11	11
070115-6 S	3/8	13	13
070115-8 S	1/2	17	14
070115-10 S	5/8	20	17
070115-12 S	3/4	25	17
070115-14 S	7/8	28	19
070115-16 S	1	31	20
070115-20 S	1.1/4	39	23
070115-24 S	1.1/2	45	28
070115-32 S	2	61	30

CONEXÕES SAE - JIC (ISO 8434-2 / SAE J514)

Adaptador de Redução (Tube end Reducer)

070105.....

Este adaptador é fabricado em peça única



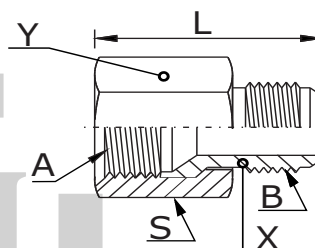
Ref.	Tubo	Rosca A UNF	Tubo	Rosca B UNF	L	S
070105-5-4 S	5/16	1/2-20	1/4	7/16-20	29	11/16
070105-6-5 S	3/8	9/16-18	5/16	1/2-20	29	3/4
070105-10-8 S	5/8	7/8-14	1/2	3/4-16	37	1.1/16
070105-12-10 S	3/4	1.1/16-12	5/8	7/8-14	42	1.1/4
070105-14-12 S	7/8	1.3/16-12	3/4	1.1/16-12	47	1.3/8
070105-16-14 S	1	1.5/16-12	7/8	1.3/16-12	60	1.1/2

Adaptador de Redução (Tube end Reducer)

070123.....

Este adaptador é fabricado e fornecido em duas peças:

X = 070123 e Y = 070110

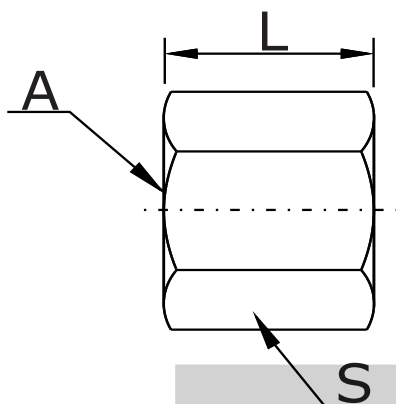


Ref.	Tubo	Rosca A UNF	Tubo	Rosca B UNF	L	S
070123-6-4 S	3/8	9/16-18	1/4	7/16-20	36	3/4
070123-8-4 S	1/2	3/4-16	1/4	7/16-20	38	7/8
070123-8-5 S	1/2	3/4-16	5/16	1/2-20	38	7/8
070123-8-6 S	1/2	3/4-16	3/8	9/16-20	38	7/8
070123-10-4 S	5/8	7/8-14	1/4	7/16-20	45	1.1/16
070123-10-5 S	5/8	7/8-14	5/16	1/2-20	41	1.1/16
070123-10-6 S	5/8	7/8-14	3/8	9/16-20	41	1.1/16
070123-12-4 S	3/4	1.1/16-12	1/4	7/16-20	47	1.1/4
070123-12-5 S	3/4	1.1/16-12	5/16	1/2-20	45	1.1/4
070123-12-6 S	3/4	1.1/16-12	3/8	9/16-20	47	1.1/4
070123-12-8 S	3/4	1.1/16-12	1/2	3/4-16	50	1.1/4
070123-14-6 S	7/8	1.3/16-12	3/8	9/16-20	50	1.3/8
070123-14-10 S	7/8	1.3/16-12	5/8	7/8-14	55	1.3/8
070123-16-4 S	1	1.5/16-12	1/4	7/16-20	53	1.5/8
070123-16-6 S	1	1.5/16-12	3/8	9/16-20	48	1.5/8
070123-16-8 S	1	1.5/16-12	1/2	3/4-16	49	1.5/8
070123-16-10 S	1	1.5/16-12	5/8	7/8-14	52	1.5/8
070123-16-12 S	1	1.5/16-12	3/4	1.1/16-12	55	1.5/8
070123-20-10 S	1.1/4	1.5/8-12	5/8	7/8-14	59	2
070123-20-12 S	1.1/4	1.5/8-12	3/4	1.1/16-12	62	2
070123-20-16 S	1.1/4	1.5/8-12	1	1.5/16-12	64	2
070123-24-12 S	1.1/2	1.7/8-12	3/4	1.1/16-12	63	2.3/8
070123-24-16 S	1.1/2	1.7/8-12	1	1.5/16-12	63	2.3/8
070123-24-20 C	1.1/2	1.7/8-12	1.1/4	1.5/8-12	70	2.3/8
070123-32-24 S	2	2.1/2-12	1.1/2	1.7/8-12	75	3

CONEXÕES SAE - JIC (ISO 8434-2 / SAE J514)

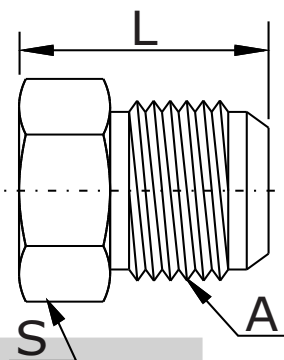
Tampão Femea 37° - JIC
(37° Flare female cap end)

070112.....

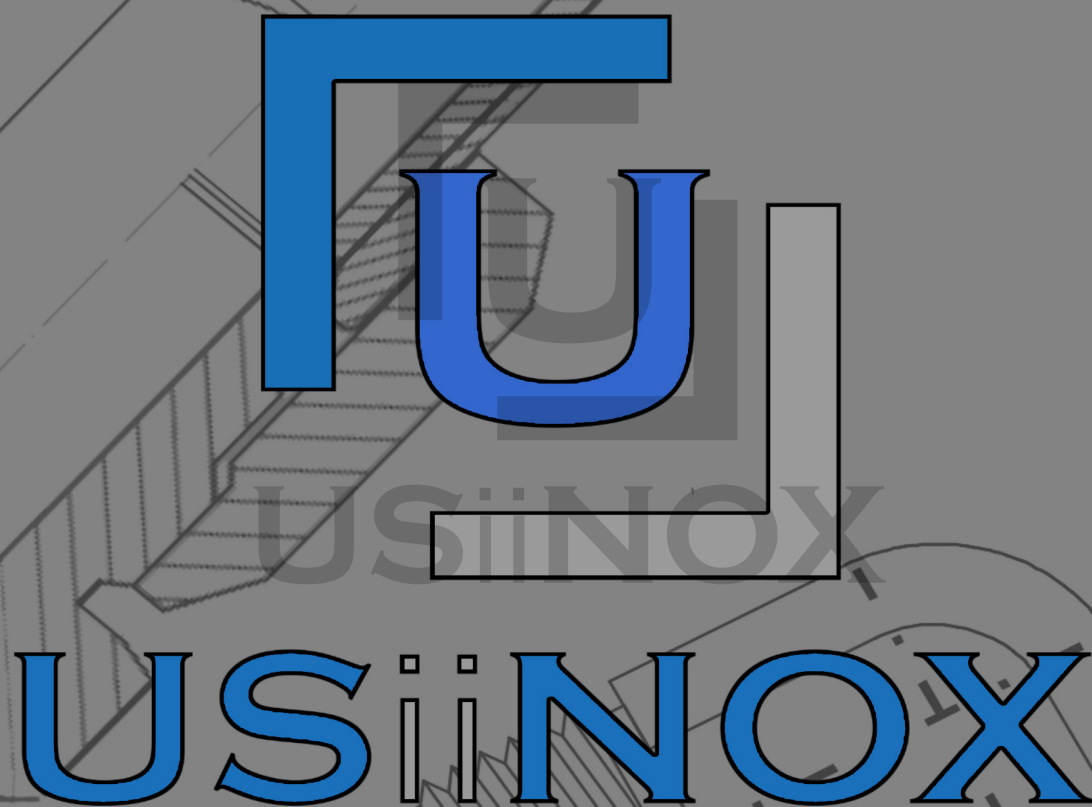


Ref.	Tubo	Rosca A UNF	L	S
070112-4 S	1/4	7/16-20	17	9/16
070112-5 S	5/16	1/2-20	20	11/16
070112-6 S	3/8	9/16-18	21	3/4
070112-8 S	1/2	3/4-16	24	7/8
070112-10 S	5/8	7/8-14	27	1.1/16
070112-12 S	3/4	1.1/16-12	32	1.1/4
070112-14 S	7/8	1.3/16-12	32	1.3/8
070112-16 S	1	1.5/16-12	33	1.5/8
070112-20 S	1.1/4	1.5/8-12	35	2
070112-24 S	1.1/2	1.7/8-12	43	2.3/8
070112-32 S	2	2.1/2-12	51	2.7/8

Bujão Macho 37° - JIC
(37° Flare end Plug)
070109.....



Ref.		Tubo	Rosca A UNF	L	S
070109-4 S		1/4	7/16-20	20	9/16
070109-5 S		5/16	1/2-20	20	9/16
070109-6 S		3/8	9/16-18	21	5/8
070109-8 S		1/2	3/4-16	24	13/16
070109-10 S		5/8	7/8-14	28	15/16
070109-12 S		3/4	1.1/16-12	33	1.1/8
070109-14 S		7/8	1.3/16-12	33	1.1/4
070109-16 S		1	1.5/16-12	34	1.3/8
070109-20 S		1.1/4	1.5/8-12	37	1.3/4
070109-24 S		1.1/2	1.7/8-12	42	2
070109-32 S		2	2.1/2-12	52	2.3/4



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