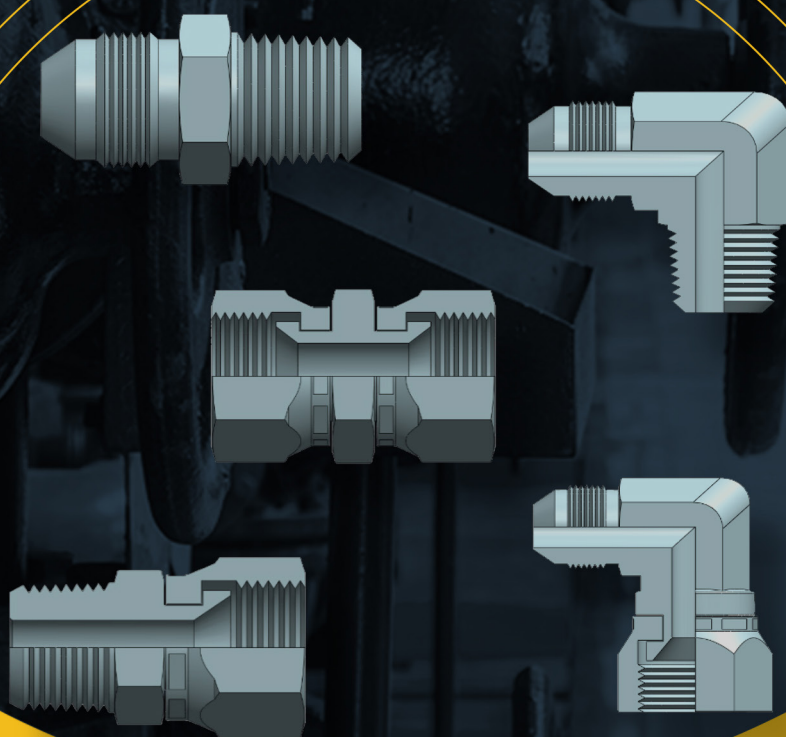


Soluções Industriais

Conexões instrumentais e hidráulicas

O Maior Fabricante de Conexões Roscada Tipo
NPT e BSP do Brasil.

Fabricando na Norma (ISO 8434-2 / SAE J514).



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CONTATO

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INFORMAÇÕES TÉCNICAS

Conexões para Tubos Flangeados a 37°

As conexões tipo JIC 37 para tubos flangeados ou utilizadas como adaptadores para terminais de mangueiras.

Possuem excepcional resistência mecânica à solda do tubo, garantindo perfeitas montagens e desmontagens.

Podem ser repetidamente utilizadas sem redução na eficiência de vedação como observado na montagem inicial.

Designadas para suportar altas pressões e severas condições de trabalho, são ideais para aplicações em circuitos hidráulicos e pneumáticos, como conectores de tubos ou adaptadores para terminais de mangueiras, em geradores, turbinas, instrumentações, máquinas agrícolas, sistemas de lubrificação pressurizada, áreas corrosivas, sistemas de controle off-shore e naval, onde altas temperaturas ou fadiga do material estejam presentes.

Originalmente padronizada pela norma SAE J514 em 1950, por suas características construtivas esses tipos de conexões tem larga aceitação mundial, graças a sua simplicidade, disponibilidade, para tubos em frações 1/8" a 2".

Fabricados em aço inoxidável AISI 316 ou carbono bicromatizado, atendendo aos requisitos das normas SAE J514 e J516. Que originalmente foi padronizada internacionalmente recebendo a nomenclatura ISO 8434-2:94 em 1994, tendo sua revisão e atualização em 2007 (ISO 8434-2:2007).

Materiais de Fabricações

As conexões JIC 37 estão disponíveis em AISI 316 OU 304. Todas as conexões com perfis retos são usinadas a partir de parras treiladas. Perfis angulares tais como Tees, Joelhos, e Cruzetas, a partir de corpos forjados. Os materiais para suas fabricações estão a apresentados abaixo.

Aço Inoxidável

Perfis angulares: Aço inoxidável forjado ASTM A-182 TP316

Perfis retos: Barras Aço inoxidável ASTM A-276 TP316

Perfis angulares*: Barras de Aço carbono ASTM A-576 GR 12L14

Perfis retos*: Barras de Aço carbono ASTM A-576 GR 12L14

*Aço Carbono (Este material está sujeito à consulta na Fábrica, sua fabricação requer um mínimo de unidades para sua produção)

Codificação

Para especificar um ADAPTADOR MACHO JIC-8 X MACHO 1/2NPT

CÓD	JIC	NPT	316	SOLICITAÇÃO
8105	8	8	SS	EXP: 8105SS8-8
↑	↑	↑	↑	

Para especificar um ADAPTADOR UNIAO MACHO JIC-4 X JIC-4

CÓD	JIC	JIC	316	SOLICITAÇÃO
8106	4	4	SS	EXP: 8106SS4
↑	↑	↑	↑	

Para especificar um COTOVELO 90GR MACHO JIC-8 X JIC-8 PORCA GIRATÓRIA

CÓD	JIC	JIC	316	SOLICITAÇÃO
8111	8	8	SS	EXP: 8111SS8
↑	↑	↑	↑	

Nota: no caso do carbono* trocar letra (SS) por (S).

*Aço Carbono (Este material está sujeito à consulta na Fábrica, sua fabricação requer um mínimo de unidades para sua produção)

Instruções de montagem

As conexões em aço inoxidável são recomendadas para uso com tubos de aço inoxidável com ou sem costura, tipo 304 ou 316 com dureza máxima de 90 HRB conforme norma ASTM A-276, ASTM A-312 ou equivalente. Conexões em aço carbono são recomendadas para tubos de aço 1008/1010. Há a necessidade dos tubos estarem livres de arranhões e serem adequados para dobra.

- 1) Corte o tubo no esquadro e remova as rebarbas;
- 2) Introduza a flange e a luva no tubo;
- 3) Expanda a ponta do tubo com ferramenta própria para obter expansão 37°;
- 4) Monte a boca do tubo já expandida contra a conexão e aperte manualmente. Em seguida, aperte a flange com a chave atendendo aos valores de toque informado abaixo.

Tubo D.E (Pol)	Cód	Rosca SAE/JIC	Torque Montagem Nm	Torque Montagem lb-ft	Pressão Max. Trabalho 1*(psig)	Pressão Max. Trabalho 2*(psig)	Rosca NPT	Pressão Max. Trabalho 3*(psig)
1/8"	2	5/16-24	8-9	6-7	5000	5000	1/8	5000
3/16"	3	3/8-24	11-12	8-9	5000	5000	1/8	5000
1/4"	4	7/16-20	15-16	11-12	5000	4500	1/8	5000
5/16"	5	1/2-20	19-21	14-15	5000	4000	1/8	5000
3/8"	6	9/16-18	24-28	18-2	5000	4000	1/4	4000
1/2"	8	3/4-16	49-53	36-39	4500	4000	3/8	3000
5/8"	10	7/8-14	77-85	57-63	3500	3000	1/2	3000
3/4"	12	1.1/16-12	107-119	79-88	3500	3000	3/4	2500
7/8"	14	1.3/16-12	1277-140	94-103	3000	2500	3/4	2500
1"	16	1.5/16-12	147-154	108-113	3000	2500	1	2000
1.1/4"	20	1.5/8-12	172-181	127-133	2500	2000	1-1/4	1150
1.1/2"	24	1.7/8-12	215-226	158-167	2000	1500	1-1/2	1000
2"	32	2.1/2-12	332-350	245-258	1500	1125	2	1000

*Valores para conexões em aço carbono sem lubrificação. Consulte-nos sobre outros materiais.

- 1) Pressão máxima de trabalho para conexões com rosca paralela UNF, Uniões e conexões bulkhead.
- 2) Pressão máxima de trabalho para conexões com porca giratória.
- 3) Pressão máxima de trabalho para conexões com rosca NPT/NPTF.

Roscas – Normas

- Conexões em aço carbono são fabricadas com roscas NPTF (National Standard Pipe Taper Fuel na Oil) em conformidade com SAE J476a (ASME B1.20.3).
- Conexões rosçadas em aço inoxidável são fornecidas com roscas NPT em conformidade com ASME B1.20.1.
- Rosca UN/UNF em conformidade com ASME B1.1.

Outros tipos de extremidades rosqueadas podem ser disponibilizadas sem qualquer limitação, sob consulta prévia.

Vedantes para Roscas

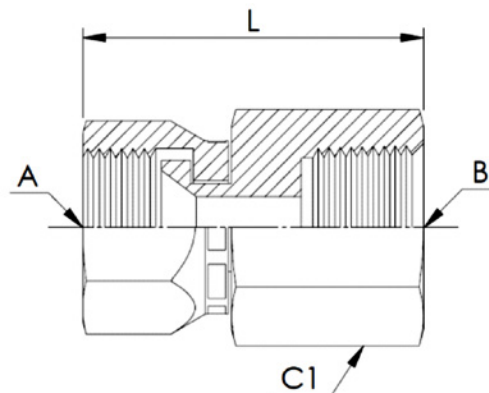
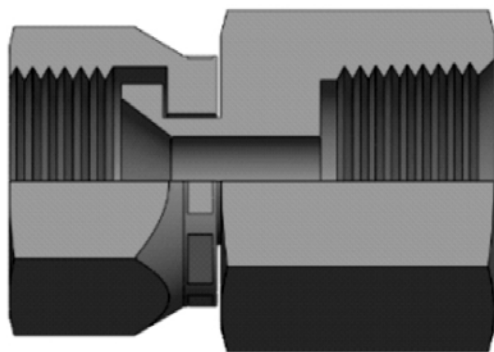
- É recomendado a utilização de vedante adicional tal como fita ou composto vedante equivalente para roscas cônicas, pois além de ajudarem na vedação, agem também como lubrificantes e evitam travamentos durante a montagem. Na utilização de fita de PTFE, o procedimento é o seguinte:
- Utilizar fita de PTFE com largura de 1/4" em roscas macho de 1/8", 1/4" e 3/8" e fita com largura de 1/2" em roscas macho de 1/2" ou superior. Utilizar somente em roscas macho NPT/NPTF e ISO. Não aplicar em roscas paralelas e extremidades de tubo;
- As roscas macho e fêmea devem estar totalmente isentas de qualquer impureza. Fitas ou composto vedante anteriormente aplicado;
- Aplicar a fita na direção da espiral da rosca macho iniciando pelo primeiro filete. A fita não deve ser aplicada antes do primeiro filete sob risco de desprender-se da rosca e contaminar o sistema;
- Tomando o devido cuidado para não danificar a fita, envolver suavemente a rosca com duas voltas até o seu final. Cortar a fita e pressioná-la contra a rosca para sua fixação.

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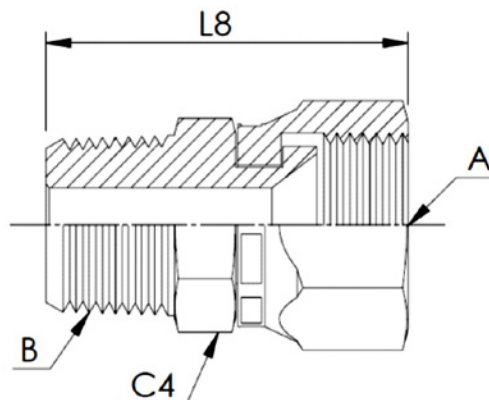
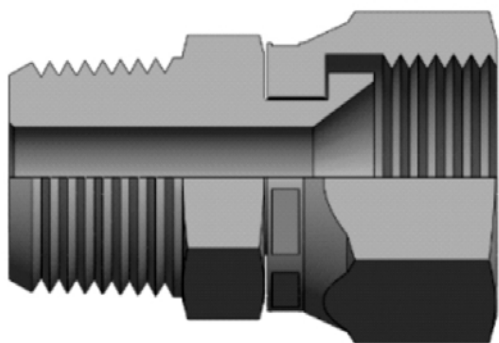
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ADAPTADOR JIC 37G PORCA GIRATÓRIA X FÊMEA NPT



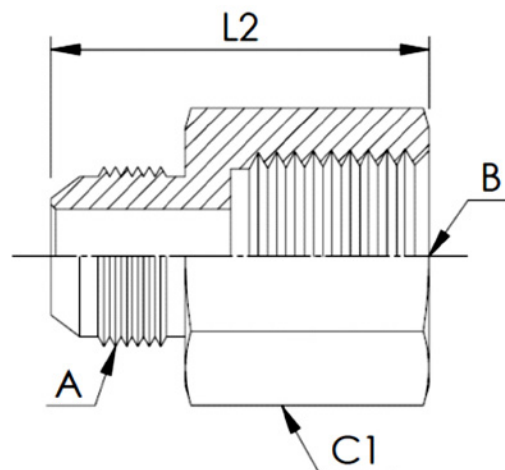
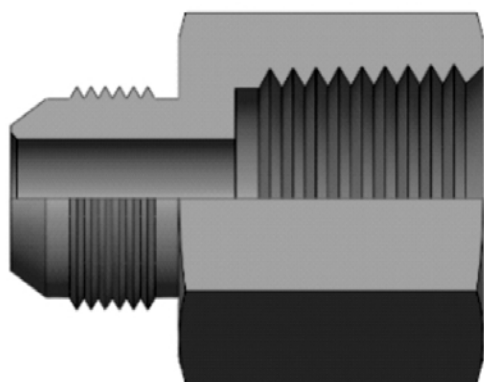
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	L	Sext. C1 (pol.)
6	8127556-4	9/16-18	1/4-18	35,9	3/4
6	8127556-6	9/16-18	3/8-18	38,9	7/8
8	8127558-8	3/4-16	1/2-14	48,1	1.1/8
10	81275510-6	7/8-14	3/8-18	43,1	7/8
12	81275512-12	1.1/16-12	3/4-14	54,2	1.1/4
16	81275516-16	1.5/16-12	1-11.1/2	61,6	1.5/8
24	81275524-24	1.7/8-12	1.1/2-11.1/2	73,0	2.1/2

ADAPTADOR JIC 37G PORCA GIRATÓRIA X MACHO NPT



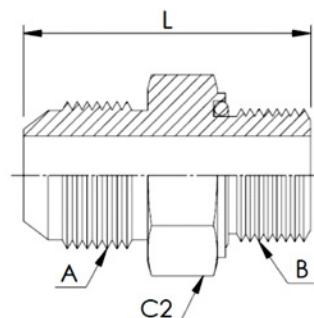
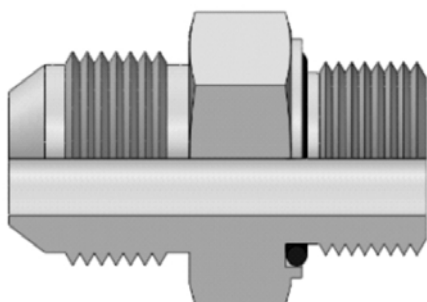
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	L8	Sext. C1 (pol.)
4	8117SS4-2	7/16-20	1/8-28	34,1	13,0
4	8117SS4-4	7/16-20	1/4-19	37,4	14,0
5	8117SS5-2	1/2-20	1/8-28	34,1	14,0
5	8117SS5-4	1/2-20	1/4-19	38,8	14,0
6	8117SS6-4	9/16-18	1/4-19	38,8	14,0
6	8117SS6-6	9/16-18	3/8-19	38,8	19,0
8	8117SS8-4	3/4-16	1/4-19	43,0	19,0
8	8117SS8-6	3/4-16	3/8-19	43,0	19,0
10	8117SS10-8	7/8-14	1/2-14	50,3	22,0
12	8117SS12-8	1.1/16-12	1/2-14	54,2	27,0
12	8117SS12-12	1.1/16-12	3/4-14	54,2	27,0
16	8117SS16-12	1.5/16-12	3/4-14	55,5	32,0
16	8117SS16-16	1.5/16-12	1-11	60,5	36,0

ADAPTADOR MACHO JIC 37G X FÊMEA NPT



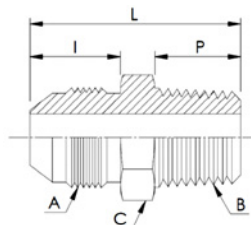
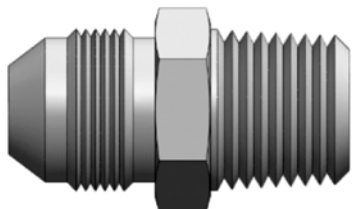
Tubo	Código	Rosca UNF classe 2A (A)	Rosca NPT (B)	L2	Sext. (C1)
4	8112SS4-2	7/16-20	1/8-27	30,20	9/16"
4	8112SS4-4	7/16-20	1/4-18	35,60	3/4"
5	8112SS5-2	1/2-20	1/8-27	29,70	9/16"
5	8112SS5-4	1/2-20	1/4-18	35,30	3/4"
6	8112SS6-4	9/16-18	1/4-18	35,60	3/4"
6	8112SS6-6	9/16-18	3/8-18	37,10	7/8"
8	8112SS8-6	3/4-16	3/8-18	40,00	7/8"
8	8112SS8-8	3/4-16	1/2-14	45,60	1.1/8"
10	8112SS10-8	7/8-14	1/2-14	48,00	1.1/8"
12	8112SS12-8	1.1/16-12	1/2-14	52,10	1.1/8"
12	8112SS12-12	1.1/16-12	3/4-14	52,30	1.3/8"
14	8112SS14-12	1.3/16-12	3/4-14	52,30	1.3/8"
16	8112SS16-16	1.5/16-12	1-11.1/2	59,70	1.5/8"
20	8112SS20-20	1.5/8-12	1.1/4-11.1/2	63,20	2"
24	8112SS24-24	1.7/8-12	1.1/2-11.1/2	66,50	2.3/8"
32	8112SS32-32	2.1/2-12	2-11.1/2	75,40	2.7/8"

ADAPTADOR MACHO JIC 37G X MACHO BSP C/ O-RING



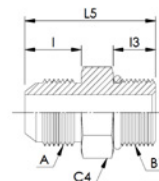
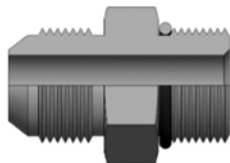
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca BSP B	L	Sext. C2 (pol.)
4	8138554-4	7/16-20	1/4-19	32,0	3/4
4	8138554-6	7/16-20	3/8-19	33,0	7/8
5	8138555-4	1/2-20	1/4-19	32,0	3/4
5	8138555-6	1/2-20	3/8-19	35,0	7/8
6	8138556-4	9/16-18	1/4-19	35,0	3/4
6	8138556-6	9/16-18	3/8-19	36,0	7/8
8	8138558-4	3/4-16	1/4-19	36,0	3/4
8	8138558-6	3/4-16	3/8-19	37,0	7/8
8	8138558-8	3/4-16	1/2-14	42,0	1.1/16
10	81385510-6	7/8-14	3/8-19	40,0	7/8
10	81385510-8	7/8-14	1/2-14	43,0	1.1/16
10	81385510-12	7/8-14	3/4-14	47,0	1.1/4
12	81385512-4	1.1/16-12	1/4-10	47,0	1.1/8
12	81385512-6	1.1/16-12	3/8-19	47,0	1.1/8
12	81385512-8	1.1/16-12	1/2-14	47,0	1.1/8
12	81385512-12	1.1/16-12	3/4-14	47,0	1.1/4
14	81385514-8	1.3/16-12	1/2-14	52,0	1.1/4
16	81385516-8	1.5/16-12	1/2-14	51,0	1.3/8
16	81385516-12	1.5/16-12	3/4-14	52,0	1.3/8
16	81385516-16	1.5/16-12	1-11	56,0	1.1/2
20	81385520-12	1.5/8-12	3/4-14	53,0	1.5/8
20	81385520-16	1.5/8-12	1-11	58,0	1.5/8
20	81385520-20	1.5/8-12	1.1/4-11	59,0	2
24	81385524-16	1.7/8-12	1-11	61,0	2
24	81385524-20	1.7/8-12	1.1/4-11	62,0	2
24	81385524-24	1.7/8-12	1.1/2-11	62,0	2.1/4

ADAPTADOR MACHO JIC 37G X MACHO NPT



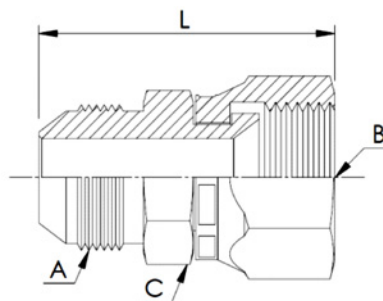
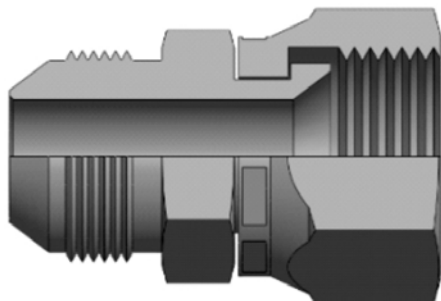
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca NPT B	I	L	P	Sext. C (pol.)
4	8105SS4-2	7/16-20	1/8-27	14,0	31,0	9,7	1/2
4	8105SS4-4	7/16-20	1/4-18	14,0	36,0	14,2	9/16
4	8105SS4-4	7/16-20	1/2-14	14,0	42,7	19,0	7/8
5	8105SS5-2	1/2-20	1/8-27	14,0	31,0	9,7	9/16
5	8105SS5-4	1/2-20	1/4-18	14,0	36,1	14,2	9/16
6	8105SS6-2	9/16-18	1/8-27	14,1	31,8	9,7	5/8
6	8105SS6-4	9/16-18	1/4-18	14,1	36,3	14,2	5/8
6	8105SS6-6	9/16-18	3/8-18	14,1	36,3	14,2	3/4
6	8105SS6-8	9/16-18	1/2-14	14,1	42,5	19,0	7/8
8	8105SS8-4	3/4-16	1/4-18	16,7	38,9	14,2	13/16
8	8105SS8-6	3/4-16	3/8-18	16,7	38,9	14,2	13/16
8	8105SS8-8	3/4-16	1/2-14	16,7	45,4	19,0	7/8
8	8105SS8-12	3/4-16	3/4-14	16,7	47,0	19,0	1.1/8
10	8105SS10-6	7/8-14	3/8-18	19,3	43,1	14,2	15/16
10	8105SS10-8	7/8-14	1/2-14	19,3	48,0	19,0	15/16
10	8105SS10-12	7/8-14	3/4-14	19,3	49,5	19,0	1.1/8
12	8105SS12-8	1.1/16-12	1/2-14	21,9	52,3	19,0	1.1/8
12	8105SS12-12	1.1/16-12	3/4-14	21,9	52,3	19,0	1.1/8
12	8105SS12-16	1.1/16-12	1-11.1/2	21,9	57,1	23,9	1.3/8
14	8105SS14-12	1.3/16-12	3/4-14	22,6	53,1	19,0	1.1/4
16	8105SS16-12	1.5/16-12	3/4-14	23,1	53,5	19,0	1.3/8
16	8105SS16-16	1.5/16-12	1-11.1/2	23,1	58,4	23,9	1.3/8
20	8105SS20-16	1.5/8-12	1-11.1/2	24,3	61,5	23,9	1.11/16
20	8105SS20-20	1.5/8-12	1.1/4-11.1/2	24,3	62,2	24,6	1.11/16
20	8105SS20-24	1.5/8-12	1.1/2-11.1/2	24,3	64,8	25,4	2
24	8105SS24-20	1.7/8-12	1.1/4-11.1/2	27,5	68,1	24,6	2
24	8105SS24-24	1.7/8-12	1.1/2-11.1/2	27,5	68,1	25,4	2
32	8105SS32-32	2.1/2-12	2-11.1/2	33,9	79,0	26,2	2.5/8

ADAPTADOR MACHO JIC 37G X MACHO UNF



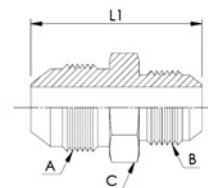
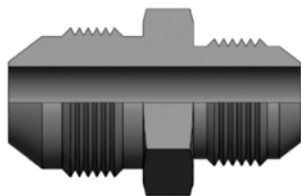
Tubo	CÓD	Rosca UNF classe 2A A	Rosca UNF classe 2A B1	I	I3	L5	Sext. C4 (pol.)
4	812955-4	7/16-20	7/16-20	14,0	9,1	31,2	9/16
4	812955-5	7/16-20	1/2-20	14,0	9,1	31,2	5/8
4	812955-6	7/16-20	9/16-18	14,0	9,9	32,5	11/16
4	812955-8	7/16-20	3/4-16	14,0	11,1	35,1	7/8
5	812955-5	1/2-20	1/2-20	14,0	9,1	31,2	5/8
6	812955-4	9/16-18	7/16-20	14,1	9,1	32,8	5/8
6	812955-6	9/16-18	9/16-18	14,1	9,9	33,0	11/16
6	812955-8	9/16-18	3/4-16	14,1	11,1	35,1	7/8
6	812955-10	9/16-18	7/8-14	14,1	12,7	38,1	1
6	812955-12	9/16-18	1.1/16-12	14,1	15,1	42,2	1.1/4
8	812955-4	3/4-16	7/16-20	16,7	9,1	36,5	7/8
8	812955-6	3/4-16	9/16-18	16,7	9,9	36,6	13/16
8	812955-8	3/4-16	3/4-16	16,7	11,1	37,6	7/8
8	812955-10	3/4-16	7/8-14	16,7	12,7	40,4	1
8	812955-12	3/4-16	1.1/16-12	16,7	15,1	45,0	1.1/4
10	812955-8	7/8-14	3/4-16	19,3	11,1	41,7	15/16
10	812955-10	7/8-14	7/8-14	19,3	12,7	43,2	1
10	812955-12	7/8-14	1.1/16-12	19,3	15,1	47,2	1.1/4
12	812955-8	1.1/16-12	3/4-16	21,9	11,7	49,3	1.1/8
12	812955-10	1.1/16-12	7/8-14	21,9	12,7	47,8	1.1/8
12	812955-12	1.1/16-12	1.1/16-12	21,9	15,1	50,0	1.1/4
12	812955-16	1.1/16-12	1.5/16-12	21,9	15,1	50,5	1.1/2
12	812955-20	1.1/16-12	1.5/8-12	21,9	15,1	52,8	1.7/8
14	812955-14	1.3/16-12	1.3/16-12	22,6	15,1	50,5	1.3/8
14	812955-16	1.3/16-12	1.5/16-12	22,6	15,1	51,3	1.1/2
16	812955-12	1.5/16-12	1.1/16-12	23,1	15,1	51,8	1.1/2
16	812955-14	1.5/16-12	1.3/16-12	23,1	15,1	52,1	1.3/8
16	812955-16	1.5/16-12	1.5/16-12	23,1	15,1	52,1	1.1/2
16	812955-20	1.5/16-12	1.5/8-12	23,1	15,1	54,1	1.7/8

ADAPTADOR MACHO JIC 37G X PORCA GIRATÓRIA



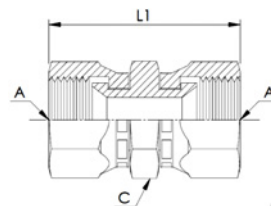
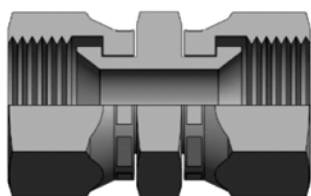
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca UNF Classe 2A B	L	Sext. C (pol.)
4	8118SS4-4	7/16-20	7/16-20	35,3	9/16
6	8118SS6-4	9/16-18	7/16-20	38,1	5/8
6	8118SS6-6	9/16-18	9/16-18	38,1	5/8
8	8118SS8-6	3/4-16	9/16-18	43,4	13/16
8	8118SS8-8	3/4-16	3/4-16	43,7	13/16
10	8118SS10-8	7/8-14	3/4-16	49,0	15/16
10	8118SS10-10	7/8-14	7/8-14	51,1	1
12	8118SS12-10	1.1/16-12	7/8-14	55,9	1.1/8
12	8118SS12-12	1.1/16-12	1.1/16-12	57,7	1.1/4
16	8118SS16-12	1.5/16-12	1.1/16-12	58,7	1.1/2
16	8118SS16-16	1.5/16-12	1.5/16-12	62,7	1.1/2
20	8118SS20-16	1.5/8-12	1.5/16-12	63,5	1.3/4

ADAPTADOR REDUÇÃO MACHO JIC 37G



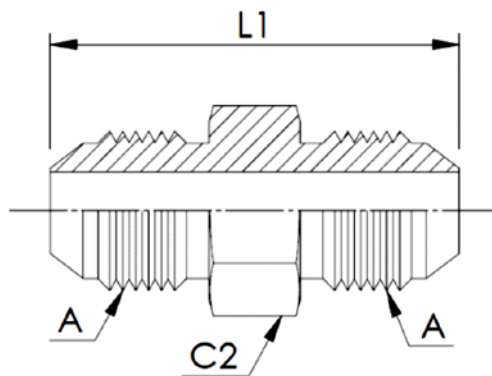
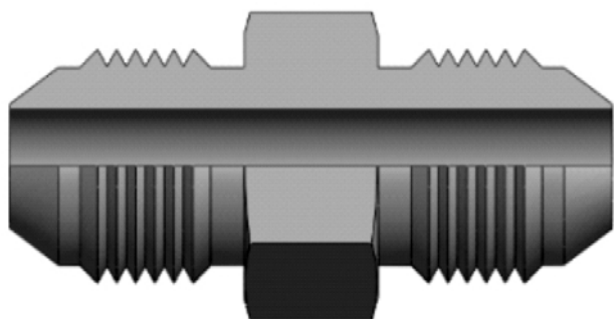
Tubo	Código	Rosca UNF classe 2A (A)	Rosca UNF classe 2A (B)	L1	Sext. C (pol.)
5	8107SS5-4	1/2-20	7/16-20	34,80	9/16"
6	8107SS6-4	9/16-18	7/16-20	35,80	5/8"
8	8107SS8-4	3/4-16	7/16-20	38,60	1"
8	8107SS8-6	3/4-16	9/16-18	41,10	13/16"
10	8107SS10-8	7/8-14	3/4-16	47,80	15/16"
12	8107SS12-8	1.1/16-12	3/4-16	54,90	1.1/8"
14	8107SS14-8	1.3/16-12	3/4-16	56,10	1.1/4"
16	8107SS16-10	1.5/16-12	1.3/16-12	57,20	1.3/8"
16	8107SS16-12	1.5/16-12	1.1/16-12	57,20	1.3/8"
20	8107SS20-12	1.5/8-12	1.1/16-12	61,70	1.3/4"
24	8107SS24-20	1.7/8-12	1.5/8-12	69,80	2"
32	8107SS32-24	2.1/2-12	2.7/8-12	86,40	2.5/8"

ADAPTADOR UNIÃO JIC 37G PORCA GIRATÓRIA



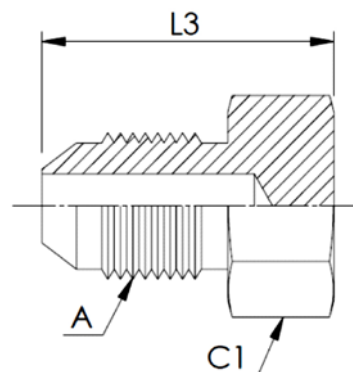
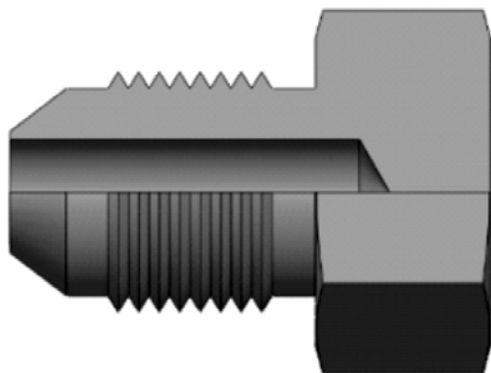
Tubo	CÓD	Rosca UNF classe 2A A	L1	Sext. C(pol.)
4	8119SS4	7/16-20	36,5	9/16
5	8119SS5	1/2-20	43,5	5/8
6	8119SS6	9/16-18	43,5	11/16
8	8119SS8	3/4-16	49,6	7/8
10	8119SS10	7/8-14	56,2	1
12	8119SS12	1.1/16-12	59,7	1.1/4
16	8119SS16	1.5/16-12	65,3	1.1/2

ADAPTADOR UNIÃO MACHO JIC 37G



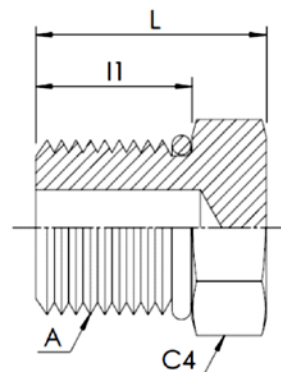
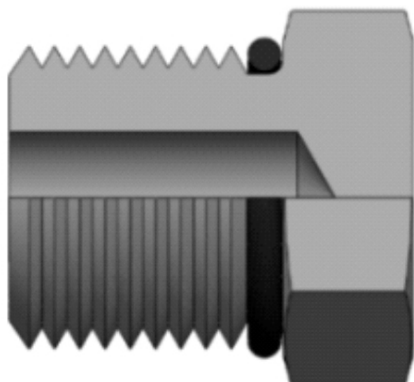
Tubo	CÓD	Rosca UNF classe 2A (A)	L1	"Sext. C2 (pol.)"
4	8106554	7/16-20	34,8	11/16
5	8106555	1/2-20	34,8	3/4
6	8106556	9/16-18	35,8	13/16
8	8106558	3/4-16	41,1	1
10	81065510	7/8-14	47,8	1.1/8
12	81065512	1.1/16-12	54,9	1.3/8
14	81065514	1.3/16-12	56,1	1.1/2
16	81065516	1.5/16-12	57,2	1.5/8
20	81065520	1.5/8-12	61,7	1.7/8
24	81065524	1.7/8-12	69,8	2.1/8
32	81065532	2.1/2-12	86,4	2.3/4

BUJÃO MACHO JIC 37G



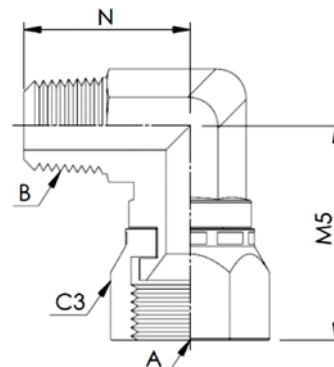
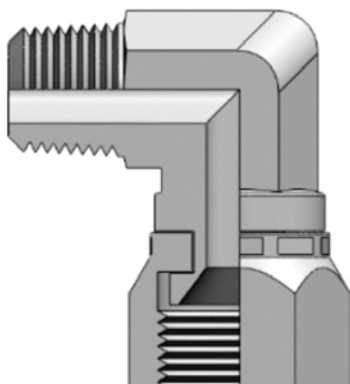
Tubo	Código	Rosca UNF classe 2A (A)	L3	Sext. C1 (pol.)
4	8101554	7/16-20	20,30	1/2"
5	8101555	1/2-20	20,30	9/16"
6	8101556	9/16-18	21,30	5/8"
8	8101558	3/4-16	23,90	13/16"
10	81015510	7/8-14	27,90	15/16"
12	81015512	1.1/16-12	32,50	1.1/8"
14	81015514	1.3/16-12	33,30	1.1/4"
16	81015516	1.5/16-12	33,80	1.3/8"
20	81015520	1.5/8-12	36,80	1.11/16"
24	81015524	1.7/8-12	41,90	2"
32	81015532	2.1/2-12	52,10	2.5/8"

BUJÃO MACHO UNF O-RING



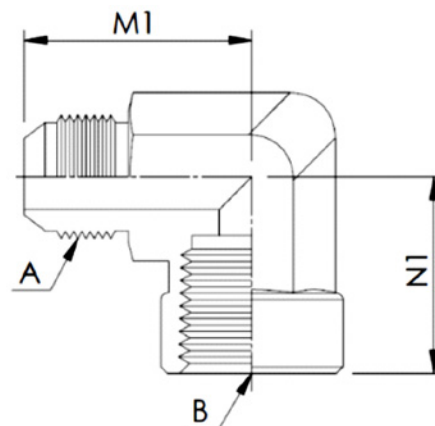
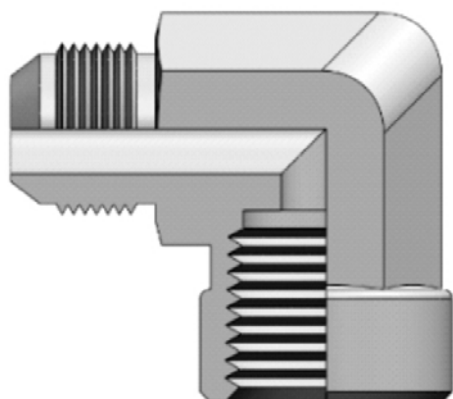
Tubo	CÓD	Rosca UNF classe 2A (A)	l1	L	Sext. C4 (pol.)
4	8101SS4UNF	7/16-20	9,1	17,0	9/16
5	8101SS5UNF	1/2-20	9,1	17,0	5/8
6	8101SS6UNF	9/16-18	9,9	18,5	11/16
8	8101SS8UNF	3/4-16	11,2	20,3	7/8
10	8101SS10UNF	7/8-14	12,7	23,6	1
12	8101SS12UNF	1.1/16-12	15,0	27,7	1.1/4
14	8101SS14UNF	1.3/16-12	15,0	27,7	1.3/8
16	8101SS16UNF	1.5/16-12	15,0	28,4	1.1/2
20	8101SS20UNF	1.5/8-12	15,0	30,5	1.7/8
24	8101SS24UNF	1.7/8-12	15,0	32,3	2.1/8
32	8101SS32UNF	2.1/2-12	15,0	36,3	2.3/4

COTOVELO 90G JIC 37G PORCA GIRATÓRIA X MACHO NPT



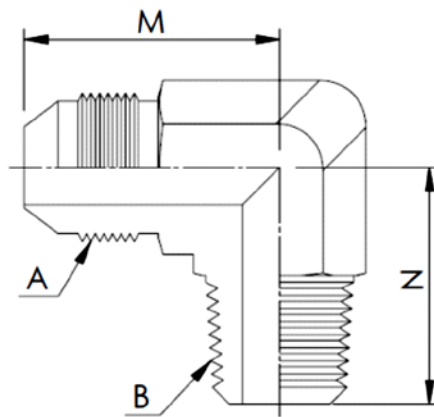
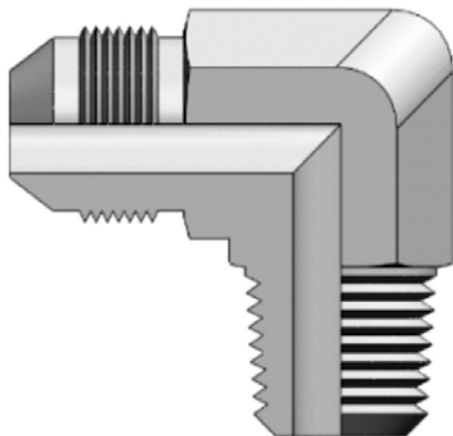
Tubo	CÓD	Rosca UNF classe 2A (A)	Sext. C3 (pol.)	"Rosca NPT B"	M5	N
4	8120554-2	7/16-20	9/16	1/8-28	25	19,8
4	8120554-4	7/16-20	9/16	1/4-19	25	27,7
5	8120555-2	1/2-20	5/8	1/8-28	27	19,8
5	8120555-4	1/2-20	5/8	1/4-19	27	27,7
6	8120556-4	9/16-18	11/16	1/4-19	32	27,7
6	8120556-6	9/16-18	11/16	3/8-19	32	31,0
6	8120556-8	9/16-18	11/16	1/2-14	32	37,3
8	8120558-4	3/4-16	7/8	1/4-19	35	31,0
8	8120558-6	3/4-16	7/8	3/8-19	35	31,0
8	8120558-8	3/4-16	7/8	1/2-14	35	37,3
10	81205510-6	7/8-14	1	3/8-19	41	32,5
10	81205510-8	7/8-14	1	1/2-14	42	37,3
12	81205510-12	7/8-14	1	3/4-14	44	40,4
12	81205512-8	1.1/16-12	1.1/4	1/2-14	45	40,4
12	81205512-12	1.1/16-12	1.1/	3/4-14	51	40,4
16	81205516-12	1.5/16-12	1.1/2	3/4-14	59	45,2
16	81205516-16	1.5/16-12	1.1/2	1-11	66	50,0

COTOVELO 90G MACHO JIC 37G X FÊMEA NPT



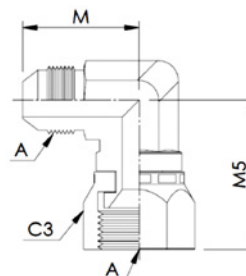
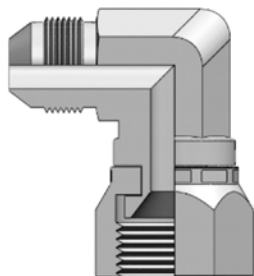
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca NPT B	M1	N1
4	811355-4-2	7/16-20	1/8-27	27,4	16,8
4	811355-4-4	7/16-20	1/4-18	30,9	22,4
5	811355-5-2	1/2-20	1/8-27	27,4	16,8
5	811355-5-4	1/2-20	1/4-18	30,9	22,4
6	811355-6-2	9/16-18	1/8-27	26,9	16,8
6	811355-6-4	9/16-18	1/4-18	31,2	22,4
6	811355-6-6	9/16-18	3/8-18	31,2	25,9
8	811355-8-4	3/4-16	1/4-18	31,6	22,4
8	811355-8-6	3/4-16	3/8-18	36,1	25,9
8	811355-8-8	3/4-16	1/2-14	36,1	31,2
10	811355-10-8	7/8-14	1/2-14	41,7	31,2
12	811355-12-8	1.1/16-12	1/2-14	42,1	31,2
12	811355-12-12	1.1/16-12	3/4-14	48,0	34,5
14	811355-14-12	1.3/16-12	3/4-14	47,2	34,2
16	811355-16-16	1.5/16-12	1-11.1/2	55,1	41,1

COTOVELO 90G MACHO JIC 37G X MACHO NPT



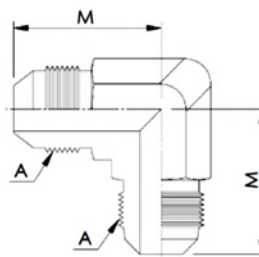
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca NPT B	M	N
4	8110554-2	7/16-20	1/8-28	22,6	19,8
4	8110554-4	7/16-20	1/4-19	26,6	27,7
5	8110555-2	1/2-20	1/8-28	24,1	19,8
5	8110555-4	1/2-20	1/4-19	26,6	27,7
6	8110556-4	9/16-18	1/4-19	26,9	27,7
6	8110556-6	9/16-18	3/8-19	29,0	31,0
6	8110556-8	9/16-18	1/2-14	31,0	37,3
8	8110558-4	3/4-16	1/4-19	31,8	31,0
8	8110558-6	3/4-16	3/8-19	31,8	31,0
8	8110558-8	3/4-16	1/2-14	33,8	37,3
10	81105510-6	7/8-14	3/8-19	36,5	32,5
10	81105510-8	7/8-14	1/2-14	36,8	37,3
10	81105510-12	7/8-14	3/4-14	39,2	40,4
12	81105512-8	1.1/16-12	1/2-14	42,2	40,4
12	81105512-12	1.1/16-12	3/4-14	42,2	40,4
16	81105516-12	1.5/16-12	3/4-14	46,0	45,2
16	81105516-16	1.5/16-12	1-11	46,0	50,0
20	81105520-16	1.5/8-12	1-11	52,3	59,7

COTOVELO 90G MACHO JIC 37G X PORCA GIRATÓRIA JIC 37G



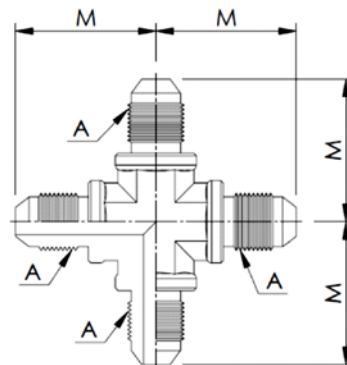
Tubo	CÓD	Rosca UNF classe 2A (A)	M	M5	Sext. C3 (pol.)
4	8111SS4	7/16-20	22,6	25,4	9/16
5	8111SS5	1/2-20	24,1	26,9	5/8
6	8111SS6	9/16-18	26,9	31,8	11/16
8	8111SS8	3/4-16	31,8	35,1	7/8
10	8111SS10	7/8-14	36,8	41,1	1
12	8111SS12	1.1/16-12	42,2	44,4	1.1/4
14	8111SS14	1.3/16-12	45,7	45,2	1.3/8
16	8111SS16	1.5/16-12	46,0	50,8	1.1/2

COTOVELO UNIÃO MAC 90G JIC 37G



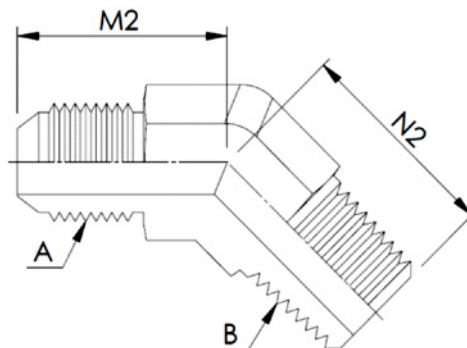
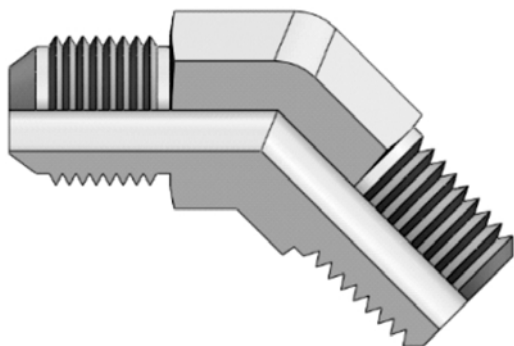
Tubo	CÓD	Rosca UNF classe 2A (A)	M
4	8108SS4-4	7/16-20	22,6
5	8108SS5-5	1/2-20	24,1
6	8108SS6-6	9/16-18	26,9
8	8108SS8-8	3/4-16	31,8
10	8108SS10-10	7/8-14	36,8
12	8108SS12-12	1.1/16-12	42,2
14	8108SS14-14	1.3/16-12	45,7
16	8108SS16-16	1.5/16-12	46,0

CRUZETA MACHO JIC 37G



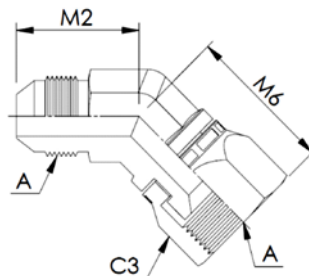
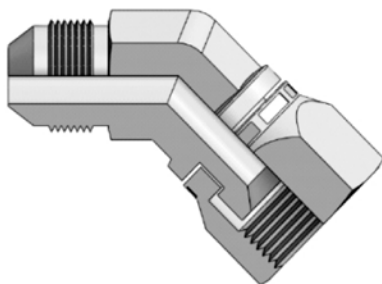
Tubo	CÓD	Rosca UNF classe 2A (A)	M
4	8133554	7/16-20	22,6
5	8133555	1/2-20	24,1
6	8133556	9/16-18	26,9
8	8133558	3/4-16	31,8
10	81335510	7/8-14	36,8
12	81335512	1.1/16-12	42,2
16	81335516	1.3/16-12	45,7

CURVA 45G MACHO JIC 37G X MACHO NPT



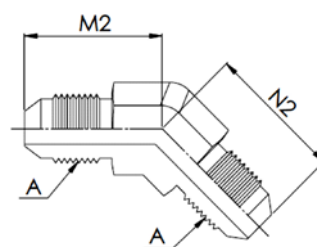
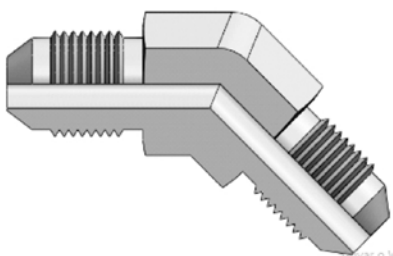
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca NPT B	M2	N2
4	811455-4-2	7/16-20	1/8-27	18,3	16,3
4	811455-4-4	7/16-20	1/4-18	21,1	21,8
5	811455-5-2	1/2-20	1/8-27	19,6	16,3
5	811455-5-4	1/2-20	1/4-18	21,1	21,8
6	811455-6-2	9/16-18	1/8-27	21,1	17,3
6	811455-6-4	9/16-18	1/4-18	21,1	21,8
6	811455-6-6	9/16-18	3/8-18	22,0	24,1
6	811455-6-8	9/16-18	1/2-14	22,3	29,7
8	811455-8-4	3/4-16	1/4-18	24,9	24,1
8	811455-8-6	3/4-16	3/8-18	24,9	24,1
8	811455-8-8	3/4-16	1/2-14	25,1	29,7
8	811455-8-12	3/4-16	3/4-14	26,4	30,5
10	811455-10-6	7/8-14	3/8-18	28,2	24,9
10	811455-10-8	7/8-14	1/2-14	28,2	29,7
12	811455-12-8	1.1/16-12	1/2-14	32,5	30,5
12	811455-12-12	1.1/16-12	3/4-14	32,5	30,5
14	811455-14-12	1.3/16-12	3/4-14	35,3	33,0
16	811455-16-12	1.5/16-12	3/4-14	37,3	32,7
16	811455-16-16	1.5/16-12	1-11.1/2	37,3	37,6

CURVA 45G MACHO JIC 37G X PORCA GIRATÓRIA JIC 37G



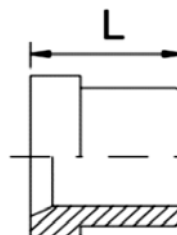
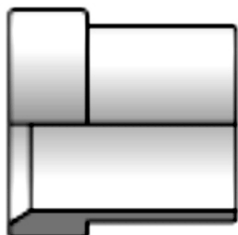
Tubo	CÓD	Rosca UNF classe 2A (A)	M2	M6	Sext. C3 (pol.)
4	8116SS4	7/16-20	18,3	23,9	9/16
5	8116SS5	1/2-20	19,6	25,4	5/8
6	8116SS6	9/16-18	21,1	28,4	11/16
8	8116SS8	3/4-16	24,9	32,5	7/8
10	8116SS10	7/8-14	28,2	36,6	1
12	8116SS12	1.1/16-12	32,5	38,1	1.1/4
14	8116SS14	1.3/16-12	36,8	41,1	1.3/8
16	8116SS16	1.5/16-12	37,3	44,4	1.1/2

CURVA 45G MACHO JIC 37G



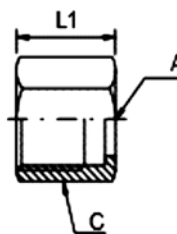
Tubo	CÓD	Rosca UNF classe 2A (A)	M2	N2
4	8115SS4	7/16-20	21,1	21,8
5	8115SS5	1/2-20	21,1	21,8
6	8115SS6	9/16-18	21,1	17,3
8	8115SS8	3/4-16	24,9	24,1
10	8115SS10	7/8-14	28,2	24,9
12	8115SS12	1.1/16-12	32,5	30,5
14	8115SS14	1.3/16-12	3/4-14	35,3
16	8115SS16	1.5/16-12	1-11.1/2	37,3

LUVA PARA TUBO JIC 37G



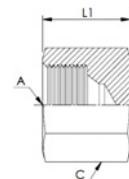
Tubo	CÓD	L	Tubo	CÓD	L
4	8104554	10,4	14	81045514	19,3
5	8104555	11,2	16	81045516	19,8
6	8104556	12,7	20	81045520	23,1
8	8104558	14,2	24	81045524	28,4
10	81045510	16,8	32	81045532	30,2
12	81045512	17,3			

PORCA PARA TUBO JIC 37G



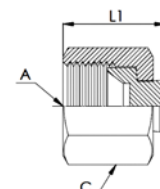
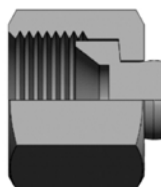
Tubo	CÓD	Rosca UNF classe 2A (A)	L1	Sext. C (pol.)
4	8103554	7/16-20	15,8	9/16
5	8103555	1/2-20	17,3	5/8
6	8103556	9/16-18	18,5	11/16
8	8103558	3/4-16	21,6	7/8
10	81035510	7/8-14	24,9	1
12	81035512	1.1/16-12	26,2	1.1/4
14	81035514	1.3/16-12	27,7	1.3/8
16	81035516	1.5/16-12	28,7	1.1/2
20	81035520	1.5/8-12	31,2	2
24	81035524	1.7/8-12	36,1	2.1/4
32	81035532	2.1/2-12	44,5	2.7/8

TAMPÃO FÊMEA JIC 37G



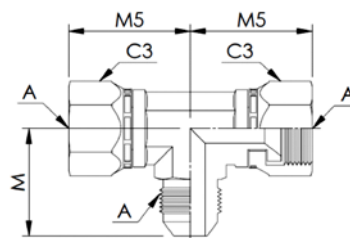
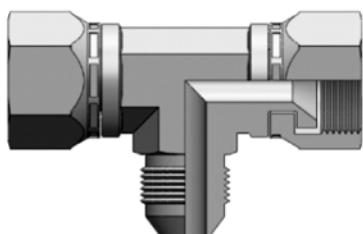
Tubo	Código	Rosca UNF classe 2A (A)	L1	"Sext.C (pol.)"
4	8102554	7/16-20	15,90	9/16"
6	8102556	9/16-18	15,90	11/16"
8	8102558	3/4-16	19,00	7/8"
10	81025510	7/8-14	21,40	1"
12	81025512	1.1/16-12	23,00	1.1/4"
14	81025514	1.3/16-12	24,60	1.3/8"
16	81025516	1.5/16-12	25,80	1.1/2"
20	81025520	1.5/8-12	27,00	2"
24	81025524	1.7/8-12	30,20	2.1/4"
32	81025532	2.1/2-12	36,50	2.7/8"

TAMPÃO FÊMEA GIRATÓRIO JIC 37G



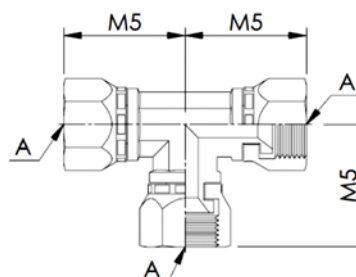
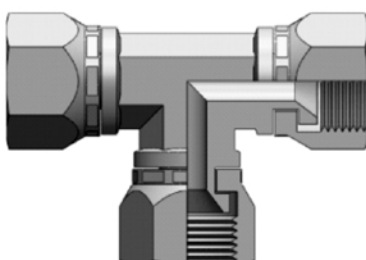
Tubo	Código	Rosca UNF classe 2A (A)	L1	"Sext. C (pol.)"
4	8102554G	7/16-20	17,00	9/16"
6	8102556G	9/16-18	21,00	11/16"
8	8102558G	3/4-16	24,00	7/8"
10	81025510G	7/8-14	27,00	1"
12	81025512G	1.1/16-12	31,00	1.1/4"
14	81025514G	1.3/16-12	32,00	1.3/8"
16	81025516G	1.5/16-12	33,00	1.1/2"
20	81025520G	1.5/8-12	36,00	2"
24	81025524G	1.7/8-12	43,00	2.1/4"
32	81025532G	2.1/2-12	51,00	2.7/8"

TEE MACHO CENTRAL JIC 37G X PORCA GIRATÓRIA LATERAL JIC 37G



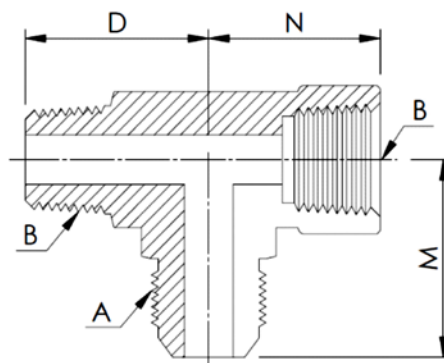
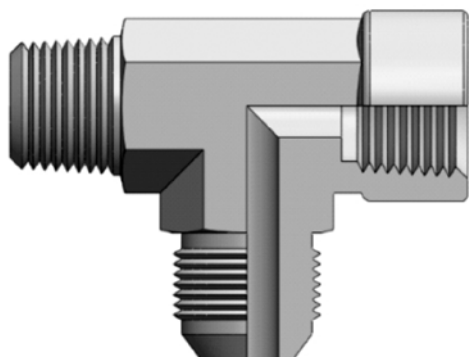
Tubo	CÓD	Rosca UNF classe 2A (A)	M	M5	Sext. C3 (pol.)
4	8139554	7/16-20	22,6	25,4	9/16
5	8139555	1/2-20	24,1	26,9	5/8
6	8139556	9/16-18	26,9	31,8	11/16
8	8139558	3/4-16	31,8	35,1	7/8
10	81395510	7/8-14	36,8	41,1	1
12	81395512	1.1/16-12	42,2	44,4	1.1/4
14	81395514	1.3/16-12	45,7	45,2	1.3/8
16	81395516	1.5/16-12	46,0	50,8	1.1/2

TEE UNIÃO JIC 37G PORCA GIRATÓRIA



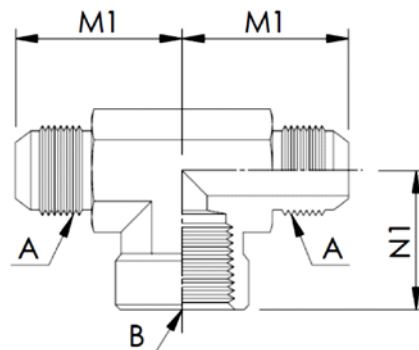
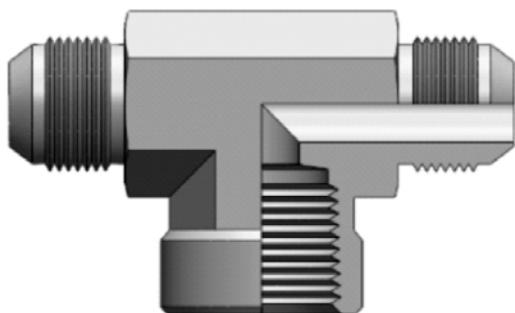
Tubo	CÓD	Rosca UNF classe 2A A	M5
4	8124554	7/16-20	25,4
5	8124555	1/2-20	28,40
6	8124556	9/16-18	31,8
8	8124558	3/4-16	35,1
10	81245510	7/8-14	41,1
12	81245512	1.1/16-12	44,5
16	81245516	1.5/16-12	50,8

TEE MACHO CENTRAL JIC 37G X MACHO E FEMEA LATERAL NPT



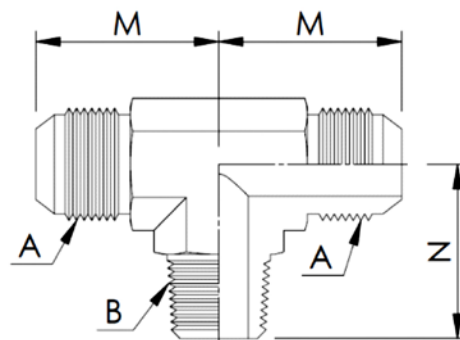
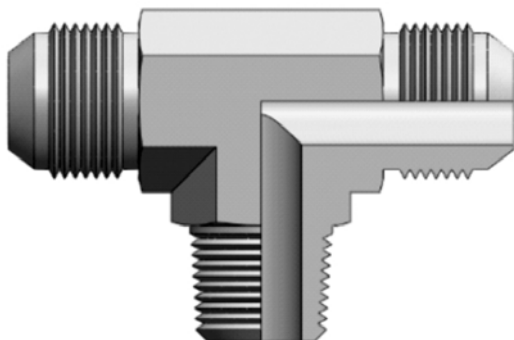
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	M	N	D
4	8134554-2	7/16-20	1/8-27	27,4	18	19,8
4	8134554-4	7/16-20	1/4-18	27,4	25	27,7
5	8134555-2	1/2-20	1/8-27	27,4	18	19,8
5	8134555-4	1/2-20	1/4-18	30,9	25	27,7
6	8134556-2	9/16-18	1/8-27	31,2	18	22,8
6	8134556-4	9/16-18	1/4-18	31,2	25	27,7
6	8134556-6	9/16-18	3/8-18	31,2	28	31,0
8	8134558-4	3/4-16	1/4-18	31,2	25	37,3
8	8134558-6	3/4-16	3/8-18	36,1	28	31,0
8	8134558-8	3/4-16	1/2-14	36,1	33	31,0
10	81345510-8	7/8-14	1/2-14	41,7	33	37,3
12	81345512-8	1.1/16-12	1/2-14	48,0	33	40,4
12	81345512-12	1.1/16-12	3/4-14	48,0	38	33,0
14	81345514-12	1.3/16-12	3/4-14	47,2	38	37,3
16	81345516-16	1.5/16-12	1-11.1/2	55,1	45	40,4

TEE MACHO LATERAL JIC 37G X FEMEA CENTRAL NPT



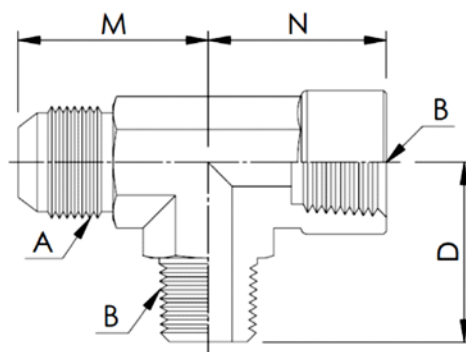
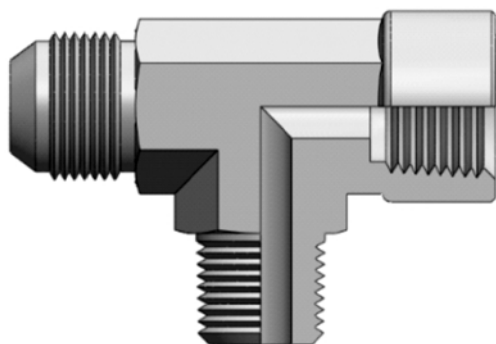
Tubo	CÓD	Rosca UNF classe 2A A	Ros- ca NPT B	M1	N1
4	8123554-2	7/16-20	1/8-27	27,4	16,8
4	8123554-4	7/16-20	1/4-18	27,4	22,4
5	8123555-2	1/2-20	1/8-27	27,4	16,8
5	8123555-4	1/2-20	1/4-18	30,9	22,4
6	8123556-2	9/16-18	1/8-27	31,2	16,8
6	8123556-4	9/16-18	1/4-18	31,2	22,4
6	8123556-6	9/16-18	3/8-18	31,2	25,9
8	8123558-4	3/4-16	1/4-18	31,2	22,4
8	8123558-6	3/4-16	3/8-18	36,1	25,9
8	8123558-8	3/4-16	1/2-14	36,1	31,2
10	81235510-8	7/8-14	1/2-14	41,7	31,2
12	81235512-8	1.1/16-12	1/2-14	48,0	31,2
12	81235512-12	1.1/16-12	3/4-14	48,0	34,5
14	81235514-12	1.3/16-12	3/4-14	47,2	34,5
16	81235516-16	1.5/16-12	1-11.1/2	55,1	41,1

TEE MACHO LATERAL JIC 37G X MACHO CENTRAL NPT



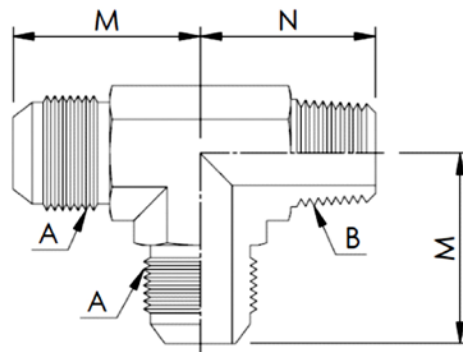
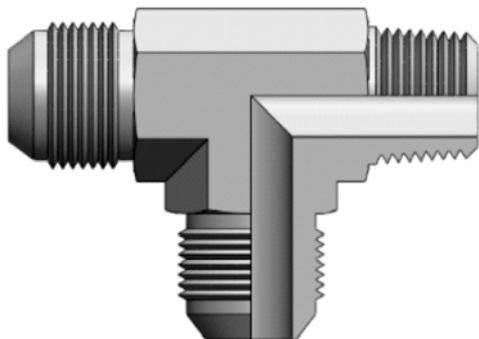
Tubo	CÓD	Rosca UNF classe 2A (A)	Rosca NPT B	M	N
4	8122554-2	7/16-20	1/8-27	22,6	19,8
4	8122554-4	7/16-20	1/4-18	26,9	27,7
5	8122555-2	1/2-20	1/8-27	24,1	19,8
5	8122555-4	1/2-20	1/4-18	26,9	27,7
6	8122556-2	9/16-18	1/8-27	26,9	27,7
6	8122556-4	9/16-18	1/4-18	26,9	27,7
6	8122556-6	9/16-18	3/8-18	26,9	31,0
6	8122556-8	9/16-18	1/2-14	31,8	37,3
8	8122558-4	3/4-16	1/4-18	31,8	31,0
8	8122558-6	3/4-16	3/8-18	31,8	31,0
8	8122558-8	3/4-16	1/2-14	31,8	37,3
8	8122558-12	3/4-16	3/4-14	36,0	40,4
10	81225510-6	7/8-14	3/8-18	36,8	33,0
10	81225510-8	7/8-14	1/2-14	36,8	37,3
10	81225510-12	7/8-14	3/4-14	36,8	40,4
12	81225512-8	1.1/16-12	1/2-14	42,2	40,4
12	81225512-12	1.1/16-12	3/4-14	42,2	40,4
14	81225514-12	1.3/16-12	3/4-14	45,7	42,9
16	81225516-12	1.5/16-12	3/4-14	46,0	45,2
16	81225516-16	1.5/16-12	1-11.1/2	46,0	50,0

TEE MACHO LATERAL JIC 37G X MACHO E FEMEA CENTRAL E LATERAL NPT



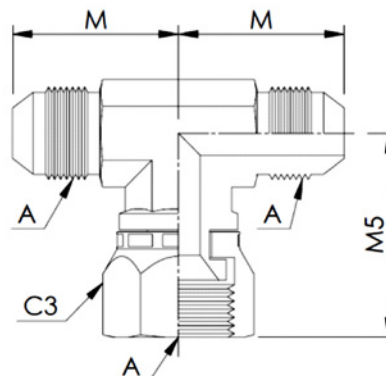
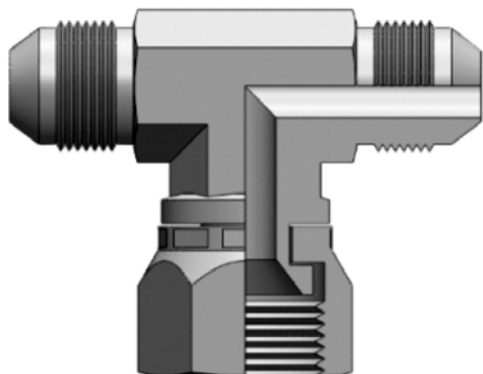
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	M	N	D
4	8136554-2	7/16-20	1/8-27	27,4	18	19,8
4	8136554-4	7/16-20	1/4-18	27,4	25	27,7
5	8136555-2	1/2-20	1/8-27	27,4	18	19,8
5	8136555-4	1/2-20	1/4-18	30,9	25	27,7
6	8136556-2	9/16-18	1/8-27	31,2	18	22,8
6	8136556-4	9/16-18	1/4-18	31,2	25	27,7
6	8136556-6	9/16-18	3/8-18	31,2	28	31,0
8	8136558-4	3/4-16	1/4-18	31,2	25	37,3
8	8136558-6	3/4-16	3/8-18	36,1	28	31,0
8	8136558-8	3/4-16	1/2-14	36,1	33	31,0
10	81365510-8	7/8-14	1/2-14	41,7	33	37,3
12	81365512-8	1.1/16-12	1/2-14	48,0	33	40,4
12	81365512-12	1.1/16-12	3/4-14	48,0	38	33,0
14	81365514-12	1.3/16-12	3/4-14	48,0	38	37,3
16	81365516-16	1.5/16-12	1-11.1/2	55,1	45	40,4

TEE MACHO JIC 37G X LATERAL NPT



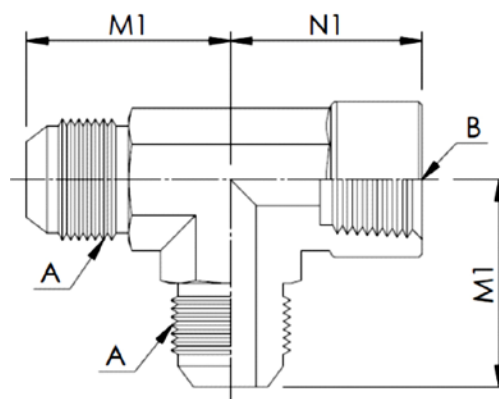
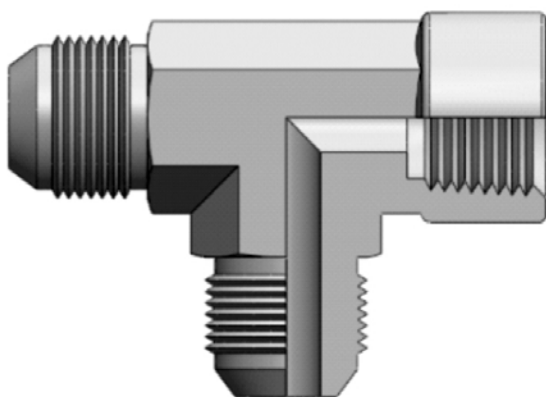
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	M	N
4	8137554-2	7/16-20	1/8-27	27,4	19,8
4	8137554-4	7/16-20	1/4-18	27,4	27,7
5	8137555-2	1/2-20	1/8-27	27,4	19,8
5	8137555-4	1/2-20	1/4-18	30,9	27,7
6	8137556-2	9/16-18	1/8-27	31,2	22,8
6	8137556-4	9/16-18	1/4-18	31,2	27,7
6	8137556-6	9/16-18	3/8-18	31,2	31,0
6	8137556-8	9/16-18	1/2-14	31,8	37,3
8	8137558-4	3/4-16	1/4-18	31,2	31,0
8	8137558-6	3/4-16	3/8-18	36,1	31,0
8	8137558-8	3/4-16	1/2-14	36,1	37,3
8	8137558-12	3/4-16	3/4-14	38,5	40,4
10	81375510-6	7/8-14	3/8-18	38,5	33,0
10	81375510-8	7/8-14	1/2-14	41,7	37,3
10	81375510-12	7/8-14	3/4-14	38,9	40,4
12	81375512-8	1.1/16-12	1/2-14	48,0	40,4
12	81375512-12	1.1/16-12	3/4-14	48,0	40,4
14	81375514-12	1.3/16-12	3/4-14	48,0	42,9
16	81375516-12	1.5/16-12	3/4-14	48,0	50,0
16	81375516-16	1.5/16-12	1-11.1/2	55,0	50,0

TEE MACHO JIC 37G X PORCA GIRATÓRIA



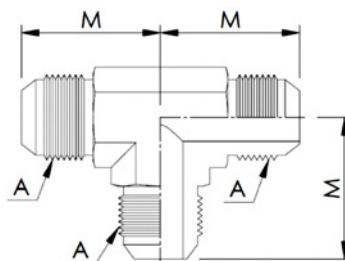
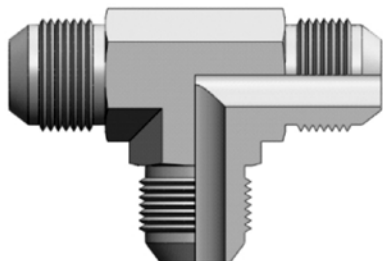
Tubo	CÓD	Rosca UNF classe 2A (A)	M	M5	Sext. C3 (pol.)
4	8126SS4	7/16-20	22,6	25,4	9/16
5	8126SS5	1/2-20	24,1	26,9	5/8
6	8126SS6	9/16-18	26,9	31,8	11/16
8	8126SS8	3/4-16	31,8	35,1	7/8
10	8126SS10	7/8-14	36,8	41,1	1
12	8126SS12	1.1/16-12	42,2	44,4	1.1/4
14	8126SS14	1.3/16-12	45,7	45,2	1.3/8
16	8126SS16	1.5/16-12	46,0	50,8	1.1/2

TEE MACHO LATERAL E CENTRAL JIC 37G X FEMEA LATERAL NPT



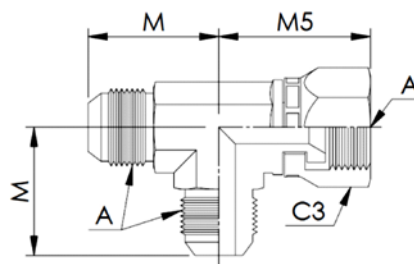
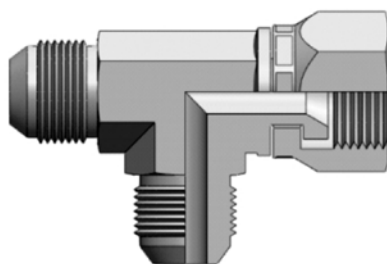
Tubo	CÓD	Rosca UNF classe 2A A	Rosca NPT B	M1	N1
4	8135554-2	7/16-20	1/8-27	27,4	18
4	8135554-4	7/16-20	1/4-18	27,4	25
5	8135555-2	1/2-20	1/8-27	27,4	18
5	8135555-4	1/2-20	1/4-18	30,9	25
6	8135556-2	9/16-18	1/8-27	31,2	18
6	8135556-4	9/16-18	1/4-18	31,2	25
6	8135556-6	9/16-18	3/8-18	31,2	28
8	8135558-4	3/4-16	1/4-18	31,2	25
8	8135558-6	3/4-16	3/8-18	36,1	28
8	8135558-8	3/4-16	1/2-14	36,1	33
10	81355510-8	7/8-14	1/2-14	41,7	33
12	81355512-8	1.1/16-12	1/2-14	48,0	33
12	81355512-12	1.1/16-12	3/4-14	48,0	38
14	81355514-12	1.3/16-12	3/4-14	47,2	38
16	81355516-16	1.5/16-12	1-11.1/2	55,1	45

TEE MACHO UNIÃO JIC 37G



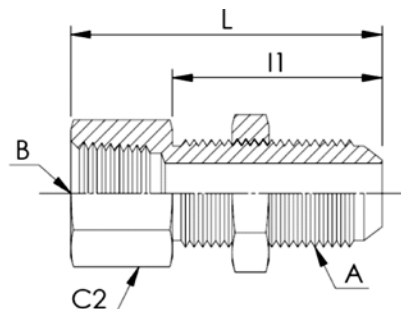
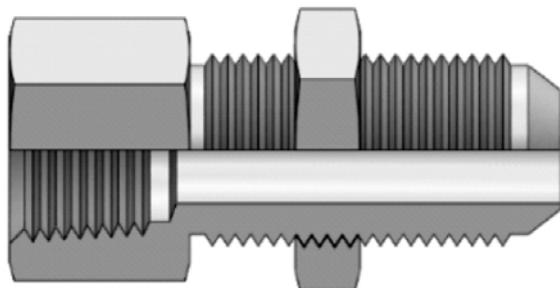
Tubo	CÓD	Rosca UNF classe 2A (A)	M
4	8121554	7/16-20	22,6
5	8121555	1/2-20	24,1
6	8121556	9/16-18	26,9
8	8121558	3/4-16	31,8
10	81215510	7/8-14	36,8
12	81215512	1.1/16-12	42,2
14	81215514	1.3/16-12	45,7
16	81215516	1.5/16-12	46,0

TEE VERTICAL JIC 37G X PORCA GIRATÓRIA



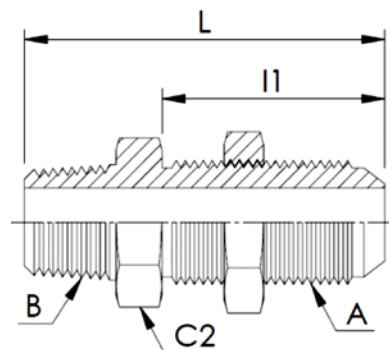
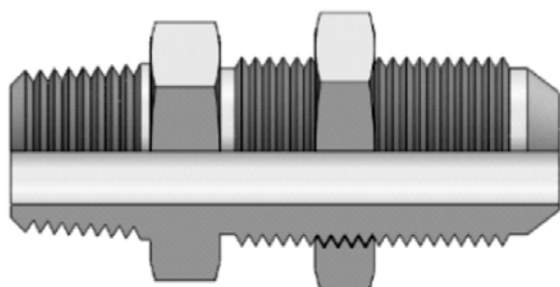
Tubo	CÓD	Rosca UNF classe 2A (A)	M	M5	Sext. C3 (pol.)
4	8125554	7/16-20	22,6	25,4	9/16
5	8125555	1/2-20	24,1	26,9	5/8
6	8125556	9/16-18	26,9	31,8	11/16
8	8125558	3/4-16	31,8	35,1	7/8
10	81255510	7/8-14	36,8	41,1	1
12	81255512	1.1/16-12	42,2	44,4	1.1/4
14	81255514	1.3/16-12	45,7	45,2	1.3/8
16	81255516	1.5/16-12	46,0	50,8	1.1/2

UNIÃO BULKHEAD JIC 37G X FÊMEA NPT



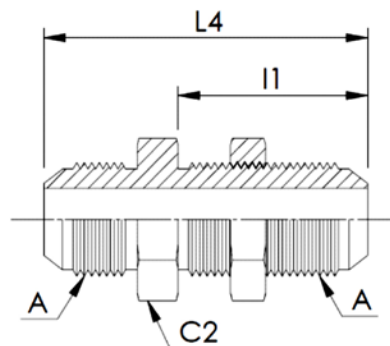
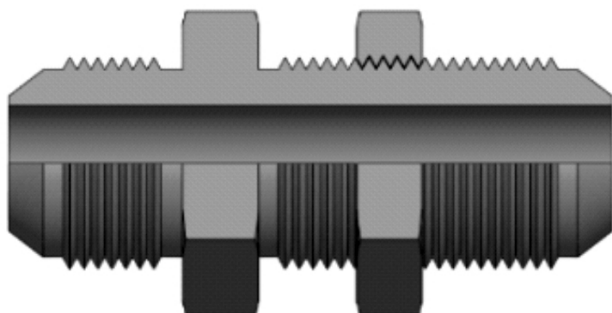
Tubo	CÓD	Rosca UNF classe 2A (A)	"Rosca NPT B"	I1	L	Sext.C2 (pol.)
4	8141SS4-2	7/16-20	1/8-27	30,5	46,7	11/16
4	8141SS4-4	7/16-20	1/4-18	30,5	53,6	3/4
6	8141SS6-4	9/16-18	1/4-18	32,5	52,3	13/16
6	8141SS6-6	9/16-18	3/8-18	32,5	56,9	7/8
8	8141SS8-6	3/4-16	3/8-18	36,6	59,4	1
8	8141SS8-8	3/4-16	1/2-14	36,6	66,3	1.1/8
10	8141SS10-8	7/8-14	1/2-14	40,1	67,6	1.1/8
12	8141SS12-12	1.1/16-12	3/4-14	44,4	73,9	1.3/8
14	8141SS14-12	1.3/16-12	3/4-14	44,4	73,4	1.1/2
16	8141SS16-16	1.5/16-12	1-11.1/2	44,4	78,5	1.5/8
24	8141SS24-24	1.7/8-12	1.1/2-11.1/2	46,0	85,1	2.1/4

UNIÃO BULKHEAD JIC 37G X MACHO NPT



Tubo	CÓD	Rosca UNF classe 2A (A)	"Rosca NPT B"	I1	L	Sext.C2 (pol.)
4	8140554-2	7/16-20	1/8-27	30,5	47,8	11/16
4	8140554-4	7/16-20	1/4-18	30,5	52,6	11/16
6	8140556-4	9/16-18	1/4-18	32,5	54,6	13/16
6	8140556-6	9/16-18	3/8-18	32,5	54,9	3/4
6	8140556-8	9/16-18	1/2-14	32,5	61,2	7/8
8	8140558-6	3/4-16	3/8-18	36,6	58,7	1
8	8140558-8	3/4-16	1/2-14	36,6	65,0	1
10	81405510-8	7/8-14	1/2-14	40,1	68,8	1.1/8
12	81405512-12	1.1/16-12	3/4-14	44,4	74,9	1.3/8
16	81405516-16	1.5/16-12	1-11.1/2	44,4	79,8	1.5/8

UNIÃO MACHO BULKHEAD JIC 37G



Tubo	CÓD	Rosca UNF classe 2A (A)	I1	L4	Sext. C2 (pol.)
4	8109554	7/16-20	30,5	52,6	11/16
5	8109555	1/2-20	30,5	52,6	3/4
6	8109556	9/16-18	32,5	55,4	13/16
8	8109558	3/4-16	36,6	62,0	1
10	81095510	7/8-14	40,1	69,6	1.1/8
12	81095512	1.1/16-12	44,4	78,5	1.3/8
14	81095514	1.3/16-12	44,4	79,2	1.1/2
16	81095516	1.5/16-12	44,4	79,8	1.5/8
20	81095520	1.5/8-12	45,7	84,1	1.7/8
24	81095524	1.7/8-12	46,0	89,4	2.1/8
32	81095532-	2.1/2-12	53,1	106,7	2.3/4