



Racorería Tubería Rígida - Cierre Cónico 37° JIC SAE J514
Fittings for Flared Tubes 37° - SAE J 514 37°

RACORERÍA PARA TUBO ABOCARDADO SAE J514-37° DISEÑADA PARA ADAPTARSE A TUBO EN PULGADAS Y MÉTRICO

E

Simplemente cambiando la ferula, el mismo adaptador puede ser usado para conectar la correspondiente medida de tubo, ya sea tubo con diámetro exterior en pulgadas o métrico.

Como muestra de ejemplo, un cuerpo y una tuerca comunes pueden ser usados para conectar la correspondiente medida de tubo (módulo 8), ya sea en pulgadas (diámetro exterior 1/2"), ya sea métrico (diámetro exterior 12 mm.).

Sólo debe seleccionarse la ferula de acuerdo con el diámetro exterior exacto del tubo, en el ejemplo:

- para tubo D.E. 1/2", la ferula debe tener la referencia 50.15.00.08
- para tubo D.E. 12 mm., la ferula debe tener la referencia 50.83.00.12

FITTINGS FOR FLARED TUBES SAE J514-37° ARE DESIGNED TO SUIT INCH AND METRIC TUBING

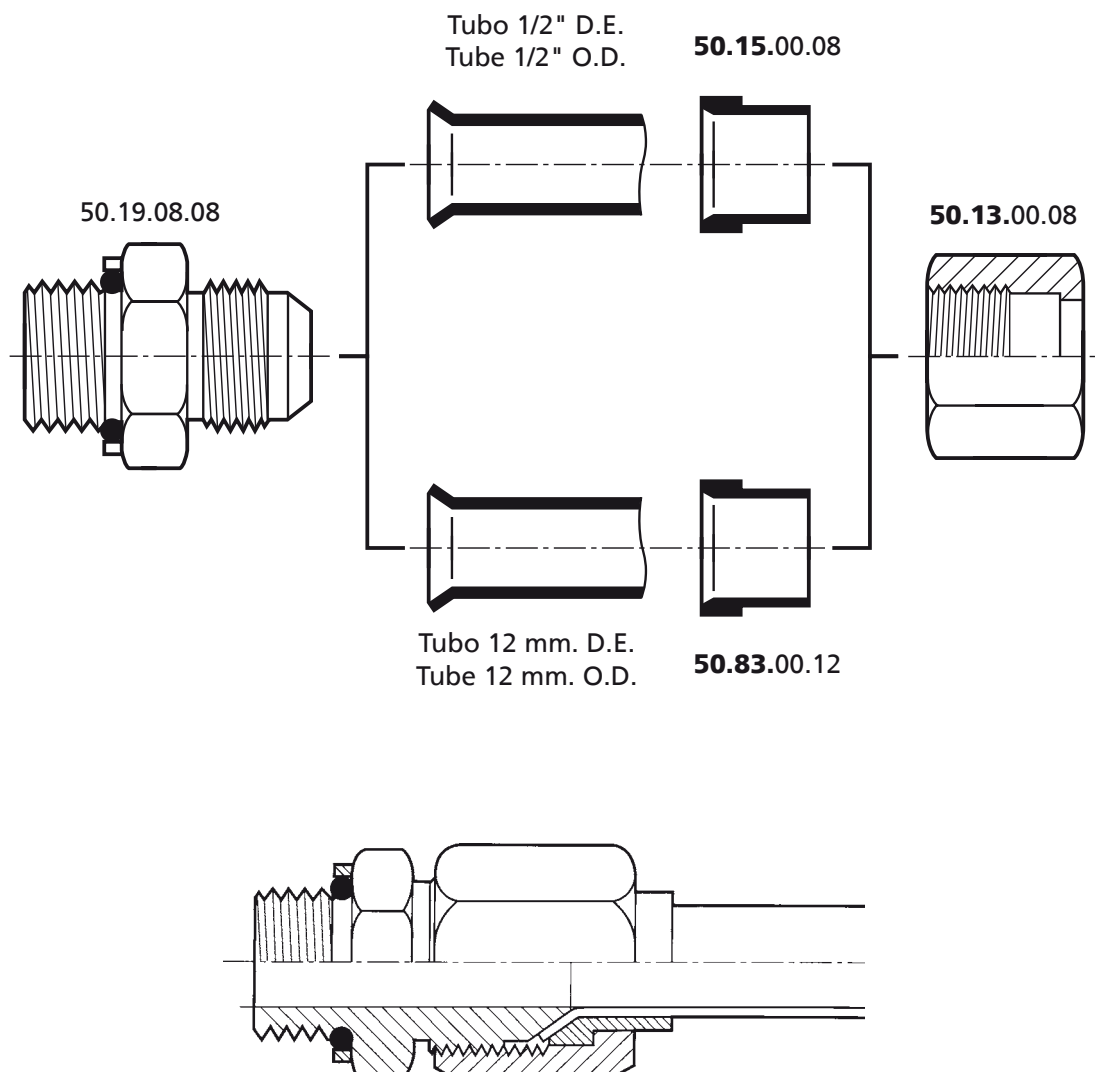
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Simply by changing the sleeve the same tube-fitting can be used to connect the corresponding sizes in both inch and metric tubing.

As the example shows, a common body and tube nut are used to connect correspondent inch and metric (1/2" outside diameter or 12 mm. outside diameter - size 8).

The sleeve only is selected according to the exact outside diameter of the tube, in the example:

- for 1/2" O.D. tube, sleeve will have part number 50.15.00.08
- for 12 mm. O.D. tube, sleeve will have part number 50.83.00.12



La **racorería para tubo abocardado** fabricada en **acero de carbono** es apropiada para su uso a las presiones de trabajo indicadas en la siguiente tabla cuando son utilizados a temperaturas de fluido entre -20°C y +120°C. Estos racores pueden ser usados en sistemas hidráulicos a temperaturas desde -40°C hasta +150°C.

La **racorería en acero inoxidable** puede ser utilizada a estas presiones de trabajo a temperaturas entre -60°C y +50°C. Los factores de corrección para la racorería en acero inoxidable cuando sea aplicada a elevadas temperaturas deberán ser: 4% a +50°C; 11% a +100°C; y 20% a +200°C.

Para aplicaciones bajo condiciones fuera de los límites de presión y/o temperatura especificados en la tabla, o con otras materias primas de fabricación, deberán contactar con **FONTAN RACORERIA**.

Estos requerimientos de presión y temperatura son especificados sólo para conexiones de tubería rígida o flexible y racorería cónica a 37°. Para otras conexiones, roscas o terminales, las condiciones y límites de presión y temperatura deberán ser aplicados según los estándares especificados en las respectivas normas.

Para conseguir estos máximos valores de presión de trabajo con un factor 4:1, deberá utilizarse el máximo espesor de pared del tubo indicado en la tabla.

PRESIONES DE TRABAJO PARA RACORERÍA Y TUBERÍA ABOCARDADA SAE J514-37°/ISO 8434-2

Diámetro exterior tubo (OD)			Espesor pared del tubo para abocardado (1)		Presión de trabajo recomendada para racorería y tubería en Acero al carbono y Acero inoxidable	
Métrico mm.	Pulgadas		Tubo métrico mm.	Tubo pulgadas mm.	Mpa	bar (2)
	in	mm.				
6	1/4	6,35	1,5	1,65	35	(350)
8	5/16	7,94	1,5	1,65	35	(350)
10	3/8	9,52	1,5	1,65	35	(350)
12	1/2	12,7	2	2,1	35	(350)
16	5/8	15,88	2,5	2,41	25	(250)
20	3/4	19,05	3	2,76	25	(250)
25	1	25,4	3	3,05	25	(250)
32	1 1/4	31,75	3	3,05	17,5	(175)
38	1 1/2	38,1	3	3,05	17,5	(175)
50	2	50,8	3,5	3,4	8	(80)

(1) Máximo espesor de pared que puede ser abocardado, debido al diseño de los racores.

(2) 1 bar = 10^5 N/m² = 10^5 Pa = 0,1 Mpa

NOTA: Para condiciones dinámicas o aplicaciones con presiones de trabajo superiores a las recomendadas en esta tabla, deberán consultar con FONTAN RACORERIA.

Flared **fittings** made of **carbon steel** are suitable for use at the working pressures given in the following table when used at fluid temperatures between -20°C and +120°C. Such fittings are suitable for use in hydraulic systems at temperatures from -40°C to +150°C.

Stainless steel fittings are suitable for use at these working pressures when used at temperatures between -60°C and +50°C. Pressure deratings of stainless steel fittings and used at elevated temperatures shall be: 4% at +50°C; 11% at +100°C; and 20% at +200°C.

For applications under conditions outside the pressure and/or temperature limits, or with other raw materials, You shall contact with **FONTAN RACORERIA**.

These pressure and temperature requirements are given for tube and hose connections and fittings bodies only. For port and stud end pressure/temperature requirements, the values specified in the respective port and stud end standards shall be applied.

In order to achieve these maximum working pressures with a 4:1 factor, You shall use the maximum tubing wall thickness shown in the table.

WORKING PRESSURES FOR 37° FLARED FITTINGS AND TUBES ACCORDING SAE J514-37°/ISO 8434-2 NORMS

Tube outside diameter (OD)			Wall thickness of tube for flaring (1)		Recommended working pressure for Carbon steel and Stainless steel flared fittings and tubes	
Metric mm.	Inch	mm.	Metric tube mm.	Inch tube mm.	Mpa	bar (2)
6	1/4	6,35	1,5	1,65	35	(350)
8	5/16	7,94	1,5	1,65	35	(350)
10	3/8	9,52	1,5	1,65	35	(350)
12	1/2	12,7	2	2,1	35	(350)
16	5/8	15,88	2,5	2,41	25	(250)
20	3/4	19,05	3	2,76	25	(250)
25	1	25,4	3	3,05	25	(250)
32	1 1/4	31,75	3	3,05	17,5	(175)
38	1 1/2	38,1	3	3,05	17,5	(175)
50	2	50,8	3,5	3,4	8	(80)

(1) Maximum wall thickness which can be flared, due to fitting design.

(2) 1 bar = 10⁵ N/m² = 10⁵ Pa = 0,1 Mpa

NOTA: For dynamic conditions or working pressure applications higher than those given in this table, You shall consult FONTAN RACORERIA.

El racor SAE J 514.37° destinado a conducciones en tubería de acero estirado sin soldadura, dadas sus características intrínsecas, garantiza una alta seguridad de montaje mecánico:

- Racor para tubería abocardada de asiento cónico a 37°, el cual se compone de tres piezas: tuerca, férula y cuerpo.
- El tubo es presionado sobre su espesor entre la superficie del cuerpo del racor y la de la férula.
- El anclaje y la estanqueidad se obtienen mecánicamente, sin que por ello la pieza sufra deformación alguna.
- La férula es usada como soporte de la tubería, al mismo tiempo que protege a ésta. La férula es auto-centrante. Existe un juego entre ésta y la tuerca, que permite la correcta alineación de la férula aunque el tubo presente un ligero defecto de alineación axial o angular.
- La presión de estallido del racor es muy superior a la presión de estallido del tubo al cual va destinado, característica que ofrece una mayor seguridad y garantía.

NORMALIZACIÓN

- Norma A.S.M.E.: Las especificaciones definidas por el A.S.M.E. para tubos de alta presión son cumplidas por el racordaje SAE J 514.37°.
- SAE J 514: El racor SAE J 514.37° cumple la normalización que se publica en el standard S.A.E. sobre racores hidráulicos.
- Militar Standard MS 51500 a MS 51534: Las especificaciones sobre racores abocardados a 37° fabricados en acero al carbono o en acero inoxidable se cumplen también en el racordaje SAE J 514.37°.

EL MATERIAL

Los racores SAE J 514.37° han sido fabricados en acero a partir de pieza forjada o de barra, de acuerdo con las siguientes especificaciones.

ESPECIFICACIONES	FRANCESAS	AMERICANAS	INGLESAS
Férulas estampadas en frío	AFNOR S300 DIN 1.0718	SAE 1020 ASTM A576 - 12L14	- BS 970 PTI - 220MO7Pb
Férulas mecanizadas de barra	- DIN 1.0718	ASTM A108 - C1137 ASTM A108 - 12L14	- BS 970 PTI - 220MO7Pb
Tuercas estampadas en frío	-	ASTM A576 - C1110	-
Tuercas mecanizadas de barra	AFNOR S300 -	ASTM A108 - 12L14 SAE 1020	BS970PTI - 220MO7Pb -
Piezas rectas	AFNOR S300 DIN 1.0718	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
Piezas de forma forjadas	AFNOR S300 -	ASTM A576 - 12L14 ASTM A108 - C1137	BS 970PTI - 220MO7Pb -

S = Acero

- PROTECCIÓN: Se asegura la protección por el zincado bicromado. Con éste se garantiza que los racores resisten la niebla salina según la prueba realizada en el test NFX 41002 (72 h. - Concentración 5% NaCl).
- Sobre demanda, los racores SaeJ514.37° también pueden ser suministrados tanto en latón como en acero inoxidable.

DIMENSIÓN DE LA ROSCA

- A) Designación racor para tubo en pulgadas: 8 = MÓDULO JIC = 1/2 (NPTF - BSPT - BSPP).
 B) Designación racor para tubo milimétrico: 1/2 (NPTF - BSPT - BSPP), 3/4-16 (UNF 2A), M16 (Métrico).

DIÁMETRO EXTERIOR DEL TUBO

E

A) Designación racor para tubo en pulgadas: 8 = MÓDULO JIC = Ø ext. 1/2.

B) Designación racor para tubo milimétrico: 12 = tubo Ø ext. 12 mm.

MONTAJE DEL RACOR 37° S.A.E.

1.- Colocar la parte abocardada con el cono, ajustando éste con la mano.

2.- Apretar con la llave para obtener una unión metal sobre metal totalmente estanca (ver tabla adjunta).

PAR DE APRIETE:

DIÁM. TUBO mm.	DIÁM. TUBO pulgadas	PAR MÍN. m/kg.	PAR MÁX. m/kg.
6	1/4"	1	1,5
8	5/16"	1,5	2,4
10	3/8"	2,3	3,5
12	1/2"	3,2	4,8
14	-	4,2	6,4
15	-	4,7	7,1
16	5/8"	5,2	8
18	-	6,4	10
20	3/4"	7,7	12
22	7/8"	9,3	14
25	1"	11,9	18
30	-	16	25
32	1 1/4"	18	28
38	1 1/2"	22	35

3.- Característica básica del racor 37° SAE es el hecho de que garantiza un fácil y rápido montaje, pudiendo ser montado y desmontado numerosas veces, siendo su cierre siempre estanco y hermético.

ABOCARDADO CORRECTO

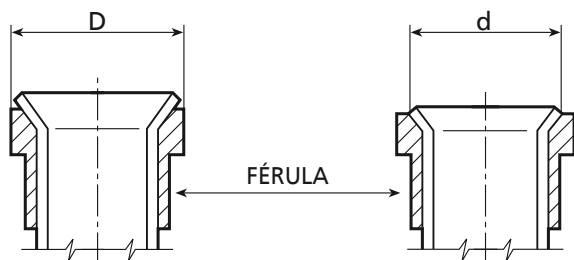
Un abocardado correctamente ejecutado ofrecerá un servicio más largo y satisfactorio, incluso en condiciones de empleo permanentemente críticas.

El diámetro exterior máximo del abocardado ha de ser igual al diámetro exterior de la férula. El diámetro mínimo del abocardado deber ser igual al diámetro interior máximo de la férula.

EJEMPLOS

Diámetro exterior de la férula

Diámetro interior de la férula



TABLA

DIÁM. EXT. mm.	DIÁM. (MÍN.) mm.	DIÁM. (MÁX.) mm.
6	8	9,7
8	9,5	11,3
10	11,2	12,7
12	14,9	17,3
14	17,9	20,2
15	17,9	20,2
16	17,9	20,2
18	22,3	24,7
20	22,3	24,7
25	28,7	31

Si el abocardado del tubo es muy corto, la práctica totalidad de la pared de contacto del racor no será utilizada, y la pared del tubo correrá el peligro de ser aplastada por insuficiencia de superficie de contacto.

En estos casos no se ofrece la seguridad máxima contra fugas, roturas del abocardado o desencajes.

Si el abocardado del tubo es muy largo, producirá una interferencia en los filetes de la tuerca, la cual quedará bloqueada, por lo que no podrá efectuarse el correcto montaje del racor.

Para operar correctamente, el abocardado debe ser perpendicular y concéntrico al tubo y a la férula.

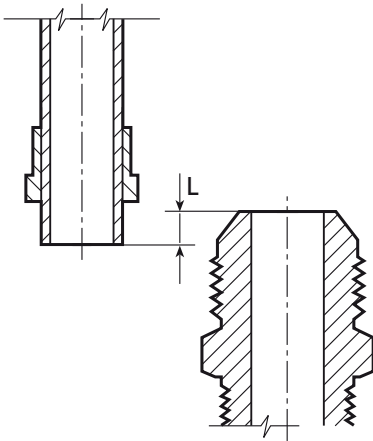
Los defectos de perpendicularidad y de concetricidad son imputables a un corte incorrecto del tubo o a una formación irregular realizada por un útil de cortar o abocardado defectuoso.

A la hora de cortar el tubo, se ha de contar con unas cotas que deben añadirse a la longitud de la línea.

Para determinar dicha longitud, hay que añadir a la longitud deseada del tubo la longitud "L" que representa la parte entrante de cono del racor en la parte abocardada del tubo.

Además, cada abocardado absorbe una longitud de tubo entre 0,5 y 1 mm., según el espesor del tubo.

Mirar tabla longitud "L".



Diám. ext. tubo		Longitud	Diám. ext. tubo		Longitud
mm.	Pulgadas	L mm.	mm.	Pulgadas	L mm.
6	1/4"	2	18	–	3
8	5/16"	2	20	3/4"	3
10	3/8"	2	25	1"	3
12	1/2"	2,5	30	–	4
14	–	2,5	32	1 1/4"	4
15	–	2,5	38	1 1/2"	4
16	5/8"	2,5			

Par ses caractéristiques spéciales, le raccord SAE J 514.37° pour conduites en acier laminé sans soudures garantit un montage mécanique de haute sécurité:

- Le raccord pour tubes évasés à 37° se compose de trois parties: corps du raccord, écrou et fourreau.
- L'embout évasé du tube est bloqué entre deux surfaces coniques: cône du corps et fourreau.

Le joint est fait mécaniquement sans aucune déformation d'élément.

- La fourreau est autocentrante par une possibilité de jeu entre l'écrou et le tube, ce que garantit un alignement correct entre évasement de la fourreau et cône du corps, et fait fonction dans ce cas d'anneau de blocage et de support du tube.
- La pression d'éclatement du raccord est de très loin supérieure à celle du tube auquel celui-ci est relié.

Cette caractéristique offre une plus grande sécurité.

APPROBATIONS

- Normes A.S.M.E.: Le raccord SAE J 514.37° satisfait les règles établies par A.S.M.E. relatives aux tubes à hautes pressions.
- S.A.E. J 514: Le raccord SAE J 514.37° satisfait les règles publiées dans le standard S.A.E. relatives aux raccords hydrauliques.
- Militar Standard de MS 51500 à MS 51534: Le raccord SAE J 514.37° satisfait aux règles relatives aux raccords évasés à 37° en acier au carbone ou acier inoxydable.

MATERIAUX

Les raccords SAE J 514.37° sont construits en corps forgés ou en barres acier (voir tabel ci-joint).

DESIGNATIONS	FRANCAISES	AMERICAINES	ANGLAISES
Forreaux moulés à froid	AFNOR S300 DIN 1.0718	SAE 1020 ASTM A576 - 12L14	- BS 970 PTI - 220MO7Pb
Forreaux pris dans le barres	- DIN 1.0718	ASTM A108 - C1137 ASTM A108 - 12L14	- BS 970 PTI - 220MO7Pb
Ecrous moulés à chaud	-	ASTM A576 - C1110	-
Ecrous pris dans des barres	AFNOR S300 -	ASTM A108 - 12L14 SAE 1020	BS970PTI - 220MO7Pb -
Corps pris dans des barres	AFNOR S300 DIN 1.0718	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
Corps forgés	AFNOR S300 -	ASTM A576 - 12L14 ASTM A108 - C1137	BS 970PTI - 220MO7Pb -

S = Acier

- PROTECTION: Par zinguage bichrome, qui garantit la résistance des raccords au brouillard salin en conformité avec les essais réalisés dans le test NFX 41002 (72 heures - concentration 5% NaCl).

- Sur demande, les raccords SaeJ514.37° sont disponibles en laiton et en acier inox.

DIMENSIONS DU FILETAGE

A) Mesure raccord pour tubes en puces: 8 = DIMENSIONE JIC = 1/2 (NPTF - BSPT - BSPP).

B) Mesure raccord pour tubes en millimètres: 1/2 (NPTF - BSPT - BSPP), 3/4-16 (UNF 2A), M16 (Metric).

A) Mesure raccord pour tube en pouces: 8 = DIMENSIONE JIC = DIAMETRE EST. 1/2.

B) Mesure raccord pour tubes en millimètres: 12 = tubes diametre ext. 12 mm.

MONTAGE DU RACCORD 37° S.A.E.

1.- Placer la partie évasée du tube sur le cône du corps et de la fourreau en réglant celle-ci manuellement.

2.- Serrer à l'aide de la clé de manière à obtenir un ensemble métal/métal complètement étanche (voir tabelle ci-joint).

COUPLE DE SERRAGE:

DIÁM. TUBE mm.	DIÁM. TUBE pouces	COUPLE MIN. m/kg.	COUPLE MAX. m/kg.
6	1/4"	1	1,5
8	5/16"	1,5	2,4
10	3/8"	2,3	3,5
12	1/2"	3,2	4,8
14	–	4,2	6,4
15	–	4,7	7,1
16	5/8"	5,2	8
18	–	6,4	10
20	3/4"	7,7	12
22	7/8"	9,3	14
25	1"	11,9	18
30	–	16	25
32	1 1/4"	18	28
38	1 1/2"	22	35

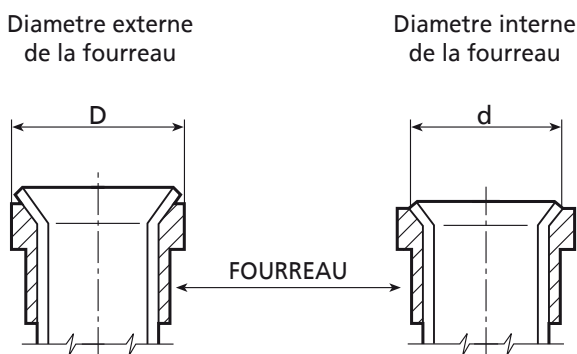
3.- Une caractéristique fondamentale du raccord 37° SAE est la garantie d'un montage rapide et facile. Il peut, en effet, être monté et démonté plusieurs fois grâce à sa fermeture qui reste toujours étanche et hermétique.

EVASEMENT CORRECT

Un evasement correct garantit une durée plus longue et satisfaisante même en conditions critiques d'utilisation prolongées.

Le diamètre extérieur maximum de l'évasement doit être égal au diamètre externe du fourreau alors que le diamètre minimum doit être égal au diamètre interne maximum de celui-ci.

EXEMPLES



TABLE

DIAM. EST. mm.	DIAM. (MIN.) mm.	DIAM. (MAX.) mm.
6	8	9,7
8	9,5	11,3
10	11,2	12,7
12	14,9	17,3
14	17,9	20,2
15	17,9	20,2
16	17,9	20,2
18	22,3	24,7
20	22,3	24,7
25	28,7	31

En cas d'évasement du tube trop court, presque tout la surface de contact du raccord sera inutilisée.

Il s'ensuit le risque que la surface du tube soit écrasée à cause de la surface de contact insuffisante.

Dans ce cas, la sécurité maximum contre des fuites ou des ruptures de l'évasement n'est pas garantie.

En cas d'évasement du tube trop long, on aura des problèmes de filetage de l'écrou qui se bloquera en empêchant le montage correct du raccord.

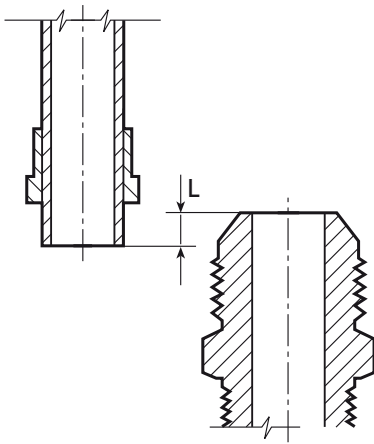
Pour garantir le fonctionnement optimum, l'évasement doit être perpendiculaire et concentrique au tube et à la fourreau.

Des défauts relatifs à la perpendicularité et la concentricité peuvent être causés par une coupe erronée du tube ou par une formation irrégulière provoquée par un outil de coupe ou un évasement défectueux.

Lorsque l'on doit couper le tube, il convient de prendre en considération une certaine valeur que doit être ajoutée par la suite à la longueur de la ligne.

Pour déterminer cette longueur, il est nécessaire d'ajouter à la longueur voulue du tube une longueur "L" qui représente la partie du cône du raccord qui entre dans la partie évasée du tube.

En outre chaque évasement requiert un longueur de tube comprise entre 0,5 et 1 mm. selon l'épaisseur du tube lui-même. Consulter la table relative à la longueur "L".



Diam. est. tube		Loungueur	Diam. est. tube		Loungueur
mm.	Pouces	L mm.	mm.	Pouces	L mm.
6	1/4"	2	18	-	3
8	5/16"	2	20	3/4"	3
10	3/8"	2	25	1"	3
12	1/2"	2,5	30	-	4

Grazie alle sue particolari caratteristiche, il raccordo SAE J 514.37° per condutture in tubi d'acciaio laminato senza saldatura garantisce un montaggio meccanico altamente sicuro:

- Il raccordo per tubi svasati a 37°, è composto da tre parti: corpo raccordo, dado e bussola.
- Il terminale svasato del tubo è bloccato fra due superfici coniche: cono del corpo e bussola. La tenuta è realizzata senza alcuna deformazione di nessun particolare ma solo in modo meccanico.
- La bussola è atuocentrante, essendo caratterizzata da un gioco fra il dado e il tubo garantendo allineamento corretto fra svasatura bussola e cono del corpo e viene quindi utilizzata come anello di bloccaggio e supporto del tubo.
- La pressione di scoppio del raccordo è di gran lunga superiore rispetto a quella del tubo cui viene collegato.

Questa caratteristica offre una maggiore garanzia di sicurezza.

APPROVAZIONI

- Norma A.S.M.E.: Il raccordo SAE J 514.37° soddisfa le specifiche stabilite da A.S.M.E. relative ai tubi ad alta pressione.
- S.A.E. J 514: Il raccordo SAE J 514.37° soddisfa le normative pubblicate nello standard S.A.E. relativo ai raccordi idraulici.
- Militar Standard da MS 51500 a MS 51534: Il raccordo SAE J 514.37° soddisfa le specifiche relative ai raccordi svasati a 37° in acciaio al carbonio o in acciaio inossidabile.

MATERIALE

I raccordi SAE J 514.37° vengono costruiti da corpi forgiati o da barre in acciaio (vedere tabella allegata).

SPECIFICHE	FRANCESI	AMERICANE	INGLES
Bussole stampate a freddo	AFNOR S300 DIN 1.0718	SAE 1020 ASTM A576 - 12L14	- BS 970 PTI - 220MO7Pb
Bussole ricavate da barre	- DIN 1.0718	ASTM A108 - C1137 ASTM A108 - 12L14	- BS 970 PTI - 220MO7Pb
Dadi stampati a freddo	-	ASTM A576 - C1110	-
Dadi ricavati da barre	AFNOR S300 -	ASTM A108 - 12L14 SAE 1020	BS970PTI - 220MO7Pb -
Corpi ricavati da barra	AFNOR S300 DIN 1.0718	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
Corpi forgiati	AFNOR S300 -	ASTM A576 - 12L14 ASTM A108 - C1137	BS 970PTI - 220MO7Pb -

S = Acciaio

- **PROTEZIONE:** Viene assicurata la protezione con zincatura bicromata, grazie alla quale viene garantita la resistenza dei raccordi alla nebbia salina in conformità alla prova realizzata nel test NFX 41002 (72 ore - Concentrazione 5% NaCl).
- Su richiesta, i raccordi SaeJ514.37° sono disponibili in ottone e in acciaio inossidabile.

DIMENSIONI DELLA FILETTATURA

- A) Misura raccordo per tubo in pollici: 8 = DIMENSIONE JIC = 1/2 (NPTF - BSPT - BSPP).
 B) Misura raccordo per tubo in millimetri: 1/2 (NPTF - BSPT - BSPP), 3/4-16 (UNF 2A), M16 (Metrico).

DIAMETRO ESTERNO DEL TUBO

I

A) Misura raccordo per tubo in pollici: 8 = DIMENSIONE JIC = DIAMETRO EST. 1/2.

B) Misura raccordo per tubo in millimetri: 12 = tubo diam. est. 12 mm.

MONTAGGIO DEL RACCORDO 37° S.A.E.

1.- Porre la parte svasata del tubo sul cono del corpo e della bussola regolandola manualmente.

2.- Stringere con la chiave in modo da ottenere un'unione metallo/metallo completamente stagna (vedere tabella allegata).

COPPIA DI SERRAGGIO:

DIAM. TUBO mm.	DIAM. TUBO pollici	COPPIA MIN. m/kg.	COPPIA MAX. m/kg.
6	1/4"	1	1,5
8	5/16"	1,5	2,4
10	3/8"	2,3	3,5
12	1/2"	3,2	4,8
14	-	4,2	6,4
15	-	4,7	7,1
16	5/8"	5,2	8
18	-	6,4	10
20	3/4"	7,7	12
22	7/8"	9,3	14
25	1"	11,9	18
30	-	16	25
32	1 1/4"	18	28
38	1 1/2"	22	35

3.- Una caratteristica fondamentale del raccordo 37° SAE è la garanzia di un facile e veloce montaggio. Può, infatti, essere montato e smontato più volte grazie alla sua chiusura che rimane sempre a tenuta stagna ed ermetica.

SVASATURA CORRETTA

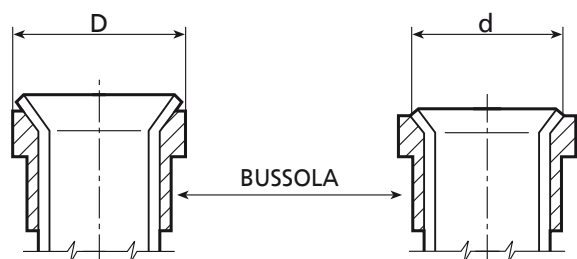
Una svasatura eseguita correttamente garantisce una durata più lunga e soddisfacente anche in prolungate condizioni critiche di utilizzo.

Il diametro esterno massimo della svasatura deve essere uguale a quello esterno della bussola, mentre il diametro minimo deve essere uguale al diametro interno massimo della bussola.

ESEMPI

Diametro esterno
della bussola

Diametro interno
della bussola



TABELLA

DIAM. EST. mm.	DIAM. (MIN.) mm.	DIAM. (MAX.) mm.
6	8	9,7
8	9,5	11,3
10	11,2	12,7
12	14,9	17,3
14	17,9	20,2
15	17,9	20,2
16	17,9	20,2
18	22,3	24,7
20	22,3	24,7
25	28,7	31
30	35,8	38,9

In caso di svasatura del tubo troppo corta, quasi tutta la superficie di contatto del raccordo non verrà utilizzata.

Sussiste, pertanto, il rischio che la superficie del tubo venga schiacciata a causa della superficie di contatto insufficiente.

In questi casi, non viene garantita la sicurezza massima contro perdite o rotture della svasatura.

In caso di svasatura del tubo troppo lunga, si verificheranno problemi con la filettatura del dado che rimarrà bloccato impedendo così il corretto montaggio del raccordo.

Per garantire un funzionamento ottimale, la svasatura deve essere perpendicolare e concentrica al tubo e alla bussola.

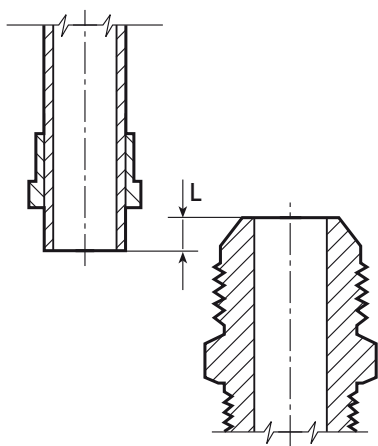
Difetti relativi alla perpendicolarità e alla concentricità possono essere causati da taglio errato del tubo o da una formazione irregolare provocata da un utensile da taglio o da una svasatura difettosa.

Quando si deve tagliare il tubo, bisogna prendere in considerazione un certo valore che deve venire successivamente sommato alla lunghezza della linea.

Per determinare tale lunghezza, è necessario aggiungere alla lunghezza desiderata del tubo una lunghezza "L" che rappresenta la parte del cono del raccordo che entra nella parte svasata del tubo.

Inoltre, ogni svasatura richiede una lunghezza di tubo compreso fra 0,5 e 1 mm. a seconda dello spessore del tubo stesso.

Consultare la tabella relativa alla lunghezza "L".



Diam. est. tubo		Lunghezza	Diam. est. tubo		Lunghezza
mm.	Pollici	L mm.	mm.	Pollici	L mm.
6	1/4"	2	18	–	3
8	5/16"	2	20	3/4"	3
10	3/8"	2	25	1"	3
12	1/2"	2,5	30	–	4
14	–	2,5	32	1 1/4"	4
15	–	2,5	38	1 1/2"	4
16	5/8"	2,5			

The particular features of the SAE J 514.37° fitting for ducts consisting of weldless, rolled-steel pipes guarantee a very level of mechanical assembly safety:

- The fitting for pipes flared at 37° consists of three parts: fitting body, nut and bush.
 - The flared end of the pipe is held between two coneshaped surfaces: body cone and bush. The seal is simply formed by means of a mechanical operation without any part being deformed.
 - The bush is self-centreing with a degree of clearance between the nut and the pipe which ensures the correct alignment between the bush flare and the body cone and is therefore used as a ring to hold and support the pipe.
 - The fitting's bursting pressure is far higher than that of the pipe it is connected to.
- The feature gives a greater guarantee of safety.

APPROVALS

- A.S.M.E. standard: The SAE J 514.37° fitting conforms with the specification laid down by A.S.M.E. for high-pressure pipes.
- S.A.E. J 514: The SAE J 514.37° fitting conforms with the provisions published in the S.A.E. standard for hydraulic fittings.
- Militar Standards from MS 51500 to MS 51534: The SAE J 514.37° fitting conforms with specifications for 37° flared fittings made of carbon steel or stainless steel.

MATERIAL

SAE J 514.37° fittings are made of forged body or steel bars (see appended table).

SPECIFICATION	FRENCH	AMERICAN	ENGLISH
Pressed bushed	AFNOR S300	SAE 1020	-
	DIN 1.0718	ASTM A576 - 12L14	BS 970 PTI - 220MO7Pb
Bushed made from bars	-	ASTM A108 - C1137	-
	DIN 1.0718	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
Pressed nuts	-	ASTM A576 - C1110	-
Nuts made from bars	AFNOR S300	ASTM A108 - 12L14	BS970PTI - 220MO7Pb
	-	SAE 1020	-
Bodies made from bars	AFNOR S300	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
	DIN 1.0718		
Forged bodies	AFNOR S300	ASTM A576 - 12L14	BS 970PTI - 220MO7Pb
	-	ASTM A108 - C1137	-

S = Steel

- PROTECTION: Protection is guaranteed bi-chromate galvanisation which means the fittings' resistance to saline mist is assured in conformity with test NFX 41002 (72 hours - 5% NaCl concentration).
- Brass and stainless steel SaeJ514.37° fittings are available on request.

THREAD DIMENSIONS

- A) Pipe fitting measurement in inches: 8 = DIMENSION JIC = 1/2 (NPTF - BSPT - BSPP).
- B) Pipe fitting measurement in milimetres: 1/2 (NPTF - BSPT - BSPP), 3/4-16 (UNF 2A), M16 (Metric).

A) Pipe fitting measurement in inches: 8 = DIMENSION JIC = OUTSIDE PIPE DIAMETER 1/2.

B) Pipe fitting measurement in millimetres: 12 = outside pipe diameter 12 mm.

S.A.E. 37° FITTING ASSEMBLY

1.- Place the flared part of the pipe on the body/bush cone and adjust manually.

2.- Tighten with the wrench so as to get a totally enclosed metal/metal joint (see appended table).

TORQUE WRENCH SETTINGS:

PIPE DIAMETER mm.	PIPE DIAMETER inches	MIN. TORQUE m/kg.	MAX. TORQUE m/kg.
6	1/4"	1	1,5
8	5/16"	1,5	2,4
10	3/8"	2,3	3,5
12	1/2"	3,2	4,8
14	–	4,2	6,4
15	–	4,7	7,1
16	5/8"	5,2	8
18	–	6,4	10
20	3/4"	7,7	12
22	7/8"	9,3	14
25	1"	11,9	18
30	–	16	25
32	1 1/4"	18	28
38	1 1/2"	22	35

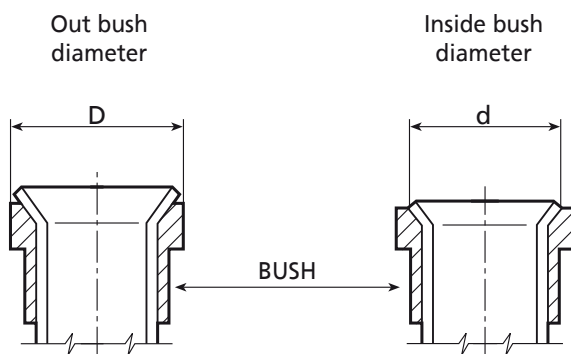
3.- A fundamental feature of the SAE 37° fitting is that it is easy and quick to assemble. It can in fact be assembled and removed on different occasions because of its enclosure which remains water and airtight at all times.

CORRECT FLARING

Flaring which has been done properly guarantees a longer and more satisfactory life even when subject to critical conditions over extended periods.

The maximum outside flaring diameter must be the same as the outside bush diameter, while the minimum diameter must be the same as the bush's maximum inside diameter.

EXAMPLES



TABLE

OUT DIAM. mm.	(MIN.) DIAM. mm.	(MAX.) DIAM. mm.
6	8	9,7
8	9,5	11,3
10	11,2	12,7
12	14,9	17,3
14	17,9	20,2
15	17,9	20,2
16	17,9	20,2
18	22,3	24,7
20	22,3	24,7
25	28,7	31
30	35,8	38,9
32	35,8	38,9
38	41,4	45,3

If the pipe flaring is too short, nearly all the fitting's contact surface will go unutilised.

There is therefore the risk that the pipe surface will be squashed owing to the inadequate contact surface. In such cases maximum safety against leaks or the flare breaking is not guaranteed.

If the pipe flaring is too long, problems arise with the nut thread which will get jammed and thus prevent the fitting from being assembled properly.

To function most efficiently, the flaring must be perpendicular and concentric with the pipe and bush.

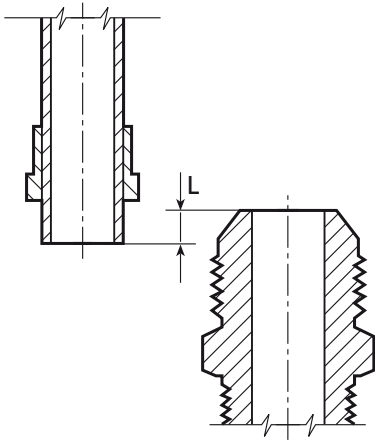
Imperfect perpendicularity and concentricity could be the result of the pipe being cut incorrectly or an irregular formation caused by a cutting tool or defective flaring.

When the pipe needs to be cut, a certain length must be taken into account which must then be added to the length of the line.

To establish how long this is, a length "L" representing the part of the fitting cone that enters the flared section of the pipe must be added to the required length of the pipe.

Furthermore, each flaring requires a length of pipe between 0,5 and 1 mm. according to the width of the pipe itself.

Check the table showing lengths of "L".



Outside pipe diam.		Length	Outside pipe diam.		Length
mm.	Inches	L mm.	mm.	Inches	L mm.
6	1/4"	2	18	-	3
8	5/16"	2	20	3/4"	3
10	3/8"	2	25	1"	3
12	1/2"	2,5	30	-	4
14	-	2,5	32	1 1/4"	4
15	-	2,5	38	1 1/2"	4
16	5/8"	2,5			

Die Bördelverschraubungen nach SAE J 514.37 Grad für Hochdruck-leitungen garantieren auf Grund ihrer besonderen Konstruktion ein hohes Mass an Sicherheit:

- Die Bördelverschraubung besteht aus 3 Teilen: Verschraubungskörper, Überwurfmutter und Stützhülse.
- Das gebördelte Endstück der Rohrleitung wird zwischen Verschraubungs -Körper und Stützhülse eingeklemmt. Es entsteht eine reinmetallische Dicht- und Haltefunktion, wobei weder eingeschnitten noch deformiert wird.
- Das Rohr wird durch die Stützhülse zentriert und dient als Verdreh-sicherung. Da die Stützhülse beim Anziehen der Überwurfmutter sich nicht mitdreht, wird ein spannungsfreies montieren des Rohrsystems ermöglicht.
- Der Platzdruck der Verschraubung ist weitaus höher als der des mit ihr verbundenen Rohres.

Diese Merkmale bieten eine höhere Sicherheitsgarantie.

GENEHMIGUNGEN

- A.S.M.E.-Norm: Die Verschraubung SAE J 514.37 Grad erfüllt die A.S.M.E. Vorgaben für Hochdruckrohrleitungen.
- SAE J 514: Die Verschraubungen SAE J 514.37 Grad entsprechen den Vorschriften des SAE Standard für Verschraubungen.
- Militar Standard MS 51500 bis MS 51534: Die Verschraubung SAE J 514.37 Grad erfüllt die Vorschriften für gebördelte Verschraubungen aus Stahl oder Edelstahl.

MATERIAL

Die Verschraubungen SAE J 514.37° werden aus Schmiedestücken oder Drehstahl nach (siehe Tabelle).

VERARBEITUNGSART	DEUTSCH	AMERIKANISCH	ENGLISCH
Warmgeschmiedete Teile	AFNOR S300 DIN 1.0718	SAE 1020 ASTM A576 - 12L14	- BS 970 PTI - 220MO7Pb
Gedr. Profilstabteile	- DIN 1.0718	ASTM A108 - C1137 ASTM A108 - 12L14	- BS 970 PTI - 220MO7Pb
Kaltgeschmiedete Überwurfmuttern	-	ASTM A576 - C1110	-
Kaltgeschmiedete Stützringe	AFNOR S300 -	ASTM A108 - 12L14 SAE 1020	BS970PTI - 220MO7Pb -
Gedr. Überwurfmuttern	AFNOR S300 DIN 1.0718	ASTM A108 - 12L14	BS 970 PTI - 220MO7Pb
Gedr. Stützringe	AFNOR S300 -	ASTM A576 - 12L14 ASTM A108 - C1137	BS 970PTI - 220MO7Pb -

S = Steel

- OBERFLÄCHE: Die Stahlteile werden verzinkt und chromatiert (Schichtstärke 5µm). Die Oberflächenbehandlung genügt den Salzsprühnebel-Prüfbedingungen gemäß SS DIN 50021 bzw. ASTM-B 117-73 - "Standard Method of Salt Spray (Fog) Testing".

ROHRGRÖßE

- A) Metrische Abmessungen: z.B. 12 = 12 mm Rohr AD.
- B) Zöllige Abmessungen: z.B. 8 = size 8 = 8/16" = 1/2" Rohr-AD.

z.B.: 8 = 8/18" = 1/2" NPTF oder R-Gewinde (BSPT, BSP. P) 8 = Size 8 = 3/4-16 UNF-Gewinde mit 16 Gang Stelung auf 1 Zoll.
 M12 = metrisches Gewinde mit 12 mm AD und 1,5 Stelung.

MONTAGE DER 37 GRAD SAE BÖRDELVERSCHRAUBUNGEN

- 1.- Das gebördelte Teil des Rohres mit Stützhülse und Überwurfmutter auf den Verschraubungskörper aufsetzen und von Hand andrehen.
- 2.- Mit dem Schlüssel festziehen, sodaß eine vollkommene dichte Metall-Metall Verbindung entsteht (siehe Tabelle).

ANZUGSMOMENT:

ROHRDURCHM. in mm.	ROHRDURCHM. in Zoll	MIN. ANZUGSMON. m/kg.	MAX. ANZUGSMON m/kg.
6	1/4"	1	1,5
8	5/16"	1,5	2,4
10	3/8"	2,3	3,5
12	1/2"	3,2	4,8
14	-	4,2	6,4
15	-	4,7	7,1
16	5/8"	5,2	8
18	-	6,4	10
20	3/4"	7,7	12
22	7/8"	9,3	14
25	1"	11,9	18
30	-	16	25
32	1 1/4"	18	28
38	1 1/2"	22	35

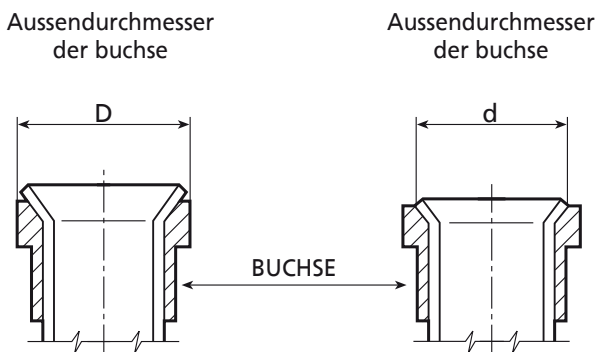
3.- Die SAE Bördelverschraubungen garantieren grundsätzlich eine einfache und schnelle Montage. Dank der Metallverbindung, die immer dicht ist, kann die Verschraubung mehrfach montiert und demontiert werden.

KORREKTE BÖRDELUNG

Eine korrekt ausgeführte Bördelung garantiert eine längere Lebensdauer und zufriedenstellende Leistungen. Auch bei längerem Einsatz unter kritischen Bedingungen. Der maximale Aussendurchmesser der Bördelung muß gleich dem Aussendurchmesser der Stützhülse sein.

Während der minimale Durchmesser gleich dem maximalen Durchmesser der Stützhülse sein muß.

BEISPIELE



TABELLE

AUSS DURCHM. mm.	(MIN.) DURCHM.mm.	(MAX.) DURCHM. mm.
6	8	9,7
8	9,5	11,3
10	11,2	12,7
12	14,9	17,3
14	17,9	20,2
15	17,9	20,2
16	17,9	20,2
18	22,3	24,7
20	22,3	24,7
25	28,7	31
30	35,8	38,9
32	35,8	38,9
38	41,4	45,3

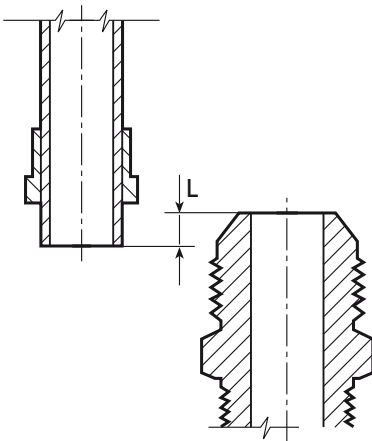
Bei einer zu kurzen Bördeltulpe wird die Kontaktoberfläche zwischen Stützhülse und Verschraubungskörper zu klein. Dies kann zum Kaltfluss der Bördeltulpe führen. Eine Gewähr gegen Leckagen, Rohrbrüche im Bereich der Bördelung und Herausziehen der Rohre aus den Verschraubungen, ist dann nicht mehr gegeben.

Ist die Bördeltulpe zu lang, so kommt sie schon im Gewinde der Überwurfmutter zur Anlage und verhindert unter Umständen die Montage des Rohres.

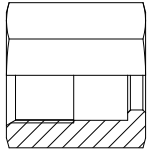
Ist die Bördelung rechtwinklig und konzentrisch mit dem Rohr und der Stützhülse aufgesetzt, ist ein einwandfreier Sitz des Rohres auf der Verschraubung gewährleistet. Mangelhafte Werkzeuge oder Bedienungsfehler sind an ungleicher und exzentrischer Bördelung zu erkennen. Dieses kann ebenfalls durch einen falschen Schnitt des Rohres hervorgerufen werden.

Man erhält das genaue Ablängmaß für die Verschraubungspunkte, indem man einen Längenzuschlag "L" der gewünschten Länge als Überdeckung hinzufügt. Jede Bördelung verkürzt die Länge eines Rohres zwischen 0,5 und 1 mm, je nach Wanddicke des Rohres.

Längenzuschlag "L" siehe Tabelle.



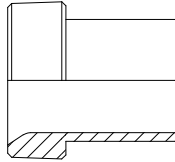
Aussendurchm. D. Rohres		Länge	Aussendurchm. D. Rohres		Länge
mm.	Zoll	L mm.	mm.	Zoll	L mm.
6	1/4"	2	18	–	3
8	5/16"	2	20	3/4"	3
10	3/8"	2	25	1"	3
12	1/2"	2,5	30	–	4
14	–	2,5	32	1 1/4"	4
15	–	2,5	38	1 1/2"	4
16	5/8"	2,5			



50.13

Pag. 1

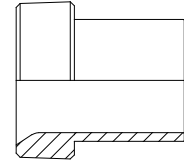
TUERCA
NUT
ECROU
ÜBERWURFMUTTER
DADO



50.15

Pag. 1

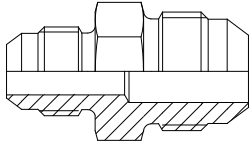
FÉRULA: TUBO PULGADAS
BUSH: INCHES TUBE
FOURREAU: TUBE POUCES
STÜTZHÜLSE: ZÖLLIGES ROHR
BUSSOLA: TUBO POLLICI



50.83

Pag. 1

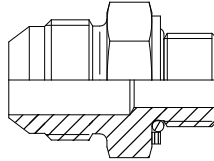
FÉRULA: TUBO MÉTRICO
SLEEVE: METRIC TUBE
FOURREAU: TUBE METRIQUE
STÜTZHÜLSE: METRISCHE ROHR
BUSSOLA: TUBO METRICO



50.17

Pag. 2

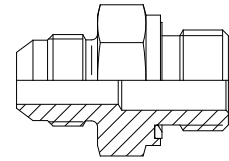
EMPALME TUBO-TUBO JIC
STRAIGHT COUPLING
UNION DROIT
GERADE VERSCHRAUBUNG
UNIONE DIRITTA



50.19

Pag. 2

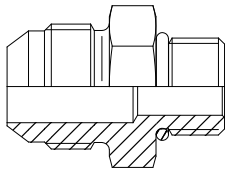
EMPALME CILÍNDRICO JIC-GAS
MALE STUD BSPP (B.S.P.PARALLEL)
TERMINAL DROIT MÂLE BSPP (GAS CYLINDRIQUE)
GERADE EINSCHRAUB BSPP (B.S.P.P ZYLINDRISCH)
TERMINALE DIRITTO MASCHIO BSPP (GAS CILINDRICO)



50.19 ED

Pag. 3

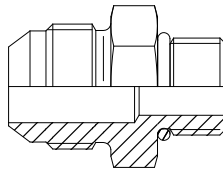
EMPALME CILÍNDRICO JIC-GAS ED
MALE STUD BSPP ED (B.S.P.PARALLEL)
TERMINAL DROIT MÂLE BSPP ED (GAS CYLINDRIQUE)
GERADE EINSCHRAUB BSPP ED (B.S.P. ZYLINDRISCH)
TERMINALE DIRITTO MASCHIO BSPP ED (GAS CILINDRICO)



50.21

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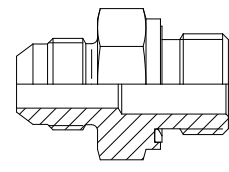
EMPALME CILÍNDRICO JIC-SAE
MALE STUD UNF 2A
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



50.23

Pag. 5

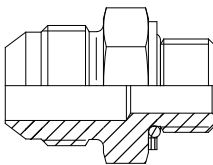
EMPALME CILÍNDRICO JIC-MÉTRICO ISO 6149
MALE STUD METRIC PARALLEL
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ISO 6149
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ISO 6149
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ISO 6149



50.23 ED

Pag. 6

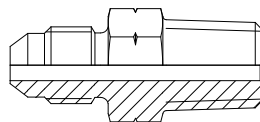
EMPALME CILÍNDRICO JIC-MÉTRICO DIN 3852 ED
MALE STUD METRIC PARALLEL ED
TERMINAL DROIT MÂLE CIL. METRIQUE DIN 3852 ED
GERADE EINSCHRAUB METRISCH-ZIL. DIN 3852 ED
TERMINALE DIRITTO MASCHIO METRICO-CIL. DIN 3852 ED



51.23

Pag. 6

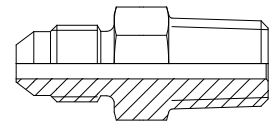
ADAPTADOR MACHO JIC-MÉTRICO DIN 3852
MALE STUD METRIC PARALLEL DIN 3852
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE DIN 3852
GERADE EINSCHRAUB METRISCH-ZILINDRISCH DIN 3852
TERMINALE DIRITTO MASCHIO METRICO-CIL. DIN 3852



50.25

Pag. 7

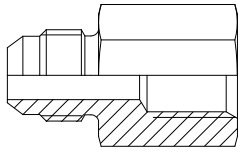
EMPALME JIC-NPTF
MALE STUD NPTF
TERMINAL DROIT MÂLE NPTF
GERADE EINSCHRAUB NPTF
TERMINALE DIRITTO MASCHIO NPTF



50.26

Pag. 8

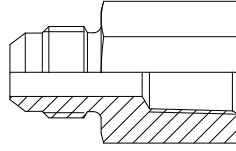
EMPALME JIC-BSPT (GAS CÓNICO)
MALE STUD BSPT (BSP TAPERED)
TERMINAL DROIT MÂLE BSPT (GAS CONIQUE)
GERADE EINSCHRAUB-VERSCHRAUBUNG (WHITWORTH-ROHRGEWINDE KEGELIG)
TERMINALE DIRITTO MASCHIO BSPT (GAS CONICO)



50.29

Pag. 8

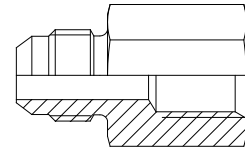
ADAPTADOR CILÍNDRICO MF JIC-HF GAS
FEMALE STUD BSPP (B.S.P. PARALLEL)
TERMINAL DROIT FEMELLE BSPP (GAS CYLINDRIQUE)
GERADE AUFSCHRAUB BSPP (B.S.P. ZYLINDRISCH)
TERMINALE DIRITTO FEMMINA BSPP (GAS CILINDRICO)



50.30

Pag. 9

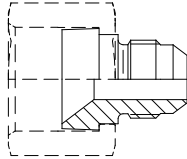
ADAPTADOR CILÍNDRICO MF JIC-HF NPTF
FEMALE STUD NPTF



50.31 (A)

Pag. 9

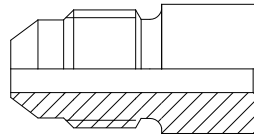
REDUCTOR TUBO-TUBO SAE
STUD ADAPTOR
REDUCTION
REDUZIERVERSCHRAUBUNG
RIDUZIONE



50.31 (B)

Pag. 10

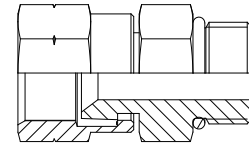
REDUCTOR TUBO-TUBO SAE (TUERCA NO INCLUIDA)
STUD ADAPTOR (NUT NOT INCLUDED)
REDUCTION
REDUZIERVERSCHRAUBUNG
RIDUZIONE



50.39

Pag. 10

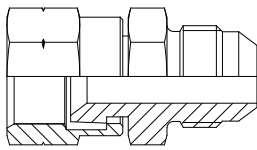
SOLDABLE JIC
WELDING
À SOUDER
ANSCHWEISSBAR
SALDABILE



50.41

Pag. 11

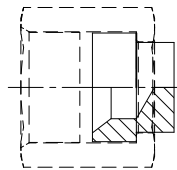
ADAPTADOR TL JIC-MF UNF 2A
MALE STUD ADAPTOR UNF 2A WITH ROTARY NUT JIC
ADAPTATEUR MÂLE UNF 2A AVEC ECROU PIVOTANT JIC
EINSCHRAUBADAPTER UNF 2A MIT DREHMUTTERN JIC
ADATTATORE MASCHIO UNF 2A CON DADO GIREVOLE JIC



50.42

Pag. 11

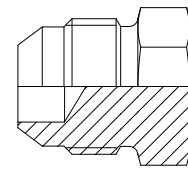
ADAPTADOR TL-MF JIC
CONNECTOR SWIVEL FEMALE JIC-MALE JIC



50.43

Pag. 11

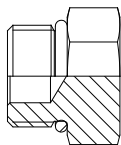
TUERCA CIEGA SAE (TUERCA INCLUIDA)
PLUG FOR FITTING (NUT INCLUDED)
OBTURATEUR POUR RACCORD
VERSCHLUSSBOLZEN
TAPPO PER RACCORDO



50.45

Pag. 12

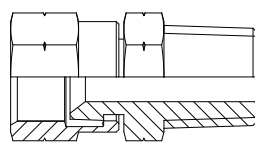
TAPÓN MF JIC
PLUG FOR TUBE
OBTURATEUR POUR TUBE
ROHRVESCHLUSS
TAPPO PER TUBO



50.45.99

Pag. 12

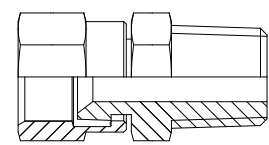
TAPÓN MF UNF CON JUNTA TÓRICA
MALE PLUG WITH O-RING
OBTURATEUR POUR TUBE AVEC O-RING
ROHRVESCHLUSS MIT O-RING DICHTUNG
TAPPO PER TUBO CON O-RING



50.46

Pag. 12

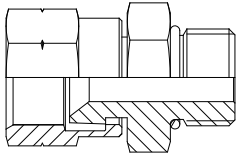
ADAPTADOR TL JIC-MF NPTF
MALE STUD ADAPTOR NPTF WITH ROTARY NUT JIC
ADAPTATEUR MÂLE NPTF AVEC ECROU PIVOTANT JIC
EINSCHRAUBADAPTER NPTF MIT DREHMUTTERN JIC
ADATTATORE MASCHIO NPTF CON DADO GIREVOLE JIC



50.47

Pag. 13

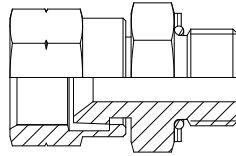
ADAPTADOR TL JIC-MF BSPT (GAS CÓNICO)
MALE STUD ADAPTOR BSPT (B.S.P. TAPERED) ROTARY NUT JIC
ADAPTATEUR MÂLE BSPT (GAS CONIQUE) ECROU PIVOTANT JIC
EINSCHRAUBADAPTER BSPT (WITHWORTH-ROHRGEWINDE KEGLIG) DREHMUTTERN JIC
ADATTATORE MASCHIO BSPT (GAS CONICO) DADO GIREVOLE JIC



50.48

Pag. 13

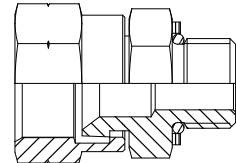
ADAPTADOR TL JIC-MF MÉTRICO ISO 6149
 MALE STUD ADAPTOR METRIC PARALLEL ISO 6149 ROTARY NUT JIC
 ADAPTATEUR MÂLE METRIQUE CILINDRIQUE ISO 6149 ECROU PIVOTANT JIC
 EINSCHRAUBADAPTER METRISCH ZYLINDRISCH ISO 6149 DREHMUTTERN JIC
 ADATTATORE MASCHIO METRICO CILINDRICO ISO 6149 DADO GIREVOLE JIC



51.48

Pag. 14

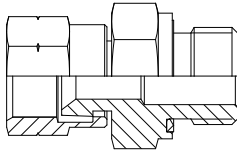
ADAPTADOR TL JIC-MF MÉTRICO DIN 3852
 MALE STUD ADAPTOR METRIC PARALLEL DIN 3852 ROTARY NUT JIC
 ADAPTATEUR MÂLE METRIQUE CILINDRIQUE DIN 3852 ECROU PIVOTANT JIC
 EINSCHRAUBADAPTER METRISCH ZYLINDRISCH DIN 3852 DREHMUTTERN JIC
 ADATTATORE MASCHIO METRICO CILINDRICO DIN 3852 DADO GIREVOLE JIC



50.49

Pag. 14

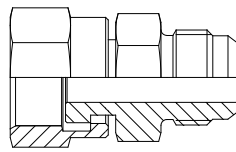
ADAPTADOR TL JIC-MF GAS
 MALE STUD ADAPTOR BSPP (B.S.P. PARALLEL) ROTARY NUT JIC
 ADAPTATEUR MÂLE BSPP (GAS CYLINDRIQUE) ECROU PIVOTANT JIC
 EINSCHRAUBADAPTER BSPP (B.S.P. ZYLINDRISCH) DREHMUTTERN JIC
 ADATTATORE MASCHIO BSPP (GAS CILINDRICO) DADO GIREVOLE JIC



50.49 ED

Pag. 15

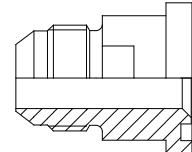
ADAPTADOR TL JIC-MF GAS ED
 MALE STUD ADAPTOR BSPP (B.S.P. PARALLEL) ED ROTARY NUT JIC
 ADAPTATEUR MÂLE BSPP (GAS CYLINDRIQUE) ED ECROU PIVOTANT JIC
 EINSCHRAUBADAPTER (B.S.P. ZYLINDRISCHE) ED DREHMUTTERN JIC
 ADATTATORE MASCHIO BSPP (GAS CILINDRICO) ED DADO GIREVOLE JIC



50.50

Pag. 15

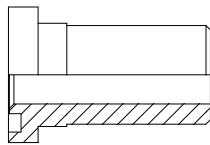
ADAPTADOR TL ORFS-MF JIC 37°
 MALE STUD ADAPTOR JIC 37°-ROTARY NUT ORFS
 ADAPTATEUR MÂLE JIC 37°-ECROU PIVOTANT ORFS
 EINSCHRAUBADAPTER JIC 37°-DREHMUTTERN ORFS
 ADATTATORE MASCHIO JIC 37°-DADO GIREVOLE ORFS



50.51

Pag. 16

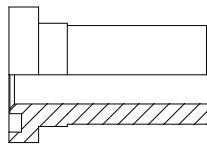
ADAPTADOR BRIDA MF JIC
 FLANGE ADAPTOR
 ADAPTATEUR BRIDE
 FLANSCHADAPTER
 ADATTATORE FLANGIA



50.59.41

Pag. 16

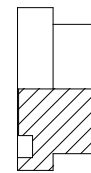
PLATINA SOLDABLE 3000 PSI
 FLANGED HEAD BW SAE 3000
 COLLETS BW SAE 3000
 SAE 3000 STUTZEN



50.60.41

Pag. 16

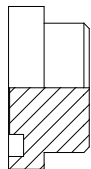
PLATINA SOLDABLE 6000 PSI
 FLANGED HEAD BW SAE 6000
 COLLETS BW SAE 6000
 SAE 6000 STUTZEN



50.59.45

Pag. 17

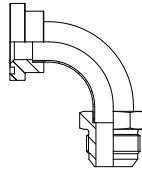
OBTURADOR PLATINA 3000 PSI
 PLUG FLANGE SAE 3000
 OBTURATEUR SAE 3000
 SAE 3000 BLINDFLANSCH



50.60.45

Pag. 17

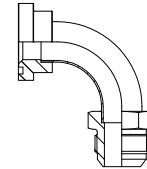
OBTURADOR PLATINA 6000 PSI
 PLUG SAE 6000
 OBTURATEUR SAE 6000
 SAE 6000 BLINDFLANSCH



50.71

Pag. 17

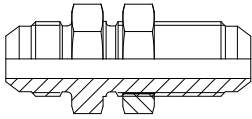
CODO 90° PLATINA 3000 PSI-MF JIC
 90° FLANGE 3000 PSI-SAE MALE



50.72

Pag. 18

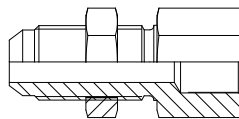
CODO 90° PLATINA 6000 PSI-MF JIC
 90° FLANGE 6000 PSI-SAE MALE



50.53

Pag. 18

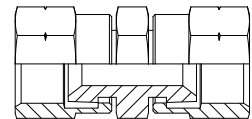
PASATABIQUES MACHO JIC
BULKHEAD CONNECTION
UNION TRAVERSEE DROITE
GERADE SCHOTTVERSCHRAUBUNG
UNIONE PASSAPARATIA DIRITTA



50.55

Pag. 18

PASATABIQUES MF JIC-HF GAS
BULKHEAD CONNECTION MALE-FEMALE BSPP (B.S.P. PARALLEL)
UNION TRAVERSEE MÂLE-FEMELLE BSPP (GAS CYLINDRIQUE)
EIN-AUFSCRAUB GERADE SCHOTTADAPTER SAE/BSPP (B.S.P. ZYLINDRISCHE)
UNIONE PASSAPARATIA MASCHIO-FEMMINA BSPP (GAS CILINDRICO)



50.57

Pag. 19

ADAPTADOR DOBLE TUERCA SAE
FEMALE ADAPTOR
ADAPTATEUR FEMELLE
AUFSCRAUBADAPTER
ADATTATORE FEMMINA



50.63

Pag. 19

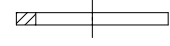
JUNTA TÓRICA SAE
O-RING SAE
JOINT SAE
DICHTUNG SAE
GUARNIZIONE SAE



50.63 M

Pag. 19

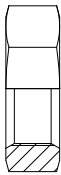
JUNTA TÓRICA MÉTRICA
O-RING METRIC
JOINT METRIC
DICHTUNG METRISCH
GUARNIZIONE METRICO



50.61

Pag. 20

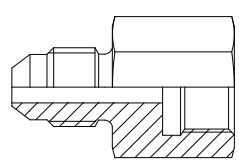
ARANDELA METÁLICA MÉTRICA
METALLIC O-RING METRIC



50.65

Pag. 20

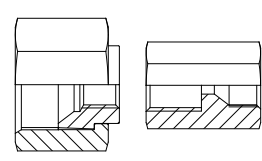
TUERCA PASATABIQUES
BULKHEAD NUT
CONTRE-ÉCROU
GEGENMUTTERN
CONTRODADO



50.90

Pag. 20

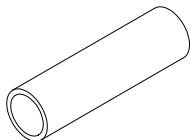
RACOR PARA MANÓMETRO
PRESSURE GAUGE CONNECTOR
ADAPTATEUR POUR MANOMÈTRE
ADAPTER FÜR MANOMETER
RACCORDA PER MANOMETRO



50.91

Pag. 21

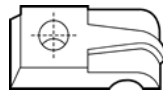
RACOR PARA TOMA PRESIÓN
PRESSURE GAUGE CONNECTOR
ADAPTATEUR POUR PRISE DE PRESION
ADAPTER FÜR PRÜFANSCHLUß
RACCORDO PER PRESA/PRESSIONE



51.00.00

Pag. 21

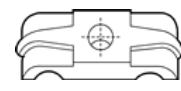
TUBO ACERO GAS Y MÉTRICO
STEEL TUBE BSPP PARALLEL AND METRIC



51.01

Pag. 22

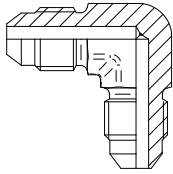
ABRAZADERA SIMPLE
BRACKETS FOR TUBES BLOCKING
COLLIERS DE SERRAGE DES TUBES
BEFESFIGUGS SCHELLEN
COLLARI FISSAGGIO TUBI



51.03

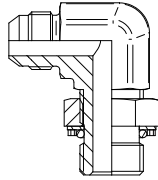
Pag. 23

ABRAZADERA DOBLE
DOUBLE BRACKETS FOR TUBES BLOCKING
COLLIERS DE SERRAGE DES TUBES DOUBLES
DEPPEL BEFESFIGUGS SCHELLEN
COLLARI FISSAGGIO TUBI DOPPI

**54.01**

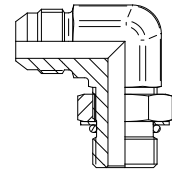
Pag. 23

CODO 90° TUBO-TUBO MF JIC 37°
ELBOW COUPLING 90°
UNION COUDE 90°
WINKELVERSCHRAUBUNG 90°
UNIONE GOMITO 90°

**54.05**

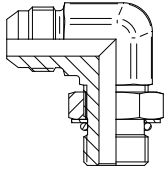
Pag. 23

CODO 90° ORIENTABLE SAE-GAS
90° ADJUSTABLE STUD ELBOW (B.S.P. PARALLEL)
COUDE MÂLE 90° BSPP (GAS CYLINDRIQUE)
WINKLEINSCHRAUBVERSCHRAUBUNG 90° BSPP (B.S.P. ZYLINDRISCH)
GOMITO MASCHIO 90° BSPP (GAS CILINDRICO)

**54.06**

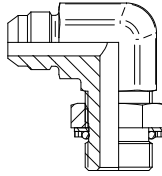
Pag. 24

CODO 90° ORIENTABLE SAE
90° ADJUSTABLE STUD ELBOW UNF 2A
COUDE MÂLE 90° UNF 2A
WINKLEINSCHRAUBVERSCHRAUBUNG 90° UNF 2A
GOMITO MASCHIO 90° UNF 2A

**54.07**

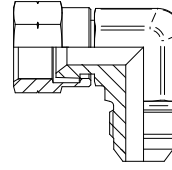
Pag. 25

CODO 90° ORIENTABLE SAE-MÉTRICO ISO 6149
90° ADJUSTABLE STUD ELBOW METRIC-PARALLEL ISO 6149
COUDE MÂLE 90° CILINDRIQUE-MÉTRIQUE ISO 6149
WINKLEINSCHRAUBVERSCHRAUBUNG 90° METRISCH ISO 6149
GOMITO MASCHIO 90° METRICO CILINDRICO ISO 6149

**54.17**

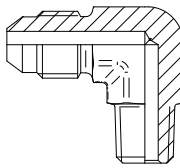
Pag. 25

CODO 90° ORIENTABLE SAE-MÉTRICO DIN 3852
90° ADJUSTABLE STUD ELBOW METRIC-PARALLEL DIN 3852
COUDE MÂLE 90° CILINDRIQUE-MÉTRIQUE DIN 3852
EINSTELLBARE WINKEL-EINSCHRAUBVERSCHRAUBUNG METRISCH DIN 3852
GOMITO MASCHIO 90° METRICO CILINDRICO DIN 3852

**54.09**

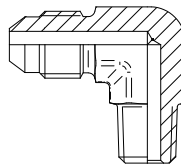
Pag. 26

CODO 90° MF-TL JIC
90° SWIVEL ELBOW JIC
UNION COUDE 90° ECROU PIVOTANT JIC
WINKLEINSCHRAUBUNG 90° MIT DREHMUTTER JIC
UNIONE GOMITO 90° CON DADO GIREVOLE JIC

**54.11**

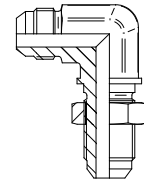
Pag. 26

CODO 90° MACHO SAE-NPTF
ELBOW MALE COUPLING 90° NPTF
COUDE MÂLE 90° NPTF
WINKLEINSCHRAUBVERSCHRAUBUNG 90° NPTF
GOMITO MASCHIO 90° NPTF

**54.12**

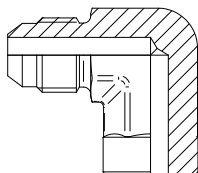
Pag. 27

CODO 90° MACHO SAE-BSPT (GAS CÓNICO)
ELBOW MALE COUPLING 90° BSPT
COUDE MÂLE 90° BSPT (GAZ CONIQUE)
WINKLEINSCHRAUBVERSCHRAUBUNG BSPT (WHITWORTH ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 90° BSPT (GAS CONICO)

**54.13**

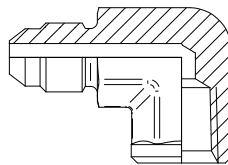
Pag. 27

CODO 90° PASATABIQUES JIC
BULKHEAD ELBOW 90°
UNION TRAVERSÉE COUDE 90°
WINKELSCHOTTVERSCHRAUBUNG 90°
UNIONE PASSAPARATIA GOMITO 90°

**54.15**

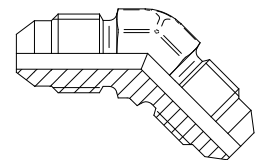
Pag. 28

CODO 90° SOLDABLE
WELDING ELBOW 90°
COUDE 90° À SOUDER
ANSCHWEISSWINKEL 90°
GOMITO 90° SILDABILE

**54.16**

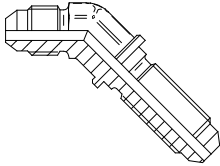
Pag. 28

CODO 90° MF JIC 37°-HF NPTF
ELBOW 90° MALE JIC 37°-FEMALE NPTF
UNION COUDE 90° MÂLE JIC 37°-FEMELLE NPTF
WINKELVERSCHRAUBUNG 90° MUTTERSETTING NPTF
UNIONE GOMITO 90° MASCHIO JIC 37°-FEMMINA NPTF

**54.41**

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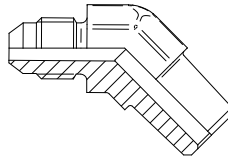
CODO 45° TUBO-TUBO MF JIC 37°
ELBOW COUPLING 45°
UNION COUDE 45°
WINKELVERSCHRAUBUNGEN 45°
UNIONE GOMITO 45°



54.42

Pag. 29

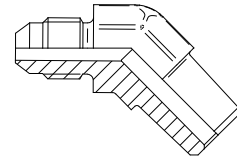
CODO 45° PASATABIQUES JIC
BULKHEAD ELBOW 45°
UNION TRAVERSEE COUDE 45°
WINKEL-SCHOTTVERSCHAUBUNGEN 90°
UNIONE PASSAPARATIA GOMITO 45°



54.43

Pag. 29

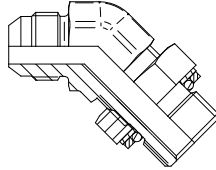
CODO 45° MACHO SAE-NPTF
ELBOW MALE COUPLING 45° NPTF
COUDE MÂLE 45° NPTF
WINKELEINSCHRAUBVERSCHAUBUNG 45° NPTF
GOMITO MASCHIO 45° NPTF



54.44

Pag. 30

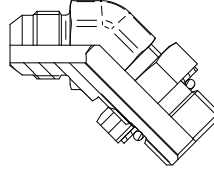
CODO 45° MACHO SAE-BSPT (GAS CÓNICO)
ELBOW MALE COUPLING 45° BSPT (B.S.P. TAPERED)
COUDE MÂLE 45° BSPT (GAZ CONIQUE)
WINKELEINSCHRAUBVERSCHAUBUNG 45° BSPT
(WHITWORTH- ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 90° BSPT (GAS CONICO)



54.45

Pag. 30

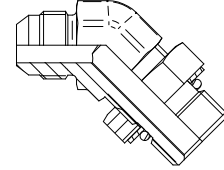
CODO 45° ORIENTABLE SAE-GAS
45° ADJUSTABLE STUD ELBOW BSPP (B.S.P. PARALLEL)
COUDE MÂLE 45° BSPP (GAS CYLINDRIQUE)
EINSTELLBARE WINKEL-EINSCHRAUB VERSCHAUBUNG 45°
BSPP (B.S.P. ZYLINDRISCHE)
GOMITO MASCHIO 45° BSPP (GAS CILINDRICO)



54.46

Pag. 30

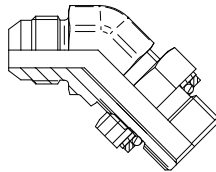
CODO 45° SAE ORIENTABLE
45° ADJUSTABLE STUD ELBOW UNF 2A
COUDE MÂLE 45° UNF 2A
WINKELEINSCHRAUBVERSCHAUBUNG 45° UNF 2A
GOMITO MASCHIO 45° UNF 2A



54.47

Pag. 31

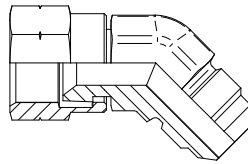
CODO 45° ORIENTABLE SAE-MÉTRICO ISO 6149
45° ADJUSTABLE STUD ELBOW METRIC-PARALLEL ISO 6149
COUDE MÂLE 45° CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVERSCHAUBUNG 45° METRISCH ISO
6149
GOMITO MASCHIO 45° METRICO CILINDRICO ISO 6149



54.48

Pag. 31

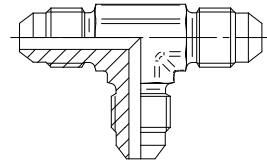
CODO 45° ORIENTABLE SAE-MÉTRICO DIN 3852
45° ADJUSTABLE STUD ELBOW METRIC-PARALLEL DIN 3852
COUDE MÂLE 45° CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVERSCHAUBUNG 45° METRISCH DIN
3852
GOMITO MASCHIO 45° METRICO CILINDRICO DIN 3852



54.49

Pag. 31

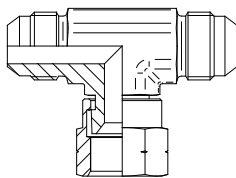
CODO 45° MF-TL JIC
45° SWIVEL ELBOW JIC
UNION COUDE 45° ECRU PIVOTANT JIC
WINKELEINSCHRAUBVERSCHAUBUNG 45° MIT
DREHMUTTER JIC
UNIONE GOMITO 45° CON DADO GIREVOLE JIC



54.51

Pag. 32

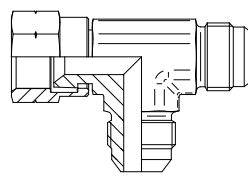
TE TUBO-TUBO SAE
EQUAL TEES
UNION "T"
T-VERSCHAUBUNG
UNIONE A "T"



54.55

Pag. 32

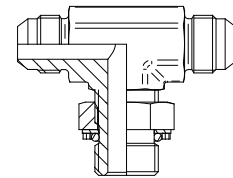
TE MF-TL CENTRAL SAE
SWIVEL BRANCH TEE JIC
"T" DE LIGNE AVEC ECRU PIVOTANT JIC
LINIEN-T MIT DREHMUTTER JIC
"T" DI LINEA CON DADO GIREVOLE JIC



54.59

Pag. 33

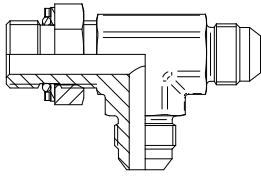
TE MF-TL LATERAL SAE
SWIVEL RUN TEE JIC
"T" DE DÉRIVATION AVEC ECRU PIVOTANT JIC
ABLEITUNG "T" MIT DREHMUTTER JIC
"T" DI DERIVAZIONE CON DADO GIREVOLE JIC



54.61

Pag. 33

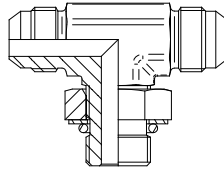
TE ORIENTABLE CENTRAL SAE-GAS
BRANCH TEE-ADJUSTABLE (B.S.P. PARALLEL)
"T" MÂLE DE LIGNE BSPP (GAS CYLINDRIQUE)
LINIEN EINSCHRAUB-T BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI LINEA BSPP (GAS CILINDRICO)



54.63

Pag. 33

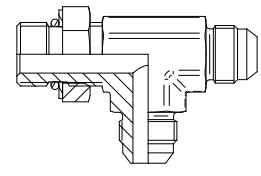
TE ORIENTABLE LATERAL SAE-GAS
 RUN TEE-ADJUSTABLE (B.S.P. PARALLEL)
 "T" MÂLE DE DERIVATION BSPP (GAZ CYLINDRIQUE)
 ABLEITUNG BSPP (B.S.P. ZYLINDRISCHE)
 "T" MASCHIO DI DERIVAZIONE BSPP (GAS CILINDRICO)



54.65

Pag. 34

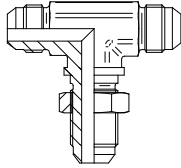
TE ORIENTABLE CENTRAL SAE
 BRANCH TEE-ADJUSTABLE UNF 2A
 "T" MÂLE LIGNE UNF 2A
 LINIEN EINSCHRAUB-T UNF 2A
 "T" MASCHIO DI LINEA UNF 2A



54.67

Pag. 34

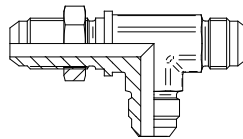
TE ORIENTABLE LATERAL SAE
 RUN TEE-ADJUSTABLE UNF 2A
 "T" MÂLE DE DERIVATION UNF 2A
 ABLEITUNG "T" UNF 2A
 "T" MASCHIO DI DERIVAZIONE UNF 2A



54.73

Pag. 35

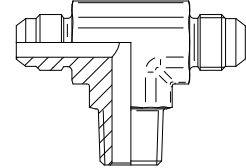
TE PASATABIQUES CENTRAL JIC
 BULKHEAD BRANCH TEE JIC
 "T" DE LIGNE TRAVERSÉE JIC
 "T" SCHOTTADAPTER JIC
 "T" DI LINEA PASSAPARATIA JIC



54.74

Pag. 35

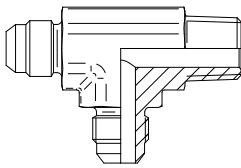
TE PASATABIQUES LATERAL JIC
 BULKHEAD RUN TEE JIC
 "T" DE DÉRIVATION TRAVERSÉE JIC
 "L" SCHOTTADAPTER JIC
 "T" MASCHIO DI DERIVAZIONE PASSAPARATIA



54.81

Pag. 35

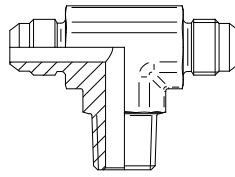
TE MACHO JIC 37°-NPTF CENTRAL
 MALE BRANCH TEE JIC 37°-NPTF
 "T" DE LIGNE MÂLE JIC 37°-NPTF
 LINIEN EINSCHRAUB T NPTF
 "T" DI LINEA MASCHIO JIC 37°-NPTF



54.83

Pag. 36

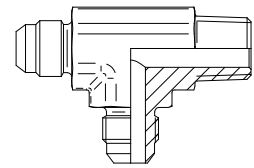
TE MACHO JIC 37°-NPTF LATERAL
 MALE RUN TEE JIC 37°-NPTF
 "T" DE DERIVATION MÂLE JIC 37°-NPTF
 ABLEITUNG "T" NPT
 "T" DI DERIVAZIONI MASCHIO JIC 37°-NPTF



54.82

Pag. 36

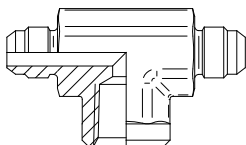
TE MACHO JIC 37°-BSPT CENTRAL
 MALE BRANCH TEE JIC 37°-BSPT
 "T" DE LIGNE MÂLE JIC 37°-BSPT
 LINIEN EINSCHRAUB T BSPT (WITHWORTH-ROHRGEWINDE
 KEGELIG)
 "T" DI LINEA MASCHIO JIC 37°-BSPT



54.84

Pag. 36

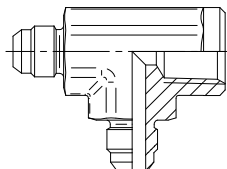
TE MACHO JIC 37°-BSPT LATERAL
 MALE RUN TEE JIC 37°-BSPT
 "T" DE DERIVATION MÂLE JIC 37°-BSPT
 ABLEITUNG "T" BSPT (WITHWORTH-ROHRGEWINDE
 KEGELIG)
 "T" DI DERIVAZIONI MASCHIO JIC 37°BSPT



54.85

Pag. 37

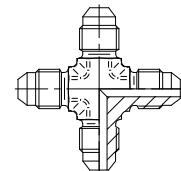
TE MACHO JIC 37°-HF CENTRAL NPTF
 RUN TEE MALE JIC 37°-FEMALE NPTF
 "T" DE LIGNE MÂLE JIC 37°-FEMELLE NPTF
 LINIEN EINSCHRAUB T MUTTERSETTING NPTF
 "T" DI LINEA MASCHIO JIC 37°-FEMMINA NPTF



54.86

Pag. 37

TE MACHO JIC 37°-HF LATERAL NPTF
 RUN TEE MALE JIC 37°-FEMALE NPTF
 "T" DE DERIVATION MÂLE JIC 37°-FEMELLE NPTF
 ABLEITUNG "T" MUTTERSETTING NPT
 "T" DI DERIVAZIONI MASCHIO JIC 37°-FEMMINA NPTF



54.90

Pag. 38

ADAPTADOR CRUZ MACHO JIC 37°
 UNION CROSS MALE JIC 37°
 ADAPTEUR CROIX MÂLE JIC 37°
 KREUZADAPTER STUTZEN JIC 37°
 RACCORDI INTERMEDI A CROCE MASCHIO JIC 37°



40.21

Pag. 38

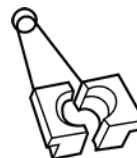
PUNZÓN
PUNCH
POICON
STEMPEL
PUNZONE



40.25

Pag. 38

PUNZÓN ESBOZO
PRE-FLARING PUNCH
POINÇON PREEVASEMENT
SPITZSENK VORSTEMPEL
PUNZONE PRESVASATORE



40.22

Pag. 39

MORDAZA PARA TUBO MÉTRICO
TUBE TONGS
BLOQUE TUBE
ROHREINSPANNUNG
SERRATUBO



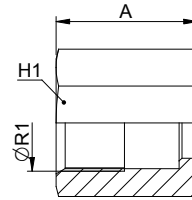
40.23

Pag. 39

MORDAZA PARA TUBO GAS
TUBE TONGS
BLOQUE TUBE
ROHREINSPANNUNG
SERRATUBO

50.13

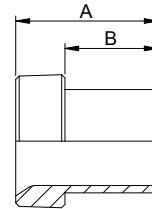
TUERCA
NUT
ECROU
ÜBERWURFMUTTER
DADO



Ref.	A	H1	ØR1
50.13.00.04	15,5	14	7/16
50.13.00.05	17	17	1/2
50.13.00.06	18,3	19	9/16
50.13.00.08	21,3	22	3/4
50.13.00.10	24,6	27	7/8
50.13.00.12	25,9	32	1.1/16
50.13.00.14	27,4	36	1.3/16
50.13.00.16	28,4	41	1.5/16
50.13.00.20	31	50	1.5/8
50.13.00.24	35,8	60	1.7/8

50.15

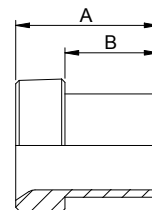
FÉRULA: TUBO PULGADAS
BUSH: INCHES TUBE
FOURREAU: TUBE POUCES
STÜTZHÜLSE: ZÖLLIGES ROHR
BUSSOLA: TUBO POLLICI



Ref.	A	B
50.15.00.04	10,4	6,8
50.15.00.05	11,2	7,1
50.15.00.06	12,7	8,4
50.15.00.08	14,2	8,6
50.15.00.10	16,8	10,7
50.15.00.12	17,3	10,7
50.15.00.16	19,8	12,7
50.15.00.20	23,1	15,2
50.15.00.24	28,4	19,8

50.83

FÉRULA: TUBO MÉTRICO
SLEEVE: METRIC TUBE
FOURREAU: TUBE METRIQUE
STÜTZHÜLSE: METRISCHE ROHR
BUSSOLA: TUBO METRICO

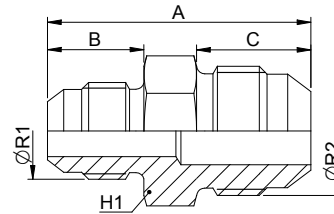


Ref.	A	B
50.83.00.06	10.4	6.8
50.83.00.08	11.2	7.1
50.83.00.10	12.7	8.4
50.83.00.12	14.2	8.6
50.83.00.13	14.2	8.6
50.83.00.14	16.8	10.7
50.83.00.15	16.8	10.7
50.83.00.16	16.8	10.7
50.83.00.18	17.3	10.7

Ref.	A	B
50.83.00.20	17.3	10.7
50.83.00.22	19.3	12.7
50.83.00.25	19.8	12.7
50.83.00.28	23.1	15.2
50.83.00.30	23.1	15.2
50.83.00.32	23.1	15.2
50.83.00.35	28.4	19.8
50.83.00.38	28.4	19.8

50.17

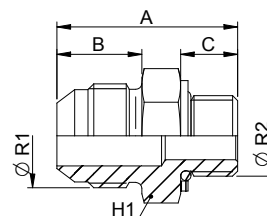
EMPALME TUBO-TUBO JIC
STRAIGHT COUPLING
UNION DROIT
GERADE VERSCHRAUBUNG
UNIONE DIRITTA



Ref.	A	B	C	H1	ØR1	ØR2
50.17.00.04	34,8	14	14	13	7/16	7/16
50.17.04.05	34,8	14	14	14	7/16	1/2
50.17.04.06	35,7	14	14,1	16	7/16	9/16
50.17.00.05	34,8	14	14	14	1/2	1/2
50.17.05.06	35,7	14	14,1	16	7/16	9/16
50.17.00.06	35,8	14,1	14,1	16	9/16	9/16
50.17.06.08	38,5	14,1	16,7	19	9/16	3/4
50.17.06.12	47	14,1	21,9	27	9/16	1.1/16
50.17.00.08	41,1	16,7	16,7	24	3/4	3/4
50.17.08.10	45	16,7	19,3	24	3/4	7/8
50.17.08.12	49,8	16,7	21,9	27	3/4	1.1/16
50.17.08.16	51,8	16,7	23,1	36	3/4	1.5/16
50.17.00.10	47,8	19,3	19,3	24	7/8	7/8
50.17.10.12	52,2	19,3	21,9	27	7/8	1.1/16
50.17.10.20	56,7	19,3	24,3	46	7/8	1 5/8
50.17.00.12	54,9	21,9	21,9	27	1.1/16	1.1/16
50.17.12.16	56	21,9	23,1	36	1.1/16	1.5/16
50.17.00.16	57,2	23,1	23,1	36	1.5/16	1.5/16
50.17.16.20	60,5	23,1	24,3	46	1.5/16	1.5/8
50.17.16.24	71	23,1	27,5	50	1.5/16	1.7/8
50.17.00.20	61,7	24,3	24,3	46	1.5/8	1.5/8
50.17.00.24	69,8	27,5	27,5	50	1.7/8	1.7/8
50.17.00.32	86,5	33,9	33,9	65	2.1/2	2.1/2

50.19

EMPALME CILÍNDRICO JIC-GAS
MALE STUD BSPP (B.S.P.PARALLEL)
TERMINAL DROIT MÂLE BSPP (GAS CYLINDRIQUE)
GERADE EINSCHRAUB BSPP (B.S.P.P ZYLINDRISCH)
TERMINALE DIRITTO MASCHIO BSPP (GAS CILINDRICO)



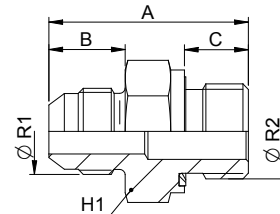
Ref.	A	B	C	H1	ØR1	ØR2
50.19.04.02	28,7	14	6,3	16	7/16	1/8
50.19.04.04	32	14	9,5	19	7/16	1/4
50.19.04.06	33	14	9,5	22	7/16	3/8
50.19.04.08	38,6	14	13	30	7/16	1/2
50.19.05.04	32	14	9,5	19	1/2	1/4
50.19.05.06	33	14	9,5	22	1/2	3/8

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
50.19.05.08	37,7	14	14,7	30	1/2	1/2
50.19.06.04	32	14,1	9,5	19	9/16	1/4
50.19.06.06	33	14,1	9,5	22	9/16	3/8
50.19.06.08	38,6	14,1	13	30	9/16	1/2
50.19.06.12		14,1	13	36	9/16	3/4
50.19.08.04	35	16,7	9,5	19	3/4	1/4
50.19.08.06	36	16,7	9,5	22	3/4	3/8
50.19.08.08	41,4	16,7	13	30	3/4	1/2
50.19.08.12	42,4	16,7	13	36	3/4	3/4
50.19.10.06	39,1	19,3	9,5	24	7/8	3/8
50.19.10.08	43,9	19,3	13	30	7/8	1/2
50.19.10.12	43,9	19,3	13	36	7/8	3/4
50.19.10.16	48	19,3	18,7	46	7/8	1
50.19.12.06	42,4	21,9	9,5	30	1.1/16	3/8
50.19.12.08	46,7	21,9	13	30	1.1/16	1/2
50.19.12.12	47,5	21,9	13	36	1.1/16	3/4
50.19.12.16	52,6	21,9	16	46	1.1/16	1
50.19.16.08	47,8	23,1	14,7	36	1.5/16	1/2
50.19.16.12	48,5	23,1	13	36	1.5/16	3/4
50.19.16.16	53,6	23,1	16	50	1.5/16	1
50.19.16.20	55,1	23,1	16	50	1.5/16	1.1/4
50.19.16.24	55,8	23,1	16	60	1.5/16	1.1/2
50.19.20.16	53	24,3	16	46	1.5/8	1
50.19.20.20	56,9	24,3	16	50	1.5/8	1.1/4
50.19.24.16	59,8	27,5	16	50	1.7/8	1
50.19.24.20	60,4	27,5	16	50	1.7/8	1.1/4
50.19.24.24	61	27,5	16	60	1.7/8	1.1/2
50.19.24.32	61,2	27,5	18,7	70	1.7/8	2
50.19.32.24		33,9	16	70	2.1/2	1.1/2
50.19.32.32	67,6	33,9	18,7	70	2.1/2	2

50.19 ED

EMPALME CILÍNDRICO JIC-GAS ED
MALE STUD BSPP ED (B.S.P.PARALLEL)
TERMINAL DROIT MÂLE BSPP ED (GAS CYLINDRIQUE)
GERADE EINSCHRAUB BSPP ED (B.S.P. ZYLINDRISCH)
TERMINALE DIRITTO MASCHIO BSPP ED (GAS CILINDRICO)



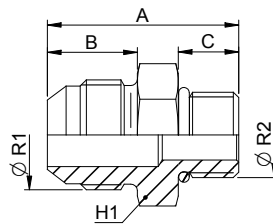
Ref.	A	B	C	H1	ØR1	ØR2
50.19.04.02 ED	30.5	14	8	14	7/16	1/8
50.19.04.04 ED	35	14	12	19	7/16	1/4
50.19.04.06 ED	36.2	14	12	22	7/16	3/8
50.19.04.08 ED	41	14	14	27	7/16	1/2
50.19.04.12 ED	43	14	16	32	7/16	3/4
50.19.05.02 ED	30.5	14	8	14	1/2	1/8
50.19.05.04 ED	35	14	12	19	1/2	1/4
50.19.05.06 ED	36.2	14	12	22	1/2	3/8
50.19.05.08 ED	41	14	14	27	1/2	1/2
50.19.06.02 ED	30,6	14,1	8	17	9/16	1/8
50.19.06.04 ED	35,1	14,1	12	19	9/16	1/4
50.19.06.06 ED	36,3	14,1	12	22	9/16	3/8
50.19.06.08 ED	41,1	14,1	14	27	9/16	1/2
50.19.06.12 ED	43,1	14,1	16	32	9/16	3/4
50.19.08.04 ED	37,7	16,7	12	19	3/4	1/4
50.19.08.06 ED	39,3	16,7	12	22	3/4	3/8
50.19.08.08 ED	43,7	16,7	14	27	3/4	1/2
50.19.08.12 ED	45,7	16,7	16	32	3/4	3/4
50.19.08.16 ED	48,7	16,7	18	41	3/4	1

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
50.19.10.06 ED	42,4	19,3	12	24	7/8	3/8
50.19.10.08 ED	46,3	19,3	14	27	7/8	1/2
50.19.10.12 ED	48,3	19,3	16	32	7/8	3/4
50.19.10.16 ED	51,3	19,3	18	41	7/8	1
50.19.12.06 ED	45,7	21,9	12	27	1.1/16	3/8
50.19.12.08 ED	48,9	21,9	14	27	1.1/16	1/2
50.19.12.12 ED	50,9	21,9	16	32	1.1/16	3/4
50.19.12.16 ED	54,9	21,9	18	41	1.1/16	1
50.19.12.20 ED	56,9	21,9	20	50	1.1/16	1.1/4
50.19.16.08 ED	51,1	23,1	14	36	1.5/16	1/2
50.19.16.12 ED	53,1	23,1	16	36	1.5/16	3/4
50.19.16.16 ED	56,1	23,1	18	41	1.5/16	1
50.19.16.20 ED	58,8	23,1	20	50	1.5/16	1.1/4
50.19.16.24 ED	62,6	23,1	22	55	1.5/16	1.1/2
50.19.20.16 ED	57,3	24,3	18	46	1.5/8	1
50.19.20.20 ED	60	24,3	20	50	1.5/8	1.1/4
50.19.20.24 ED	62	24,3	22	55	1.5/8	1.1/2
50.19.24.16 ED	61,2	27,5	18	50	1.7/8	1
50.19.24.20 ED	63,2	27,5	20	50	1.7/8	1.1/4
50.19.24.24 ED	67	27,5	22	55	1.7/8	1.1/2
50.19.24.32 ED	71	27,5	25	70	1.7/8	2
50.19.32.24 ED	73,9	33,9	22	70	2.1/2	1.1/2
50.19.32.32 ED	77,4	33,9	25	70	2.1/2	2

50.21

EMPALME CILÍNDRICO JIC-SAE
MALE STUD UNF 2A
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



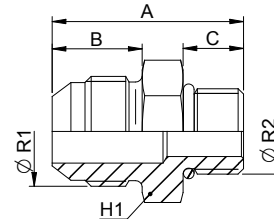
Ref.	A	B	C	H1	ØR1	ØR2
50.21.04.04	31,2	14	9,1	14	7/16	7/16
50.21.04.05	31,2	14	9,1	16	7/16	1/2
50.21.04.06	33	14	9,9	17	7/16	9/16
50.21.04.08	37,5	14	14	22	7/16	3/4
50.21.05.05	31,2	14	9,1	16	1/2	1/2
50.21.06.04	31,7	14,1	9,1	16	9/16	7/16
50.21.06.06	33	14,1	9,9	17	9/16	9/16
50.21.06.08	35,1	14,1	11,1	22	9/16	3/4
50.21.06.10	37,3	14,1	12,7	27	9/16	7/8
50.21.08.06	36,1	16,7	9,9	22	3/4	9/16
50.21.08.08	37,6	16,7	11,1	22	3/4	3/4
50.21.08.10	40,6	16,7	12,7	27	3/4	7/8
50.21.08.12	44,7	16,7	15,1	32	3/4	1.1/16
50.21.10.08	40,6	19,3	11,1	24	7/8	3/4
50.21.10.10	43,2	19,3	12,7	27	7/8	7/8
50.21.10.12	47,2	19,3	15,1	32	7/8	1.1/16
50.21.10.20	50,1	19,3	15,1	50	7/8	1 5/8
50.21.12.08	45,2	21,9	11,1	27	1.1/16	3/4
50.21.12.10	46,4	21,9	12,7	27	1.1/16	7/8
50.21.12.12	50	21,9	15,1	32	1.1/16	1.1/16
50.21.12.16	50,8	21,9	15,1	38	1.1/16	1.5/16
50.21.16.10	47,8	23,1	12,7	36	1.5/16	7/8
50.21.16.12	51,1	23,1	15,1	36	1.5/16	1.1/16
50.21.16.16	51,8	23,1	15,1	38	1.5/16	1.5/16
50.21.16.20	53,8	23,1	15,1	50	1.5/16	1.5/8
50.21.20.16	55	24,3	15,1	50	1.5/8	1.5/16

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
50.21.20.20	55,1	24,3	15,1	50	1.5/8	1.5/8
50.21.20.24	57	24,3	15,1	55	1.5/8	1.7/8
50.21.24.20	55,5	27,5	15,1	55	1.7/8	1.5/8
50.21.24.24	60,2	27,5	15,1	55	1.7/8	1.7/8
50.21.32.32	71	33,9	15,1	70	2.1/2	2.1/2

50.23

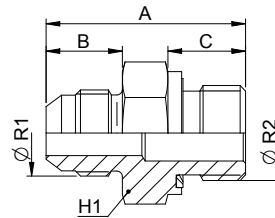
EMPALME CILÍNDRICO JIC-MÉTRICO ISO 6149
MALE STUD METRIC PARALLEL
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ISO 6149
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ISO 6149
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ISO 6149



Ref.	A	B	C	H1	ØR1	ØR2
50.23.04.02	30	14	9	16	7/16	10x1
50.23.04.03	32	14	11	19	7/16	12x1,5
50.23.04.04	32	14	11	19	7/16	14x1,5
50.23.04.06	34	14	12	24	7/16	18x1,5
50.23.04.08	37	14	14	27	7/16	22x1,5
50.23.05.02	30	14	9	14	1/2	10x1
50.23.05.03	32	14	11	19	1/2	12x1,5
50.23.05.04	32	14	11	19	1/2	14x1,5
50.23.06.03	32	14,1	11	19	9/16	12x1,5
50.23.06.04	32	14,1	11	19	9/16	14x1,5
50.23.06.05	33,1	14,1	12	22	9/16	16x1,5
50.23.06.06	34,1	14,1	12	24	9/16	18x1,5
50.23.06.08	37,4	14,1	14	27	9/16	22x1,5
50.23.08.03	34,7	16,7	11	19	3/4	12x1,5
50.23.08.04	35,2	16,7	11	19	3/4	14x1,5
50.23.08.05	36	16,7	11,5	22	3/4	16x1,5
50.23.08.06	38	16,7	12	24	3/4	18x1,5
50.23.08.08	40	16,7	14	27	3/4	22x1,5
50.23.08.12	43,5	16,7	17	32	3/4	26x1,5
50.23.10.06	40	19,3	12	24	7/8	18x1,5
50.23.10.07	43,5	19,3	14	27	7/8	20x1,5
50.23.10.08	43,5	19,3	14	27	7/8	22x1,5
50.23.10.12					7/8	26x1,5
50.23.10.14					7/8	27x2
50.23.12.06	44	21,9	12	27	1.1/16	18x1,5
50.23.12.08	46	21,9	14	27	1.1/16	22x1,5
50.23.12.12	49,5	21,9	17	32	1.1/16	26x1,5
50.23.12.14	49,5	21,9	17	32	1.1/16	27x2
50.23.12.16	50,8	21,9	18	41	1.1/16	33x2
50.23.16.08	47,6	23,1	14	36	1.5/16	22x1,5
50.23.16.12	50,5	23,1	17	36	1.5/16	26x1,5
50.23.16.16	52,5	23,1	18	41	1.5/16	33x2
50.23.20.20	57	24,3	19	50	1.5/8	42x2
50.23.24.22	63,5	27,5	22	55	1.7/8	48x2
50.23.24.24	63,5	27,5	22	55	1.7/8	50x2

50.23 ED

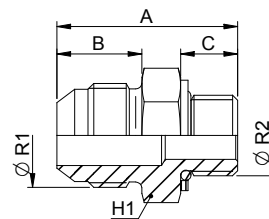
EMPALME CILÍNDRICO JIC-MÉTRICO DIN 3852 ED
MALE STUD METRIC PARALLEL ED
TERMINAL DROIT MÂLE CIL. METRIQUE DIN 3852 ED
GERADE EINSCHRAUB METRISCH-ZIL. DIN 3852 ED
TERMINALE DIRITTO MASCHIO METRICO-CIL. DIN 3852 ED



Ref.	A	B	C	H1	ØR1	ØR2
50.23.04.02ED	31,5	14	8	14	7/16	10x1
50.23.04.03ED	35,5	14	12	17	7/16	12x1,5
50.23.04.04ED	35,7	14	14	19	7/16	14x1,5
50.23.04.06ED	36,5	14	14,5	24	7/16	18x1,5
50.23.04.08ED	40	14	17	27	7/16	22x1,5
50.23.05.03ED	35,8	14	14	17	1/2	12x1,5
50.23.06.03ED	35,1	14,1	14	17	9/16	12x1,5
50.23.06.04ED	35,8	14,1	12	19	9/16	14x1,5
50.23.06.05ED	37,1	14,1	14	22	9/16	16x1,5
50.23.06.06ED	37,5	14,1	14,5	24	9/16	18x1,5
50.23.08.03ED	38,4	16,7	14	19	3/4	12x1,5
50.23.08.04ED	38,4	16,7	14	19	3/4	14x1,5
50.23.08.05ED	38,7	16,7	14	22	3/4	16x1,5
50.23.08.06ED	40,1	16,7	12	24	3/4	18x1,5
50.23.08.08ED	42,6	16,7	17	27	3/4	22x1,5
50.23.08.12ED	45,8	16,7	19	34	3/4	26x1,5
50.23.10.06ED	42,8	19,3	12	24	7/8	18x1,5
50.23.10.08ED	45,3	19,3	14	27	7/8	22x1,5
50.23.10.12ED	48,3	19,3	16	32	7/8	16x1,5
50.23.12.06ED	46	21,9	14,5	27	1.1/16	18x1,5
50.23.12.08ED	48	21,9	14	27	1.1/16	22x1,5
50.23.12.12ED	51	21,9	19	32	1.1/16	26x1,5
50.23.12.14ED	51	21,9	16	32	1.1/16	27x2
50.23.12.16ED	53,9	21,9	21	41	1.1/16	33X2
50.23.16.08ED	50,2	23,1	17	34	1.5/16	22x1,5
50.23.16.12ED	52,7	23,1	19	36	1.5/16	26x1,5
50.23.16.16ED	55,6	23,1	21	41	1.5/16	33X2
50.23.20.20ED	60,3	24,3	20	50	1.5/8	42x2
50.23.24.22ED	66	27,5	22	55	1.7/8	48x2

51.23

ADAPTADOR MACHO JIC-MÉTRICO DIN 3852
MALE STUD METRIC PARALLEL DIN 3852
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE DIN 3852
GERADE EINSCHRAUB METRISCH-ZILINDRISCH DIN 3852
TERMINALE DIRITTO MASCHIO METRICO-CIL. DIN 3852



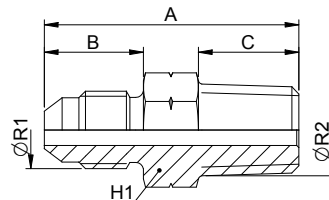
Ref.	A	B	C	H1	ØR1	ØR2
51.23.04.02	30	14	8	16	7/16	10x1
51.23.04.03	31	14	8,7	19	7/16	12x1,5
51.23.04.04	31	14	8,7	19	7/16	14x1,5
51.23.04.06	34	14	10,7	24	7/16	18x1,5
51.23.04.08	37	14	12,7	27	7/16	22x1,5
51.23.05.03	31	14	8,7	19	1/2	12x1,5
51.23.05.04	32	14	11	19	1/2	14x1,5
51.23.06.03	31	14,1	8,7	19	9/16	12x1,5
51.23.06.04	31	14,1	8,7	19	9/16	14x1,5
51.23.06.05	32,6	14,1	10	22	9/16	16x1,5
51.23.06.06	34,1	14,1	10,7	24	9/16	18x1,5

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
51.23.08.03	34,7	16,7	11	19	3/4	12x1,5
51.23.08.04	34,2	16,7	8,7	19	3/4	14x1,5
51.23.08.05	36	16,7	10	22	3/4	16x1,5
51.23.08.06	38	16,7	10,7	24	3/4	18x1,5
51.23.08.08	40	16,7	12,7	27	3/4	22x1,5
51.23.08.12	43,5	16,7	17	32	3/4	26x1,5
51.23.10.06	40	19,3	10,7	24	7/8	18x1,5
51.23.10.07	43,5	19,3	14,27	27	7/8	20x1,5
51.23.10.08	43,5	19,3	12,7	27	7/8	22x1,5
51.23.12.06	44	21,9	10,7	27	1.1/16	18x1,5
51.23.12.08	46	21,9	12,7	27	1.1/16	22x1,5
51.23.12.12	49,5	21,9	17	32	1.1/16	26x1,5
51.23.12.14	49,5	21,9	15	32	1.1/16	27x2
51.23.12.16	50,8	21,9	18	41	1.1/16	33x2
51.23.16.08	47,6	23,1	12,7	36	1.5/16	22x1,5
51.23.16.12	50,5	23,1	17	36	1.5/16	26x1,5
51.23.16.16	51,5	23,1	15	41	1.5/16	33x2
51.23.20.20	55,5	24,3	15,5	50	1.5/8	42x2
51.23.24.22	59,4	27,5	-	55	1.7/8	48x2
51.23.24.24	61	27,5	-	55	1.7/8	50x2

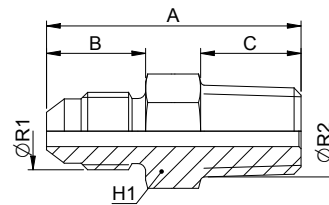
50.25

EMPALME JIC-NPTF
MALE STUD NPTF
TERMINAL DROIT MÂLE NPTF
GERADE EINSCHRAUB NPTF
TERMINALE DIRITTO MASCHIO NPTF



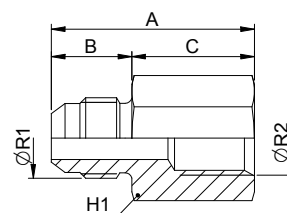
Ref.	A	B	C	H1	ØR1	ØR2
50.25.04.02	31	14	9,7	13	7/16	1/8
50.25.04.04	36	14	14,2	14	7/16	1/4
50.25.04.06	36,2	14	14,2	19	7/16	3/8
50.25.04.08	41	14	19	22	7/16	1/2
50.25.05.02	31	14	9,7	14	1/2	1/8
50.25.05.04	36	14	14,2	14	1/2	1/4
50.25.06.02	31,8	14,1	9,7	16	9/16	1/8
50.25.06.04	36,3	14,1	14,2	16	9/16	1/4
50.25.06.06	36,3	14,1	14,2	19	9/16	3/8
50.25.06.08	42,5	14,1	19	22	9/16	1/2
50.25.08.04	38,9	16,7	14,2	19	3/4	1/4
50.25.08.06	38,9	16,7	14,2	19	3/4	3/8
50.25.08.08	45,4	16,7	19	22	3/4	1/2
50.25.08.12	47	16,7	19	27	3/4	3/4
50.25.10.06	43,1	19,3	14,2	24	7/8	3/8
50.25.10.08	48	19,3	19	24	7/8	1/2
50.25.10.12	49,5	19,3	19	27	7/8	3/4
50.25.12.08	52,1	21,9	19	27	1.1/16	1/2
50.25.12.12	52,3	21,9	19	27	1.1/16	3/4
50.25.12.16	57,1	21,9	23,9	36	1.1/16	1
50.25.16.08	53,5	23,1	19	36	1.5/16	1/2
50.25.16.12	53,5	23,1	19	36	1.5/16	3/4
50.25.16.16	58,4	23,1	23,9	36	1.5/8	1
50.25.20.16	61,5	24,3	23,9	46	1.5/8	1
50.25.20.20	62,2	24,3	24,6	46	1.5/8	1.1/4
50.25.24.20	68,1	27,5	24,6	50	1.7/8	1.1/4
50.25.24.24	68,1	27,5	25,4	50	1.7/8	1.1/2
50.25.32.32	79	33,9	26,8	70	2	2

EMPALME JIC-BSPT (GAS CÓNICO)
 MALE STUD BSPT (BSP TAPERED)
 TERMINAL DROIT MÂLE BSPT (GAS CONIQUE)
 GERADE EINSCHRAUB-VERSCHRAUBUNG (WHITWORTH-
 ROHRGEWINDE KEGELIG)
 TERMINALE DIRITTO MASCHIO BSPT (GAS CONICO)



Ref.	A	B	C	H1	ØR1	ØR2
50.26.04.02	30,7	14	9,7	13	7/16	1/8
50.26.04.04	35,3	14	14,2	14	7/16	1/4
50.26.05.02	30,7	14	9,7	14	1/2	1/8
50.26.05.04	35,2	14	14,2	14	1/2	1/4
50.26.05.06	36	14	14,2	19	1/2	3/8
50.26.05.08	40,9	14	19	22	1/2	1/2
50.26.06.04	35,6	14,1	14,2	16	9/16	1/4
50.26.06.06	35,6	14,1	14,2	19	9/16	3/8
50.26.06.08	41,1	14,1	19	22	9/16	1/2
50.26.08.04	38,1	16,7	14,2	19	3/4	1/4
50.26.08.06	38,1	16,7	14,2	19	3/4	3/8
50.26.08.08	43,7	16,7	19	22	3/4	1/2
50.26.08.12	44,7	16,7	19	27	3/4	3/4
50.26.10.04	41,9	19,3	14,2	24	7/8	1/4
50.26.10.06	41,9	19,3	14,2	24	7/8	3/8
50.26.10.08	46,7	19,3	19	24	7/8	1/2
50.26.10.12	48,3	19,3	19	27	7/8	3/4
50.26.12.08	50,8	21,9	19	27	1.1/16	1/2
50.26.12.12	50,8	21,9	19	27	1.1/16	3/4
50.26.12.16	56,6	21,9	23,9	36	1.1/16	1
50.26.16.08	53,1	23,1	19	36	1.5/16	1/2
50.26.16.12	53,1	23,1	19	36	1.5/16	3/4
50.26.16.16	58	23,1	23,9	36	1.5/16	1
50.26.16.20	59,7	23,1	24,6	46	1.5/16	1 1/4
50.26.20.16	60,2	24,3	23,9	46	1.5/8	1
50.26.20.20	60,9	24,3	24,6	46	1.5/8	1.1/4
50.26.24.24	66,3	27,5	25,4	50	1.7/8	1.1/2
50.26.32.32	79	33,9	26,8	70	2.1/2	2

ADAPTADOR CILÍNDRICO MF JIC-HF GAS
 FEMALE STUD BSPP (B.S.P. PARALLEL)
 TERMINAL DROIT FEMELLE BSPP (GAS CYLINDRIQUE)
 GERADE AUFSCRAUB BSPP (B.S.P. ZYLINDRISCH)
 TERMINALE DIRITTO FEMMINA BSPP (GAS CILINDRICO)



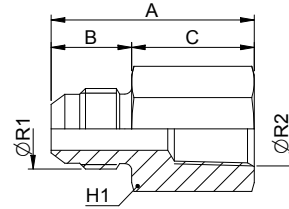
Ref.	A	B	C	H1	ØR1	ØR2
50.29.04.02	30,2	14	16,2	14	7/16	1/8
50.29.04.04	35,3	14	21,3	19	7/16	1/4
50.29.04.06	37	14	23	22	7/16	3/8
50.29.04.08	42,7	14	28,7	30	7/16	1/2
50.29.05.02	29,7	14	15,7	14	1/2	1/8
50.29.05.04	35,5	14	21,5	19	1/2	1/4
50.29.05.08	42,7	14	28,7	30	1/2	1/2
50.29.06.04	35,6	14,1	21,5	19	9/16	1/4
50.29.06.06	37,1	14,1	23	22	9/16	3/8
50.29.06.08	42,8	14,1	28,7	30	9/16	1/2
50.29.08.04		14,1		22	3/4	1/4
50.29.08.06	39,7	16,7	23	22	3/4	3/8

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
50.29.08.08	45,4	16,7	28,7	30	3/4	1/2
50.29.10.08	48	19,3	28,7	30	7/8	1/2
50.29.10.12	49,7	19,3	30,4	36	7/8	3/4
50.29.12.08	50,6	21,9	28,7	30	1.1/16	1/2
50.29.12.12	52,3	21,9	30,4	36	1.1/16	3/4
50.29.16.16	59,7	23,1	36,6	46	1.5/16	1
50.29.20.20	59,3	24,3	35	50	1.5/8	1.1/4
50.29.24.24	62,5	27,5	35	60	1.7/8	1.1/2

50.30

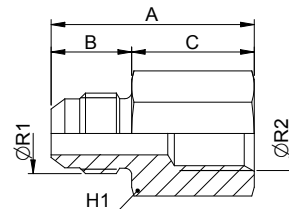
ADAPTADOR CILÍNDRICO MF JIC-HF NPTF FEMALE STUD NPTF



Ref.	A	B	C	H1	ØR1	ØR2
50.30.04.02					7/16	1/8
50.30.04.04	36	14	22	19	7/16	1/4
50.30.05.02					1/2	1/8
50.30.05.04					1/2	1/4
50.30.06.04	36	14,1	21,9	19	9/16	1/4
50.30.06.06	37,1	14,1	23	22	9/16	3/8
50.30.08.06	39,7	16,7	23	22	3/4	3/8
50.30.08.08	48,3	19,3	29	30	3/4	1/2
50.30.10.08	45,7	16,7	29	30	7/8	1/2
50.30.12.08					1 1/16	1/2
50.30.12.12					1 1/16	3/4
50.30.16.16					1 5/16	1
50.30.20.20					1 5/8	1 1/4
50.30.24.24					1 7/8	1 1/2

50.31 (A)

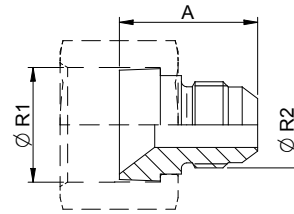
REDUCTOR TUBO-TUBO SAE STUD ADAPTOR RÉDUCTION REDUZIERVERSCHRAUBUNG RIDUZIONE



Ref.	A	B	C	H1	ØR1	ØR2
50.31.05.04	28	14	14	19	1/2	7/16
50.31.06.05	29	14	15	19	9/16	1/2
50.31.10.08	36,5	16,7	19,8	27	7/8	3/4
50.31.12.10	42,1	19,3	22,8	32	1.1/16	7/8

50.31 (B)

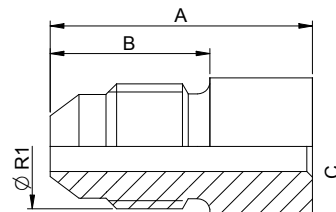
REDUCTOR TUBO-TUBO SAE (TUERCA NO INCLUIDA)
STUD ADAPTOR (NUT NOT INCLUDED)
RÉDUCTION
REDUZIERVERSCHRAUBUNG
RIDUZIONE



Ref.	A	ØR1	ØR2
50.31.06.04	24,6	9/16	7/16
50.31.08.04	25,4	3/4	7/16
50.31.08.05	25,4	3/4	1/2
50.31.08.06	25,5	3/4	9/16
50.31.10.04	26,1	7/8	7/16
50.31.10.06	26,2	7/8	9/16
50.31.12.04	27,6	1.1/16	7/16
50.31.12.06	27,7	1.1/16	9/16
50.31.12.08	30,3	1.1/16	3/4
50.31.16.06	29,5	1.5/16	9/16
50.31.16.08	32,1	1.5/16	3/4
50.31.16.10	34,7	1.5/16	7/8
50.31.16.12	37,3	1.5/16	1.1/16
50.31.20.10	36,2	1.5/8	7/8
50.31.20.12	38,8	1.5/8	1.1/16
50.31.20.16	40	1.5/8	1.5/16
50.31.24.12	40,5	1.7/8	1.1/16
50.31.24.16	41,7	1.7/8	1.5/16
50.31.24.20	42,9	1.7/8	1.5/8

50.39

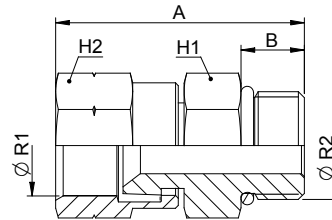
SOLDABLE JIC
WELDING
À SOUDER
ANSCHWEISSBAR
SALDABILE



Ref.	A	B	C	ØR1
50.39.00.04	23	14	12	7/16
50.39.00.05	24	14	12	1/2
50.39.00.06	24	14,1	14	9/16
50.39.00.08	27	16,7	20	3/4
50.39.00.10	30	19,3	22	7/8
50.39.00.12	34	21,9	28	1.1/16
50.39.00.16	37	23,1	34	1.5/16
50.39.00.20	40	24,3	42	1.5/8
50.39.00.24	45	27,5	48	1.7/8
50.39.00.32	55	33,9	64	2.1/2

50.41

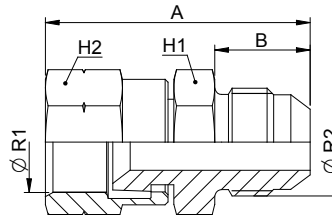
ADAPTADOR TL JIC-MF UNF 2A
MALE STUD ADAPTOR UNF 2A WITH ROTARY NUT JIC
ADAPTATEUR MÂLE UNF 2A AVEC ECROU PIVOTANT JIC
EINSCHRAUBADAPTER UNF 2A MIT DREHMUTTERN JIC
ADATTATORE MASCHIO UNF 2A CON DADO GIREVOLE JIC



Ref.	A	B	H1	H2	ØR1	ØR2
50.41.04.04	34,6	9,1	16	14	7/16	7/16
50.41.05.05	35,5	9,1	16	16	1/2	1/2
50.41.06.06	38,1	9,9	19	17	9/16	9/16
50.41.08.08	42,5	11,1	22	22	3/4	3/4
50.41.10.10	48,2	12,7	27	27	7/8	7/8
50.41.12.12	53,9	15,1	32	32	1.1/16	1.1/16
50.41.16.16	57,8	15,1	38	38	1.5/16	1.5/16
50.41.20.20	63,3	15,1	50	50	1.5/8	1.5/8
50.41.24.24	67	15,1	60	60	1.7/8	1.7/8

50.42

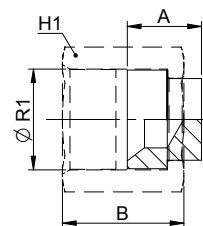
ADAPTADOR TL-MF JIC
CONNECTOR SWIVEL FEMALE JIC-MALE JIC



Ref.	A	B	H1	H2	ØR1	ØR2
50.42.04.04	38,4	14	14	16	7/16	7/16
50.42.05.05	39,5	14	16	16	1/2	1/2
50.42.06.06	40,1	14,1	17	19	9/16	9/16
50.42.08.08	46,4	16,7	22	22	3/4	3/4
50.42.10.10	53,5	19,3	27	27	7/8	7/8
50.42.12.12	58,7	21,9	32	32	1.1/16	1.1/16
50.42.16.16	64,8	23,1	36	38	1.5/16	1.5/16

50.43

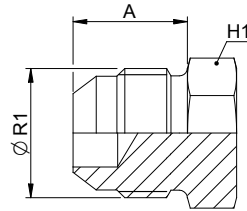
TUERCA CIEGA SAE (TUERCA INCLUIDA)
PLUG FOR FITTING (NUT INCLUDED)
OBTURATEUR POUR RACCORD
VERSCHLUSSBOLZEN
TAPPO PER RACCORDO



Ref.	A	B	H1	ØR1
50.43.00.04	9	15.5	14	7/16
50.43.00.05	10,5	17	17	5/16
50.43.00.06	10,5	18.3	19	9/16
50.43.00.08	13	21.3	22	3/4
50.43.00.10	14	24.6	27	7/8
50.43.00.12	14	25.9	32	1.1/16
50.43.00.16	17	28.4	41	1.5/16
50.43.00.20	19	31	51	1.5/8
50.43.00.24	21	35.8	60	1.7/8

50.45

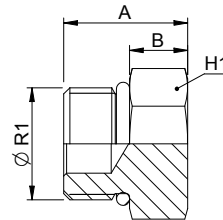
**TAPÓN MF JIC
PLUG FOR TUBE
OBTURATEUR POUR TUBE
ROHRVRSCHLUSS
TAPPO PER TUBO**



Ref.	A	H1	ØR1
50.45.00.04	20,3	13	7/16
50.45.00.05	20,3	14	1/2
50.45.00.06	21,3	16	9/16
50.45.00.08	23,9	19	3/4
50.45.00.10	27,9	24	7/8
50.45.00.12	32,5	27	1.1/16
50.45.00.16	33,8	36	1.5/16
50.45.00.20	36,8	46	1.5/8
50.45.00.24	41,9	50	1.7/8
50.45.00.32	52	65	2.1/2

50.45.99

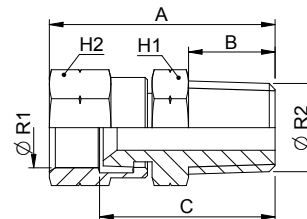
**TAPÓN MF UNF CON JUNTA TÓRICA
MALE PLUG WITH O-RING
OBTURATEUR POUR TUBE AVEC O-RING
ROHRVRSCHLUSS MIT O-RING DICHTUNG
TAPPO PER TUBO CON O-RING**



Ref.	A	B	H1	ØR1
50.45.99.04	17,2	8.1	14	7/16
50.45.99.05	17.2	9.1	16	1/2
50.45.99.06	18.9	9.9	17	9/16
50.45.99.08	20.9	11.1	22	3/4
50.45.99.10	23.9	12.7	27	7/8

50.46

**ADAPTADOR TL JIC-MF NPTF
MALE STUD ADAPTOR NPTF WITH ROTARY NUT JIC
ADAPTATEUR MÂLE NPTF AVEC ECROU PIVOTANT JIC
EINSCHRAUBADAPTER NPTF MIT DREHMUTTERN JIC
ADATTATORE MASCHIO NPTF CON DADO GIREVOLE JIC**

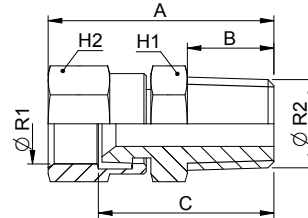


Ref.	A	B	C	H1	H2	ØR1	ØR2
50.46.04.02		9,7		14	16	7/16	1/8
50.46.04.04	38,6	14,2	29,7	14	16	7/16	1/4
50.46.05.02	35,6	9,7	27,6	14	16	1/2	1/8
50.46.05.04	39,5	14,2	29,7	14	16	1/2	1/4
50.46.05.06	38,6	14,2	29,7	19	16	1/2	3/8
50.46.06.02	36,1	9,7	28,1	14	19	9/16	1/8
50.46.06.04	40,4	14,2	30,7	19	14	9/16	1/4
50.46.06.06	40,7	14,2	31	19	19	9/16	3/8
50.46.08.06	42,9	14,2	32	19	22	3/4	3/8
50.46.08.08	42,9	14,2	32	22	22	3/4	1/2
50.46.10.06	46,5	14,2	33,8	22	27	7/8	3/8
50.46.10.08	51,3	19	38,6	22	27	7/8	1/2
50.46.12.08	54,7	19	40,2	27	32	1.1/16	1/2

Ref.	A	B	C	H1	H2	ØR1	ØR2
50.46.12.12	54,7	19	40,2	27	32	1.1/16	3/4
50.46.16.12	59,1	19	43,7	32	38	1.5/16	3/4
50.46.16.16	64	23,9	48,6	36	38	1.5/16	1
50.46.20.20	69,1	24,6	53	46	50	1.5/8	1.1/4
50.46.24.24						1.7/8	1.1/2

50.47

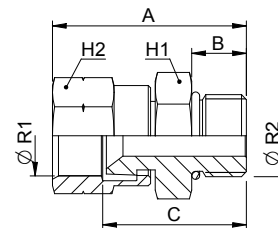
ADAPTADOR TL JIC-MF BSPT (GAS CÓNICO)
MALE STUD ADAPTOR BSPT (B.S.P. TAPERED) ROTARY
NUT JIC
ADAPTATEUR MÂLE BSPT (GAS CONIQUE) ECROU
PIVOTANT JIC
EINSCHRAUBADAPTER BSPT
(WITHWORTH-ROHRGEWINDE KEGELIG) DREHMUTTERN
JIC
ADATTATORE MASCHIO BSPT (GAS CONICO) DADO
GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
50.47.04.02				16	16	7/16	1/8
50.47.04.04	38,6	14,2	29,7	16	16	7/16	1/4
50.47.05.04	39,5	14,2	29,7	14	16	1/2	1/4
50.47.06.04	40,4	14,2	30,7	14	19	9/16	1/4
50.47.06.06	40,7	14,2	31	19	19	9/16	3/8
50.47.08.04				19	22	3/4	1/4
50.47.08.06	42,9	14,2	32	19	22	3/4	3/8
50.47.08.08	42,9	14,2	32	22	22	3/4	1/2
50.47.10.06	46,5	14,2	33,8	22	27	7/8	3/8
50.47.10.08	51,3	19	38,6	22	27	7/8	1/2
50.47.12.08	54,7	19	40,2	27	32	1.1/16	1/2
50.47.12.12	54,7	19	40,2	27	32	1.1/16	3/4
50.47.16.12	59,1	19	43,7	32	38	1.5/16	3/4
50.47.16.16	64	23,9	48,6	36	38	1.5/16	1
50.47.20.20	69,1	24,6	53	46	50	1.5/8	1.1/4
50.47.24.24						1.7/8	1.1/2

50.48

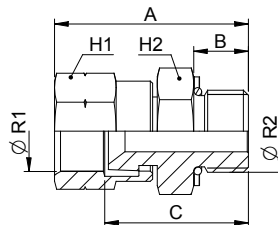
ADAPTADOR TL JIC-MF MÉTRICO ISO 6149
MALE STUD ADAPTOR METRIC PARALLEL ISO 6149
ROTARY NUT JIC
ADAPTATEUR MÂLE METRIQUE CILINDRIQUE ISO 6149
ECROU PIVOTANT JIC
EINSCHRAUBADAPTER METRISCH ZYLINDRISCH ISO 6149
DREHMUTTERN JIC
ADATTATORE MASCHIO METRICO CILINDRICO ISO 6149
DADO GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
50.48.04.02	33,4	9	24,5	16	16	7/16	10x1
50.48.05.03	35,3	10	25,5	19	16	1/2	12x1,5
50.48.06.04	36,1	10	26,4	19	19	9/16	14x1,5
50.48.08.05	41,9	11,5	31	22	22	3/4	16x1,5
50.48.08.06	48,5	12,5	32,1	22	22	3/4	18x1,5
50.48.08.08	45,5	15	34,5	27	22	3/4	22x1,5
50.48.10.08	48,5	15	35,5	27	27	7/8	22x1,5
50.48.12.12	53,4	17	39	32	32	1.1/16	26x1,5
50.48.12.14	52,5	17	38,5	32	32	1.1/16	27x2
50.48.16.16	57,5	17	42,1	41	38	1.5/16	33x2

51.48

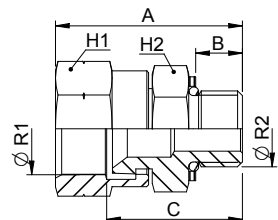
ADAPTADOR TL JIC-MF MÉTRICO DIN 3852
 MALE STUD ADAPTOR METRIC PARALLEL DIN 3852
 ROTARY NUT JIC
 ADAPTATEUR MÂLE METRIQUE CILINDRIQUE DIN 3852
 ECROU PIVOTANT JIC
 EINSCHRAUBADAPTER METRISCH ZYLINDRISCH DIN 3852
 DREHMUTTERN JIC
 ADATTATORE MASCHIO METRICO CILINDRICO DIN 3852
 DADO GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
51.48.04.02	33,4	8	24,5	16	16	7/16	10x1
51.48.05.03	35,3	8,7	25,5	19	16	1/2	12x1,5
51.48.06.04	36,1	8,7	26,4	19	19	9/16	14x1,5
51.48.08.05	41,9	10	31	22	22	3/4	16x1,5
51.48.08.06	48,5	11	32,1	22	22	3/4	18x1,5
51.48.08.08	51,5	14	34	22	22	3/4	22x1,5
51.48.10.08	53,4	12,7	35,8	27	27	7/8	22x1,5
51.48.12.12	53,4	15	39	32	32	1.1/16	26x1,5
51.48.12.14	52,5	17	38,5	32	32	1.1/16	27x2
51.48.16.16	57,5	15	42,1	41	38	1.5/16	33x2

50.49

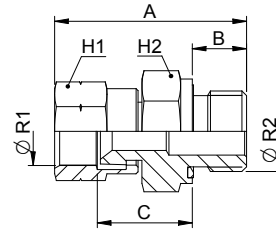
ADAPTADOR TL JIC-MF GAS
 MALE STUD ADAPTOR BSPP (B.S.P. PARALLEL) ROTARY
 NUT JIC
 ADAPTATEUR MÂLE BSPP (GAS CILINDRIQUE) ECROU
 PIVOTANT JIC
 EINSCHRAUBADAPTER BSPP (B.S.P. ZYLINDRISCH)
 DREHMUTTERN JIC
 ADATTATORE MASCHIO BSPP (GAS CILINDRICO) DADO
 GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
50.49.04.02	32,1	6,3	16,9	16	16	7/16	1/8
50.49.04.04	35,3	9,5	16,9	16	19	7/16	1/4
50.49.05.04	36,3	9,5	17	16	19	1/2	1/4
50.49.05.06	36,3	9,5	17	16	22	1/2	3/8
50.49.06.04	37,2	9,5	18	19	19	9/16	1/4
50.49.06.06	38,2	9,5	19	19	22	9/16	3/8
50.49.06.08	41,7	13	19	30	30	9/16	1/2
50.49.08.04	40,9	9,5	20,5	22	19	3/4	1/4
50.49.08.06	40,9	9,5	20,5	22	22	3/4	3/8
50.49.08.08	44,4	13	20,5	22	30	3/4	1/2
50.49.10.06	30,5	9,5	23,2	27	22	7/8	3/8
50.49.10.08	48,9	13	23,2	27	30	7/8	1/2
50.49.10.12	48,9	13	23,2	27	36	7/8	3/4
50.49.12.08	51,5	13	24	27	30	1.1/16	1/2
50.49.12.12	51,5	13	24	32	36	1.1/16	3/4
50.49.16.12	56,4	13	28	38	36	1.5/16	3/4
50.49.16.16	59,4	16	28	38	46	1.5/16	1
50.49.20.20	64,6	16	32,5	50	50	1.5/8	1.1/4
50.49.24.20	70,2	16	35	60	50	1.7/8	1.1/4
50.49.24.24	70,2	16	35	60	60	1.7/8	1.1/2

50.49 ED

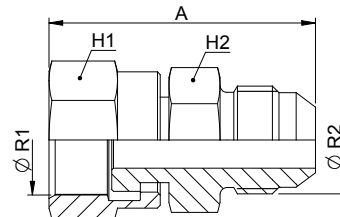
ADAPTADOR TL JIC-MF GAS ED
 MALE STUD ADAPTOR BSPP (B.S.P. PARALLEL) ED
 ROTARY NUT JIC
 ADAPTATEUR MÂLE BSPP (GAS CYLINDRIQUE) ED ECROU
 PIVOTANT JIC
 EINSCHRAUBADAPTER (B.S.P. ZYLINDRISCHE) ED
 DREHMUTTERN JIC
 ADATTATORE MASCHIO BSPP (GAS CILINDRICO) ED DADO
 GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
50.49.04.02 ED	34	8	16.9	16	14	7/16	1/8
50.49.04.04 ED	37.7	12	16.9	16	19	7/16	1/4
50.49.04.06 ED	39.5	12	18.2	16	22	7/16	3/8
50.49.05.04 ED	39.2	12	17	16	19	1/2	1/4
50.49.05.06 ED	41	12	19	16	22	1/2	3/8
50.49.06.04 ED	40	12	18	19	19	9/16	1/2
50.49.06.06 ED	41.5	12	19	19	22	9/16	3/8
50.49.06.08 ED	43	14	19	19	27	9/16	1/2
50.49.08.04 ED	43.5	12	20.5	22	19	3/4	1/4
50.49.08.06 ED	44.2	12	20.5	22	22	3/4	3/8
50.49.08.08 ED	49.5	14	20.5	22	30	3/4	1/2
50.49.08.12 ED	53.2	16	20.5	22	32	3/4	3/4
50.49.10.06 ED	48	12	23.2	27	22	7/8	3/8
50.49.10.08 ED	52.5	14	23.2	27	27	7/8	1/2
50.49.10.12 ED	54.8	16	24.6	27	32	7/8	3/4
50.49.12.08 ED	53.5	14	24	27	27	1.1/16	1/2
50.49.12.12 ED	55.8	16	24	32	32	1.1/16	3/4
50.49.12.16 ED	58.2	18	24.6	38	41	1.1/16	1
50.49.16.12 ED	60.7	16	28	38	36	1.5/16	3/4
50.49.16.16 ED	61.7	18	28	38	41	1.5/16	1
50.49.16.20 ED	66.5	20	31.3	38	50	1.5/16	1.1/4
50.49.20.16 ED	64	18	29.3	50	41	1.5/8	1
50.49.20.20 ED	66	20	32.5	50	50	1.5/8	1.1/4
50.49.24.20 ED	68,5	16	32.5	55	55	1.7/8	1.1/4
50.49.24.24 ED	76	22	35	55	55	1.7/8	1.1/2
50.49.32.32 ED	83.7	25	33.5	75	70	2.1/2	2

50.50

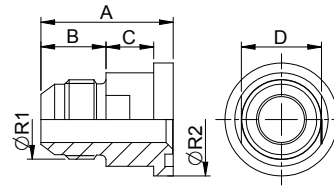
ADAPTADOR TL ORFS-MF JIC 37°
 MALE STUD ADAPTOR JIC 37°-ROTARY NUT ORFS
 ADAPTATEUR MÂLE JIC 37°-ECROU PIVOTANT ORFS
 EINSCHRAUBADAPTER JIC 37°-DREHMUTTERN ORFS
 ADATTATORE MASCHIO JIC 37°-DADO GIREVOLE ORFS



Ref.	A	H1	H2	ØR1	ØR2
50.50.04.04	36	18	14	9/16	7/16
50.50.06.06	38	22	19	11/16	9/16
50.50.08.08	46,2	26	22	13/16	3/4
50.50.10.10	52	30	26	1	7/8
50.50.12.12	57,4	36	32	1.3/16	1.1/16
50.50.16.16	62	42	38	1.7/16	1.5/16

50.51

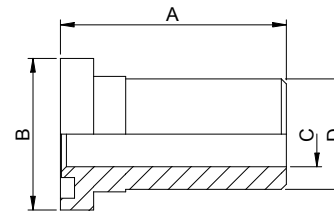
ADAPTADOR BRIDA MF JIC
 FLANGE ADAPTOR
 ADAPTATEUR BRIDE
 FLANSCHADAPTER
 ADATTATORE FLANGIA



Ref.	A	B	C	D	ØR1	ØR2
50.51.08.08	37,3	16,7	14	21	30,2	3/4
50.51.12.12	44,6	21,9	16,1	27	38,1	1.1/16
50.51.16.12	45,9	21,9	16	34	44,5	1.1/16
50.51.16.16	47,1	23,1	16	34	44,5	1.5/16
50.51.20.16	49	23,1	17,9	36	50,8	1.5/16
50.51.20.20	50,2	24,3	17,9	38	50,8	1.5/8
50.51.24.24	53,5	27,5	18	45	60,3	1.7/8

50.59.41

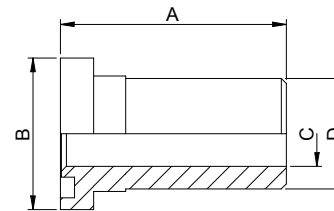
PLATINA SOLDABLE 3000 PSI
 FLANGED HEAD BW SAE 3000
 COLLETS BW SAE 3000
 SAE 3000 STUTZEN



Ref.	A	B	C	D
50.59.41.08	45	30.2	13	22
50.59.41.12	50	38.1	19	28
50.59.41.16	55	44.5	25	35
50.59.41.20	60	50.8	32	43
50.59.41.24	65	60.4	38	50
50.59.41.32	70	71.4	47	62

50.60.41

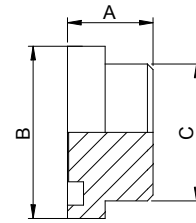
PLATINA SOLDABLE 6000 PSI
 FLANGED HEAD BW SAE 6000
 COLLETS BW SAE 6000
 SAE 6000 STUTZEN



Ref.	A	B	C	D
50.60.41.08	45	31.8	13	22
50.60.41.12	50	41.3	18	28
50.60.41.16	55	47.6	22	35
50.60.41.20	60	54	29	44
50.60.41.24	65	63.5	35	51
50.60.41.32	70	79.4	43	65

50.59.45

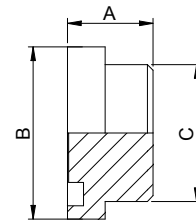
OBTURADOR PLATINA 3000 PSI
PLUG FLANGE SAE 3000
OBTURATEUR SAE 3000
SAE 3000 BLINDFLANSCH



Ref.	A	B	C
50.59.45.08	15	30.2	24
50.59.45.12	16	38.1	31.5
50.59.45.16	18	44.5	38
50.59.45.20	18	50.8	43
50.59.45.24	18	60.4	50
50.59.45.32	18	71.4	62

50.60.45

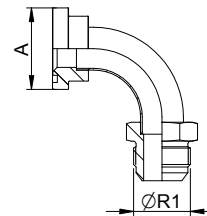
OBTURADOR PLATINA 6000 PSI
PLUG SAE 6000
OBTURATEUR SAE 6000
SAE 6000 BLINDFLANSCH



Ref.	A	B	C
50.60.45.08	19	31,8	24
50.60.45.12	22	41,3	32
50.60.45.16	26	47,6	38
50.60.45.20	31	54	44
50.60.45.24	34	63,5	51
50.60.45.32	41	79,4	67

50.71

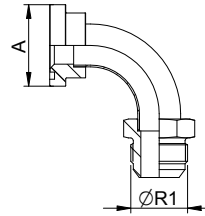
CODO 90° PLATINA 3000 PSI-MF JIC
90° FLANGE 3000 PSI-SAE MALE



Ref.	A	ØR1
50.71.16.16	44,5	1.5/16
50.71.20.16	50,8	1.5/16
50.71.20.20	50,8	1.5/8

50.72

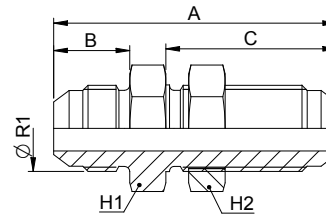
**CODO 90° PLATINA 6000 PSI-MF JIC
90° FLANGE 6000 PSI-SAE MALE**



Ref.	A	ØR1
50.72.16.16	47,6	1.5/16
50.72.20.16	54	1.5/16
50.72.20.20	54	1.5/8

50.53

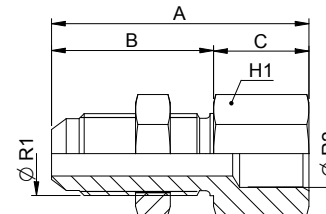
**PASATABIQUES MACHO JIC
BULKHEAD CONNECTION
UNION TRAVERSÉE DROITE
GERADE SCHOTTVERSCHRAUBUNG
UNIONE PASSAPARATIA DIRITTA**



Ref.	A	B	C	H1	H2	ØR1
50.53.00.04	52,6	14	31,3	17	17	7/16
50.53.00.05	52,6	14	31,3	19	19	1/2
50.53.00.06	55,4	14,1	33,3	22	22	9/16
50.53.00.08	62	16,7	37,4	24	24	3/4
50.53.00.10	69,6	19,3	40,9	30	30	7/8
50.53.00.12	78,5	21,9	45,2	36	36	1.1/16
50.53.00.16	79,8	23,1	45,2	41	41	1.5/16
50.53.00.20	84,1	24,3	46,5	50	50	1.5/8
50.53.00.24	89,4	27,5	46,8	55	55	1.7/8

50.55

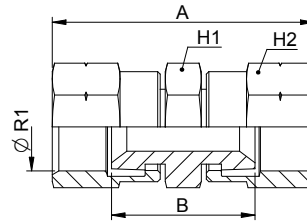
**PASATABIQUES MF JIC-HF GAS
BULKHEAD CONNECTION MALE-FEMALE BSPP (B.S.P. PARALLEL)
UNION TRAVERSÉE MÂLE-FEMALE BSPP (GAS CYLINDRIQUE)
EIN-AUFSCRAUB GERADE SCHOTTADAPTER SAE/BSPP (B.S.P. ZYLINDRISCHE)
UNIONE PASSAPARATIA MASCHIO-FEMMINA BSPP (GAS CILINDRICO)**



Ref.	A	B	C	H1	ØR1	ØR2
50.55.06.04	52,3	33,3	19	22	9/16	1/4
50.55.08.06	59,4	37,4	22	24	3/4	3/8
50.55.10.08	67,6	40,9	26,7	30	7/8	1/2

50.57

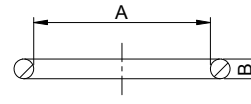
ADAPTADOR DOBLE TUERCA SAE
 FEMALE ADAPTOR
 ADAPTATEUR FEMELLE
 AUFSCHRAUBADAPTER
 ADATTATORE FEMMINA



Ref.	A	B	H1	H2	ØR1
50.57.00.04	41,4	23,6	14	16	7/16
50.57.00.05	43,6	24	16	16	1/2
50.57.00.06	45	25,6	17	19	9/16
50.57.00.07	49	25,6	20	20	5/8
50.57.00.08	52,2	30,4	22	22	3/4
50.57.00.10	59,7	34,3	27	27	7/8
50.57.00.12	63,3	34,3	32	32	1.1/16
50.57.00.16	71,7	40,9	38	38	1.5/16
50.57.00.20	78,4	46,2	46	50	1.5/8
50.57.00.24	85	46,6	50	60	1.7/8

50.63

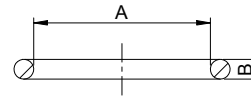
JUNTA TÓRICA SAE
 O-RING SAE
 JOINT SAE
 DICHTUNG SAE
 GUARNIZIONE SAE



Ref.	A	B
50.63.00.04	8.92	1.83
50.63.00.05	10.52	1.83
50.63.00.06	11.89	1.98
50.63.00.08	16.36	2.21
50.63.00.10	19.18	2.46
50.63.00.12	23.47	2.95
50.63.00.16	29.74	2.95
50.63.00.20	37.47	3
50.63.00.24	43.69	3

50.63 M

JUNTA TÓRICA MÉTRICA
 O-RING METRIC
 JOINT METRIC
 DICHTUNG METRISCH
 GUARNIZIONE METRICO



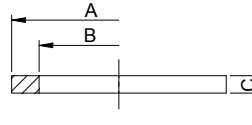
Ref.	A	B
50.63.01.08	6.07	1.625
50.63.01.10	7.645	1.625
50.63.01.12	9.24	1.778
50.63.01.14	10.82	1.778
50.63.01.16	13.462	2.08
50.63.01.18	15.595	1.778
50.63.01.20	17.17	1.778
50.63.01.22	19.177	2.464
50.63.01.26	23.52	1.778

Continua >

Ref.	A	B
50.63.01.27	23.469	3.302
50.63.01.33	29	2.997
50.63.01.42		

50.61

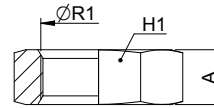
ARANDELA METÁLICA MÉTRICA METALLIC O-RING METRIC



Ref.	A	B	C
50.61.01.08	12.3	9.22	1
50.61.01.10	14.8	11.25	1
50.61.01.12	17.78	12.85	1.3
50.61.01.14	19.85	14.86	1.3
50.61.01.16	21.84	17.45	1.52
50.61.01.18	23.8	18.84	1.3
50.61.01.20	25.78	20.85	1.3
50.61.01.22	28.7	24.155	1.8
50.61.01.33	38.94	35.38	2.33

50.65

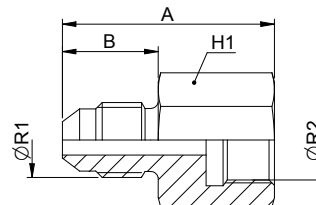
TUERCA PASATABIQUES BULKHEAD NUT CONTRE-ÉCROU GEGENMUTTERN CONTRODADO



Ref.	A	H1	ØR1
50.65.00.04	6	17	7/16
50.65.00.05	7	19	1/2
50.65.00.06	7	22	9/16
50.65.00.08	8	24	3/4
50.65.00.10	10	30	4/8
50.65.00.12	12	36	1.1/16
50.65.00.16	12	41	1.5/16
50.65.00.20	11	50	1.5/8
50.65.00.24	11	55	1.7/8

50.90

RACOR PARA MANÓMETRO PRESSURE GAUGE CONNECTOR ADAPTATEUR POUR MANOMÈTRE ADAPTER FÜR MANOMETER RACCORDA PER MANOMETRO



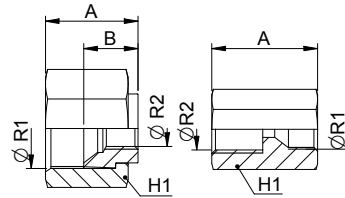
Ref.	A	B	H1	ØR1	ØR2
50.90.04.04	31	14	17	7/16	1/4
50.90.04.08	41	14	27	7/16	1/2
50.90.05.04	31	14	17	1/2	1/4

Continua >

Ref.	A	B	H1	ØR1	ØR2
50.90.05.08	41	14	27	1/2	1/2
50.90.06.04	31,1	14,1	17	9/16	1/4
50.90.06.08	41,1	14,1	27	9/16	1/2
50.90.08.04	31	16,7	19	3/4	1/4
50.90.08.08	43,7	16,7	27	3/4	1/2
50.90.12.12	45	21,9	32	1.1/16	3/4

50.91

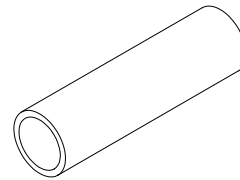
RACOR PARA TOMA PRESIÓN
PRESSURE GAUGE CONNECTOR
ADAPTATEUR POUR PRISE DE PRESION
ADAPTER FÜR PRÜFANSCHLUß
RACCORDO PER PRESIA/PRESIONE



Ref.	A	B	H1	ØR1	ØR2
50.91.04.04	29		19	7/16	1/4
50.91.05.04	29		19	1/2	1/4
50.91.06.04	29		19	9/16	1/4
50.91.08.04	32		22	3/4	1/4
50.91.10.04	32		27	7/8	1/4
50.91.10.12	32		32	7/8	3/4
50.91.12.04	32	17	32	1.1/16	1/4
50.91.16.04	30,5	16	41	1.5/16	1/4
50.91.20.04	33,8	19	50	1.5/8	1/4
50.91.24.04	38,7	24	60	1.7/8	1/4

51.00.00

TUBO ACERO GAS Y MÉTRICO
STEEL TUBE BSPP PARALLEL AND METRIC



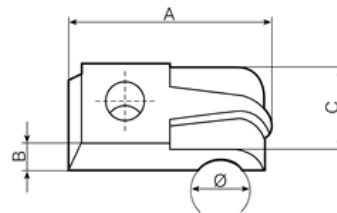
Ref.	D ext.	D int.
51.00.00.04	6,35	4,57
51.00.00.05	7,93	5,47
51.00.00.06	9,52	7,04
51.00.00.08	12,70	9,40
51.00.00.10	15,87	11,65
51.00.00.12	19,05	14,23
51.00.00.16	25,40	19,30
51.00.00.20	31,75	25,65
51.00.00.24	38,10	32,00
51.00.04.10	4	2
51.00.05.10	5	3
51.00.06.10	6	4
51.00.06.15	6	3
51.00.08.10	8	6
51.00.08.15	8	5
51.00.08.20	8	4
51.00.10.10	10	8
51.00.10.15	10	7
51.00.10.20	10	6
51.00.12.10	12	10
51.00.12.15	12	9

Continua >

Ref.	D ext.	D int.
51.00.12.20	12	8
51.00.14.15	14	11
51.00.14.20	14	10
51.00.14.25	14	9
51.00.15.15	15	12
51.00.15.20	15	11
51.00.16.15	16	13
51.00.16.20	16	12
51.00.16.25	16	11
51.00.18.15	18	15
51.00.18.20	18	14
51.00.20.20	20	16
51.00.20.25	20	15
51.00.20.30	20	14
51.00.22.15	22	19
51.00.22.20	22	18
51.00.22.25	22	17
51.00.25.20	25	21
51.00.25.25	25	20
51.00.25.30	25	19
51.00.25.35	25	18
51.00.28.15	28	25
51.00.28.20	28	24
51.00.28.25	28	23
51.00.28.30	28	22
51.00.30.25	30	25
51.00.30.30	30	24
51.00.30.40	30	22
51.00.30.50	30	20
51.00.32.30	32	26
51.00.35.25	35	30
51.00.35.30	35	29
51.00.35.40	35	27
51.00.38.30	38	32
51.00.38.40	38	30
51.00.38.50	38	28
51.00.42.30	42	36
51.00.42.40	42	34
51.00.42.50	42	32

51.01

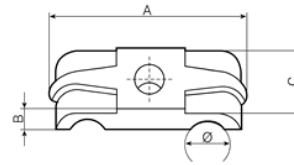
ABRAZADERA SIMPLE
BRACKETS FOR TUBES BLOCKING
COLLIERS DE SERRAGE DES TUBES
BEFESFIGUGS SCHELLEN
COLLARI FISSAGGIO TUBI



Ref.	A	B	C	Ø
51.01.00.04	45	10	23	6,35
51.01.00.05	45	10	23	7,93
51.01.00.06	45	10	23	9,52
51.01.00.08	50	12	23	12,70
51.01.00.10	50	15	23	15,87
51.01.00.12	55	16	23	19,05
51.01.00.16	65	21	25	25,4

51.03

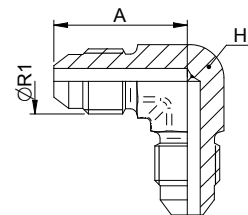
ABRAZADERA DOBLE
DOUBLE BRACKETS FOR TUBES BLOCKING
COLLIERS DE SERRAGE DES TUBES DOUBLES
DEPPEL BEFESFIGUGS SCHELLEN
COLLARI FISSAGGIO TUBI DOPPI



Ref.	A	B	C	Ø
51.03.00.04	55	10	23	6,35
51.03.00.05	55	10	23	7,93
51.03.00.06	55	10	23	9,52
51.03.00.08	62	12	23	12,70
51.03.00.10	75	15	23	15,87
51.03.00.12	82	16	23	19,05
51.03.00.16	95	21	25	25,4

54.01

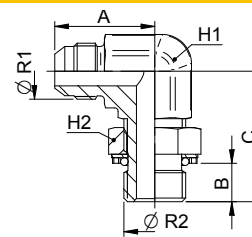
CODO 90° TUBO-TUBO MF JIC 37°
ELBOW COUPLING 90°
UNION COUDE 90°
WINKELVERSCHRAUBUNG 90°
UNIONE GOMITO 90°



Ref.	A	H1	ØR1
54.01.00.04	22,5	11	7/16
54.01.00.05	24	13	1/2
54.01.00.06	27	14	9/16
54.01.00.08	32	19	3/4
54.01.00.10	37	22	7/8
54.01.00.12	42	27	1.1/16
54.01.00.16	46	33	1.5/16
54.01.00.20	52,5	41	1.5/8
54.01.00.24	59	48	1.7/8
54.01.00.32	77,5	65	2 1/2

54.05

CODO 90° ORIENTABLE SAE-GAS
90° ADJUSTABLE STUD ELBOW (B.S.P. PARALLEL)
COUDE MÂLE 90° BSPP (GAS CYLINDRIQUE)
WINKLEINSCHRAUBVERSCHRAUBUNG 90° BSPP (B.S.P. ZYLINDRISCH)
GOMITO MASCHIO 90° BSPP (GAS CILINDRICO)



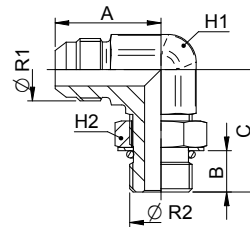
Ref.	A	B	C	H1	H2	ØR1	ØR2
54.05.04.02	22,5	6,3	26,5	11	14	7/16	1/8
54.05.04.04	27	9,5	32	14	1	7/16	1/4
54.05.04.06	29	9,5	37	19	22	7/16	3/8
54.05.05.02	25	6,3	26,5	14	14	1/2	1/8
54.05.05.04	27	9,5	33	14	19	1/2	1/4
54.05.05.06	29,5	9,5	37	19	22	1/2	3/8
54.05.06.02	27	6,3	28,6	14	14	9/16	1/8
54.05.06.04	27	9,5	33	14	19	9/16	1/4
54.05.06.06	29	9,5	37	19	22	9/16	3/8
54.05.06.08	32	13	44	22	27	9/16	1/2
54.05.06.12	35	13	49,5	27	36	9/16	3/4

Continua >

Ref.	A	B	C	H1	H2	ØR1	ØR2
54.05.08.04	32	9,5	37	19	19	3/4	1/4
54.05.08.06	32	9,5	37	19	22	3/4	3/8
54.05.08.08	33,7	13	44	22	27	3/4	1/2
54.05.08.12	37	13	49,5	27	36	3/4	3/4
54.05.10.06	37	9,5	41	22	22	7/8	3/8
54.05.10.08	37	13	44	22	27	7/8	1/2
54.05.10.12	37	13	49,5	27	36	7/8	3/4
54.05.12.08	42	13	48	27	27	1.1/16	1/2
54.05.12.12	42	13	49,5	27	36	1.1/16	3/4
54.05.12.16	46	16	54	33	41	1.1/16	1
54.05.16.12	46	13	52	33	36	1.5/16	3/4
54.05.16.16	46	16	54	33	41	1.5/16	1
54.05.16.20	52,5	16	57	41	50	1.5/16	1.1/4
54.05.20.16	52,5	16	59,5	41	41	1.5/8	1
54.05.20.20	52,5	16	57	41	50	1.5/8	1.1/4
54.05.24.20	59	16	63,5	48	55	1.7/8	1.1/4
54.05.24.24	59	16	63,5	48	55	1.7/8	1.1/2

54.06

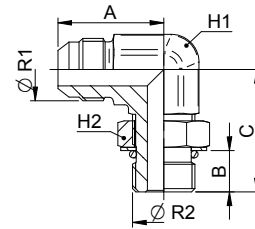
CODO 90° ORIENTABLE SAE
90° ADJUSTABLE STUD ELBOW UNF 2A
COUDE MÂLE 90°UNF 2A
WINKELEINSCHRAUBVERSCHRAUBUNG 90° UNF 2A
GOMITO MASCHIO 90° UNF 2A



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.06.04.04	22,5	9	26	11	14	7/16	7/16
54.06.04.05	24	9	28,5	13	13	7/16	1/2
54.06.04.06	27	10	32	14	17	7/16	9/16
54.06.05.05	24	9	28,5	13	16	1/2	1/2
54.06.06.04	27	9	31,5	11	14	9/16	7/16
54.06.06.06	27	10	32	14	17	9/16	9/16
54.06.06.08	29,8	11	37	19	22	9/16	3/4
54.06.08.06	32	10	36,8	14	17	3/4	9/16
54.06.08.08	32	11	37	19	22	3/4	3/4
54.06.08.10	36,4	11	43	22	27	3/4	7/8
54.06.10.08	37	11	41,5	22	22	7/8	3/4
54.06.10.10	37	12,5	43	22	27	7/8	7/8
54.06.10.12	41,5	15	49,5	27	32	7/8	1.1/16
54.06.12.08	42	11	42	27	22	1.1/16	3/4
54.06.12.10	42	15	49	27	27	1.1/16	7/8
54.06.12.12	42	15	49,5	27	32	1.1/16	1.1/16
54.06.12.14	45,5	15	51	33	35	1.1/16	1.3/16
54.06.12.16	45,5	15	52	33	38	1.1/16	1.5/16
54.06.16.12	46	15	52	33	32	1.5/16	1.1/16
54.06.16.16	46	15	52	33	38	1.5/16	1.5/16
54.06.16.20	51	15	57	41	50	1.5/16	1.5/8
54.06.20.16	52,5	15	57	41	38	1.5/8	1.5/16
54.06.20.20	52,5	15	57	41	50	1.5/8	1.5/8
54.06.20.24	59	15	60,5	48	55	1.5/8	1.7/8
54.06.24.20	59	15	60,5	48	50	1.7/8	1.5/8
54.06.24.24	59	15	60,5	48	55	1.7/8	1.7/8

54.07

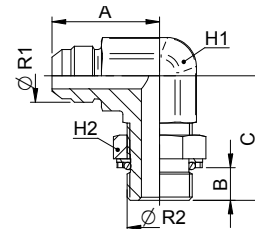
CODO 90° ORIENTABLE SAE-MÉTRICO ISO 6149
90° ADJUSTABLE STUD ELBOW METRIC-PARALLEL ISO 6149
COUDE MÂLE 90° CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 90° METRISCH ISO 6149
GOMITO MASCHIO 90° METRICO CILINDRICO ISO 6149



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.07.04.02	22,5	9	27	11	13	7/16	10x1
54.07.04.03	24	10	30,5	13	16	7/16	12x1,5
54.07.04.04	27	10	33,5	14	17	7/16	14x1,5
54.07.05.03	24	10	30,5	13	16	1/2	12x1,5
54.07.06.03	27	10	33	13	16	9/16	12x1,5
54.07.06.04	27	10	33,5	14	17	9/16	14x1,5
54.07.06.05	31	11,5	38	19	19	9/16	16x1,5
54.07.08.04	32	10	35,8	19	17	3/4	14x1,5
54.07.08.05	32	11,5	37,8	19	19	3/4	16x1,5
54.07.08.06	32	12	38,8	19	22	3/4	18x1,5
54.07.08.08	36,3	12	42,5	22	27	3/4	22x1,5
54.07.10.05	37	11,5	40	22	19	7/8	16x1,5
54.07.10.06	37	12	41	22	22	7/8	18x1,5
54.07.10.07	37	14	42	22	24	7/8	20x1,5
54.07.10.08	37	14	42,5	22	27	7/8	22x1,5
54.07.10.12	37	17	49,5	27	32	7/8	26x1,5
54.07.12.08	42	14	47	27	27	1.1/16	22x1,5
54.07.12.12	42	17	49,5	27	32	1.1/16	26x1,5
54.07.12.14	42	17	51	27	32	1.1/16	26x2
54.07.16.16	46	17	53	33	38	1.5/16	33x2
54.07.20.20	52,5	17,5	58	41	48	1.5/8	42x2

54.17

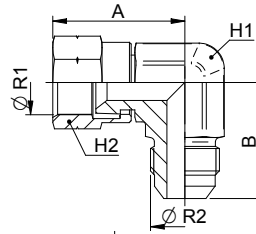
CODO 90° ORIENTABLE SAE-MÉTRICO DIN 3852
90° ADJUSTABLE STUD ELBOW METRIC-PARALLEL DIN 3852
COUDE MÂLE 90° CILINDRIQUE-METRIQUE DIN 3852
EINSTELLBARE WINKEL-EINSCHRAUB VESCHRAUBUNG METRISCH DIN 3852
GOMITO MASCHIO 90° METRICO CILINDRICO DIN 3852



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.17.04.02	22,5	7,5	27	11	13	7/16	10x1
54.17.04.03	24	7,5	30,5	13	16	7/16	12x1,5
54.17.04.04	27	8,5	33,5	14	17	7/16	14x1,5
54.17.05.03	24	7,5	30,5	13	16	1/2	12x1,5
54.17.06.03	27	10	33	13	16	9/16	12x1,5
54.17.06.04	27	8,5	33,5	14	17	9/16	14x1,5
54.17.08.04	32	8,5	38	19	17	3/4	14x1,5
54.17.08.05	32	8,5	38	19	19	3/4	16x1,5
54.17.08.06	32	9	38	19	22	3/4	18x1,5
54.17.08.08	36,3	10,5	42,5	22	27	3/4	22x1,5
54.17.10.05	37	8,5	41	22	19	7/8	16x1,5
54.17.10.06	37	9	41	22	22	7/8	18x1,5
54.17.10.07	37	9,5	42,5	22	27	7/8	20x1,5
54.17.10.08	37	10,5	42,5	22	27	7/8	22x1,5
54.17.10.12	37	12	51	27	32	7/8	26x1,5
54.17.12.08	42	10,5	44	27	27	1.1/16	22x1,5
54.17.12.12	42	10,5	44	27	27	1.1/16	26x1,5
54.17.12.14	42	13	51	27	32	1.1/16	27x2
54.17.16.16	46	13	53	33	38	1.5/16	33x2
54.17.20.20	52,5	13	58	41	48	1.5/8	42,2

54.09

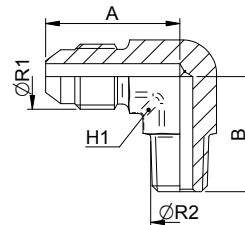
CODO 90° MF-TL JIC
90° SWIVEL ELBOW JIC
UNION COUDE 90° ECROU PIVOTANT JIC
WINKLEINSCHRAUBUNG 90° MIT DREHMUTTER JIC
UNIONE GOMITO 90° CON DADO GIREVOLE JIC



Ref.	A	B	H1	H2	ØR1	ØR2
54.09.00.04	25.4	22.6	11	16	7/16	7/16
54.09.00.05	26.9	24.1	13	16	1/2	1/2
54.09.00.06	31.8	26.9	14	19	9/16	9/16
54.09.00.08	35.1	31.8	19	22	3/4	3/4
54.09.00.10	41.1	36.8	22	27	7/8	7/8
54.09.00.12	44.4	42.2	27	32	1.1/16	1.1/16
54.09.00.16	50.8	46	33	38	1.5/16	1.5/16
54.09.00.20	58.7	52.3	41	50	1.5/8	1.5/8
54.09.00.24	65.8	59.2	48	60	1.7/8	1.7/8
54.09.00.32	82	77.7	66	75	2.1/2	2.1/2

54.11

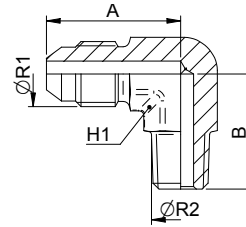
CODO 90° MACHO SAE-NPTF
ELBOW MALE COUPLING 90° NPTF
COUDE MÂLE 90° NPTF
WINKLEINSCHRAUBVERSCHRAUBUNG 90° NPTF
GOMITO MASCHIO 90° NPTF



Ref.	A	B	H1	ØR1	ØR2
54.11.04.02	22,6	19,4	11	7/16	1/8
54.11.04.04	26,9	27,7	14	7/16	1/4
54.11.04.06	29	31	19	7/16	3/8
54.11.05.02	24,1	19,8	13	1/2	1/8
54.11.05.04	26,9	27,7	14	1/2	1/4
54.11.06.02	26,9	22,8	14	9/16	1/8
54.11.06.04	26,9	27,7	14	9/16	1/4
54.11.06.06	29	31	19	9/16	3/8
54.11.06.08	31,2	37,3	22	9/16	1/2
54.11.06.12	35	40,4	27	9/16	3/4
54.11.08.04	31,8	31	19	3/4	1/4
54.11.08.06	31,8	31	19	3/4	3/8
54.11.08.08	33,7	37,3	22	3/4	1/2
54.11.08.12	36	40,4	27	3/4	3/4
54.11.10.06	36,8	33	22	7/8	3/8
54.11.10.08	36,8	37,3	22	7/8	1/2
54.11.10.12	38,9	40,4	27	7/8	3/4
54.11.12.08	42,2	40,4	27	1.1/16	1/2
54.11.12.12	42,2	40,4	27	1.1/16	3/4
54.11.12.16	45,5	46,1	33	1.1/16	1
54.11.16.12	46	45,2	33	1.5/16	3/4
54.11.16.16	46	46,1	33	1.5/16	1
54.11.16.20	51	60,5	41	1.5/16	1.1/4
54.11.20.16	52,3	59,6	41	1.5/8	1
54.11.20.20	52,3	60,5	41	1.5/8	1.1/4
54.11.24.24	59,2	57,3	48	1.7/8	1.1/2
54.11.32.32	77,7	71,2	65	2.1/2	2

54.12

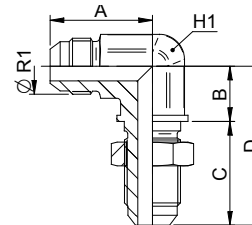
CODO 90° MACHO SAE-BSPT (GAS CÓNICO)
ELBOW MALE COUPLING 90° BSPT
COUDE MÂLE 90° BSPT (GAZ CONIQUE)
WINKLEINSCHRAUBVERSCHRAUBUNG BSPT
(WHITWORTH ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 90° BSPT (GAS CONICO)



Ref.	B1	B2	D	ØR1	ØR2
54.12.04.02	22,6	19,4	11	7/16	1/8
54.12.04.04	26,9	27,7	14	7/16	1/4
54.12.04.06	29	31	19	7/16	3/8
54.12.05.02	24,1	19,8	13	1/2	1/8
54.12.05.04	26,9	27,7	14	1/2	1/4
54.12.05.06	29	31	19	1/2	3/8
54.12.06.04	26,9	27,7	14	9/16	1/4
54.12.06.06	29	31	19	9/16	3/8
54.12.06.08	31,2	37,3	22	9/16	1/2
54.12.08.04	31,8	31	19	3/4	1/4
54.12.08.06	31,8	31	19	3/4	3/8
54.12.08.08	33,7	37,3	22	3/4	1/2
54.12.10.06	36,8	33	22	7/8	3/8
54.12.10.08	36,8	37,3	22	7/8	1/2
54.12.10.12	38,9	40,4	27	7/8	3/4
54.12.12.08	42,2	40,4	27	1.1/16	1/2
54.12.12.12	42,2	40,4	27	1.1/16	3/4
54.12.12.16	44	46,1	33	1.1/16	1
54.12.16.12	46	41,2	33	1.5/16	3/4
54.12.16.16	46	46,1	33	1.5/16	1
54.12.20.16	52,3	59,6	41	1.5/8	1
54.12.20.20	52,3	60,5	41	1.5/8	1,1/4
54.12.24.24	59,2	57,3	48	1.7/8	1.1/2
54.12.32.32	77,7	71,2	66	2 1/2	2

54.13

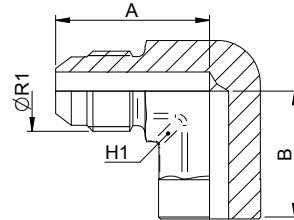
CODO 90° PASATABIQUES JIC
BULKHEAD ELBOW 90°
UNION TRAVERSÉE COUDE 90°
WINKELSCHOTTVERSCHRAUBUNG 90°
UNIONE PASSAPARATIA GOMITO 90°



Ref.	A	B	C	D	H1	ØR1
54.13.00.04	24,6	15,1	28,3	43,4	14	7/16
54.13.00.05	26,2	15,2	28,3	43,5	14	1/2
54.13.00.06	27,7	15,9	30,1	46	14	9/16
54.13.00.08	34,5	18,6	35	53,6	19	3/4
54.13.00.10	39,6	22,2	38,5	60,7	22	7/8
54.13.00.12	45,2	25	42,8	67,8	27	1.1/16
54.13.00.16	49,3	28,3	42,8	71,1	33	1.5/16
54.13.00.20	55,1	35,1	44,1	79,2	41	1.5/8

54.15

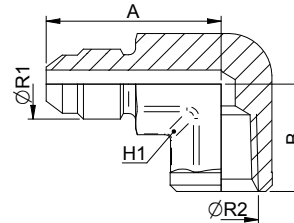
CODO 90° SOLDABLE
WELDING ELBOW 90°
COUDE 90° À SOUDER
AINSCHWEISSWINKEL 90°
GOMITO 90° SALDABILE



Ref.	A	B	H1	ØR1
54.15.00.05	24,1	20	14	1/2
54.15.00.06	26,9	20	14	9/16
54.15.00.08	31,8	22	19	3/4
54.15.00.10	36,8	26	22	5/8
54.15.00.12	42,2	29	27	1.1/16

54.16

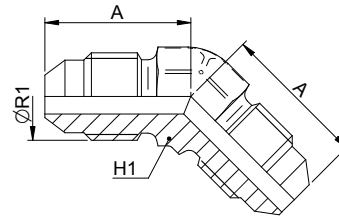
CODO 90° MF JIC 37°-HF NPTF
ELBOW 90° MALE JIC 37°-FEMALE NPTF
UNION COUDE 90° MÂLE JIC 37°-FEMELLE NPTF
WINKELVERSCHRAUBUNG 90° MUTTERSETTING NPTF
UNIONE GOMITO 90° MASCHIO JIC 37°-FEMMINA NPTF



Ref.	A	B	H1	ØR1	ØR2
54.16.04.02	27,4	16,8	14	7/16	1/8
54.16.04.04	30,9	22,4	19	7/16	1/4
54.16.05.04	30,9	22,4	19	1/2	1/4
54.16.06.04	31,2	22,4	19	9/16	1/4
54.16.06.06	31,2	25,9	22	9/16	3/8
54.16.08.06	35,3	25,9	22	3/4	3/8
54.16.08.08	36,1	31,2	27	3/4	1/2
54.16.10.08	40,3	31,2	27	7/8	1/2
54.16.10.12	40,3	31,2	33	7/8	3/4
54.16.12.08	42,9	31,2	27	1.1/16	1/2
54.16.12.12	45,5	34,5	33	1.1/16	3/4
54.16.14.12	47	34,5	33	1.3/16	3/4
54.16.16.16	55,1	41,1	41	1.5/16	1
54.16.20.20	59,2	43,2	48	1.5/8	1.1/4
54.16.24.24	71,5	52,8	66	1.7/8	1.1/2

54.41

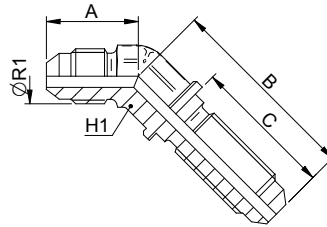
CODO 45° TUBO-TUBO MF JIC 37°
ELBOW COUPLING 45°
UNION COUDE 45°
WINKEL VERSCHRAUBUNGEN 45°
UNIONE GOMITO 45°



Ref.	A	H1	ØR1
54.41.00.04	18,3	11	7/16
54.41.00.05	19,6	13	1/2
54.41.00.06	21,1	14	9/16
54.41.00.08	25,4	19	3/4
54.41.00.10	28,2	22	7/8
54.41.00.12	32,5	27	1.1/16
54.41.00.16	37,3	33	1.5/16
54.41.00.20	40,4	41	1.5/8
54.41.00.24			1.7/8

54.42

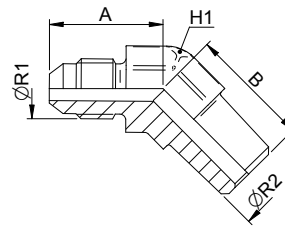
CODO 45° PASATABIQUES JIC
BULKHEAD ELBOW 45°
UNION TRAVERSÉE COUDE 45°
WINKEL-SCHOTTVERSCHRAUBUNGEN 90°
UNIONE PASSAPARATIA GOMITO 45°



Ref.	A	B	C	H1	ØR1
54.42.00.04	18,3	38,9	28,3	11	7/16
54.42.00.05	19,6	40,6	28,3	14	1/2
54.42.00.06	21,1	42,4	30,1	14	9/16
54.42.00.08	24,9	49,3	35	19	3/4
54.42.00.10	28,2	55,1	38,5	22	7/8
54.42.00.12	32,5	62	42,8	27	1.1/16
54.42.00.16	37,3	65	42,8	33	1.5/16

54.43

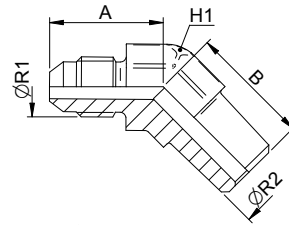
CODO 45° MACHO SAE-NPTF
ELBOW MALE COUPLING 45° NPTF
COUDE MÂLE 45° NPTF
WINKELEINSCHRAUBVERSCHRAUBUNG 45° NPTF
GOMITO MASCHIO 45° NPTF



Ref.	A	B	H1	ØR1	ØR2
54.43.04.02	18,3	14	11	7/16	1/8
54.43.04.04	21,1	21,8	14	7/16	1/4
54.43.05.02	21,1	16,3	13	1/2	1/8
54.43.05.04	21,1	21,8	14	1/2	1/4
54.43.06.04	21,1	21,8	14	9/16	1/4
54.43.06.06	22	24,1	19	9/16	3/8
54.43.06.08	22,3	29,7	22	9/16	1/2
54.43.08.04	24,9	24,1	19	3/4	1/4
54.43.08.06	24,9	24,1	19	3/4	3/8
54.43.08.08	25,1	29,7	22	3/4	1/2
54.43.08.12	27	30,5	27	3/4	3/4
54.43.10.06	28,2	24,8	22	7/8	3/8
54.43.10.08	28,2	29,7	22	7/8	1/2
54.43.10.12	31,3	30,5	27	7/8	3/4
54.43.12.08	32,5	29,7	27	1.1/16	1/2
54.43.12.12	32,5	30,5	27	1.1/16	3/4
54.43.16.12	37,3	35	33	1.5/16	3/4
54.43.16.16	37,3	37,6	33	1.5/16	1
54.43.20.20	42,4	40,4	41	1.5/8	1.1/4
54.43.24.24	45	52	48	1.7/8	1.1/2

54.44

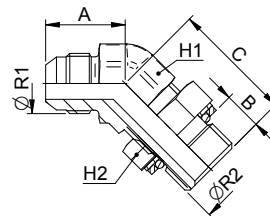
CODO 45° MACHO SAE-BSPT (GAS CÓNICO)
ELBOW MALE COUPLING 45° BSPT (B.S.P. TAPERED)
COUDE MÂLE 45° BSPT (GAZ CONIQUE)
WINKLEINSCHRAUBVERSCHRAUBUNG 45° BSPT
(WHITWORTH- ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 90° BSPT (GAS CONICO)



Ref.	A	B	H1	ØR1	ØR2
54.44.04.02	18,3	16,3	11	7/16	1/8
54.44.04.04	21	22	14	7/16	1/4
54.44.05.04	21	22	14	1/2	1/4
54.44.06.04	21	22	14	9/16	1/4
54.44.06.06	22	24,1	19	9/16	3/8
54.44.08.06	24,9	24	19	3/4	3/8
54.44.08.08	25,1	29,7	22	3/4	1/2
54.44.10.08	28,2	29,7	22	7/8	1/2
54.44.12.12	32,5	30,5	27	1.1/16	3/4
54.44.16.16	37,3	37,6	33	1.5/16	1

54.45

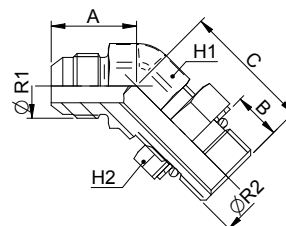
CODO 45° ORIENTABLE SAE-GAS
45° ADJUSTABLE STUD ELBOW BSPP (B.S.P. PARALLEL)
COUDE MÂLE 45° BSPP (GAS CYLINDRIQUE)
EINSTELLBARE WINKEL-EINSCHRAUB VERSCHRAUBUNG
45° BSPP (B.S.P. ZYLINDRISCHE)
GOMITO MASCHIO 45° BSPP (GAS CILINDRICO)



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.45.04.02	18,3	6,3	26,5	11	14	7/16	1/8
54.45.04.04	21,1	9,5	29	14	19	7/16	1/4
54.45.05.04	21,1	9,5	29	14	19	1/2	1/4
54.45.06.04	21,1	9,5	29	14	19	9/16	1/4
54.45.06.06	22	9,5	33	19	22	9/16	3/8
54.45.08.06	24,9	9,5	33	19	22	3/4	3/8
54.45.08.08	26	13	38,5	22	27	3/4	1/2
54.45.10.06	28,2	9,5	37,5	22	22	7/8	3/8
54.45.10.08	28,2	13	38,5	22	27	7/8	1/2
54.45.10.12	30	13	42,3	27	36	7/8	3/4
54.45.12.08	32,5	13	38	27	36	1.1/16	1/2
54.45.12.12	32,5	13	44	27	36	1.1/16	3/4
54.45.16.16	37,3	16	47	33	41	1.5/16	1
54.45.16.20	37,3	16	45	33	50	1.5/16	1.1/4
54.45.20.20	40,4	16	48,5	41	50	1.5/8	1.1/4
54.45.24.24	45	19	58,2	41	55	1.7/8	1.1/2

54.46

CODO 45° SAE ORIENTABLE
45° ADJUSTABLE STUD ELBOW UNF 2A
COUDE MÂLE 45° UNF 2A
WINKLEINSCHRAUBVERSCHRAUBUNG 45° UNF 2A
GOMITO MASCHIO 45° UNF 2A



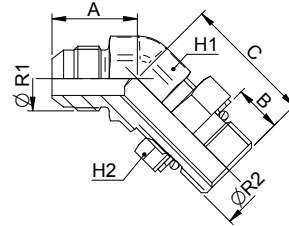
Ref.	A	B	C	H1	H2	ØR1	ØR2
54.46.04.04	18,3	9	26,7	11	14	7/16	7/16
54.46.05.05	19,6	9	26,7	13	16	1/2	1/2

Continua >

Ref.	A	B	C	H1	H2	ØR1	ØR2
54.46.06.06	21,1	10	29	14	17	9/16	9/16
54.46.06.08	22	11	33	19	22	9/16	3/4
54.46.08.06	24,8	11	31,5	19	22	3/4	9/16
54.46.08.08	24,9	11	33	19	22	3/4	3/4
54.46.08.10	26,5	12,5	38,6	22	27	3/4	7/8
54.46.10.10	28,2	12,5	38,6	22	27	7/8	7/8
54.46.12.10	32,5	12,5	42	27	27	1.1/16	7/8
54.46.12.12	32,5	15	43,9	27	32	1.1/16	1.1/16
54.46.16.16	37,3	15	47,2	33	38	1.5/16	1.5/16
54.46.20.20	39	16,8	47,2	41	50	1.5/16	1.5/8

54.47

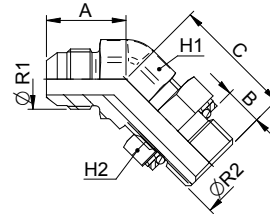
CODO 45° ORIENTABLE SAE-MÉTRICO ISO 6149
45° ADJUSTABLE STUD ELBOW METRIC-PARALLEL ISO 6149
COUDE MÂLE 45° CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 45° METRISCH ISO 6149
GOMITO MASCHIO 45° METRICO CILINDRICO ISO 6149



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.47.04.02	18,3	9	27	11	13	7/16	M10x1
54.47.04.04	21	10	28	14	17	7/16	M14x1,5
54.47.06.04	21	10	28	14	17	9/16	M14x1,5
54.47.08.06	25	12	33	19	22	3/4	M18x1,5
54.47.08.08	25	14	37,5	22	27	3/4	M22x1,5
54.47.10.06	28	12	35,5	22	22	7/8	M18x1,5
54.47.10.08	28	14	37,5	22	27	7/8	M22x1,5

54.48

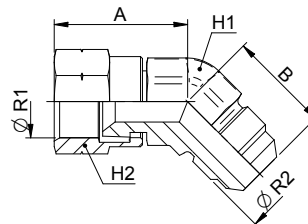
CODO 45° ORIENTABLE SAE-MÉTRICO DIN 3852
45° ADJUSTABLE STUD ELBOW METRIC-PARALLEL DIN 3852
COUDE MÂLE 45° CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVESCHRAUBUNG 45° METRISCH DIN 3852
GOMITO MASCHIO 45° METRICO CILINDRICO DIN 3852



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.48.04.02	18,3	7,5	26,7	11	13	7/16	10x1
54.48.04.04	21,1	8,5	29	14	17	7/16	14x1,5
54.48.06.04	21,1	8,5	29	14	17	9/16	14x1,5
54.48.08.06	24,9	9	33	19	22	3/4	18x1,5
54.48.08.08	28,2	10,5	38,6	22	27	3/4	22x1,5
54.48.10.08	28,2	10,5	38,6	22	27	7/8	22x1,5

54.49

CODO 45° MF-TL JIC
45° SWIVEL ELBOW JIC
UNION COUDE 45° ECROU PIVOTANT JIC
WINKELEINSCHRAUBVERSCHRAUBUNG 45° MIT DREHMUTTER JIC
UNIONE GOMITO 45° CON DADO GIREVOLE JIC



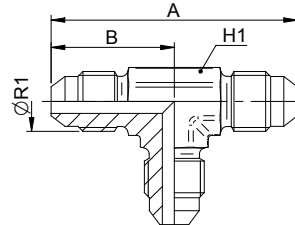
Ref.	A	B	H1	H2	ØR1	ØR2
54.49.00.04	23,9	18,3	11	16	7/16	7/16

Continua >

Ref.	A	B	H1	H2	ØR1	ØR2
54.49.00.05	25,4	19,6	13	16	1/2	1/2
54.49.00.06	28,4	21,1	14	19	9/16	9/16
54.49.00.08	32,5	24,9	19	22	3/4	3/4
54.49.00.10	36,6	28,2	22	27	7/8	7/8
54.49.00.12	38,1	32,5	27	32	1.1/16	1.1/16
54.49.00.16	44,4	37,3	33	38	1.5/16	1.5/16
54.49.00.20	50,5	40,4	41	50	1.5/8	1.5/8
54.49.00.24	57,8	45	48	60	1.7/8	1.7/8

54.51

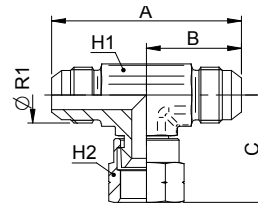
**TE TUBO-TUBO SAE
EQUAL TEES
UNION "T"
T-VERSCHRAUBUNG
UNIONE A "T"**



Ref.	A	B	H1	ØR1
54.51.00.04	45	22,5	11	7/16
54.51.00.05	48	24	13	1/2
54.51.00.06	54	27	14	9/16
54.51.00.08	64	32	19	3/4
54.51.00.10	74	37	22	7/8
54.51.00.12	84	42	27	1.1/16
54.51.00.16	92	46	33	1.5/16
54.51.00.20	105	52,5	41	1.5/8
54.51.00.24	118	59	48	1.7/8
54.51.00.32	155	77,5	65	2.1/2

54.55

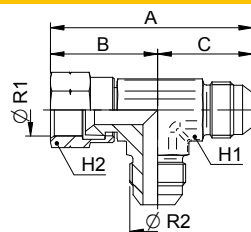
**TE MF-TL CENTRAL SAE
SWIVEL BRANCH TEE JIC
"T" DE LIGNE AVEC ECROU PIVOTANT JIC
LINIEN-T MIT DREHMUTTER JIC
"T" DI LINEA CON DADO GIREVOLE JIC**



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.55.00.04	45	22,5	25,4	11	16	7/16	7/16
54.55.00.05	48	24	26,9	13	16	1/2	1/2
54.55.00.06	54	27	31,8	14	19	9/16	9/16
54.55.00.08	64	32	35,1	19	22	3/4	3/4
54.55.00.10	74	37	41,1	22	27	7/8	7/8
54.55.00.12	84	42	44,4	27	32	1.1/16	1.1/16
54.55.00.16	92	46	50,8	33	38	1.5/16	1.5/16
54.55.00.20	105	52,5	58,7	41	50	1.5/8	1.5/8
54.55.00.24	118	59	65,8	48	60	1.7/8	1.7/8
54.55.00.32	155	77,5	81,8	65	75	2.1/2	2.1/2

54.59

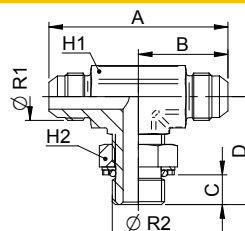
TE MF-TL LATERAL SAE
SWIVEL RUN TEE JIC
"T" DE DÉRIVATION AVEC ECROU PIVOTANT JIC
ABLEITUNG "T" MIT DREHMUTTER JIC
"T" DI DERIVAZIONE CON DADO GIREVOLE JIC



Ref.	A	B	C	H1	H2	ØR1	ØR2
54.59.00.04	48	25,4	22,5	11	16	7/16	7/16
54.59.00.05	51	26,9	24	13	16	1/2	1/2
54.59.00.06	58,7	31,8	27	14	19	9/16	9/16
54.59.00.08	66,9	35,1	32	19	22	3/4	3/4
54.59.00.10	77,9	41,1	37	22	27	7/8	7/8
54.59.00.12	86,6	44,4	42	27	32	1.1/16	1.1/16
54.59.00.16	96,8	50,8	46	33	38	1.5/16	1.5/16
54.59.00.20	111	58,7	52,5	41	50	1.5/8	1.5/8
54.59.00.24	125	65,8	59	48	60	1.7/8	1.7/8
54.59.00.32	137	81,8	77,5	65	75	2.1/2	2.1/2

54.61

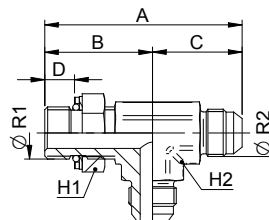
TE ORIENTABLE CENTRAL SAE-GAS
BRANCH TEE-ADJUSTABLE (B.S.P. PARALLEL)
"T" MÂLE DE LIGNE BSPP (GAS CYLINDRIQUE)
LINIEN EINSCHRAUB-T BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI LINEA BSPP (GAS CILINDRICO)



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
54.61.04.02	45	22,5	6,3	26,5	11	14	7/16	1/8
54.61.04.04	53	26,5	9,5	32	14	19	7/16	1/4
54.61.05.02	48	24	6,3	26,5	13	14	1/2	1/8
54.61.06.04	54	27	9,5	32	14	19	9/16	1/4
54.61.06.06	61	30,5	9,5	37	19	22	9/16	3/8
54.61.08.06	64	32	9,5	37	19	22	3/4	3/8
54.61.08.08	71,4	35,7	13	43	22	27	3/4	1/2
54.61.10.08	74	37	13	43	22	27	7/8	1/2
54.61.10.12	83	41,5	13	49,5	27	36	7/8	3/4
54.61.12.08	84	42	13	47,5	27	27	1.1/16	1/2
54.61.12.12	84	42	13	49,5	27	36	1.1/16	3/4
54.61.16.16	92	46	16	52	33	41	1.5/16	1
54.61.20.20	105	52,5	16	59	41	50	1.5/8	1.1/4
54.61.24.24	118	59	16	60,5	48	55	1.7/8	1.1/2

54.63

TE ORIENTABLE LATERAL SAE-GAS
RUN TEE-ADJUSTABLE (B.S.P. PARALLEL)
"T" MÂLE DE DERIVATION BSPP (GAZ CYLINDRIQUE)
ABLEITUNG BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI DERIVAZIONE BSPP (GAS CILINDRICO)



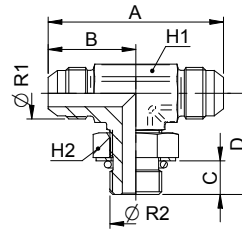
Ref.	A	B	C	D	H1	H2	ØR1	ØR2
54.63.04.02	49	26,5	22,5	6,3	14	11	7/16	1/8
54.63.04.04	58,5	32	26,5	9,5	19	14	7/16	1/4
54.63.05.02	50,5	26,5	24	6,3	14	13	1/2	1/8
54.63.06.04	59	32	27	9,5	19	14	9/16	1/4

Continua >

Ref.	A	B	C	D	H1	H2	ØR1	ØR2
54.63.06.06	67,5	37	30,5	9,5	22	19	9/16	3/8
54.63.08.06	69	37	32	9,5	22	19	3/4	3/8
54.63.08.08	78,7	43	35,7	13	27	22	3/4	1/2
54.63.10.08	80	43	37	13	27	22	7/8	1/2
54.63.10.12	91	49,5	41,5	13	36	27	7/8	3/4
54.63.12.08	89,5	47,5	42	13	27	27	1.1/16	1/2
54.63.12.12	91,5	49,5	42	13	36	27	1.1/16	3/4
54.63.16.16	98	52	46	16	41	33	1.5/16	1
54.63.20.20	111,5	59	52,5	16	50	41	1.5/8	1.1/4
54.63.24.24	119,5	60,5	59	16	55	48	1.7/8	1.1/2

54.65

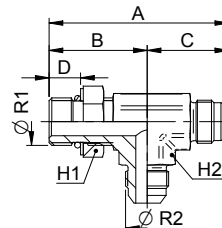
TE ORIENTABLE CENTRAL SAE
 BRANCH TEE-ADJUSTABLE UNF 2A
 "T" MÂLE LIGNE UNF 2A
 LINIEN EINSCHRAUB-T UNF 2A
 "T" MASCHIO DI LINEA UNF 2A



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
54.65.04.04	45	22,5	9	26	11	14	7/16	7/16
54.65.05.05	48	24	9	28,5	13	16	1/2	1/2
54.65.06.06	54	27	10	32	14	17	9/16	9/16
54.65.08.08	64	32	11	37	19	22	3/4	3/4
54.65.10.10	74	37	12,5	43	22	27	7/8	7/8
54.65.12.12	84	42	15	49,5	27	32	1.1/16	1.1/16
54.65.16.16	92	46	15	52	33	38	1.5/16	1.5/16
54.65.24.24	118	59	15	60.5	48	55	1.7/8	1.7/8

54.67

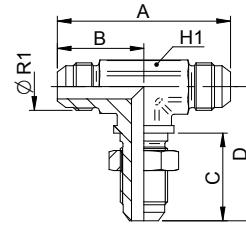
TE ORIENTABLE LATERAL SAE
 RUN TEE-ADJUSTABLE UNF 2A
 "T" MÂLE DE DERIVATION UNF 2A
 ABLEITUNG "T" UNF 2A
 "T" MASCHIO DI DERIVAZIONE UNF 2A



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
54.67.04.04	48.5	26	22.5	9	14	11	7/16	7/16
54.67.05.05	52.5	28.5	24	9	16	13	1/2	1/2
54.67.06.06	59	32	27	10	17	14	9/16	9/16
54.67.08.08	69	37	32	11	22	19	3/4	3/4
54.67.10.10	80	43	37	12,5	27	22	7/8	7/8
54.67.12.12	91.5	49.5	42	15	32	27	1.1/16	1.1/16
54.67.16.16	98	52	46	15	38	33	1.5/16	1.5/16

54.73

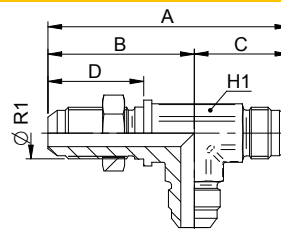
TE PASATABIQUES CENTRAL JIC
 BULKHEAD BRANCH TEE JIC
 "T" DE LIGNE TRAVERSÉE JIC
 "T" SCHOTTADAPTER JIC
 "T" DI LINEA PASSAPARATIA JIC



Ref.	A	B	C	D	H1	ØR1
54.73.00.04	49	24,5	28,3	40,5	11	7/16
54.73.00.05	54	27	28,3	43	13	1/2
54.73.00.06	55	27,5	30,1	46	14	9/16
54.73.00.08	69	34,5	35	53,5	19	3/4
54.73.00.10	79	39,5	38,5	60,5	22	7/8
54.73.00.12	90	45	42,8	68	27	1.1/16
54.73.00.16	99	49,5	42,8	71	33	1.5/16

54.74

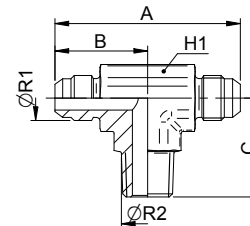
TE PASATABIQUES LATERAL JIC
 BULKHEAD RUN TEE JIC
 "T" DE DÉRIVATION TRAVERSÉE JIC
 "L" SCHOTTADAPTER JIC
 "T" MASCHIO DI DERIVAZIONE PASSAPARATIA



Ref.	A	B	C	D	H1	ØR1
54.74.00.04	65	24.5	40.5	28.3	11	7/16
54.74.00.05	70	27	43	28.3	13	1/2
54.74.00.06	73.5	27.5	46	30.1	14	7/16
54.74.00.08	88	34.5	53.5	35	19	3/4
54.74.00.10	100	39.5	60.5	38.5	22	7/8
54.74.00.12	113	45	68	42.8	27	1.1/16
54.74.00.16	120.5	49.5	71	42.8	33	1.5/16

54.81

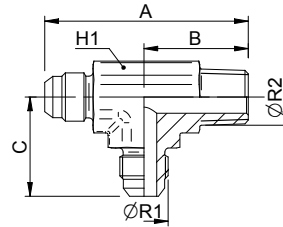
TE MACHO JIC 37°-NPTF CENTRAL
 MALE BRANCH TEE JIC 37°-NPTF
 "T" DE LIGNE MÂLE JIC 37°-NPTF
 LINIEN EINSCHRAUB T NPTF
 "T" DI LINEA MASCHIO JIC 37°-NPTF



Ref.	A	B	C	H1	ØR1	ØR2
54.81.04.02	45,2	22,6	19,8	11	7/16	1/8
54.81.04.04	52	26	27,7	14	7/16	1/4
54.81.05.02	48,2	24,1	19,8	13	1/2	1/8
54.81.06.04	54	27	27,7	14	9/16	1/4
54.81.06.06	58	29	31	19	9/16	3/8
54.81.08.06	63,6	31,8	31	19	3/4	3/8
54.81.08.08	66	33	37,3	22	3/4	1/2
54.81.10.08	74	37	37,3	22	7/8	1/2
54.81.12.12	84,4	42,2	40,4	27	1.1/16	3/4
54.81.16.16	92	46	46,1	33	1.5/16	1
54.81.20.20	105	52,5	53,1	41	1.5/8	1.1/4
54.81.24.24	119	59,5	57,3	48	1.7/8	1.1/2

54.83

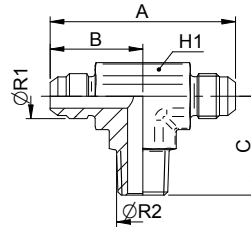
TE MACHO JIC 37°-NPTF LATERAL
 MALE RUN TEE JIC 37°-NPTF
 "T" DE DERIVATION MÂLE JIC 37°-NPTF
 ABLEITUNG "T" NPT
 "T" DI DERIVAZIONI MASCHIO JIC 37°-NPTF



Ref.	A	B	C	H1	ØR1	ØR2
54.83.04.02	42,4	19,8	22,6	11	7/16	1/8
54.83.04.04	54,1	27,2	26,9	14	7/16	1/4
54.83.05.02	43,9	19,8	24,1	13	1/2	1/8
54.83.06.04	54,2	27,2	27	14	9/16	1/4
54.83.06.06	59,5	30,5	29	19	9/16	3/8
54.83.08.06	62,8	31	31,8	19	3/4	3/8
54.83.08.08	71	37,3	33,7	22	3/4	1/2
54.83.10.08	74,1	37,3	36,8	22	7/8	1/2
54.83.12.12	82,6	40,4	42,2	27	1.1/16	3/4
54.83.16.16	93,6	47,6	46	33	1.5/16	1
54.83.20.20	104,6	52,3	52,3	41	1.5/8	1.1/4

54.82

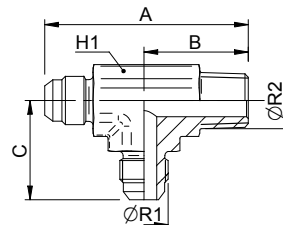
TE MACHO JIC 37°-BSPT CENTRAL
 MALE BRANCH TEE JIC 37°-BSPT
 "T" DE LIGNE MÂLE JIC 37°-BSPT
 LINIEN EINSCHRAUB T BSPT (WITHWORTH-ROHRGEWINDE
 KEGELIG)
 "T" DI LINEA MASCHIO JIC 37°-BSPT



Ref.	A	B	C	H1	ØR1	ØR2
54.82.04.02	45,2	22,6	19,8	11	7/16	1/8
54.82.04.04	52	26	27,7	14	7/16	1/4
54.82.05.02	48,2	24,1	19,8	13	1/2	1/8
54.82.06.04	54	27	27	14	9/16	1/4
54.82.06.06	58	28	30	19	9/16	3/8
54.82.08.06	63,6	31,8	31	19	3/4	3/8
54.82.08.08	66	33	37,3	22	3/4	1/2
54.82.10.08	73,6	36,8	37,3	22	7/8	1/2
54.82.12.12	84,4	42,2	40,4	27	1.1/16	3/4
54.82.16.16	92	46	50	33	1.5/16	1

54.84

TE MACHO JIC 37°-BSPT LATERAL
 MALE RUN TEE JIC 37°-BSPT
 "T" DE DERIVATION MÂLE JIC 37°-BSPT
 ABLEITUNG "T" BSPT (WITHWORTH-ROHRGEWINDE
 KEGELIG)
 "T" DI DERIVAZIONI MASCHIO JIC 37°BSPT



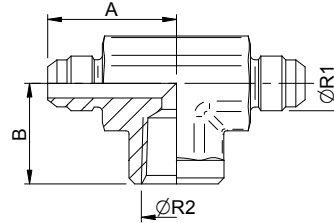
Ref.	A	B	C	H1	ØR1	ØR2
54.84.04.02	42,4	19,8	22,6	11	7/16	1/8
54.84.04.04	54,1	27,2	26,9	14	7/16	1/4
54.84.05.02	43,9	19,8	24,1	13	1/2	1/8
54.84.05.04	53,2	27,2	26	14	1/2	1/4
54.84.06.04	54,1	27,2	26,9	14	9/16	1/4
54.84.06.06	59,5	30,5	29	19	9/16	3/8
54.84.08.06	62,3	30,5	31,8	19	3/4	3/8

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
54.84.08.08	71	37.3	33,7	22	3/4	1/2
54.84.10.08	74,1	37.3	36,8	22	7/8	1/2
54.84.12.12	82,6	40.4	42,2	27	1.1/16	3/4
54.84.16.16	93,6	47.6	46	33	1.5/16	1

54.85

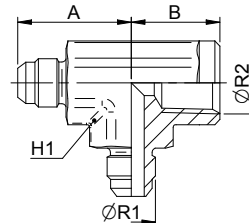
TE MACHO JIC 37°-HF CENTRAL NPTF
 RUN TEE MALE JIC 37°-FEMALE NPTF
 "T" DE LIGNE MÂLE JIC 37°-FEMELLE NPTF
 LINIEN EINSCHRAUB T MUTTERSETTING NPTF
 "T" DI LINEA MASCHIO JIC 37°-FEMMINA NPTF



Ref.	A	B	H1	ØR1	ØR2
54.85.04.02	27	16,8	14	7/16	1/8
54.85.04.04	30,9	22,4	19	7/16	1/4
54.85.05.04	30,5	22,4	19	1/2	1/4
54.85.06.04	30,2	22,4	19	9/16	1/4
54.85.06.06	33,2	25,9	22	9/16	3/8
54.85.08.06	36,1	25,9	22	3/4	3/8
54.85.08.08	36,1	31,2	27	3/4	1/2
54.85.10.08	41,7	31,2	27	7/8	1/2
54.85.12.08	42,1	31,2	27	1.1/16	1/2
54.85.12.12	46	35	33	1.1/16	3/4
54.85.14.12				1.3/16	3/4
54.85.16.16	52,1	41	41	1.5/16	1
54.85.20.20	56,9	43,2	48	1.5/8	1.1/4
54.85.24.24	72,1	52,8	65	1.7/8	1.1/2

54.86

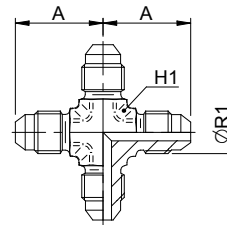
TE MACHO JIC 37°-HF LATERAL NPTF
 RUN TEE MALE JIC 37°-FEMALE NPTF
 "T" DE DERIVATION MÂLE JIC 37°-FEMELLE NPTF
 ABLEITUNG "T" MUTTERSETTING NPT
 "T" DI DERIVAZIONI MASCHIO JIC 37°-FEMMINA NPTF



Ref.	A	B	H1	ØR1	ØR2
54.86.04.02	27,4	16,8	14	7/16	1/8
54.86.04.04	30,9	22,4	19	7/16	1/4
54.86.05.04	30,5	22,4	19	1/2	1/4
54.86.06.04	30,2	22,4	19	9/16	1/4
54.86.06.06	33,2	25,9	22	9/16	3/8
54.86.08.06	36,1	25,9	22	3/4	3/8
54.86.08.08	36,1	31,2	27	3/4	1/2
54.86.10.08	41,7	31,2	27	7/8	1/2
54.86.12.08	42,1	31,2	27	1.1/16	1/2
54.86.12.12	46	35	33	1.1/16	3/4
54.86.16.16	52,1	41	41	1.5/16	1
54.86.20.20	56,9	43,2	48	1.5/8	1.1/4
54.86.24.24	72,1	52,8	65	1.7/8	1.1/2

54.90

ADAPTADOR CRUZ MACHO JIC 37°
 UNION CROSS MALE JIC 37°
 ADAPTEUR CROIX MÂLE JIC 37°
 KREUZADAPTER STUTZEN JIC 37°
 RACCORDI INTERMEDI A CROCE MASCHIO JIC 37°



Ref.	A	H1	ØR1
54.90.00.04	22,6	11	7/16
54.90.00.05	24,1	13	1/2
54.90.00.06	26,9	14	9/16
54.90.00.08	31,8	19	3/4
54.90.00.10	36,8	22	7/8
54.90.00.12	42,2	27	1.1/16
54.90.00.16	46	33	1.5/16
54.90.00.20	52,3	41	1.5/8
54.90.00.24	59,2	48	1.7/8

40.21

PUNZÓN
 PUNCH
 POICON
 STEMPEL
 PUNZONE



Ref.	Ø Tubo (mm.)	Ø Tubo (pul.)
40.21.00.08	6-8-10	1/4-5/16-3/8
40.21.00.14	12-14-15-16	1/2-5/8
40.21.00.18	18-20	3/4
40.21.00.22	22-25	1
40.21.00.32	30-32	1.1/4
40.21.00.38	38	1.1/2

40.25

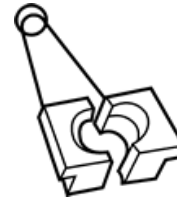
PUNZÓN ESBOZO
 PRE-FLARING PUNCH
 POINÇON PREEVASEMENT
 SPITZSENK VORSTEMPEL
 PUNZONE PRESVASATORE



Ref.	Ø Tubo (mm)
40.25.00.10	20-38

40.22

MORDAZA PARA TUBO MÉTRICO
TUBE TONGS
BLOQUE TUBE
ROHREINSPANNUNG
SERRATUBO



Ref.	Ø Tubo (mm)	Ø Tubo (pul.)
40.22.00.06	6	
40.22.00.08	8	5/16
40.22.00.10	10	
40.22.00.12	12	
40.22.00.14	14	
40.22.00.15	15	
40.22.00.16	16	
40.22.00.18	18	
40.22.00.20	20	
40.22.00.22	22	
40.22.00.25	25	
40.22.00.30	30	
40.22.00.32	32	
40.22.00.38	38	

40.23

MORDAZA PARA TUBO GAS
TUBE TONGS
BLOQUE TUBE
ROHREINSPANNUNG
SERRATUBO



Ref.	Ø Tubo (pul.)
40.23.00.04	1/4
40.23.00.06	3/8
40.23.00.08	1/2
40.23.00.10	5/8
40.23.00.12	3/4
40.23.00.16	1
40.23.00.20	1.1/4
40.23.00.24	1.1/2

FABRICACIÓN:

ACERO al CARBONO

Los racores indicados pueden servirse también en acero inoxidable
AISI 316 (DIN 1.4404).
No dude en consultar cualquier necesidad.

ESECUZIONE:

ACCIAIO al CARBONIO

I raccordi sono prodotti anche in acciaio AISI 316 (DIN 1.4404).
No dubitarsi di consultare qualsiasi necessità.

FABRICATION:

ACCIER au CARBONE

Les raccords sont fabriqués même en acier Inox AISI 316 (DIN 1.4404).
Ne doutez pas de consulter votre nécessité.

EXECUTION:

CARBON STEEL

Fittings are also made in AISI 316 stainless steel (DIN 1.4404).
Don't doubt to consult us your necessity.

MATERIAL:

STAHL, OBERFLÄCHENBEHANDELT

Die Verschraubungen werden auch aus Edelstahl AISI 316 (DIN 1.4404)
hergestellt.
Zögern Sie nicht Ihre Sonderwünsche anzufragen.

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