Racorería Tuberia Rígida - Asiento Plano ORFS
Tapered Tightness Fittings - O-Ring Face Seal

INTRODUCCIÓN

La gama de racorería para tubo rígido O.R.F.S. (O' Ring Face Seal) se ha diseñado para eliminar las fugas en los sistemas hidráulicos y , al mismo tiempo, permitir presiones de trabajo más elevadas.

La serie O.R.F.S. de Fontan ha sido diseñada para su uso tanto en tubería métrica como en pulgadas, permitiendo un amplio rango de dimensiones diferentes de tubo.

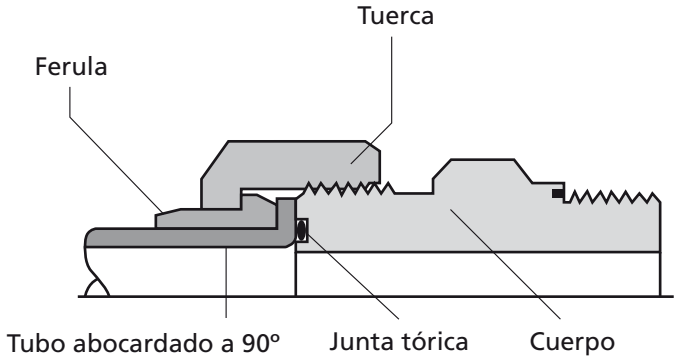
Un mismo cuerpo de racor puede admitir diferentes diámetros de tubo, dentro de los rangos especificados, con sólo cambiar la férula o la ojiva a soldar.

El sistema se basa en los siguientes cuatro componentes:

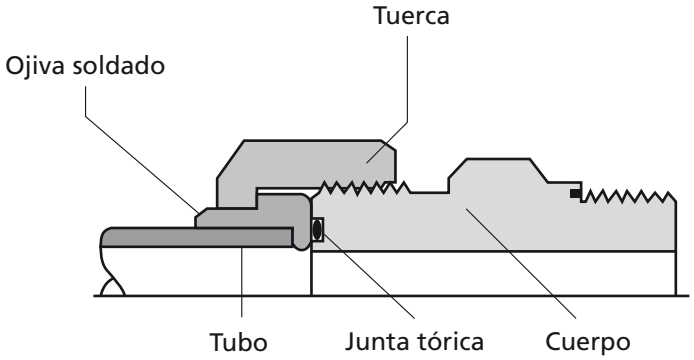
- Tuerca
- Ferula
- Cuerpo del racor
- Junta tórica

Nuestra gama de conexiones es apta tanto para su uso con tubería abocardada como con tubería con una ojiva soldada en su extremo:

- Abocardado a 90º: en este caso deberemos utilizar una férula para tubo abocardado (ya sea milimétrico o en pulgadas), e incorporando el resto de componentes igualmente. Y se procederá, con el utillaje y la maquinaria pertinente, a realizar un abocardado a 90º sobre la misma tubería.



- Soldadura de una ojiva en el extremo del tubo: en estas situaciones procederemos a la soldadura de la ojiva plana pertinente al extremo del tubo, convenientemente preparado para dicha operación, siendo el resto de componentes exactamente los mismos.



En ambos casos, la unión del tubo más la ojiva o la férula ofrece un punto reforzado para garantizar una mejor resistencia a las vibraciones e impulsos.

Disponemos de una muy amplia variedad de cuerpos rectos, acodados y en te, con posibilidad de conexión a los puertos de rosca normalizados más comunes. Toda esta gama de posibilidades es apta tanto para tubo rígido (abocardado a 90º o con la ojiva soldada) como para tubería flexible de alta presión (disponemos, complementariamente, de toda una serie de racores a prensar standard, multiespiral e interlock). Un mismo cuerpo admite todos los sistemas de unión al circuito oleodinámico.

DISEÑO Y CONSTRUCCIÓN

Para la fabricación de esta gama de racores se han seguido las acotaciones marcadas por la nueva norma SAE J1453 o ISO 8434-3.

Como ventajas de este sistema, podemos mencionar:

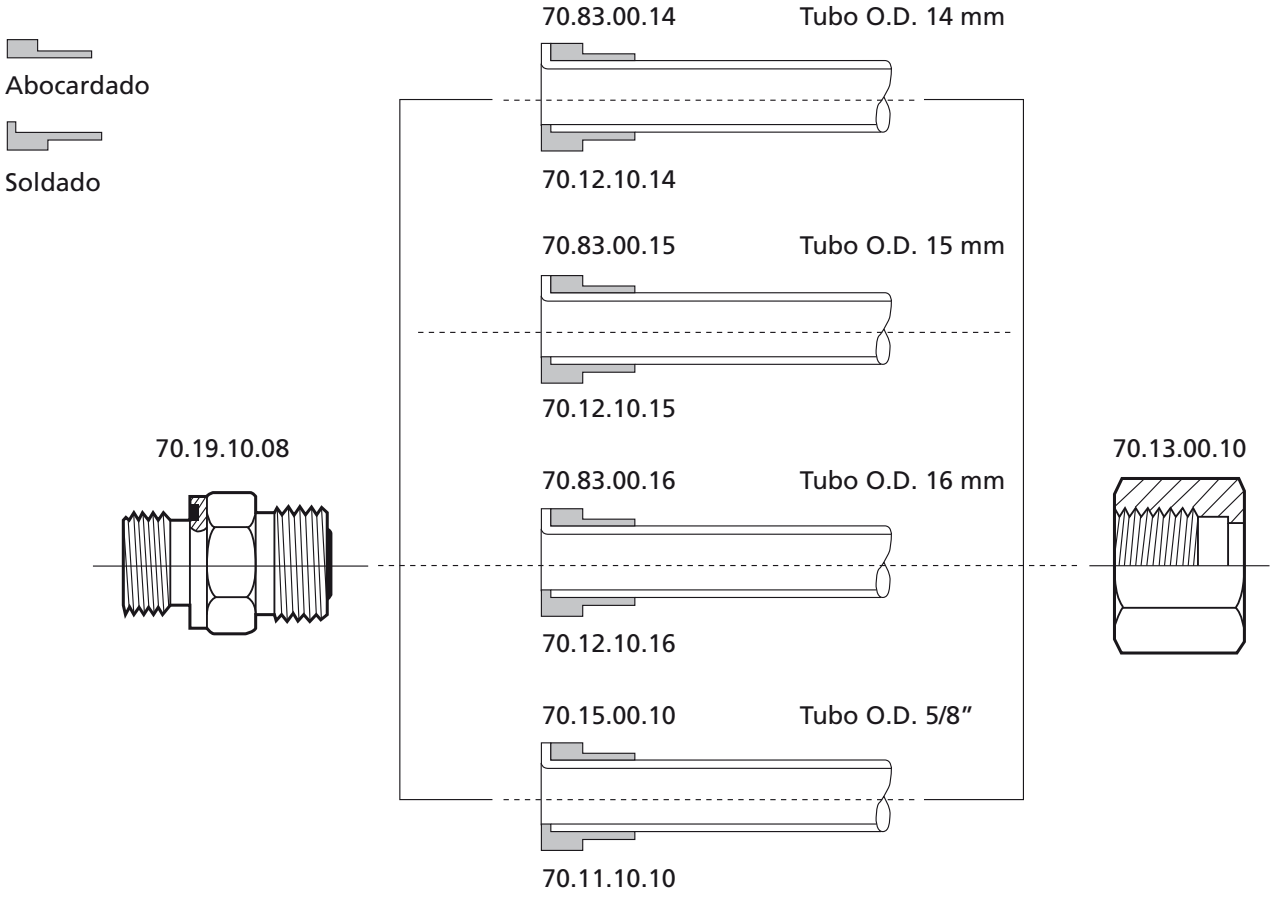
- Reduce los tiempos de montaje. De hecho, cuando conectamos el racor al tubo no es necesario insertar la junta tórica ni añadir grasas ni colas para fijación de la misma. La junta tórica ya se encuentra en su regata dispuesta para su montaje.
- Una gestión más eficaz y simplificada. La junta tórica de estanqueidad forma parte siempre del propio racor, no siendo necesaria la incorporación de un código más a la hora de realizar el pedido o de gestionar los stocks o preveer los montajes.
- Conexiones más seguras. Al no ser necesaria ninguna operación extra durante el montaje, se evitan posibles errores o olvidos.
- Mayor facilidad de reparación y mantenimiento. Al no entrar el tubo dentro del cuerpo del racor, se evitan holguras, estrangulamientos o pinzamientos del mismo.
- Resistencia a presiones y depresiones elevadas.
- Ausencia total de fugas.
- Resistencia a pares de apriete elevados.
- Facilidad de montaje. No se necesitan conocimientos especiales ni elevada experiencia.
- Los racores pueden conectar tanto con tubo milimétrico como en pulgadas.
- Posibilidad de efectuar repetidos montajes y desmontajes; sólo sustituyendo, si fuera necesario por su envejecimiento o desgaste, la junta tórica.

MATERIALES

Los racores O.R.F.S. de Fontan están disponibles tanto en acero al carbono como en acero inoxidable en serie standard, siendo posible su suministro también en otros materiales, como latón o aluminio, por ejemplo, bajo consulta.

RACORERIA PARA TUBO MILIMETRICO O EN PULGADAS:

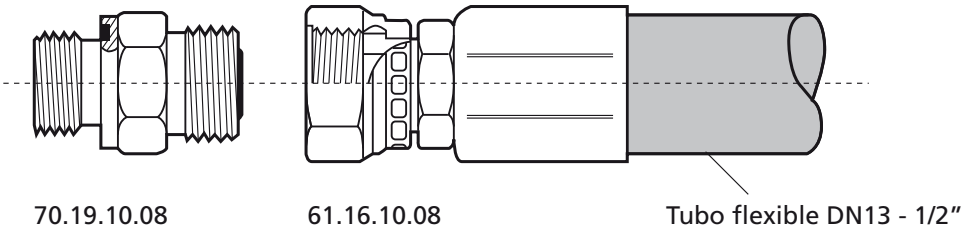
La serie ORFS ha sido diseñada para ajustarse tanto a tubo milimétrico como en pulgadas. Sólo es necesario utilizar la férula u ojiva correspondiente; un mismo cuerpo de racor nos podrá servir para ambas tuberías. Asimismo, escogiendo entre ojiva a soldar o férula, podremos realizar montajes utilizando la opción de soldadura o bien de abocardado. Todo ello nos posibilitará una reducción del inventario de piezas, a la vez que ofrecerá mayor flexibilidad al sistema.



Así, como vemos en este ejemplo, un mismo racor (70.19.10.08) puede ser conectado a diferentes medidas de tubo, usando siempre la misma tuerca (70.13.00.10):

Tubo de diámetro exterior de 14mm, 15mm, 16mm ó 5/8".
Sólo deberemos decidir que opción de montaje utilizaremos, abocardado o soldadura, para la tubería elegida y solicitar la referencia de la férula o la ojiva a soldar pertinente:
70.83.00.14, 70.83.00.15, 70.83.00.16 ó 70.15.00.10 si optamos por abocardar el tubo; 70.12.10.14, 70.12.10.15, 70.12.10.15 ó 70.11.10.10 si optamos por soldar una ojiva al tubo. Sea cual sea la opción elegida, las condiciones de seguridad, garantía y fiabilidad del sistema siempre serán las mismas.

Además, esta racorería ORFS también permite su montaje con tubería flexible de alta presión, gracias a la gama de racorería ORFS para prensado en series standard, multiespiral e interlock.



PREPARACIÓN DEL TUBO

Cuando preparemos el tubo para abocardar o para soldar, deberemos primero seguir los siguientes pasos:

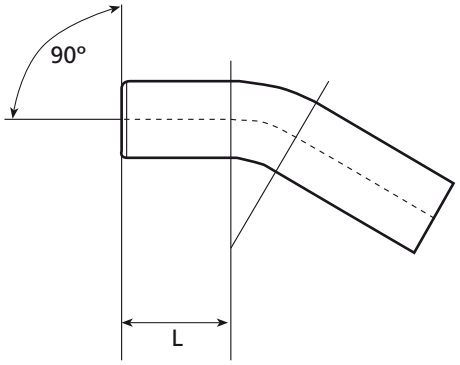
1º Comprobar que el diámetro exterior del tubo es el correcto.
2º Comprobar que el espesor de la pared del tubo es la correcta.
3º Cortar el tubo totalmente a escuadra.
4º Rebarbar los diámetros externo e interno del tubo.
5º Limpiar el tubo.

A continuación, y en función del método de conexión de la racorería al tubo elegida deberemos de tener en cuenta:

A) Abocardado:

La elección de esta opción implica que las características del tubo y del proceso serán similares a las de todo tubo para poder ser abocardado:

- El material del tubo ha de tener una calidad que no permita una exfoliación o agrietamiento interior o exterior al ser abocardado. Generalmente se suelen obtener buenos resultados con tubos de acero con elasticidades iguales o superiores a 21%.
- El extremo a abocardar debe estar cortado totalmente perpendicular al eje del tubo, como muestra el dibujo.
- Para permitir una correcta sujeción a la máquina de abocadar, usando un utillaje standard, la parte recta del tubo debe respetar la cota L.



La parte recta del tubo L no debe ser menor de las dimensiones dadas:	
de ø6 a 12 1/4" a 1/2"	38mm
de ø14 a 20 5/8" a 3/4"	45mm
de ø22 a 38 1" a 1 1/2"	50mm

B) Soldadura:

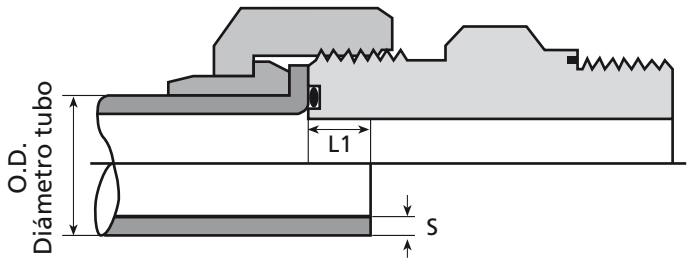
Esta solución será imprescindible siempre que :

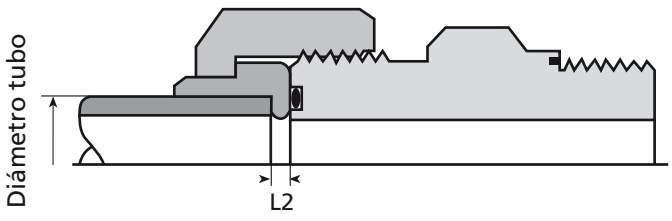
- la parte recta del tubo
- el espesor de la pared del tubo

no respete las dimensiones especificadas en la tabla.

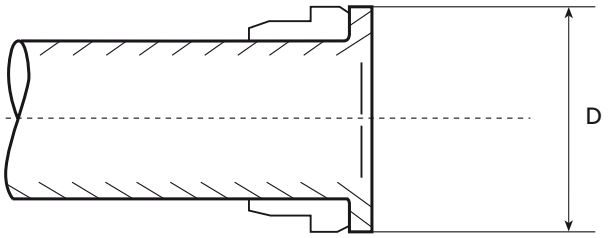
Asimismo, podremos optar por esta opción siempre que lo decidamos con las mismas garantías de seguridad y fiabilidad.

Las tablas siguientes muestran los diámetros de tubo y espesores de pared. Para obtener la longitud de corte real del tubo deberemos añadir L1 o deducir L2 en función de la opción de instalación elegida (+L1 si vamos a abocardar la tubería; -L2 si vamos a soldar una ojiva al extremo del tubo).





Asimismo, en la tabla observaremos los diámetros finales de abocardado para las diferentes medidas de tubo (D).



Tubo métrico | Tubo pulgadas

Diam. Ext. Tubo OD mm	Espesor pared S mm	L1 mm	D min mm	D max mm	L2 mm	L1 mm	Espesor pared S in	Diam. Ext. Tubo OD in
6	1 1,5	4,5 5,5	12,00	12,75	1 1 1	4,6 4,9 3,8	0,028 0,035 0,049	1/4"
8	1 1,5	5,1 4,8	14,85	15,75	1 1 1		0,035 0,049 0,065	5/16"
10	1 1,5 2	2,5 3,9 3,6	14,85	15,75	1 1 1	3,6 3,6 4,0	0,035 0,049 0,065	3/8"
12	1 1,5 2 2,5	3,5 4,3 4,5	18,00	18,90	1 1 1 1	4,0 3,6 3,6	0,035 0,049 0,065	1/2"
14	1,5 2 2,5		22,20	23,45	1,5 1,5 1,5			
15	1,5 2 2,5	4,5 4,9	22,20	23,45	1,5 1,5 1,5			
16	1,5 2 2,5 3	3,0 3,2 3,3	22,20	23,45	1,5 1,5 1,5 1,5 1,5	4,0 4,0 2,7 4,4 4,2	0,049 0,065 0,083 0,095 0,120	5/8"
18	1,5 2 2,5 3	6,1 5,5	26,50	27,85	1,5 1,5 1,5 1,5			
20	2 2,5 3 3,5	3,7 3,9 4,0	26,50	27,85	1,5 1,5 1,5 1,5 1,5	4,0 4,0 3,2 2,8 4,2	0,049 0,065 0,083 0,095 0,120	3/4"
22	2 2,5 3	6,7 7,3	32,50	34,20	1,5 1,5 1,5			
25	2,5 3 4 5	4,2 4,5 4,3	32,50	34,20	1,5 1,5 1,5 1,5 1,5	3,6 3,6 2,8 4,4 4,8	0,065 0,083 0,095 0,120 0,134	1"
28	2 2,5 3	6,2 7,3	39,35	40,55	1,5 1,5 1,5			
30	2 2,5 3 4	4,9 5,2 5,3	39,35	40,55	1,5 1,5 1,5 1,5			
32	3 4	3,7 3,7	39,35	40,55	1,5 1,5 1,5	3,0 4,0 4,2	0,120 0,134 0,188	1 1/4"
35	3 4	7,1	47,25	48,50	1,5 1,5			
38	3 4	5,0 5,0	47,25	48,50	1,5 1,5 1,5	4,8 4,9 5,4	0,120 0,134 0,188	1 1/2"

Pueden haber pequeñas variaciones en la cota L1 cuando se utilice tubería en acero inoxidable.

MONTAJE DEL RACOR ORFS:

1º Comprobar que la junta tórica es la adecuada y está correctamente colocada en su ranura de la cara plana de asiento del racor.
2º Colocar el tubo contra el cuerpo del racor de tal manera que la cara plana de cierre esté en contacto total con la junta tórica.
3º Roscar la tuerca a mano y apretarla al par de apriete recomendado en la siguiente tabla:

Diam. Tubo		Rosca	Par apriete +10% -0%
mm	in	(UN/UNF)	Nm
6	1/4"	9/16-18	23
8	5/16"	11/16-16	33
10	3/8"	11/16-16	33
12	1/2"	13/16-16	50
14		1 -14	80
15		1 -14	80
16	5/8"	1 -14	80
18		1 3/16-12	115
20	3/4"	1 3/16-12	115
22		1 7/16-12	150
25	1"	1 7/16-12	150
28		1 11/16-12	190
30		1 11/16-12	190
32	1 1/4"	1 11/16-12	190
35		2 -12	245
38	1 1/2"	2 -12	245

Observaciones:

- El par de apriete mostrado en la tabla es para componentes de acero al carbono zincados-bicromatados y no lubrificados.
- Para conexiones en acero inoxidable, lubrificar todas las superficies de unión y apretar hasta el límite superior de la tolerancia de apriete.
- Se trata de pares de apriete recomendados para conexiones con racorería ORFS en las cuales todos los componentes sean fabricados por Fontan Racorería, S.A.

INTRODUCTION

The range of ORFS (O-Ring Face Seal) tube fittings has been designed in order to eliminate leakage in hydraulic systems and allow higher operating pressure ratings.

Fontan's ORFS fittings Series has been designed to assembly both metric tubing and inch tubing, and they are suitable for a wide range of tube outside dimensions and wall thickness.

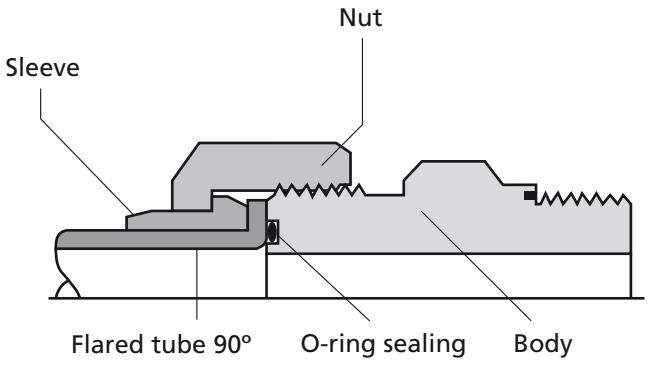
A single ORFS fitting body can match several different tube diameters, according to specifications, just by changing the sleeve or the braze-on spud.

ORFS fitting system consists of four components:

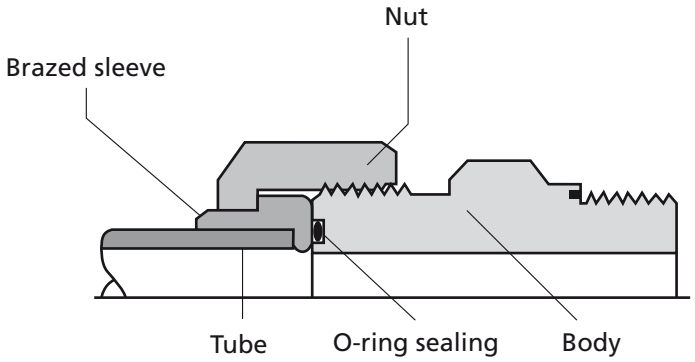
- Nut
- Sleeve
- Fitting body
- O-ring

Our programme of fittings is suitable either for 90 degree tube flanging or by brazing a spud on the tube end:

- 90 degree flaring: in this case, use a sleeve for flared tube (metric or inch), and add the rest of components of this system. With the proper machinery and tooling, make a 90 degree flanging on the tube.



- Brazing a sleeve on the tube end: in this case, braze a flat spud on the tube end. The other components will be the same.



In both cases the tube end plus the sleeve or the braze-on spud acts as a reinforced point to provide higher vibration and impulse resistance.

There is a wide range of different body shapes to choose from, with straights, elbows and tees; all of them available to fit to more common standard thread ports. The complete ORFS series can be assemblied with rigid tube (90º flaring or brazing) as well as with high pressure flexible hose.

Complementary to this series, it is available a complete range of hose fittings on standard, multiespiral and interlock series.

The same body suits different kinds of assembling to hydraulic circuits.

DESIGN AND CONSTRUCTION

Design and manufacturing of ORFS tube fittings range has been made following the dimensions and specifications of the new SAE J1453 or ISO 8434-3 standards.

As advantages of this standard we can mention:

- Reduced assembly times. When we are assembling the fitting to the tube, it is not necessary to insert the o-ring into the groove with the addition of grease or glues in order to fix it. O-ring is already in his place ready to mounting.
- Easier supplying management. The sealing o-ring is permanently a part of the connector. There is no need to add another code to the order of a fitting, to the management of inventory or when we are planning an assembly.
- Safer connections. Since it calls for no extra operations during assembling, it avoids mistakes or forgetfulnesses.
- Easier maintenance and reparation. The tube does not come into the body of the connector, allowing for zero clearance and drop-in installation of components.
- Safe with vacuum and high pressures.
- No leakages.
- Excellent overtorque characteristics. Can stand with high nut torque.
- Easy assembly. No special skills or high experience are required.
- Same fittings can fit with metric or inch tubing.
- No problem with repeated mounting and dismounting operation, changing only the o-ring when it is necessary (for aging or wearing)

MATERIALS

The ORFS Fontan tube fittings are available as standard in carbon steel and in stainless steel.

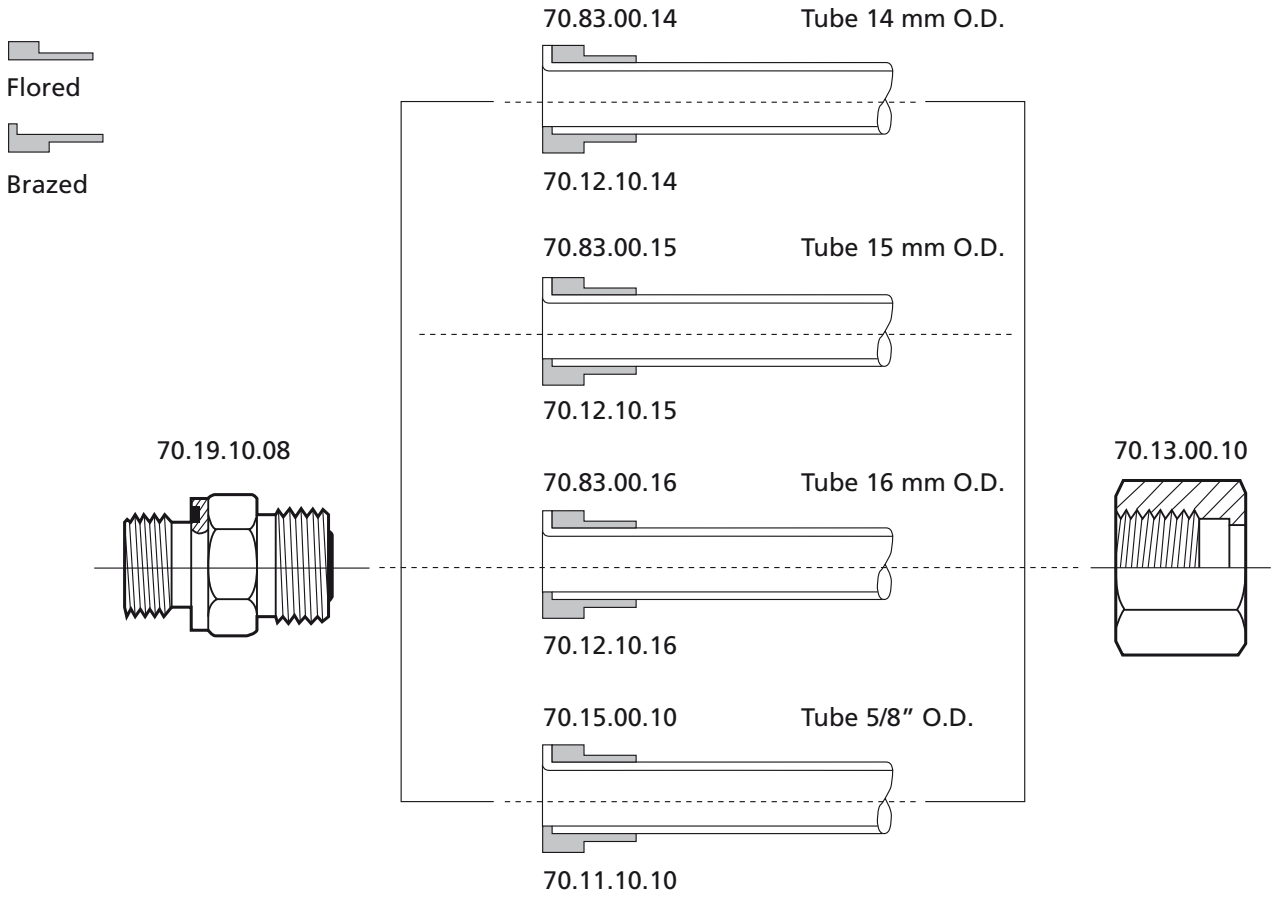
It is possible to manufacture from a wide variety of raw materials, like aluminium or brass, under request.

Please, do not hesitate to contact us for Your special inquiry.

FITTINGS FOR METRIC AND INCH TUBING

ORFS range has been designed in order to suit both metric and inch tubes simply by changing the sleeve or braze-on spud. The same connector body can be used with both types of tube.

Also, chossing between a sleeve or a brazing spud we can make assemblies by flanging or by brazing. Thanks to this characteristic we can reduce parts in inventory and increase the system flexibility.



As this example shows the same body (70.19.10.08) can be connected to different tube sizes, always using the same nut (70.13.00.10):

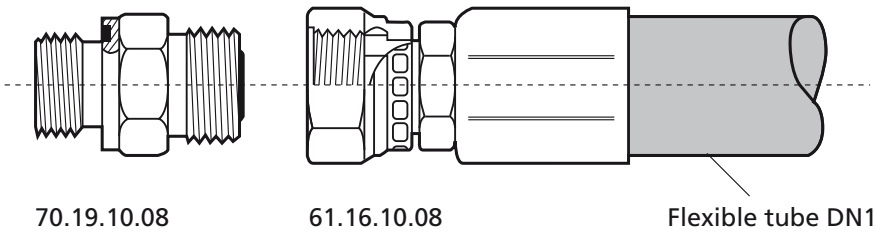
Tube of outside diameter 14mm, 15mm, 16mm or 5/8" inch.

We must settle the assembling option, 90 degree flanging or brazing, for the selected tube and ask for the reference of the appropriate sleeve or braze-on spud:

70.83.00.14, 70.83.00.15, 70.83.00.16 or 70.15.00.10 for 90° flared tube;
70.12.10.14, 70.12.10.15, 70.12.10.16 or 70.11.10.10 for tube with brazed sleeve .

Both, flanged or brazed tubing, always offer the same high level on safety, guarantee and reliability.

Fontan ORFS connectors can also be assembled with high pressure hoses, with the ORFS hose fittings (see Standard, Multiespiral and nterlock Series).



TUBE PREPARATION

When we are preparing the tube for flaring or for brazing, first of all we must follow these 5 steps:

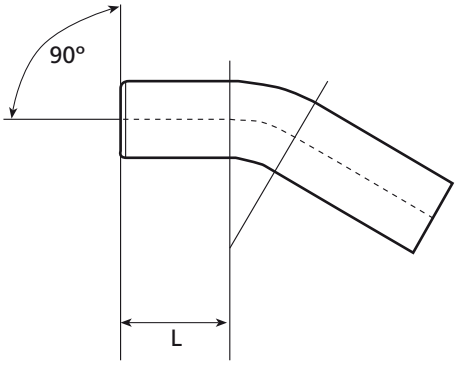
1- Check outside diameter of tube is correct.
2- Check wall thickness of tube is correct.
3- Cut the tube totally square.
4- Deburr both outside and inside diameters of the tube.
5- Clean the tube.

Then regarding the way of tube assembly selected note:

A- Flaring

The choice of this option demands that tube characteristics and process be similar to all tube flaring work:

- Tube material must have a quality such not to exfoliate or crack when flanging. Usually good results are obtained using tube steel with 21% minimum elongation.
- As shown on the drawing the end of the tube to be flared must be cut totally perpendicular to its axis.
- L figure must be respected in order to allow a correct fastening on the flanging machine using standard tooling.



Straight tube section L shall not be less than the given dimensions:	
from ø6 to 12 1/4" to 1/2"	38mm
from ø14 to 20 5/8" to 3/4"	45mm
from ø22 to 38 1" to 1 1/2"	50mm

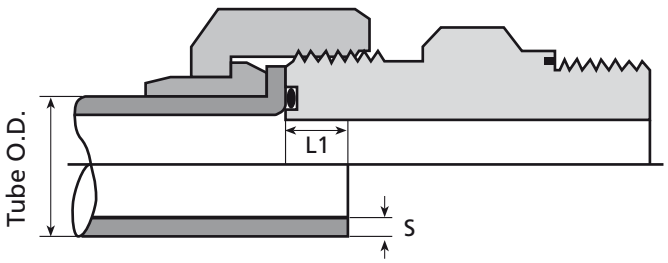
B- Brazing

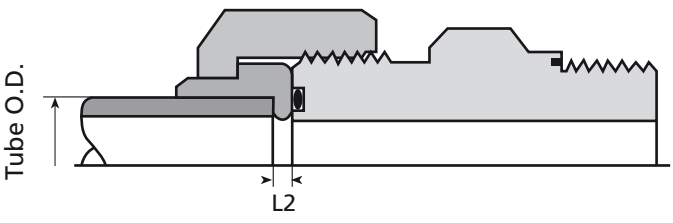
This option is compulsory when:

- straight section of the tube
- tube wall thickness do not respect the dimensions listed in the table.

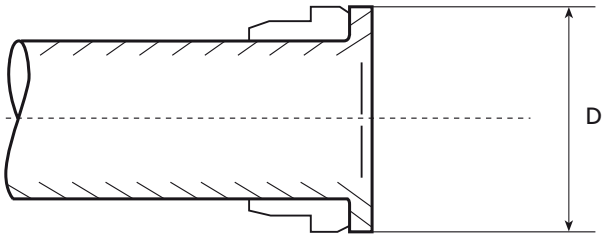
Also we can use this option always we decide with the same guarantee, safety and reliability on the hydraulic system.

The tables below show different outside tube diameters and wall thickness. In order to calculate the effective total length of the tube we must add the extra length L1 or reduce in length L2, depending on the solution selected (+L1 for flanging; -L2 for brazing a sleeve on tube end).





This table shows also the final flanging diameter D for every size of tube in order to check the correct 90 degree flaring.



Metric Tube — Inch Tube

Tube O.D. OD mm	Wall thickness S mm	L1 mm	D min mm	D max mm	L2 mm	L1 mm	Wall thickness S in	Tube O.D. OD in
6	1 1,5	4,5 5,5	12,00	12,75	1 1 1	4,6 4,9 3,8	0,028 0,035 0,049	1/4"
8	1 1,5	5,1 4,8	14,85	15,75	1 1 1		0,035 0,049 0,065	5/16"
10	1 1,5 2	2,5 3,9 3,6	14,85	15,75	1 1 1	3,6 3,6 4,0	0,035 0,049 0,065	3/8"
12	1 1,5 2 2,5	3,5 4,3 4,5	18,00	18,90	1 1 1 1	4,0 3,6 3,6	0,035 0,049 0,065	1/2"
14	1,5 2 2,5		22,20	23,45	1,5 1,5 1,5			
15	1,5 2 2,5	4,5 4,9	22,20	23,45	1,5 1,5 1,5			
16	1,5 2 2,5 3	3,0 3,2 3,3	22,20	23,45	1,5 1,5 1,5 1,5 1,5	4,0 4,0 2,7 4,4 4,2	0,049 0,065 0,083 0,095 0,120	5/8"
18	1,5 2 2,5 3	6,1 5,5	26,50	27,85	1,5 1,5 1,5 1,5			
20	2 2,5 3 3,5	3,7 3,9 4,0	26,50	27,85	1,5 1,5 1,5 1,5 1,5	4,0 4,0 3,2 2,8 4,2	0,049 0,065 0,083 0,095 0,120	3/4"
22	2 2,5 3	6,7 7,3	32,50	34,20	1,5 1,5 1,5			
25	2,5 3 4 5	4,2 4,5 4,3	32,50	34,20	1,5 1,5 1,5 1,5 1,5	3,6 3,6 2,8 4,4 4,8	0,065 0,083 0,095 0,120 0,134	1"
28	2 2,5 3	6,2 7,3	39,35	40,55	1,5 1,5 1,5			
30	2 2,5 3 4	4,9 5,2 5,3	39,35	40,55	1,5 1,5 1,5 1,5			
32	3 4	3,7 3,7	39,35	40,55	1,5 1,5 1,5	3,0 4,0 4,2	0,120 0,134 0,188	1 1/4"
35	3 4	7,1	47,25	48,50	1,5 1,5			
38	3 4	5,0 5,0	47,25	48,50	1,5 1,5 1,5	4,8 4,9 5,4	0,120 0,134 0,188	1 1/2"

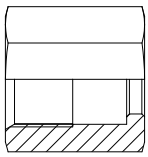
Note that there may be some small variations in L1 using stainless steel tube.

ASSEMBLY OF ORFS TUBE FITTINGS

1- Check that the correct o-ring is properly placed in the face seal o-ring groove.
2- Put the tube ready to assembly against the fitting body so that sealing flat face comes into full contact with the o-ring.
3- Thread the nut by hand and tighten it to the recommended assembly torque shown on table below:

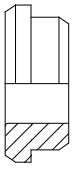
Tubo O.D.		Thread	Assembly torque +10% -0%
mm	in	(UN/UNF)	Nm
6	1/4"	9/16-18	23
8	5/16"	11/16-16	33
10	3/8"	11/16-16	33
12	1/2"	13/16-16	50
14		1 -14	80
15		1 -14	80
16	5/8"	1 -14	80
18		1 3/16-12	115
20	3/4"	1 3/16-12	115
22		1 7/16-12	150
25	1"	1 7/16-12	150
28		1 11/16-12	190
30		1 11/16-12	190
32	1 1/4"	1 11/16-12	190
35		2 -12	245
38	1 1/2"	2 -12	245

Notes:
- Assembly torques shown on the table are for non-lubricated carbon steel zinc plated parts.
- For stainless steel fittings, lubricate all mating surfaces and tighten to upper torque tolerance.
- These recommended assembly torques are for ORFS connections which all components are manufactured by Fontan Racorería, S.A.



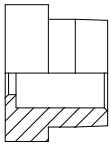
70.13 Pag. 1

TUERCA ORFS
ORFS NUT
ECROU
UBERWURFMUTTER
DADO



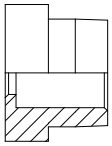
70.15 Pag. 1

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



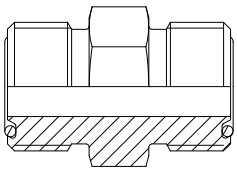
70.11 Pag. 1

FÉRULA PARA SOLDAR PARA TUBO EN PULGADAS
ORFS BRAZING SLEEVE FOR INCH TUBING
FOURREAU À SOUDER: TUBE POUCES
ÄNSCHWEISS STÜTZHÜLSE: ZÖLLIGES ROHR
BUSSOLA SALDABILE: TUBO POLLICI



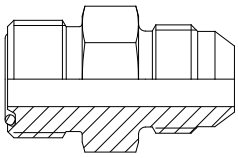
70.12 Pag. 2

FÉRULA PARA SOLDAR PARA TUBO MÉTRICO
ORFS BRAZING SLEEVE FOR METRIC TUBING
FOURREAU À SOUDER: TUBE METRIQUE
ANSCHWEISS STÜTZHÜLSE: METRISCH ROHR
BUSSOLA SALDABILE: TUBO METRICO



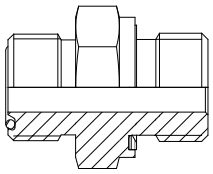
70.17 Pag. 2

EMPALME TUBO-TUBO ORFS
ORFS STRAIGHT UNION
UNION DROIT
GERADE VERSCHRAUBUNG
UNIONE DIRITTA



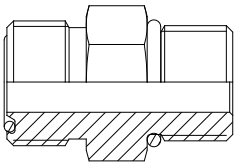
70.18 Pag. 2

EMPALME TUBO-TUBO ORFS/JIC 37º
MALE ADAPTER ORFS/JIC 37º
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



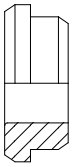
70.19 Pag. 3

EMPALME MACHO ORFS-GAS (BSPP)
MALE CONNECTOR ORFS-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)



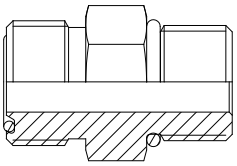
70.21 Pag. 4

EMPALME MACHO ORFS-UNF 2A
MALE ADAPTER ORFS-UNF 2A
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



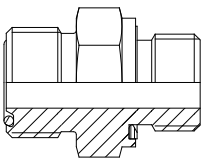
70.83 Pag. 4

FÉRULA: TUBO MÉTRICO
SLEEVE FOR METRIC TUBING
FOURREAU À SOUDER: TUBE METRIQUE
STÜTZHÜLSE: METRISCHE ROHR
BUSSOLA: TUBO METRICO



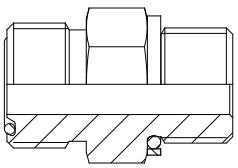
70.23 Pag. 5

EMPALME MACHO ORFS-MÉTRICO ISO 6149
MALE ADAPTER ORFS-METRIC ISO 6149
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ISO 6149
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ISO 6149
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ISO 6149



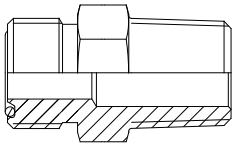
70.23 ED Pag. 5

EMPALME MACHO ORFS-MÉTRICO ED
MALE CONNECTOR ORFS-METRIC ED SEAL
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ED
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ED
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ED

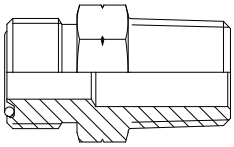


71.23 Pag. 6

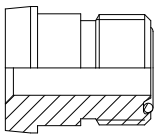
EMPALME MACHO ORFS-MÉTRICO DIN 3852
MALE CONNECTOR ORFS-METRIC DIN 3852
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE DIN 3852
GERADE EINSCHRAUB METRISCH-ZILINDRISCH DIN 3852
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO DIN 3852



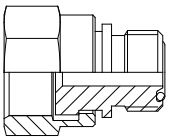
EMPALME MACHO ORFS-NPTF
MALE ADAPTER ORFS-NPTF
TERMINAL DROIT MÂLE NPTF
GERADE EINSCHRAUB NPTF
TERMINALE DIRITTO MASCHIO NPTF



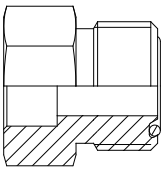
EMPALME MACHO ORFS-BSPT. (GAS CÓNICO)
MALE CONNECTOR ORFS-B.S.P. (Tapered)
TERMINAL DROIT MÂLE BSPT (GAS CONIQUE)
GERADE EINSCHRAUB BSPT (WHITWORTH-ROHRGEWINDE KEGELIG)
TERMINALE DIRITTO MASCHIO BSPT (GAS CONICO)



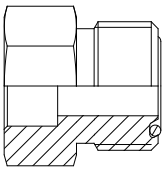
REDUCTOR TUBO-TUBO ORFS
ORFS TUBE REDUCER
UNION DROIT DE REDUCTION
GERADE VERSCHRAUBUNG REDUZIERUNG
UNIONE DIRITTA RIDOTTA



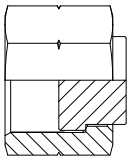
REDUCTOR TUBO-TUBO ORFS
ORFS TUBE REDUCER
UNION DROIT DE REDUCTION
GERADE VERSCHRAUBUNG REDUZIERUNG
UNIONE DIRITTA RIDOTTA



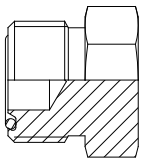
ADAPTADOR SOLDABLE MACHO ORFS-TUBO PULGADAS
ORFS MALE BRAZE ADAPTOR-INCH TUBE
ADAPTEUR MÂLE À SOUDER-TUBE POUCES
GERADE ANSCHWEISS VERSCHRAUBUNG-ZÖLLIGES ROHR
UNIONE DIRITTA MASCHIO SALDABILE-TUBO POLLICI



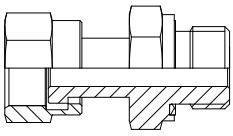
ADAPTADOR SOLDABLE MACHO ORFS-TUBO MÉTRICO
ORFS MALE BRAZE ADAPTOR-METRIC TUBE
ADAPTEUR MÂLE À SOUDER-TUBE METRIQUE
GERADE ANSCHWEISS VERSCHRAUBUNG-METRISCHES ROHR
UNIONE DIRITTA MASCHIO SALDABILE-TUBO METRICO



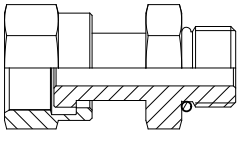
TAPÓN TUERCA CIEGA ORFS
ORFS FITTING BODY CAP
OBTURATEUR POUR RACCORD
VERSCHLUSSBOLZEN
TAPPO PER RACCORDO



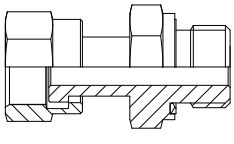
TAPÓN MACHO ORFS
ORFS TUBE PLUG
OBTURATEUR POUR TUBE
ROHRVESCHLUSS
TAPPO PER TUBO



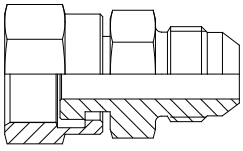
ADAPTADOR MACHO GAS (BSPP)-TL ORFS
SWIVEL NUT ORFS-MALE CONNECTOR BSPP (B.S.P. PARALLEL)
ADAPTATEUR MÂLE BSPP (GAS CYLINDRIQUE) AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER BSPP (B.S.P. ZYLINDRISCH) MIT DREHMUTTERN OPRFS
ADATTATORE MASCHIO BSPP (GAS CILINDRICO) CON DADO GIREVOLE ORFS



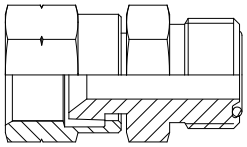
ADAPTADOR TL ORFS-MACHO MÉTRICO ISO 6149
SWIVEL NUT ORFS-MALE CONNECTOR METRIC ISO 6149
ADAPTATEUR MÂLE METRIQUE CILINDRIQUE ISO 6149 AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER METRISCH ZYLINDRISCH ISO 6149 MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO METRICO CILINDRICO ISO 6149 CON DADO GIREVOLE ORFS



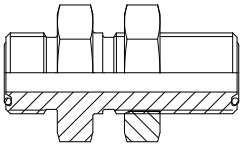
ADAPTADOR TL ORFS-MACHO MÉTRICO DIN 3852
SWIVEL NUT ORFS-MALE CONNECTOR METRIC DIN 3852
ADAPTATEUR MÂLE METRIQUE CILINDRIQUE DIN 3852 AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER METRISCH ZYLINDRISCH DIN 3852 MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO METRICO CILINDRICO DIN 3852 CON DADO GIREVOLE ORFS



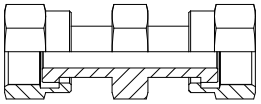
ADAPTADOR TL ORFS-MF JIC 37º
MALE STUD ADAPTOR JIC 37º WITH ROTARY NUT ORFS
ADAPTEUR MALE JIC 37º AVEC ECROU PIVOTANT ORFS
EINSCHRAUADAPTER JIC 37º MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO JIC 37º CON DADO GIREVOLE ORFS



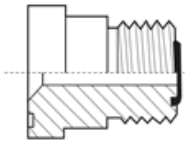
ADAPTADOR MACHO ORFS-TL JIC 37º
ADAPTOR MALE ORFS-SWIVEL NUT JIC 37º
ADAPTEUR MÂLE ORFS ECROU PIVOTANT JIC
EINSCHRAUBADAPTER ORFS MIT DREHMUTTERN JIC
ADATTATORE MASCHIO ORFS CON DADO GIREVOLE JIC



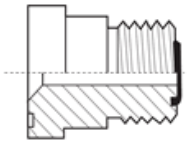
PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION
UNION TRAVERSÉE DROITE
GERADE SCHOTTVERSCHRAUBUNG
UNIONE PASSAPARATIA DIRITTA



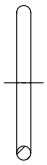
ADAPTADOR DOBLE TUERCA ORFS
ORFS TWIN SWIVEL NUT ADAPTOR
ADAPTATEUR FEMELLE/FEMELLE ECROU PIVOTANT
ADAPTER MUTTERSETTING MIT DREHMUTTER
ADATTATORE DIRITTO FEMMINA/FEMMINA DADO GIREVOLE



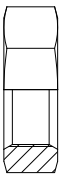
ADAPTADOR MACHO ORFS-PLATINA SAE 3000 PSI
ORFS MALE ADAPTOR-SAE 3000 PSI FLANGE
ADAPTATEUR BRIDE
FLANSCHADAPTER
ADATTATORE FLANGIA



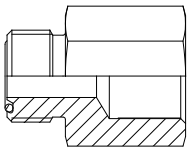
ADAPTADOR MACHO ORFS-PLATINA SAE 6000 PSI
ORFS MALE ADAPTOR -SAE 6000 PSI FLANGE
ADAPTATEUR BRIDE
FLANSCHADAPTER
ADATTATORE FLANGIA



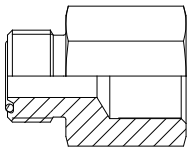
JUNTA TÓRICA
O-RING
JOINIT
DICHTUNG
GUARNIZIONE



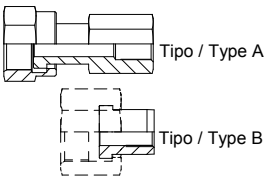
TUERCA PASATABIQUES
BULKHEAD NUT
CONTRE-ÉCROU
GEGENMUTTERN
CONTRODADO



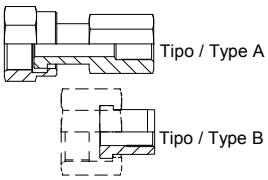
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF GAS (BSPP)
ORFS PRESSURE GAUGE FITTING-BSPP
TERMINAL DROIT MÂLE FEMELLE BSPP(UNION POUR MANOMÈTRE/PRISE DE PRESSION)
GERADE AUFSCHRAUB BSPP(MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
TERMINALE DIRITTO FEMMINA BSPP (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



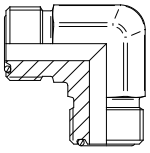
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF MÉTRICO ISO 6149
ORFS PRESSURE GAUGE FITTING-METRIC ISO 6149
TERMINAL DROIT MÂLE FEMELLE METRIQUE ISO 6149(UNION POUR MANOMÈTRE/PRISE DE PRESSION)
GERADE AUFSCHRAUB METRISCH ISO 6149 (MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
TERMINALE DIRITTO FEMMINA METRICO CILINDRICO ISO 6149 (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



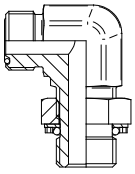
RACOR P/TOMA PRESIÓN TL ORFS-HF BSPP
ORFS TEST POINT-BSPP
TERMINAL DROIT ECROU PIVOTANT FEMELLE BSPP(UNION POUR MANOMÉTRE/PRISE DE PRESSION)
EINSCHRAUBADAPTER BSPP MIT DREHMUTTER ORFS(MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
ADATTATORE FAMMINA BSPP CON DADO GIREVOLE ORFS (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



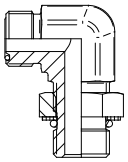
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF MÉTRICO DIN 3852
ORFS TEST POINT-METRIC DIN 3852



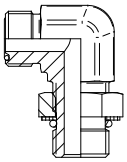
CODO 90º TUBO-TUBO ORFS
ORFS UNION 90º ELBOW
UNION COUDE 90º
WINKELVERSCHRAUBUNG 90º
UNIONE GOMITO 90º



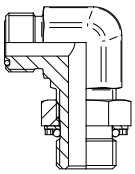
CODO 90º ORIENTABLE ORFS-GAS (BSPP)
90º MALE ELBOW ORFS-BSPP (B.S.P. PARALLEL)
COUDE MÂLE 90º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVESCHRAUBUNG 90º BSPP
GOMITO MASCHIO 90º BSPP (GAS CILINDRICO)



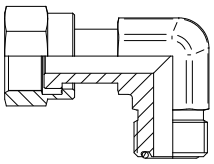
CODO 90º ORIENTABLE ORFS-UNF 2A
90º MALE ELBOW ORFS-UNF 2A
COUDE MÂLE 90º UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 90º UNF 2A
GOMITO MASCHIO 90º UNF 2A



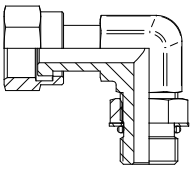
CODO 90º ORIENTABLE ORFS-MÉTRICO ISO 6149
90º MALE ELBOW ORFS-METRIC ISO 6149
COUDE MÂLE 90º CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 90º METRISCH ISO 6149
GOMITO MASCHIO 90º METRICO CILINDRICO ISO 6149



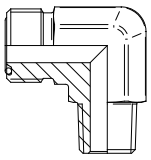
CODO 90º ORIENTABLE ORFS-MÉTRICO DIN 3852
90º MALE ELBOW ORFS-METRIC DIN 3852
COUDE MÂLE 90º CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVESCHRAUBUNG 90º METRISCH DIN 3852
GOMITO MASCHIO 90º METRICO CILINDRICO DIN 3852



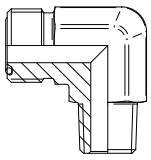
CODO 90º MACHO-TUERCA LOCA ORFS
90º ORFS SWIVEL NUT ELBOW MALE
COUDE MÂLE 90º AVEC ECROU PIVOTANT
WINKEL EINSCHRAUB-VERSCHRAUBUNGEN 90º MIT DREHMUTTERN
GOMITO 90º MASCHIO CON DADO GIREVOLE



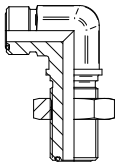
CODO 90º TUERCA LOCA ORFS-ORIENTABLE UNF 2A
90º MALE SWIVEL NUT RUN ELBOW ORFS-UNF 2A
COUDE ORIENTABLE AVEC ECROU PIVOTANT UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 90º MIT DREHMUTTER UNF 2A
UNIONE GOMITO 90º CON DADO GIREVOLE UNF 2A



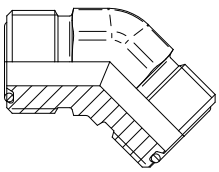
CODO 90º MACHO ORFS-NPTF
90º MALE ELBOW ORFS-NPTF
COUDE MÂLE 90º NPTF
WINKELEINSCHRAUBVERSCHRAUBUNG 90º NPTF
GOMITO MASCHIO 90º NPTF



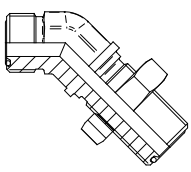
CODO 90º MACHO ORFS-BSPT. (GAS CÓNICO)
90º MALE ELBOW ORFS-BSPT. (B.S.P. Tapered)
COUDE MÂLE 90º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVESCHRAUBUNG 90º BSPT
GOMITO MASCHIO 90º BSPT (GAS CONICO)



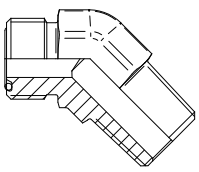
CODO 90º PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION 90º ELBOW
UNION TRAVERSÉE COUDE 90º
WINKELSCHOTTVERSCHRAUBUNG 90º
UNIONE PASSAPARATIA GOMITO 90º



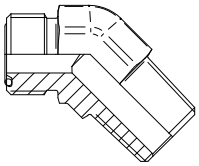
CODO 45º TUBO-TUBO ORFS
UNION 45º ORFS ELBOW
UNION COUDE 90º
WINKELVERSCHRAUBUNG 90º
UNIONE GOMITO 90º



CODO 45º PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION 45º ELBOW
UNION TRAVERSÉE COUDE 45º
WINKELSCHOTTVERSCHRAUBUNG 45º
UNIONE PASSAPARATIA GOMITO 45º



CODO 45º MACHO ORFS-NPTF
45º MALE ELBOW ORFS-NPTF
COUDE MÂLE 45º NPTF
WINKELEINSCHRAUBVERSCHRAUBUNG 45º NPTF
GOMITO MASCHIO 45º NPTF



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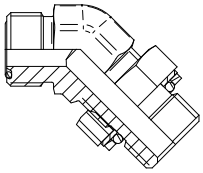
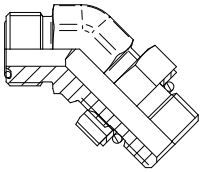
CODO 45º MACHO ORFS-BSPT. (GAS CÓNICO)
45º MALE ELBOW ORFS-BSPT. (B.S.P. Tapered)
COUDE MÂLE 45º BSPT (GAZ CONIQUE)
WINKELEINSCHRAUBVERSCHRAUBUNG 45º BSPT (WHITWORTH- ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 45º BSPT (GAS CONICO)



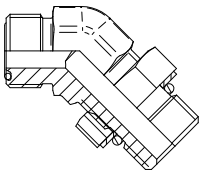
74.45 Pag. 20

CODO 45º ORIENTABLE ORFS-GAS (BSPP)
45º MALE ELBOW ORFS-BSPP (B.S.P. PARALLEL)
COUDE MÂLE 45º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVERSCHRAUBUNG 45º BSPP (B.S.P. ZYLINDRISCH)
GOMITO MASCHIO 45º BSPP (GAS CILINDRICO)



74.46 Pag. 21

CODO 45º ORIENTABLE ORFS-UNF 2A
45º MALE ELBOW ORFS-UNF 2A
COUDE MÂLE 45º UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 45º UNF 2A
GOMITO MASCHIO 45º UNF 2A



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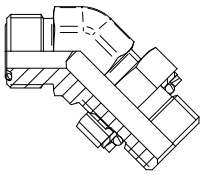
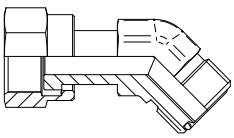
CODO 45º ORIENTABLE ORFS-MÉTRICO ISO 6149
45º MALE ELBOW ORFS-METRIC ISO 6149
COUDE MÂLE 45º CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 45º METRISCH ISO 6149
GOMITO MASCHIO 45º METRICO CILINDRICO ISO 6149



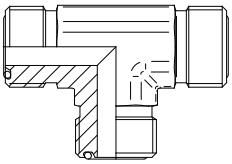
74.48 Pag. 22

CODO 45º ORIENTABLE ORFS-MÉTRICO DIN 3852
45º MALE ELBOW ORFS-METRIC DIN 3852
COUDE MÂLE 45º CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVESCHRAUBUNG 45º METRISCH DIN 3852
GOMITO MASCHIO 45º METRICO CILINDRICO DIN 3852



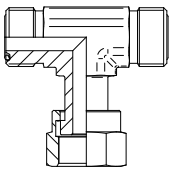
74.49 Pag. 22

CODO 45º MACHO-TUERCA LOCA ORFS
45º MALE ELBOW ORFS-SWIVEL NUT
UNION COUDE 45º AVEC ECROU PIVOTANT
WINKELVERSCHRAUBUNG 45º MIT DREHMUTTER
UNIONE GOMITO 45º CON DADO GIREVOLE



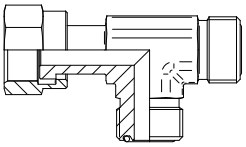
74.51 Pag. 23

TE TUBO-TUBO ORFS
ORFS EQUAL TEES
UNION "T"
T-VERSCHRAUBUNG
UNIONE A "T"



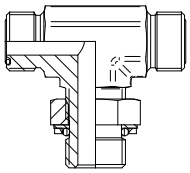
74.55 Pag. 23

TE MACHO-TUERCA LOCA CENTRAL ORFS
SWIVEL NUT BRANCH TEE-ORFS
"T" DE LIGNE AVEC ECROU PIVOTANT
LINIEN-T MIT DREHMUTTER
"T" DI LINEA CON DADO GIREVOLE



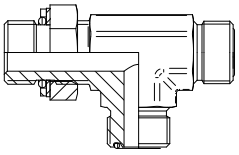
74.59 Pag. 23

TE MACHO-TUERCA LOCA LATERAL ORFS
SWIVEL NUT RUN TEE-ORFS
"T" DE DÉRIVATION AVEC ECROU PIVOTANT
ABLEITUNG "T" MIT DREHMUTTER
"T" DI DERIVAZIONE CON DADO GIREVOLE



74.61 Pag. 24

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



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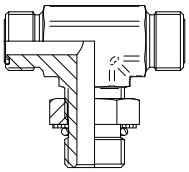
TE ORIENTABLE LATERAL ORFS-GAS (BSPP)
MALE RUN TEE ORFS-BSPP (B.S.P. PARALLEL)
"T" DE DERIVATION MÂLE BSPP
ABLEITUNG T BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI DERIVAZIONE BSPP (GAS CILINDRICO)



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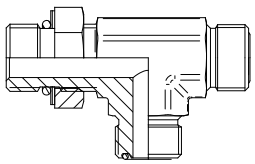
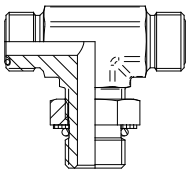
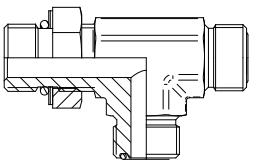
TE ORIENTABLE CENTRAL ORFS-UNF 2A
MALE BRANCH TEE ORFS-UNF 2A.Adjustable
"T" DE LIGNE MÂLE UNF 2A
ABLEITUNG "T" UNF 2A
"T" MASCHIO DI DERIVAZIONE UNF 2A



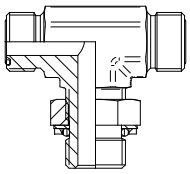
TE ORIENTABLE LATERAL ORFS-UNF 2A
MALE RUN TEE ORFS-UNF 2A. Adjustable
"T" DE DERIVATION MÂLE UNF 2A
ABLEITUNG "T" UNF 2A
"T" MASCHIO DI DERIVAZIONE UNF 2A



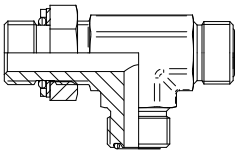
TE ORIENTABLE CENTRAL ORFS-MÉTRICO ISO 6149
MALE BRANCH TEE ORFS-METRIC ISO 6149. Adjustable
"T" MÂLE DE LIGNE METRIQUE ISO 6149
LINIEN EINSCHRAUB T METRISCH ISO 6149
"T" MASCHIO DI LINEA METRICO ISO 6149



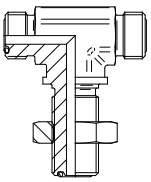
TE ORIENTABLE LATERAL ORFS-MÉTRICO ISO 6149
MALE RUN TEE ORFS-METRIC ISO 6149.Adjustable
"T" DE DERIVATION MÂLE METRIQUE ISO 6149
ABLEITUNG "T" METRISCH ISO 6149
"T" MASCHIO DI DERIVAZIONE METRICO ISO 6149



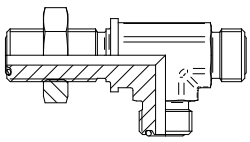
TE ORIENTABLE CENTRAL ORFS-MÉTRICO DIN 3852
MALE BRANCH TEE ORFS-METRIC DIN 3852. Adjustable
"T" DE LIGNE MÂLE METRIQUE DIN 3852
LINIEN EINSCHRAUB T METRISCH DIN 3852
"T" MASCHIO DI LINEA METRICO DIN 3852



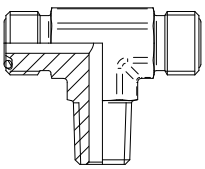
TE ORIENTABLE LATERAL ORFS-MÉTRICO DIN 3852
MALE RUN TEE ORFS-METRIC DIN 3852.Adjustable
"T" DE DERIVATION MÂLE METRIQUE DIN 3852
ABLEITUNG "T" METRISCH DIN 3852
"T" DI DERIVAZIONI MASCHIO METRICO DIN 3852



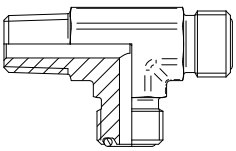
TE PASATABIQUES CENTRAL TUBO-TUBO ORFS
ORFS BULKHEAD BRANCH TEE



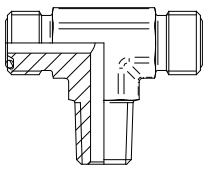
TE PASATABIQUES LATERAL TUBO-TUBO ORFS
ORFS BULKHEAD RUN TEE



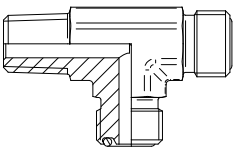
TE MACHO ORFS-MF NPTF CENTRAL
MALE BRANCH TEE ORFS-NPTF
"T" MÂLE DE LIGNE NPT
LINIEN EINSCHRAUB T NPTF
"T" MASCHIO DI LINEA NPT



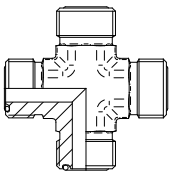
TE MACHO ORFS-MF NPTF LATERAL
MALE RUN TEE ORFS-NPTF
"T" DE DERIVATION MÂLE NPT
ABLEITUNG "T" NPT
"T" MASCHIO DI DERIVAZIONE NPT



TE MACHO ORFS-MF BSPT CENTRAL. (GAS CÓNICO)
MALE BRANCH TEE ORFS-BSPT. (B.S.P. Tapered)
"T" MÂLE DE LIGNE BSPT (GAZ CONIQUE)
LINIEN EINSCHRAUB T BSPT (WITHWORTH-ROHRGEWINDE KEGELIG)
"T" MASCHIO DI LINEA BSPT (GAS CONICO)



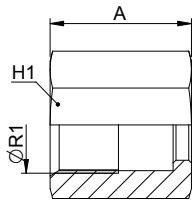
TE MACHO ORFS-MF BSPT LATERAL. (GAS CÓNICO)
MALE RUN TEE ORFS-BSPT. (B.S.P. Tapered)
"T" DE DERIVATION MÂLE BSPT (GAZ CONIQUE)
ABLEITUNG "T" BSPT (WITHWORTH-ROHRGEWINDE KEGELIG)
"T" DI DERIVAZIONI MASCHIO BSPT (GAS CONICO)



UNIÓN CRUZ TUBO-TUBO ORFS
UNION ORFS CROSS
ADAPTEUR CROIX MÂLE
KREUZADAPTER STUTZEN
RACCORDI INTERMEDI A CROCE MASCHIO

70.13

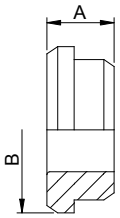
TUERCA ORFS
ORFS NUT
ECROU
UBERWURFMUTTER
DADO



Ref.	A	H1	ØR1
70.13.00.04	15	17	9/16
70.13.00.06	17	22	11/16
70.13.00.08	20	24	13/16
70.13.00.10	24	30	1
70.13.00.12	26,5	36	1.3/16
70.13.00.16	27,5	41	1.7/16
70.13.00.20	27,5	50	1.11/16
70.13.00.24	27,5	60	2

70.15

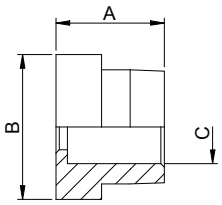
FÉRULA: TUBO PULGADAS
BUSH: INCHES TUBE
FOURREAU: TUBE POUCES
STÜTZHÜLSE: ZÖLLIGES ROHR
BUSSOLA: TUBO POLLICI



Ref.	A	B
70.15.00.04	7,5	12,75
70.15.00.05	8,5	15,75
70.15.00.06	10,5	18,9
70.15.00.08	10,5	23,4
70.15.00.10	12	27,8
70.15.00.12	13,5	34
70.15.00.16	13,5	34,2
70.15.00.20	12,9	40,5
70.15.00.24	12,9	48,4

70.11

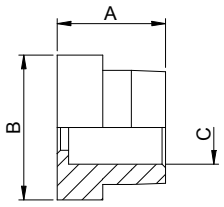
FÉRULA PARA SOLDAR PARA TUBO EN PULGADAS
ORFS BRAZING SLEEVE FOR INCH TUBING
FOURREAU À SOUDER: TUBE POUCES
ÄNSCHWEISS STÜTZHÜLSE: ZÖLLIGES ROHR
BUSSOLA SALDABILE: TUBO POLLICI



Ref.	A	B	C
70.11.04.04	9,5	12,7	1/4
70.11.06.05	9,5	15,7	5/16
70.11.06.06	9,5	15,7	3/8
70.11.08.06	12	18,7	9,6
70.11.08.08	9,5	18,9	1/2
70.11.10.10	10,5	23,4	5/8
70.11.12.12	14	27,8	3/4
70.11.16.16	15,5	34,2	1
70.11.20.20	15,5	40,56	1.1/4
70.11.24.24	15,5	48,4	1.1/2

70.12

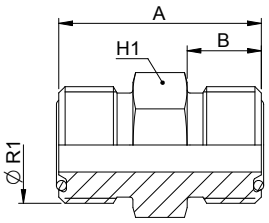
FÉRULA PARA SOLDAR PARA TUBO MÉTRICO
ORFS BRAZING SLEEVE FOR METRIC TUBING
FOURREAU À SOUDER: TUBE METRIQUE
ANSCHWEISS STÜTZHÜLSE: METRISCH ROHR
BUSSOLA SALDABILE: TUBO METRICO



Ref.	A	B	C
70.12.04.06	9,5	12,7	6
70.12.06.08	9,5	15,7	8
70.12.06.10	9,5	15,7	10
70.12.08.12	9,5	18,9	12
70.12.10.14	10,5	23,4	14
70.12.10.15	10,5	23,4	15
70.12.10.16	10,5	23,4	16
70.12.12.18	14	27,8	18
70.12.12.20	14	27,8	20
70.12.16.22	15,5	34,2	22
70.12.16.25	15,5	34,2	25
70.12.20.28	15,5	40,56	30
70.12.20.30	15,5	40,56	32
70.12.20.32	15,5	40,56	32
70.12.24.35	15,5	48,4	35
70.12.24.38	15,5	48,4	38

70.17

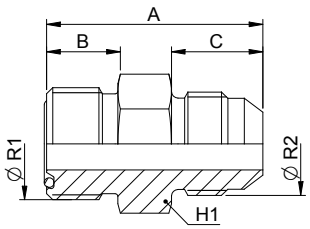
EMPALME TUBO-TUBO ORFS
ORFS STRAIGHT UNION
UNION DROIT
GERADE VERSCHRAUBUNG
UNIONE DIRITTA



Ref.	A	B	H1	ØR1
70.17.00.04	27,5	10	17	9/16
70.17.00.06	31	11	19	11/16
70.17.08.06	34		22	
70.17.00.08	35,5	13	22	13/16
70.17.10.08	39,5		27	
70.17.00.10	42,5	15,5	27	1
70.17.00.12	47	17	32	1.3/16
70.17.00.16	49,5	17,5	41	1.7/16
70.17.00.20	51,5	17,5	46	1.11/16
70.17.00.24	53	17,5	55	2

70.18

EMPALME TUBO-TUBO ORFS/JIC 37º
MALE ADAPTER ORFS/JIC 37º
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



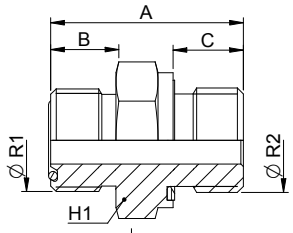
Ref.	A	B	C	H1	ØR1	ØR2
70.18.04.04	32	10	14	17	9/16	7/16
70.18.06.06	34	11	14,1	19	11/16	9/16

Continua >

Ref.	A	B	C	H1	ØR1	ØR2
70.18.08.08	39,5	13	16,7	22	13/16	3/4
70.18.10.10	46,5	15,5	19,3	27	1	7/8
70.18.12.12	52	17	21,9	32	1.3/16	1.1/16
70.18.16.16	55	17,5	23,1	41	1.7/16	1.5/16
70.18.20.20	58	17,5	24,3	46	1.11/16	1.5/8
70.18.24.24	63	17,5	27,5	55	2	1.7/8

70.19

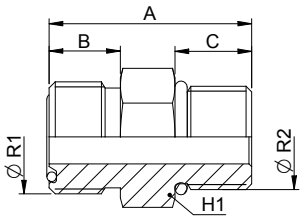
EMPALME MACHO ORFS-GAS (BSPP)
MALE CONNECTOR ORFS-BSPP (B.S.P. PARALLEL)
TERMINAL DROIT MÂLE BSPP (GAS CYLINDRIQUE)
GERADE EINSCHRAUB BSPP (B.S.P.P ZYLINDRISCH)
TERMINALE DIRITTO MASCHIO BSPP (GAS CILINDRICO)



Ref.	A	B	C	H1	ØR1	ØR2
70.19.04.02	25	10	7,7	17	9/16	1/8
70.19.04.04	30	10	11,2	19	9/16	1/4
70.19.04.06	31	10	11,2	22	9/16	3/8
70.19.04.08	35,4	10	14,7	27	9/16	1/2
70.19.06.02	31,1	11	7,7	19	11/16	1/8
70.19.06.04	31,5	11	11,2	22	11/16	1/4
70.19.06.06	32,5	11	11,2	22	11/16	3/8
70.19.06.08	36	11	14,7	27	11/16	1/2
70.19.06.12	40,3	11	14,7	32	11/16	3/4
70.19.08.04	37,5	13	11,2	22	13/16	1/4
70.19.08.06	33,5	13	11,2	22	13/16	3/8
70.19.08.08	37	13	14,7	27	13/16	1/2
70.19.08.12	41,9	13	14,7	32	13/16	3/4
70.19.10.06	36,5	15,5	11,2	27	1	3/8
70.19.10.08	39,5	15,5	14,7	27	1	1/2
70.19.10.12	43,5	15,5	14,7	32	1	3/4
70.19.10.16	47,5	15,5	18,7	41	1	1
70.19.12.08	43	17	14,7	32	1.3/16	1/2
70.19.12.12	45	17	14,7	32	1.3/16	3/4
70.19.12.16	47,5	17	18,7	41	1.3/16	1
70.19.12.20	51,5	17	18,7	50	1.3/16	1.1/4
70.19.16.12	46	17,5	14,7	41	1.7/16	3/4
70.19.16.16	48	17,5	14,7	41	1.7/16	1
70.19.16.20	51,5	17,5	18,7	50	1.7/16	1.1/4
70.19.16.24	57,6	17,5	25	55	1.7/16	1.1/2
70.19.20.12	49.8	17.5	19	46	1.11/16	3/4
70.19.20.16	49,5	175	18,7	46	1.11/16	1
70.19.20.20	51,5	17,5	18,7	50	1.11/16	1.1/4
70.19.20.24	55,5	17,5	18,7	55	1.11/16	1.1/2
70.19.24.24	55,5	17,5	18,7	55	2	1.1/2

70.21

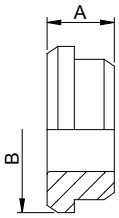
EMPALME MACHO ORFS-UNF 2A
MALE ADAPTER ORFS-UNF 2A
TERMINAL DROIT MÂLE UNF 2A
GERADE EINSCHRAUB UNF 2A
TERMINALE DIRITTO MASCHIO UNF 2A



Ref.	A	B	C	H1	ØR1	ØR2
70.21.04.04	28,7	10	10,9	17	9/16	7/16
70.21.04.06	30,5	10	12	17	9/16	9/16
70.21.04.08	33,6	10	14	22	9/16	3/4
70.21.06.04	31,9	11	10,9	19	11/16	7/16
70.21.06.06	31,9	11	12	19	11/16	9/16
70.21.06.08	35	11	14	22	11/16	3/4
70.21.06.10	38,8	11	16	27	11/16	7/8
70.21.08.06	37,5	13	12	22	13/16	9/16
70.21.08.08	36,6	13	14	22	13/16	3/4
70.21.08.10	40,4	13	16	27	13/16	7/8
70.21.08.12	44,4	13	1,8,5	32	13/16	1.1/16
70.21.08.16	45,6	13	18,5	38	13/16	1.5/16
70.21.10.08	45	15,5	14	27	1	3/4
70.21.10.10	43	15,5	16	27	1	7/8
70.21.10.12	47	15,5	18,5	32	1	1.1/16
70.21.12.08	48,5	17	14	32	1.3/16	3/4
70.21.12.10	48,5	17	16	32	1.3/16	7/8
70.21.12.12	48,5	17	18,4	32	1.3/16	1.1/16
70.21.12.16	50	17	18,5	38	1.3/16	1.5/16
70.21.16.12	50,5	17,5	18,6	41	1.7/16	1.1/16
70.21.16.16	50,5	17,5	18,7	41	1.7/16	1.5/16
70.21.16.20	52	17,5	18,5	46	1.7/16	1.5/8
70.21.20.16	52	17,5	18,5	46	1.11/16	1.5/16
70.21.20.20	52	17,5	18,5	46	1.11/16	1.5/8
70.21.20.24	54	17,5	18,5	55	1.11/16	1.7/8
70.21.24.20	54	17,5	18,5	55	2	1.5/8
70.21.24.24	54	17,5	18,5	55	2	1.7/8

70.83

FÉRULA: TUBO MÉTRICO
SLEEVE FOR METRIC TUBING
FOURREAU À SOUDER: TUBE METRIQUE
STÜTZHÜLSE: METRISCHE ROHR
BUSSOLA: TUBO METRICO



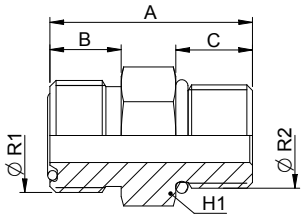
Ref.	A	B
70.83.00.06	7,5	12,75
70.83.00.08	8,5	15,75
70.83.00.10	8,5	15,75
70.83.00.12	10,5	18,9
70.83.00.14	10,5	23,4
70.83.00.15	10,5	23,4
70.83.00.16	10,5	23,4
70.83.00.18	12	27,8
70.83.00.20	14	27,8
70.83.00.22	13,5	34
70.83.00.25	13,5	34
70.83.00.28	12,9	40,5
70.83.00.30	15,5	40,5

Continua >

Ref.	A	B
70.83.00.32	12,9	40,5
70.83.00.35	12,9	48,4
70.83.00.38	12,9	48,4

70.23

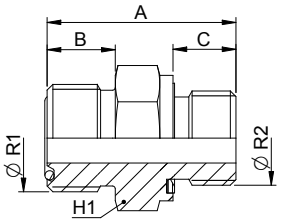
EMPALME MACHO ORFS-MÉTRICO ISO 6149
MALE ADAPTER ORFS-METRIC ISO 6149
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ISO 6149
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ISO 6149
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ISO 6149



Ref.	A	B	C	H1	ØR1	ØR2
70.23.04.12	28,7	10	11	17	9/16	12x1,5
70.23.04.14	29,5	10	11	19	9/16	14x1,5
70.23.06.12	30,5	11	11	19	11/16	12x1,5
70.23.06.14	30,5	11	11	19	11/16	14x1,5
70.23.06.16	31,9	11	12	22	11/16	16x1,5
70.23.06.18	34	11	12	24	11/16	18x1,5
70.23.08.14	35	13	11	22	13/16	14x1,5
70.23.08.16	36,5	13	12	22	13/16	16x1,5
70.23.08.18	34	13	12	24	11/16	18x1,5
70.23.08.22	38,2	13	15	27	11/16	22x1,5
70.23.10.18	39	15,5	15	27	1	18x1,5
70.23.10.22	42	15,5	15	27	1	22x1,5
70.23.12.22	42	17	15	32	1.3/16	22x1,5
70.23.12.27	48,5	17	17	32	1.3/16	27x1,5
70.23.12.33	48,5	17	18	41	1.3/16	33x2
70.23.16.33	49,8	17,5	18	41	1.7/16	33x2
70.23.20.33	52,3	17,5	18	46	1.11/16	33x2
70.23.20.42	52,8	17,5	19	50	1.11/16	42x2
70.23.24.48	57	17,5	22	55	2	48x2

70.23 ED

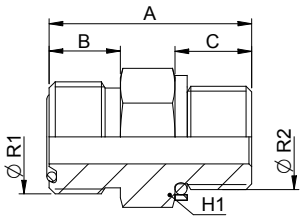
EMPALME MACHO ORFS-MÉTRICO ED
MALE CONNECTOR ORFS-METRIC ED SEAL
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE ED
GERADE EINSCHRAUB METRISCH-ZILINDRISCH ED
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO ED



Ref.	A	B	C	H1	ØR1	ØR2
70.23.04.12 ED	29,5	10	14	17	9/16	12x1,5
70.23.06.14 ED	31,5	11	14	19	11/16	14x1,5
70.23.06.16 ED	32	11	14	22	11/16	16x1,5
70.23.08.18 ED	36	13	14,5	24	13/16	18x1,5
70.23.08.22 ED	39,5	13	17	27	13/16	22x1,5
70.23.10.22 ED	42	15.5	17	27	1	22x1,5
70.23.12.22 ED	46,5	17	17	32	1.3/16	22x1,5
70.23.12.27 ED	48,5	17	19	32	1.3/16	27x2
70.23.16.33 ED	50,3	17,5	21	41	1.7/16	33x2
70.23.20.42 ED	52,8	17,5	23	50	1.11/16	42x2
70.23.24.48 ED	57	17,5	25	55	2	48x2

71.23

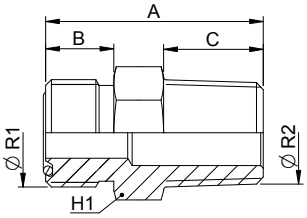
EMPALME MACHO ORFS-MÉTRICO DIN 3852
MALE CONNECTOR ORFS-METRIC DIN 3852
TERMINAL DROIT MÂLE CILINDRIQUE METRIQUE DIN 3852
GERADE EINSCHRAUB METRISCH-ZILINDRISCH DIN 3852
TERMINALE DIRITTO MASCHIO METRICO-CILINDRICO DIN 3852



Ref.	A	B	C	H1	ØR1	ØR2
71.23.04.12	28,7	10	11	17	9/16	12x1,5
71.23.04.14	29,5	10	11	19	9/16	14x1,5
71.23.06.12	30,5	11	11	19	11/16	12x1,5
71.23.06.14	30,5	11	11	19	11/16	14x1,5
71.23.06.16	31,9	11	12	22	11/16	16x1,5
71.23.06.18	34	11	12	24	11/16	18x1,5
71.23.08.14	35	13	11	22	13/16	14x1,5
71.23.08.16	36,5	13	12	22	13/16	16x1,5
71.23.08.18	34	13	12	24	13/16	18x1,5
71.23.08.22	38,2	13	15	27	13/16	22x1,5
71.23.10.18	39	15.5	15	27	1	18x1,5
71.23.10.22	42	15,5	15	27	1	22x1,5
71.23.12.22	42	17	15	32	1.3/16	22x1,5
71.23.12.27	48,5	17	17	32	1.3/16	27x1,5
71.23.12.33	48,5	17	18	41	1.3/16	33x2
71.23.16.33	49,8	17,5	18	41	1.7/16	33x2
71.23.20.33	52,3	17,5	18	46	1.11/16	33x2
71.23.20.42	52,8	17,5	19	50	1.11/16	42x2
71.23.24.48	57,5	17,5	22	55	2	48x2

70.25

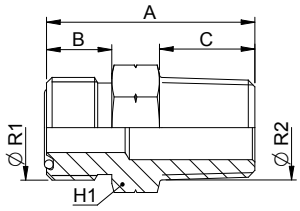
EMPALME MACHO ORFS-NPTF
MALE ADAPTER ORFS-NPTF
TERMINAL DROIT MÂLE NPTF
GERADE EINSCHRAUB NPTF
TERMINALE DIRITTO MASCHIO NPTF



Ref.	A	B	C	H1	ØR1	ØR2
70.25.04.02	27	10	9,7	17	9/16	1/8
70.25.04.04	32	10	14,2	17	9/16	1/4
70.25.04.06	33,5	10	14,2	19	9/16	3/8
70.25.06.04	33	11	14,2	19	11/16	1/4
70.25.06.06	34	11	14,5	19	11/16	3/8
70.25.06.08	39,5	11	19	22	11/16	1/2
70.25.08.06	37,5	13	14,2	22	13/16	3/8
70.25.08.08	41,5	13	19	22	13/16	1/2
70.25.08.12	43	13	19	27	13/16	3/4
70.25.10.08	45,5	15,5	19	27	1	1/2
70.25.10.12	45,5	15,5	19	27	1	3/4
70.25.12.08	49	17	19	32	1.3/16	1/2
70.25.12.12	49	17	19	32	1.3/16	3/4
70.25.12.16	54	17	23,9	36	1.3/16	1
70.25.16.12	49,5	17,5	19	41	1.7/16	3/4
70.25.16.16	55,5	17,5	23,9	41	1.7/16	1
70.25.20.20	58	17,5	24,6	46	1.11/16	1.1/4
70.25.24.24	61	17,5	25,4	55	2	1.1/2

70.26

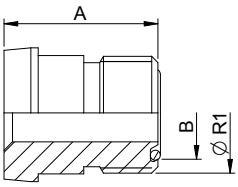
EMPALME MACHO ORFS-BSPT. (GAS CÓNICO)
MALE CONNECTOR ORFS-B.S.P. (Tapered)
TERMINAL DROIT MÂLE BSPT (GAS CONIQUE)
GERADE EINSCHRAUB BSPT (WHITWORTH-ROHRGEWINDE KEGELIG)
TERMINALE DIRITTO MASCHIO BSPT (GAS CONICO)



Ref.	A	B	C	H1	ØR1	ØR2
70.26.04.02	27	10	9.7	17	9/16	1/8
70.26.04.04	32	10	14.2	17	9/16	1/4
70.26.04.06	33.5	10	14.2	19	9/16	3/8
70.26.06.04	33	11	14.2	19	11/16	1/4
70.26.06.06	34	11	14.2	19	11/16	3/8
70.26.06.08	39.5	11	19	22	11/16	1/2
70.26.08.06	37.5	13	14.2	22	13/16	3/8
70.26.08.08	41.5	13	19	22	13/16	1/2
70.26.08.12	43	13	19	27	13/16	3/4
70.26.10.08	45.5	15.5	19	27	1	1/2
70.26.10.12	45.5	15.5	19	27	1	3/4
70.26.12.08	49	17	19	32	1.3/16	1/2
70.26.12.12	49	17	19	32	1.3/16	3/4
70.26.12.16	54	17	23.9	36	1.3/16	1
70.26.16.12	49.5	17.5	19	41	1.7/16	3/4
70.26.16.16	55.5	17.5	23.9	41	1.7/16	1
70.26.20.20	58	17.5	24.6	46	1.11/16	1.1/4
70.26.24.24	61	17.5	25.4	55	2	1.1/2

70.31 (A)

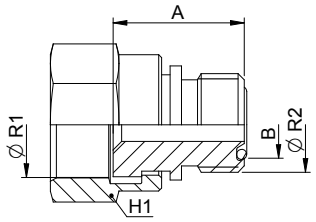
REDUCTOR TUBO-TUBO ORFS
ORFS TUBE REDUCER
UNION DROIT DE REDUCTION
GERADE VERSCHRAUBUNG REDUZIERUNG
UNIONE DIRITTA RIDOTTA



Ref.	A	B	ØR1
70.31.08.04	22,5	12	9/16
70.31.10.04	23	16	9/16
70.31.10.06	24	16	11/16
70.31.10.08	26	16	13/16
70.31.12.04	25	20	9/16
70.31.12.06	26	20	11/16
70.31.12.08	27,5	20	13/16
70.31.16.08	29	25	13/16
70.31.16.10	32	25	1
70.31.20.12	33,5	32	1.3/16
70.31.24.16	31	38	1.7/16
70.31.24.20	34,5	38	1.11/16

70.31 (B)

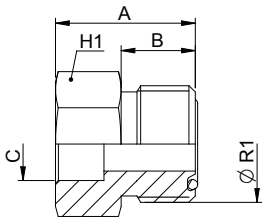
REDUCTOR TUBO-TUBO ORFS
ORFS TUBE REDUCER
UNION DROIT DE REDUCTION
GERADE VERSCHRAUBUNG REDUZIERUNG
UNIONE DIRITTA RIDOTTA



Ref.	A	B	H1	ØR1	ØR2
70.31.06.04	21.5	10	22	11/16	9/16
70.31.08.06	23	12	24	13/16	11/16
70.31.12.10	28.5	20	36	1.3/16	1
70.31.16.12	30.5	25	41	1.7/16	1.3/16
70.31.20.16	32	32	48	1.11/16	1.7/16

70.39

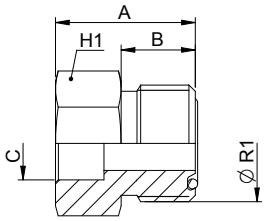
ADAPTADOR SOLDABLE MACHO ORFS-TUBO PULGADAS
ORFS MALE BRAZE ADAPTOR-INCH TUBE
ADAPTEUR MÂLE À SOUDER-TUBE POUCES
GERADE ANSCHWEISS VERSCHRAUBUNG-ZÖLLIGES ROHR
UNIONE DIRITTA MASCHIO SALDABILE-TUBO POLLICI



Ref.	A	B	C	H1	ØR1
70.39.04.04	22	10	1/4	17	9/16
70.39.06.05	23	11	5/16	19	11/16
70.39.06.06	23	11	5/8	19	11/16
70.39.08.08	24,5	13	1/2	22	13/16
70.39.10.10	27,5	15,5	5/8	27	1
70.39.12.12	33,5	17	3/4	32	13/16
70.39.16.16	38,5	17,5	1	41	1.7/16
70.39.20.20	38,5	17,5	1.1/4	46	1.11/16
70.39.24.24	38,5	17,5	1.1/2	55	2

71.39

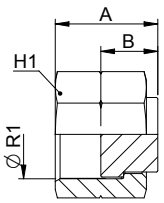
ADAPTADOR SOLDABLE MACHO ORFS-TUBO MÉTRICO
ORFS MALE BRAZE ADAPTOR-METRIC TUBE
ADAPTEUR MÂLE À SOUDER-TUBE METRIQUE
GERADE ANSCHWEISS VERSCHRAUBUNG-METRISCHES ROHR
UNIONE DIRITTA MASCHIO SALDABILE-TUBO METRICO



Ref.	A	B	C	H1	ØR1
71.39.04.06	22	10	6	17	9/16
71.39.06.08	23	11	8	19	11/16
71.39.06.10	23	11	10	19	11/16
71.39.08.12	24,5	13	12	22	13/16
71.39.10.14	27,5	15,5	14	27	1
71.39.10.15	27,5	15,5	15	27	1
71.39.10.16	27,5	15,5	16	27	1
71.39.12.18	33,5	17	18	32	1.3/16
71.39.12.20	33,5	17	20	32	1.3/16
71.39.16.22	38,5	17,5	22	41	1.7/16
71.39.16.25	38,5	17,5	25	41	1.7/16
71.39.20.28	38,5	17,5	28	46	1.11/16
71.39.20.30	38,5	17,5	30	46	1.11/16
71.39.20.32	38,5	17,5	32	46	1.11/16
71.39.24.35	38,5	17,5	35	55	2
71.39.24.38	38,5	17,5	38	55	2

70.43

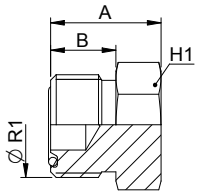
TAPÓN TUERCA CIEGA ORFS
ORFS FITTING BODY CAP
OBTURATEUR POUR RACCORD
VERSCHLUSSBOLZEN
TAPPO PER RACCORDO



Ref.	A	B	H1	ØR1
70.43.00.04	16	8,5	17	9/16
70.43.00.06	18	9,5	22	11/16
70.43.00.08	22	12	24	13/16
70.43.00.10	24.5	12	30	1
70.43.00.12	27	13,5	36	1.3/16
70.43.00.16	28.5	15	41	1.7/16
70.43.00.20	28.5	15	50	1.11/16
70.43.00.24	28.5	15	60	2

70.45

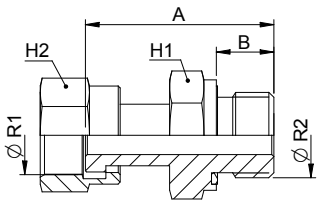
TAPÓN MACHO ORFS
ORFS TUBE PLUG
OBTURATEUR POUR TUBE
ROHRVESCHLUSS
TAPPO PER TUBO



Ref.	A	B	H1	ØR1
70.45.00.04	17	10	17	9/16
70.45.00.06	19,5	11	19	11/16
70.45.00.08	22	13	22	13/16
70.45.00.10	26	15,5	27	1
70.45.00.12	27,5	17	32	1.3/16
70.45.00.16	28	17,5	41	1.7/16
70.45.00.20	28	17,5	46	1.11/16
70.45.00.24	28	17,5	55	2

70.49

ADAPTADOR MACHO GAS (BSPP)-TL ORFS
SWIVEL NUT ORFS-MALE CONNECTOR BSPP (B.S.P. PARALLEL)
ADAPTATEUR MÂLE BSPP (GAS CYLINDRIQUE) AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER BSPP (B.S.P. ZYLINDRISCH) MIT DREHMUTTERN OPRFS
ADATTATORE MASCHIO BSPP (GAS CILINDRICO) CON DADO GIREVOLE ORFS



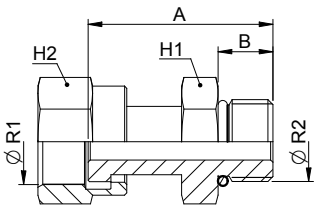
Ref.	A	B	H1	H2	ØR1	ØR2
70.49.04.02 ED	31.25	8	14	19	9/16	1/8
70.49.04.04 ED	35,75	12	19	19	9/16	1/4
70.49.06.04 ED	38.5	12	19	22	11/16	1/4
70.49.06.06 ED	40,7	12	22	22	11/16	3/8
70.49.08.04 ED	42,5	12	22	22	13/16	1/4
70.49.08.06 ED	43	12	22	22	13/16	3/8
70.49.08.08 ED	45.9	14	27	24	13/16	1/2
70.49.10.08 ED	49,1	14	27	30	1	1/2
70.49.10.12 ED	52,6	16	32	30	1	3/4
70.49.12.08 ED	52	14	30	36	1.3/16	1/2

Continua >

Ref.	A	B	H1	H2	ØR1	ØR2
70.49.12.12 ED	54,1	16	32	36	1.3/16	3/4
70.49.16.12 ED	56	16	36	41	1.7/16	3/4
70.49.16.16 ED	58,3	18	41	41	1.7/16	1
70.49.20.16 ED	59,8	18	46	50	1.11/16	1
70.49.20.20 ED	61.8	20	50	50	1.11/16	1.1/4
70.49.24.24 ED	71	22	55	60	2	1.1/2

70.48

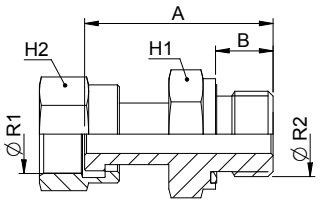
ADAPTADOR TL ORFS-MACHO MÉTRICO ISO 6149
SWIVEL NUT ORFS-MALE CONNECTOR METRIC ISO 6149
ADAPTATEUR MÂLE METRIQUE CILINDRIQUE ISO 6149
AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER METRISCH ZYLINDRISCH ISO 6149
MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO METRICO CILINDRICO ISO 6149
CON DADO GIREVOLE ORFS



Ref.	A	B	H1	H2	ØR1	ØR2
70.48.04.12	33,5	11	17	19	9/16	12x1,5
70.48.06.12	36	11	17	22	11/16	12x1,5
70.48.06.14	35,5	11	19	22	11/16	14x1,5
70.48.06.16	36,5	12	22	22	11/16	16x1,5
70.48.08.16	39	12	24	24	13/16	16x1,5
70.48.08.18	39	12	24	24	13/16	18x1,5
70.48.10.22	45,5	15	27	30	1	22x1,5
70.48.12.27	50,5	16,5	32	36	1.3/16	27x2
70.48.16.33	55,5	18,5	41	41	1.7/16	33x2
70.48.20.42	58,5	19	50	50	1.11/16	42x2
70.48.24.48	70,5	21,5	55	60	2	48x2

71.48

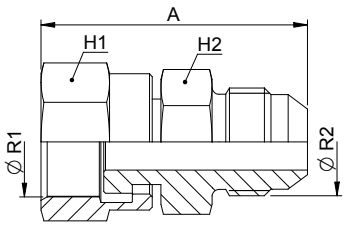
ADAPTADOR TL ORFS-MACHO MÉTRICO DIN 3852
SWIVEL NUT ORFS-MALE CONNECTOR METRIC DIN 3852
ADAPTATEUR MÂLE METRIQUE CILINDRIQUE DIN 3852
AVEC ECROU PIVOTANT ORFS
EINSCHRAUBADAPTER METRISCH ZYLINDRISCH DIN 3852
MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO METRICO CILINDRICO DIN 3852
CON DADO GIREVOLE ORFS



Ref.	A	B	H1	H2	ØR1	ØR2
71.48.04.12	33,5	11	17	19	9/16	12x1,5
71.48.06.12					11/16	12x1,5
71.48.06.14	35,5	11	19	22	11/16	14x1,5
71.48.06.16					11/16	16x1,5
71.48.08.16	39	12,5	22	24	13/16	16x1,5
71.48.08.18	39	13,5	24	24	13/16	18x1,5
71.48.10.22	45,5	15	27	30	1	22x1,5
71.48.12.27	50,5	18,5	32	36	1.3/16	27x2
71.48.16.33	55,5	18,5	41	41	1.7/16	33x2
71.48.20.42	58,5	19	50	50	1.11/16	42x2
71.48.24.48	71	21,5	55	60	2	48x2

50.50

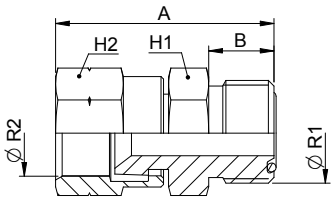
ADAPTADOR TL ORFS-MF JIC 37º
MALE STUD ADAPTOR JIC 37º WITH ROTARY NUT ORFS
ADAPTEUR MALE JIC 37º AVEC ECROU PIVOTANT ORFS
EINSCHRAUADAPTER JIC 37º MIT DREHMUTTERN ORFS
ADATTATORE MASCHIO JIC 37º CON DADO GIREVOLE ORFS



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

70.40

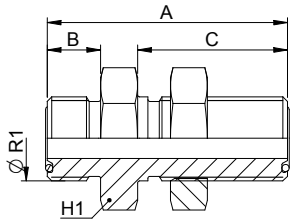
ADAPTADOR MACHO ORFS-TL JIC 37º
ADAPTOR MALE ORFS-SWIVEL NUT JIC 37º
ADAPTEUR MÂLE ORFS ECROU PIVOTANT JIC
EINSCHRAUBADAPTER ORFS MIT DREHMUTTERN JIC
ADATTATORE MASCHIO ORFS CON DADO GIREVOLE JIC



Ref.	A	B	H1	H2	ØR1	ØR2
70.40.04.04	34	10	17	16	9/16	7/16
70.40.06.06	38	11	19	19	11/16	9/16
70.40.08.08	43,5	13	22	22	13/16	3/4
70.40.10.10	50	15,5	27	27	1	7/8
70.40.12.12	54	17	32	32	1.3/16	1.1/16
70.40.16.16	61	17,5	41	38	1.7/16	1.5/16

70.53

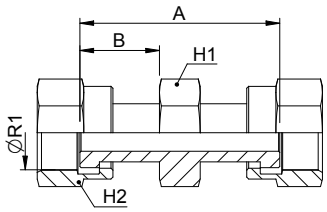
PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION
UNION TRAVERSÉE DROITE
GERADE SCHOTTVERSCHRAUBUNG
UNIONE PASSAPARATIA DIRITTA



Ref.	A	B	C	H1	ØR1
70.53.00.04	48	10	31.5	22	9/16
70.53.00.06	53	11	34	27	11/16
70.53.00.08	58,5	13	36.5	30	13/16
70.53.00.10	66,5	15,5	40.5	36	1
70.53.00.12	69	17	41.5	41	1.3/16
70.53.00.16	70	17,5	42	46	1.7/16
70.53.00.20	70	17,5	42	50	1.11/16
70.53.00.24	70	17,5	42	60	2

70.57

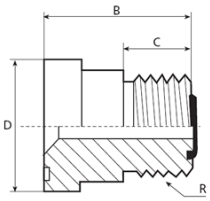
ADAPTADOR DOBLE TUERCA ORFS
ORFS TWIN SWIVEL NUT ADAPTOR
ADAPTATEUR FEMELLE/FEMELLE ECROU PIVOTANT
ADAPTER MUTTERSETTING MIT DREHMUTTER
ADATTATORE DIRITTO FEMMINA/FEMMINA DADO GIREVOLE



Ref.	A	B	H1	H2	ØR1
70.57.00.04	38,5	15,25	17	19	9/16
70.57.00.06	43	17,5	22	22	11/16
70.57.00.08	51,5	20,5	24	24	13/16
70.57.00.10	59	23,5	30	30	1
70.57.00.12	63	25	32	36	1.3/16
70.57.00.16	65	26	41	41	1.7/16
70.57.00.20	65	25,5	46	50	1.11/16
70.57.00.24	71	28	55	60	2

70.51

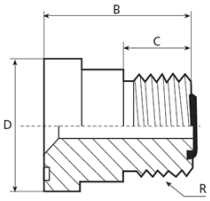
ADAPTADOR MACHO ORFS-PLATINA SAE 3000 PSI
ORFS MALE ADAPTOR-SAE 3000 PSI FLANGE
ADAPTATEUR BRIDE
FLANSCHADAPTER
ADATTATORE FLANGIA



Ref.	B	C	D	ØR
70.51.08.08	34	13	30,2	13/16
70.51.12.12	40	17	38,1	1.3/16
70.51.16.12	41,5	17,5	44,5	1.7/16
70.51.16.16	42	17,5	44,5	1.7/16
70.51.20.16	43,5	17,5	51	1.11/16
70.51.20.20	43,5	17,5	51	1.11/16
70.51.24.24	44	17,5	60	2

70.52

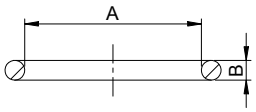
ADAPTADOR MACHO ORFS-PLATINA SAE 6000 PSI
ORFS MALE ADAPTOR -SAE 6000 PSI FLANGE
ADAPTATEUR BRIDE
FLANSCHADAPTER
ADATTATORE FLANGIA



Ref.	B	C	D	ØR
70.52.08.08	36	13	31,7	13/16
70.52.12.12	45	17	41,3	1.3/16
70.52.16.12	45,5	17,5	47,6	1.3/16
70.52.16.16	48	17,5	47,6	1.7/16
70.52.20.16	48	17,5	54	1.7/16
70.52.20.20	56	17,5	54	1.11/16
70.52.24.24	61	17,5	63,5	2

70.63

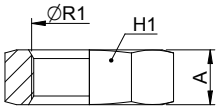
JUNTA TÓRICA
O-RING
JOINIT
DICHTUNG
GUARNIZIONE



Ref.	A	B
70.63.00.04	7.65	1.78
70.63.00.06	9.25	1.78
70.63.00.08	12.42	1.78
70.63.00.10	15.6	1.78
70.63.00.12	18.77	1.78
70.63.00.16	23.52	1.78
70.63.00.20	29.87	1.78
70.63.00.24	37.82	1.78

70.65

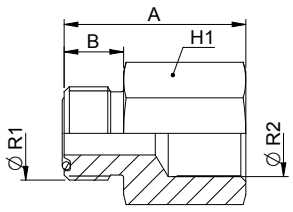
TUERCA PASATABIQUES
BULKHEAD NUT
CONTRE-ÉCROU
GEGENMUTTERN
CONTRODADO



Ref.	A	H1	ØR1
70.65.00.04	7	22	9/16
70.65.00.06	8	27	11/16
70.65.00.08	9	30	13/16
70.65.00.10	10.5	32	1
70.65.00.12	10.5	38	1.3/16
70.65.00.16	10.5	46	1.7/16
70.65.00.20	10.5	50	1.11/16
70.65.00.24	10.5	60	2

70.90

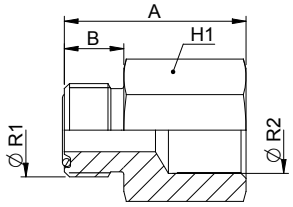
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF GAS (BSPP)
ORFS PRESSURE GAUGE FITTING-BSPP
TERMINAL DROIT MÂLE FEMELLE BSPP(UNION POUR MANOMÈTRE/PRISE DE PRESSION)
GERADE AUFSCHRAUB BSPP(MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
TERMINALE DIRITTO FEMMINA BSPP (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



Ref.	A	B	H1	ØR1	ØR2
70.90.04.04	26,8	10	17	9/16	1/4
70.90.04.08	36,8	10	27	9/16	1/2
70.90.06.04	28,2	11	19	11/16	1/4
70.90.06.08	38,2	11	27	11/16	1/2
70.90.08.04	29,8	13	22	13/16	1/4
70.90.08.08	39,8	13	27	13/16	1/2

70.90 B

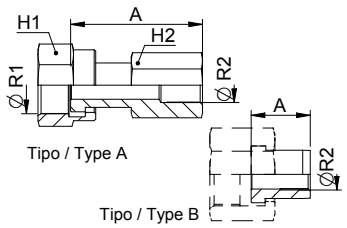
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF MÉTRICO ISO 6149
ORFS PRESSURE GAUGE FITTING-METRIC ISO 6149
TERMINAL DROIT MÂLE FEMELLE METRIQUE ISO 6149(UNION POUR MANOMÈTRE/PRISE DE PRESSION)
GERADE AUFSCHRAUB METRISCH ISO 6149 (MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
TERMINALE DIRITTO FEMMINA METRICO CILINDRICO ISO 6149 (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



Ref.	A	B	H1	ØR1	ØR2
70.90.04.14	28,8	10	19	9/16	14x1,5
70.90.06.14	30,2	11	19	11/16	14x1,5
70.90.08.14	31,8	13	22	13/16	14x1,5
70.90.10.14	34,5	15,5	27	1	14x1,5
70.90.12.14	36	17	32	1.3/16	14x1,5

70.91

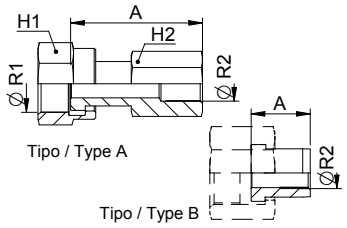
RACOR P/TOMA PRESIÓN TL ORFS-HF BSPP
ORFS TEST POINT-BSPP
TERMINAL DROIT ECROU PIVOTANT FEMELLE BSPP(UNION POUR MANOMÈTRE/PRISE DE PRESSION)
EINSCHRAUBADAPTER BSPP MIT DREHMUTTER ORFS(MANOMETER VERSCHRAUBUNGEN/ADAPTER FÜR PRÜFANSCHLUß)
ADATTATORE FAMMINA BSPP CON DADO GIREVOLE ORFS (RACCORDO PER MANOMETRO/PRESA PRESSIONE)



Ref.	A	H1	H2	ØR1	ØR2	Tipo
70.91.04.04	38,5	19	19	9/16	1/4	A
70.91.06.04	41	19	22	11/16	1/4	A
70.91.08.04	43,5	19	24	13/16	1/4	A
70.91.10.04	15,5	23,5		1	1/4	B
70.91.12.04	15,5	23,5		1.3/16	1/4	B
70.91.16.04	15,5	23,5		1.7/16	1/4	B
70.91.20.04	15,5	23,5		1.11/16	1/4	B
70.91.24.04	15,5	23,5		2	1/4	B

70.92

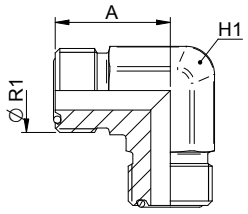
RACOR P/MANÓMETRO-TOMA PRESIÓN MF ORFS-HF MÉTRICO DIN 3852
ORFS TEST POINT-METRIC DIN 3852



Ref.	A	H1	H2	ØR1	ØR2	Type
70.92.04.10	38,5	19	19	9/16	10x1	A
70.92.06.10	41	19	22	11/16	10x1	A
70.92.08.10	43,1	19	24	13/16	10x1	A
70.92.10.10	15,5	23,5		1	10x1	B
70.92.12.10	15,5	23,5		1.3/16	10x1	B
70.92.16.10	15,5	23,5		1.7/16	10x1	B
70.92.20.10	15,5	23,5		1.11/16	10x1	B
70.92.24.10	15,5	23,5		2	10x1	B

74.01

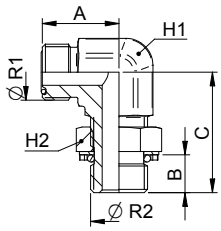
CODO 90º TUBO-TUBO ORFS
ORFS UNION 90º ELBOW
UNION COUDE 90º
WINKELVERSCHRAUBUNG 90º
UNIONE GOMITO 90º



Ref.	A	H1	ØR1
74.01.00.04	21,5	14	9/16
74.01.00.06	25	19	11/16
74.01.00.08	28	19	13/16
74.01.00.10	33,5	27	1
74.01.00.12	37,5	30	1.3/16
74.01.00.16	41,5	36	1.7/16
74.01.00.20	44,5	41	1.11/16
74.01.00.24	49	48	2

74.05

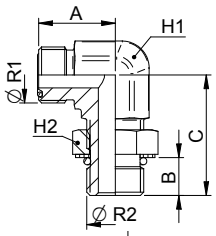
CODO 90º ORIENTABLE ORFS-GAS (BSPP)
90º MALE ELBOW ORFS-BSPP (B.S.P. PARALLEL)
COUDE MÂLE 90º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVESCHRAUBUNG 90º BSPP
GOMITO MASCHIO 90º BSPP (GAS CILINDRICO)



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.05.04.02	21,5	6.3	30.2	14	14	9/16	1/8
74.05.04.04	21,5	9.5	32	14	19	9/16	1/4
74.05.04.06	23,5	9.5	37	19	22	9/16	3/8
74.05.06.04	25	9.5	37	19	19	11/16	1/4
74.05.06.06	25	9.5	37	19	22	11/16	3/8
74.05.06.08	29,2	15	43	22	27	11/16	1/2
74.05.08.04	28	9.5	37	19	19	13/16	1/4
74.05.08.06	28	9.5	37	19	22	13/16	3/8
74.05.08.08	31	13	43	22	27	13/16	1/2
74.05.08.12	33,5	13	49.5	27	36	13/16	3/4
74.05.10.06	33,5	9.5	43	27	22	1	3/8
74.05.10.08	33,5	13	49.5	27	27	1	1/2
74.05.10.12	36	13	49.5	27	36	1	3/4
74.05.10.16	39,7	16	52	33	41	1	1
74.05.12.06						1.3/16	3/8
74.05.12.08	37,5	13	49.5	30	27	1.3/16	1/2
74.05.12.12	37,5	13	49.5	30	36	1.3/16	3/4
74.05.12.16	41,2	16	52	33	41	1.3/16	1
74.05.16.12	41,5	13	55.9	36	36	1.7/16	3/4
74.05.16.16	41,5	16	58.4	36	41	1.7/16	1
74.05.16.20	44,5	16	57	41	50	1.7/16	1.1/4
74.05.20.16	44,5	16	57	41	41	1.11/16	1
74.05.20.20	44,5	16	57	41	50	1.11/16	1.1/4
74.05.20.24	49	16	60.5	48	55	1.11/16	1.1/2
74.05.24.24	49	16	60.5	48	55	2	1.1/2

74.06

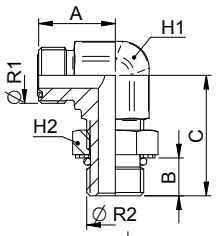
CODO 90º ORIENTABLE ORFS-UNF 2A
90º MALE ELBOW ORFS-UNF 2A
COUDE MÂLE 90º UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 90º UNF 2A
GOMITO MASCHIO 90º UNF 2A



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.06.04.04	21,5	9	32.5	14	14	9/16	7/16
74.06.04.06	21,5	10	31.8	14	17	9/16	9/16
74.06.06.04	25	9	34.8	19	14	11/16	7/16
74.06.06.06	25	10	36.8	19	17	11/16	9/16
74.06.06.08	25	11	36.8	19	22	11/16	3/4
74.06.06.10	29,2	12.5	43.2	22	27	11/16	7/8
74.06.08.06	28	10	36.5	19	17	13/16	9/16
74.06.08.08	28	11	36.8	19	22	13/16	3/4
74.06.08.10	31	12.5	43.2	22	27	13/16	7/8
74.06.08.12	33,5	15	49.3	27	32	13/16	1.1/16
74.06.10.08	33,5	11	45.7	17	22	1	3/4
74.06.10.10	33,5	12.5	45.2	27	27	1	7/8
74.06.10.12	33,5	16	49.3	27	32	1	1.1/16
74.06.12.08	36,5	11	45	30	22	1.3/16	3/4
74.06.12.10	37,5	12.5	46.2	30	27	1.3/16	7/8
74.06.12.12	37,5	15	49.3	30	32	1.3/16	1.1/16
74.06.12.16	41,2	15	52.1	33	38	1.3/16	1.5/16
74.06.16.12	41,5	15	59	36	32	1.7/16	1.1/16
74.06.16.16	41,5	15	57	36	38	1.7/16	1.5/16
74.06.16.20	44,5	15	57.2	41	50	1.7/16	1.5/8
74.06.20.16	44,5	15	60	41	38	1.11/16	1.5/16
74.06.20.20	44,5	16	60	41	50	1.11/16	1.5/8
74.06.20.24	49	15	64	48	55	1.11/16	1.7/8
74.06.24.20	49	15	65	48	50	2	1.5/8
74.06.24.24	49	16	65	48	55	2	1.7/8

74.07

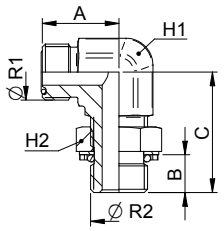
CODO 90º ORIENTABLE ORFS-MÉTRICO ISO 6149
90º MALE ELBOW ORFS-METRIC ISO 6149
COUDE MÂLE 90º CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 90º METRISCH ISO 6149
GOMITO MASCHIO 90º METRICO CILINDRICO ISO 6149



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.07.04.12	21,5	9	33	14	16	9/16	12x1,5
74.07.04.14	21,5	10	33	14	17	9/16	14x1,5
74.07.06.12	25	9	35.5	19	16	11/16	12x1,5
74.07.06.14	25	10	35.5	19	17	11/16	14x1,5
74.07.06.16	25	11	37.5	19	19	11/16	16x1,5
74.07.08.14	28	10	35.5	19	19	13/16	14x1,5
74.07.08.18	27	13	41	19	22	13/16	18x1,5
74.07.08.22	31	14	42.5	22	27	13/16	22x1,5
74.07.10.18	33,5	13	47.5	27	22	1	18x1,5
74.07.10.22	33,5	14	48.7	27	27	1	22x1,5
74.07.12.22	37,5	14	49.5	30	27	1	22x1,5
74.07.12.27	37	16	51	30	32	1.3/16	27x2
74.07.16.33	41,5	16	59.6	36	38	1.7/16	33x2
74.07.20.33	44,5	16	62	41	38	1.11/16	33x2
74.07.20.42	44,5	16	62.5	41	50	1.11/16	42x2
74.07.24.48	49	16	68.7	48	55	2	48x2

74.17

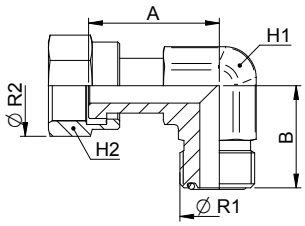
CODO 90º ORIENTABLE ORFS-MÉTRICO DIN 3852
90º MALE ELBOW ORFS-METRIC DIN 3852
COUDE MÂLE 90º CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVESCHRAUBUNG 90º METRISCH DIN 3852
GOMITO MASCHIO 90º METRICO CILINDRICO DIN 3852



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.17.04.12	21,5	9	33	14	16	9/16	12x1,5
74.17.04.14	21.5	10	33	14	17	9/16	14x1,5
74.17.06.12	25	9	35.5	19	16	11/16	12x1,5
74.17.06.14	25	10	35.5	19	17	11/16	14x1,5
74.17.06.16	25	11	37.5	19	19	11/16	16x1,5
74.17.08.14	28	10	35.5	19	19	13/16	14x1,5
74.17.08.18	27	13	41	19	22	13/16	18x1,5
74.17.08.22	31	14	42.5	22	27	13/16	22x1,5
74.17.10.18	33.5	13	47.5	27	22	1	18x1,5
74.17.10.22	33,5	14	48.7	27	27	1	22x1,5
74.17.12.22	37.5	14	49.5	30	27	1.3/16	22x1,5
74.17.12.27	37,5	16	55	30	32	1.3/16	27x2
74.17.16.33	41,5	16	59.6	36	38	1.7/16	33x2
74.17.20.33	44.5	16	62	41	38	1.11/16	33x2
74.17.20.42	44,5	16	62.5	41	50	1.11/16	42x2
74.17.24.48	49	16	68.7	48	55	2	48x2

74.09

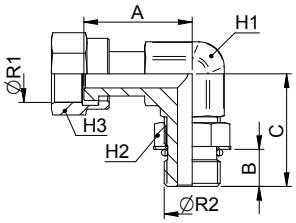
CODO 90º MACHO-TUERCA LOCA ORFS
90º ORFS SWIVEL NUT ELBOW MALE
COUDE MÂLE 90º AVEC ECROU PIVOTANT
WINKEL EINSCHRAUB-VERSCHRAUBUNGEN 90º MIT DREHMUTTERN
GOMITO 90º MASCHIO CON DADO GIREVOLE



Ref.	A	B	H1	H2	ØR1	ØR2
74.09.00.04	26.5	21,5	14	19	9/16	9/16
74.09.00.06	29	25	19	22	11/16	11/16
74.09.00.08	38	28	19	24	13/16	13/16
74.09.00.10	41	33,5	27	30	1	1
74.09.00.12	46.5	37,5	30	36	1.3/16	1.3/16
74.09.00.16	53.5	41,5	36	41	1.7/16	1.7/16
74.09.00.20	58	44,5	41	50	1.11/16	1.11/16
74.09.00.24	61	49	48	60	2	2

74.10

CODO 90º TUERCA LOCA ORFS-ORIENTABLE UNF 2A
90º MALE SWIVEL NUT RUN ELBOW ORFS-UNF 2A
COUDE ORIENTABLE AVEC ECROU PIVOTANT UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 90º MIT DREHMUTTER UNF 2A
UNIONE GOMITO 90º CON DADO GIREVOLE UNF 2A



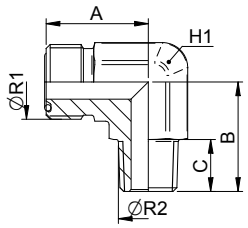
Ref.	A	B	C	H1	H2	H3	ØR1	ØR2
74.10.04.04	26,5	9	31,8	14	14	19	9/16	7/16
74.10.06.06	29	10	36,8	19	17	22	11/16	9/16
74.10.08.08	38	12	36,8	16	22	24	13/16	3/4
74.10.10.10	41	12.5	45,2	27	27	30	1	7/8

Continua >

Ref.	A	B	C	H1	H2	H3	ØR1	ØR2
74.10.12.12	42	16	52,5	30	32	36	1.3/16	1.1/16
74.10.16.16	53,5	16	59,7	36	38	41	1.7/16	1.5/16
74.10.20.20	58	16	57,2	41	50	50	1.11/16	1.5/8
74.10.24.24	61	16	60,7	48	55	60	2	1.7/8

74.11

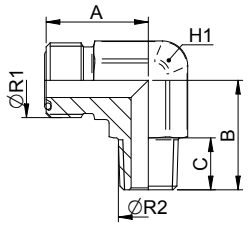
CODO 90º MACHO ORFS-NPTF
90º MALE ELBOW ORFS-NPTF
COUDE MÂLE 90º NPTF
WINKELEINSCHRAUBVERSCHRAUBUNG 90º NPTF
GOMITO MASCHIO 90º NPTF



Ref.	A	B	C	H1	ØR1	ØR2
74.11.04.02	21,5	22,8	9,7	14	9/16	1/8
74.11.04.04	21,5	27,7	14,2	14	9/16	1/4
74.11.06.04	25	27,7	14,2	19	11/16	1/4
74.11.06.06	25	31	14,2	19	11/16	3/8
74.11.06.08	29,5	37,3	19	22	11/16	1/2
74.11.08.06	28	35	14,2	19	13/16	3/8
74.11.08.08	28	37,3	19	22	13/16	1/2
74.11.08.12	33,5	40,4	19	27	13/16	3/4
74.11.10.08	33,5	40,4	19	27	1	1/2
74.11.10.12	36	40,4	19	27	1	3/4
74.11.12.08	37,5	40,4	19	30	1.3/16	1/2
74.11.12.12	37,5	40	19	30	1.3/16	3/4
74.11.12.16	41,5	50	23,9	33	1.3/16	1
74.11.16.12	41,5	45,5	19	36	1.7/16	3/4
74.11.16.16	41,5	50	23,9	36	1.7/16	1
74.11.20.20	44,5	60,5	24,6	41	1.11/16	1.1/4
74.11.24.24	49	67,1	25,4	48	2	1.1/2

74.12

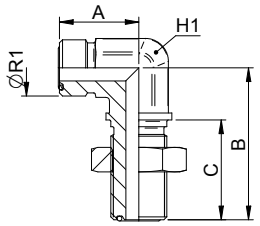
CODO 90º MACHO ORFS-BSPT. (GAS CÓNICO)
90º MALE ELBOW ORFS-BSPT. (B.S.P. Tapered)
COUDE MÂLE 90º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVESCHRAUBUNG 90º BSPT
GOMITO MASCHIO 90º BSPT (GAS CONICO)



Ref.	A	B	C	H1	ØR1	ØR2
74.12.04.02	21.5	22.8	9.7	14	9/16	1/8
74.12.04.04	21.5	27.7	14.2	14	9/16	1/4
74.12.06.04	25	27.7	14.2	19	11/16	1/4
74.12.06.06	25	31	14.2	19	11/16	3/8
74.12.06.08	29.5	37.3	19	22	11/16	1/2
74.12.08.06	28	35	14.2	19	13/16	3/8
74.12.08.08	28	37.3	19	22	13/16	1/2
74.12.08.12	33.5	40.4	19	27	13/16	3/4
74.12.10.08	33.5	40.4	19	27	1	1/2
74.12.10.12	36	40.4	19	27	1	3/4
74.12.12.08	37.5	40.4	19	30	1.3/16	1/2
74.12.12.12	37.5	40	19	30	1.3/16	3/4
74.12.12.16	41.5	50	23.9	33	1.3/16	1
74.12.16.12	41.5	45.5	19	36	1.7/16	3/4
74.12.16.16	41.5	50	23.9	36	1.7/16	1
74.12.20.20	44.5	60.5	24.6	41	1.11/16	1.1/4
74.12.24.24	49	67.1	25.4	48	2	1.1/2

74.13

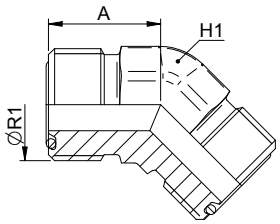
CODO 90º PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION 90º ELBOW
UNION TRAVERSÉE COUDE 90º
WINKELSCHOTTVERSCHRAUBUNG 90º
UNIONE PASSAPARATIA GOMITO 90º



Ref.	A	B	C	H1	ØR1
74.13.00.04	22,5	47	31,5	14	9/16
74.13.00.06	26	52	34	19	11/16
74.13.00.08	29	55,5	36,5	19	13/16
74.13.00.10	34,5	63	40,5	27	1
74.13.00.12	38,5	67	41,5	30	1.3/16
74.13.00.16	40	71	42	36	1.7/16
74.13.00.20	45,5	75,5	42	41	1.11/16
74.13.00.24	49,5	79,5	42	48	2

74.41

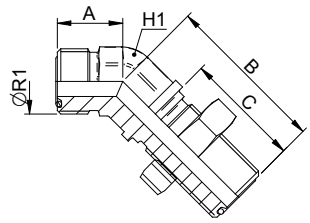
CODO 45º TUBO-TUBO ORFS
UNION 45º ORFS ELBOW
UNION COUDE 90º
WINKELVERSCHRAUBUNG 90º
UNIONE GOMITO 90º



Ref.	A	H1	ØR1
74.41.00.04	16	14	9/16
74.41.00.06	19	19	11/16
74.41.00.08	20,5	19	13/16
74.41.00.10	23,5	27	1
74.41.00.12	26	30	1.3/16
74.41.00.16	30	36	1.7/16
74.41.00.20	32	41	1.11/16
74.41.00.24	37	48	2

74.42

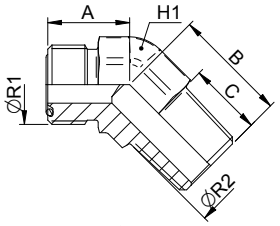
CODO 45º PASATABIQUES TUBO-TUBO ORFS
ORFS BULKHEAD UNION 45º ELBOW
UNION TRAVERSÉE COUDE 45º
WINKELSCHOTTVERSCHRAUBUNG 45º
UNIONE PASSAPARATIA GOMITO 45º



Ref.	A	B	C	H1	ØR1
74.42.00.04	16	44	31,5	14	9/16
74.42.00.06	19	48,5	34	19	11/16
74.42.00.08	20,5	51	36,5	19	13/16
74.42.00.10	23,5	56,5	40,5	27	1
74.42.00.12	26	60,5	41,5	30	1.3/16
74.42.00.16	30	65	42	36	1.7/16
74.42.00.20	32	67	42	41	1.11/16
74.42.00.24	37	67	42	48	2

74.43

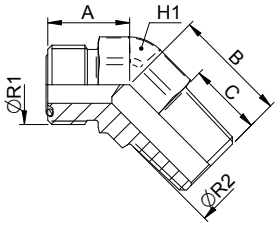
CODO 45º MACHO ORFS-NPTF
45º MALE ELBOW ORFS-NPTF
COUDE MÂLE 45º NPTF
WINKELEINSCHRAUBVERSCHRAUBUNG 45º NPTF
GOMITO MASCHIO 45º NPTF



Ref.	A	B	C	H1	ØR1	ØR2
74.43.04.02	16	18	9,7	14	9/16	1/8
74.43.04.04	16	22	14,2	14	9/16	1/4
74.43.06.04	19	24	14,2	19	11/16	1/4
74.43.06.06	19	24	14,2	19	11/16	3/8
74.43.08.06	20,5	24	14,2	19	13/16	3/8
74.43.08.08	23	30	19	22	13/16	1/2
74.43.10.08	24	31	19	27	1	1/2
74.43.10.12	25	31	19	27	1	3/4
74.43.12.12	26	31	19	27	1.3/16	3/4
74.43.16.16	30	38	23,9	36	1.7/16	1
74.43.20.20	32	42	24,3	41	1.11/16	1.1/4
74.43.24.24	37	45	25,4	48	2	1.1/2

74.44

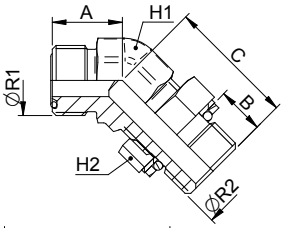
CODO 45º MACHO ORFS-BSPT. (GAS CÓNICO)
45º MALE ELBOW ORFS-BSPT. (B.S.P. Tapered)
COUDE MÂLE 45º BSPT (GAZ CONIQUE)
WINKELEINSCHRAUBVERSCHRAUBUNG 45º BSPT (WHITWORTH- ROHRGEWINDE KEGELIG)
GOMITO MASCHIO 45º BSPT (GAS CONICO)



Ref.	A	B	C	H1	ØR1	ØR2
74.44.04.02	16	18	9.7	14	9/16	1/8
74.44.04.04	16	22	14.2	14	9/16	1/4
74.44.06.04	19	24	14.2	19	11/16	1/4
74.44.06.06	19	24	14.2	19	11/16	3/8
74.44.08.06	20.5	24	14.2	19	13/16	3/8
74.44.08.08	23	30	19	22	13/16	1/2
74.44.10.08	24	31	19	27	1	1/2
74.44.10.12	25	31	19	27	1	3/4
74.44.12.12	26	31	19	27	1.3/16	3/4
74.44.16.16	30	38	23.9	36	1.7/16	1
74.44.20.20	32	42	24.3	41	1.11/16	1.1/4
74.44.24.24	37	45	25.4	48	2	1.1/2

74.45

CODO 45º ORIENTABLE ORFS-GAS (BSPP)
45º MALE ELBOW ORFS-BSPP (B.S.P. PARALLEL)
COUDE MÂLE 45º BSPP (GAS CYLINDRIQUE)
WINKELEINSCHRAUBVERSCHRAUBUNG 45º BSPP (B.S.P. ZYLINDRISCH)
GOMITO MASCHIO 45º BSPP (GAS CILINDRICO)



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.45.04.02	16	6.3	26	14	14	9/16	1/8
74.45.04.04	16	9.5	29	14	19	9/16	1/4
74.45.06.04	19	9.5	32	19	19	11/16	1/4
74.45.06.06	19	9.5	33	19	22	11/16	3/8

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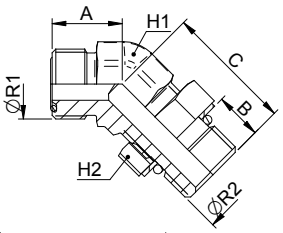
Ref.	A	B	C	H1	H2	ØR1	ØR2
74.45.06.08	19.5	13	38.5	22	27	11/16	1/2
74.45.08.06	20.5	9.5	33	19	22	13/16	3/8
74.45.08.08	20.5	13	38.5	22	27	13/16	1/2
74.45.10.08	23.5	13	38.5	27	27	1	1/2
74.45.10.12	23.5	13	44	27	36	1	3/4
74.45.12.12	26	13	44	30	36	1.3/16	3/4
74.45.12.16	29.5	16	47	33	41	1.3/16	1
74.45.16.16	30	16	48	36	41	1.7/16	1
74.45.20.20	32	16	48.5	41	50	1.11/16	1.1/4
74.45.24.24	37	16	49	48	55	2	1.1/2

74.46

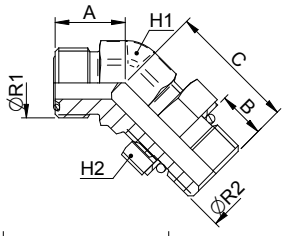
CODO 45º ORIENTABLE ORFS-UNF 2A
45º MALE ELBOW ORFS-UNF 2A
COUDE MÂLE 45º UNF 2A
WINKELEINSCHRAUBVESCHRAUBUNG 45º UNF 2A
GOMITO MASCHIO 45º UNF 2A



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.46.04.04	16	8	26	14	14	9/16	7/16
74.46.04.06	16	10	29	14	17	9/16	9/16
74.46.06.04	19	8	26	19	14	11/16	7/16
74.46.06.06	19	10	29	19	17	11/16	9/16
74.46.06.08	19	11	33	19	22	11/16	3/4
74.46.08.06	20,5	10	29	19	17	13/16	9/16
74.46.08.08	20,5	11	33	19	22	13/16	3/4
74.46.08.10	20,5	13	38.6	22	17	13/16	7/8
74.46.10.08	23,5	11	35	27	22	1	3/4
74.46.10.10	23,5	13	40	27	27	1	7/8
74.46.10.12	23,5	15.5	43.9	30	32	1	1.1/16
74.46.12.10	26	13	40	30	27	1.3/16	7/8
74.46.12.12	26	15.5	43.9	30	32	1.3/16	1.1/16
74.46.12.16	29,5	15.5	47.2	33	38	1.3/16	1.5/16
74.46.16.12	30	15	45	36	32	1.7/16	1.1/16
74.46.16.16	30	15.5	47.5	36	38	1.7/16	1.5/16
74.46.16.20	32	16	48.5	41	50	1.7/16	1.5/8
74.46.20.20	32	16	48.5	41	50	1.11/16	1.5/8
74.46.24.24	37	16	50	48	55	2	1.7/8

74.47

CODO 45º ORIENTABLE ORFS-MÉTRICO ISO 6149
45º MALE ELBOW ORFS-METRIC ISO 6149
COUDE MÂLE 45º CILINDRIQUE-METRIQUE ISO 6149
WINKELEINSCHRAUBVESCHRAUBUNG 45º METRISCH ISO 6149
GOMITO MASCHIO 45º METRICO CILINDRICO ISO 6149



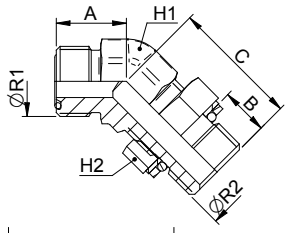
Ref.	A	B	C	D1	D2	ØR1	ØR2
74.47.04.12	16	9	30	14	16	9/16	12x1,5
74.47.04.14	16	10	30	14	17	9/16	14x1,5
74.47.06.14	19	10	30	19	17	11/16	14x1,5
74.47.06.16	19	11	33	19	19	11/16	16x1,5
74.47.08.14	20,5	10	60	19	17	13/16	14x1,5
74.47.08.18	20,5	11	36.5	19	22	13/16	18x1,5
74.47.08.22	20,5	13	40	22	27	13/16	22x1,5
74.47.10.18	23,5	11	38	27	22	1	18x1,5

Continua >

Ref.	A	B	C	D1	D2	ØR1	ØR2
74.47.10.22	23,5	13	43.5	27	27	1	22X1,5
74.47.12.27	26	15	50	30	32	1.3/16	27x2
74.47.16.33	30	16	52	36	38	1.7/16	33x2
74.47.20.42	32	16	54	41	50	1.11/16	42x2
74.47.24.48	37	16	56	48	55	2	48x2

74.48

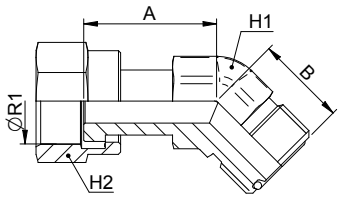
CODO 45º ORIENTABLE ORFS-MÉTRICO DIN 3852
45º MALE ELBOW ORFS-METRIC DIN 3852
COUDE MÂLE 45º CILINDRIQUE-METRIQUE DIN 3852
WINKELEINSCHRAUBVESCHRAUBUNG 45º METRISCH DIN 3852
GOMITO MASCHIO 45º METRICO CILINDRICO DIN 3852



Ref.	A	B	C	H1	H2	ØR1	ØR2
74.48.04.12	16	7.5	30	14	16	9/16	12x1,5
74.48.04.14						9/16	14x1,5
74.48.06.14	19	8.5	30	19	17	11/16	14x1,5
74.48.06.16	19	8.5	33	19	19	11/16	16x1,5
74.48.08.14						13/16	14x1,5
74.48.08.18	20,5	9	36.5	19	22	13/16	18x1,5
74.48.08.22						13/16	22x1,5
74.48.10.18						1	18x1,5
74.48.10.22	23,5	10.5	43.5	27	27	1	22X1,5
74.48.12.27	26	13	50	30	32	1.3/16	27x2
74.48.16.33	30	13	52	36	38	1.7/16	33x2
74.48.20.42	32	13	54	41	50	1.11/16	42x2
74.48.24.48	37	13	56	48	55	2	48x2

74.49

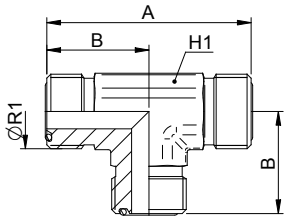
CODO 45º MACHO-TUERCA LOCA ORFS
45º MALE ELBOW ORFS-SWIVEL NUT
UNION COUDE 45º AVEC ECROU PIVOTANT
WINKELVERSCHRAUBUNG 45º MIT DREHMUTTER
UNIONE GOMITO 45º CON DADO GIREVOLE



Ref.	A	B	H1	H2	ØR1
74.49.00.04	24.5	16	14	19	9/16
74.49.00.06	26	19	19	22	11/16
74.49.00.08	29	20.5	19	24	13/16
74.49.00.10	33	23.5	27	30	1
74.49.00.12	35.5	26	30	36	1.3/16
74.49.00.16	41	30	36	41	1.7/16
74.49.00.20	45.5	32	41	50	1.11/16
74.49.00.24	51	37	48	60	2

74.51

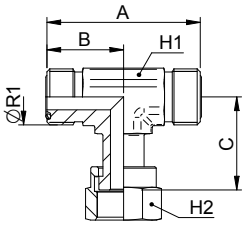
TE TUBO-TUBO ORFS
ORFS EQUAL TEES
UNION "T"
T-VERSCHRAUBUNG
UNIONE A "T"



Ref.	A	B	H1	ØR1
74.51.00.04	43	21,5	14	9/16
74.51.00.06	50	25	19	11/16
74.51.00.08	56	28	19	13/16
74.51.00.10	67	33,5	27	1
74.51.00.12	75	37,5	30	1.3/16
74.51.00.16	83	41,5	36	1.7/16
74.51.00.20	89	44,5	41	1.11/16
74.51.00.24	98	49	48	2

74.55

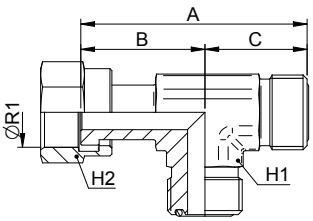
TE MACHO-TUERCA LOCA CENTRAL ORFS
SWIVEL NUT BRANCH TEE-ORFS
"T" DE LIGNE AVEC ECROU PIVOTANT
LINIEN-T MIT DREHMUTTER
"T" DI LINEA CON DADO GIREVOLE



Ref.	A	B	C	H1	H2	ØR1
74.55.00.04	43	21,5	26,5	14	19	9/16
74.55.00.06	50	25	29	19	22	11/16
74.55.00.08	56	28	38	19	24	13/16
74.55.00.10	67	33,5	41	27	30	1
74.55.00.12	75	37,5	46,5	30	36	1.3/16
74.55.00.16	83	41,5	53,5	36	41	1.7/16
74.55.00.20	89	44,5	58	41	50	1.11/16
74.55.00.24	98	49	61	48	60	2

74.59

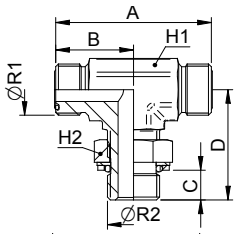
TE MACHO-TUERCA LOCA LATERAL ORFS
SWIVEL NUT RUN TEE-ORFS
"T" DE DÉRIVATION AVEC ECROU PIVOTANT
ABLEITUNG "T" MIT DREHMUTTER
"T" DI DERIVAZIONE CON DADO GIREVOLE



Ref.	A	B	C	H1	H2	ØR1
74.59.00.04	48	21.5	26.5	14	19	9/16
74.59.00.06	54	25	29	19	22	11/16
74.59.00.08	66	28	38	19	24	13/16
74.59.00.10	74.5	33.5	41	27	30	1
74.59.00.12	84	37.5	46.5	30	36	1.3/16
74.59.00.16	95	41.5	53.5	36	41	1.7/16
74.59.00.20	102.5	44.5	58	41	50	1.11/16
74.59.00.24	110	49	61	48	60	2

74.61

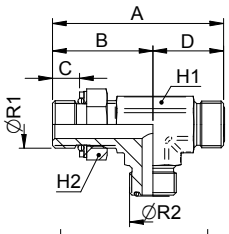
TE ORIENTABLE CENTRAL GAS (BSPP)
MALE BRANCH TEE ORFS-BSPP (B.S.P. PARALLEL)
"T" MÂLE DE LIGNE BSPP
LINIEN EINSCHRAUB-T BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI LINEA BSPP (GAS CILINDRICO)



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.61.04.02	43	21,5	30,2	6,3	14	14	9/16	1/8
74.61.04.04	43	21,5	32	9,5	14	19	9/16	1/4
74.61.06.04	50	25	35,8	9,5	19	19	11/16	1/4
74.61.06.06	50	25	38	9,5	19	22	11/16	3/8
74.61.08.06	56	28	38	9,5	19	22	13/16	3/8
74.61.08.08	56	28	43	13	22	27	13/16	1/2
74.61.10.08	67	33,5	49,5	13	27	27	1	1/2
74.61.10.12	67	33,5	49,5	13	27	36	1	3/4
74.61.12.12	75	37,5	49,5	13	30	36	1.3/16	3/4
74.61.16.16	83	41,5	58,4	16	36	41	1.7/16	1
74.61.20.20	89	44,5	57	16	41	50	1.11/16	1.1/4
74.61.24.24	99	49	60,5	16	48	55	2	1.1/2

74.63

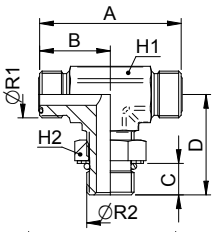
TE ORIENTABLE LATERAL ORFS-GAS (BSPP)
MALE RUN TEE ORFS-BSPP (B.S.P. PARALLEL)
"T" DE DERIVATION MÀLE BSPP
ABLEITUNG T BSPP (B.S.P. ZYLINDRISCHE)
"T" MASCHIO DI DERIVAZIONE BSPP (GAS CILINDRICO)



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.63.04.02	51.7	30.2	6,3	21.5	14	14	9/16	1/8
74.63.04.04	53.7	32	9,5	21.5	14	19	9/16	1/4
74.63.06.04	60.8	35.8	9,5	25	19	19	11/16	1/4
74.63.06.06	62	37	9,5	25	19	22	11/16	3/8
74.63.08.06	65	37	9,5	28	19	22	13/16	3/8
74.63.08.08	71	43	13	28	22	27	13/16	1/2
74.63.10.08	83	49.5	13	33.5	27	27	1	1/2
74.63.10.12	83	49.5	13	33.5	22	36	1	3/4
74.63.12.12	88.9	51.4	13	37.5	30	36	1.3/16	3/4
74.63.16.16	99.9	58.4	16	41.5	36	41	1.7/16	1
74.63.20.20	101.5	57	16	44.5	41	50	1.11/16	1.1/4
74.63.24.24	109.5	60.5	16	49	48	55	2	1.1/2

74.65

TE ORIENTABLE CENTRAL ORFS-UNF 2A
MALE BRANCH TEE ORFS-UNF 2A.Adjustable
"T" DE LIGNE MÂLE UNF 2A
ABLEITUNG "T" UNF 2A
"T" MASCHIO DI DERIVAZIONE UNF 2A



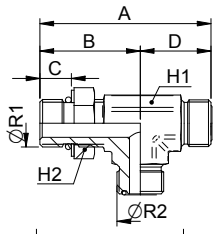
Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.65.04.04	43	21,5	9	31,8	14	14	7/16	9/16
74.65.06.06	50	25	10	36	14	17	9/16	11/16
74.65.08.08	56	28	11	36,8	19	22	3/4	13/16
74.65.10.10	65	33,5	13	48	27	27	7/8	1

Continua >

Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.65.12.12	75	37,5	15	51	30	32	1.1/16	1.3/16
74.65.16.16	83	41,5	15	57	36	38	1.5/16	1.7/16
74.65.20.20	89	44,5	15	62	41	50	1.5/8	1.11/16
74.65.24.24	98	49	15	65	48	55	1.7/8	2

74.67

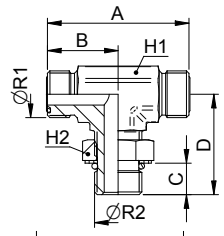
TE ORIENTABLE LATERAL ORFS-UNF 2A
MALE RUN TEE ORFS-UNF 2A. Adjustable
"T" DE DERIVATION MÀLE UNF 2A
ABLEITUNG "T" UNF 2A
"T" MASCHIO DI DERIVAZIONE UNF 2A



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.67.04.04	43	21.5	9	31.8	14	14	9/16	7/16
74.67.06.06	50	25	10	36	19	17	9/16	9/16
74.67.08.08	56	28	11	36.8	19	22	13/16	3/4
74.67.10.10	65	33.5	13	48	27	27	1	7/8
74.67.12.12	75	37.5	15	51	30	32	1.3/16	1.1/16
74.67.16.16	83	41.5	1	57	36	38	1.7/16	1.5/16
74.67.20.20	89	44.5	15	62	41	50	1.11/16	1.5/8
74.67.24.24	98	49	15	65	48	55	2	1.7/8

74.62

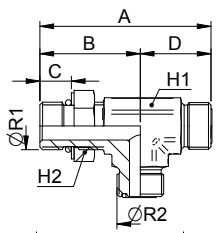
TE ORIENTABLE CENTRAL ORFS-MÉTRICO ISO 6149
MALE BRANCH TEE ORFS-METRIC ISO 6149. Adjustable
"T" MÂLE DE LIGNE METRIQUE ISO 6149
LINIEN EINSCHRAUB T METRISCH ISO 6149
"T" MASCHIO DI LINEA METRICO ISO 6149



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.62.04.12	43	21.5	9	33	14	16	9/16	12x1,5
74.62.04.14	43	21.5	10	33	14	17	9/16	14x1,5
74.62.06.14	50	25	10	37.5	19	17	11/16	14x1,5
74.62.06.16	50	25	11	37.5	19	19	11/16	16x1,5
74.62.08.18	56	28	11	39	19	22	13/16	18x1,5
74.62.10.22	65	33.5	13	49	27	27	1	22x1,5
74.62.12.27	75	37.5	15	53	30	32	1.3/16	27x2
74.62.16.33	84	42	16	55.5	36	38	1.7/16	33x2
74.62.20.42	89	44.5	16	59	41	50	1.11/16	42x2
74.62.24.48	98	49	16	64	48	55	2	48x2

74.64

TE ORIENTABLE LATERAL ORFS-MÉTRICO ISO 6149
MALE RUN TEE ORFS-METRIC ISO 6149.Adjustable
"T" DE DERIVATION MÀLE METRIQUE ISO 6149
ABLEITUNG "T" METRISCH ISO 6149
"T" MASCHIO DI DERIVAZIONE METRICO ISO 6149



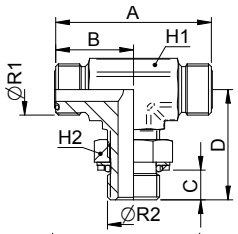
Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.64.04.12	43	21.5	9	33	14	16	9/16	12x1,5
74.64.04.14	43	21.5	10	33	14	17	9/16	14x1,5

Continua >

Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.64.06.14	50	25	10	37.5	19	19	11/16	14x1,5
74.64.06.16	50	25	11	37.5	19	19	11/16	16x1,5
74.64.08.18	56	28	11	39	19	22	13/16	18x1,5
74.64.10.22	65	33.5	13	49	27	27	1	22x1,5
74.64.12.27	75	37.5	15	53	30	32	1.3/16	27x2
74.64.16.33	84	42	16	55.5	36	38	1.7/16	33x2
74.64.20.42	89	44.5	16	59	41	50	1.11/16	42x2
74.64.24.48	98	49	16	64	48	55	2	48x2

74.66

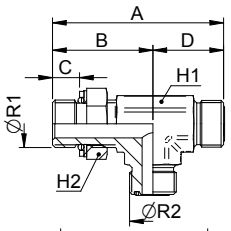
TE ORIENTABLE CENTRAL ORFS-MÉTRICO DIN 3852
MALE BRANCH TEE ORFS-METRIC DIN 3852. Adjustable
"T" DE LIGNE MÂLE METRIQUE DIN 3852
LINIEN EINSCHRAUB T METRISCH DIN 3852
"T" MASCHIO DI LINEA METRICO DIN 3852



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.66.04.12	43	21.5	7,5	33	14	16	9/16	12x1,5
74.66.04.14	43	21.5	10	33	14	17	9/16	14x1,5
74.66.06.14	50	25	8,5	37.5	19	17	11/16	14x1,5
74.66.06.16	50	25	8,5	37.5	19	19	11/16	16x1,5
74.66.08.18	56	28	9	37.5	19	22	13/16	18x1,5
74.66.10.22	65	33.5	10,5	49	27	27	1	22x1,5
74.66.12.27	75	37.5	13	55	30	32	1.3/16	27x2
74.66.16.33	83	41.5	13	59.5	36	38	1.7/16	33x2
74.66.20.42	89	44.5	13	61	41	50	1.11/16	42x2
74.66.24.48	98	49	13	68	48	55	2	48x2

74.68

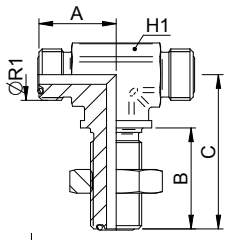
TE ORIENTABLE LATERAL ORFS-MÉTRICO DIN 3852
MALE RUN TEE ORFS-METRIC DIN 3852.Adjustable
"T" DE DERIVATION MÀLE METRIQUE DIN 3852
ABLEITUNG "T" METRISCH DIN 3852
"T" DI DERIVAZIONI MASCHIO METRICO DIN 3852



Ref.	A	B	C	D	H1	H2	ØR1	ØR2
74.68.04.12	43	21.5	7,5	33	14	16	9/16	12x1,5
74.68.04.14	43	21.5	10	33	14	16	9/16	14x1,5
74.68.06.14	50	25	8.5	37.5	19	16	11/16	14x1,5
74.68.06.16	50	25	8.5	37.5	19	19	11/16	16x1,5
74.68.08.18	56	28	9	40	19	22	13/16	18x1,5
74.68.10.22	65	33.5	10.5	49	27	27	1	22x1,5
74.68.12.27	75	37.5	13	55	30	32	1.3/16	27x2
74.68.16.33	83	41.5	13	59.5	36	38	1.7/16	33x2
74.68.20.42	89	44.5	13	63	41	50	1.11/16	42x2
74.68.24.48	98	49	13	68.5	48	55	2	48x2

74.73

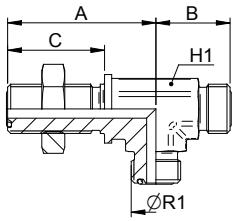
TE PASATABIQUES CENTRAL TUBO-TUBO ORFS
ORFS BULKHEAD BRANCH TEE



Ref.	A	B	C	H1	ØR1
74.73.00.04	22.5	31.5	47	14	9/16
74.73.00.06	26	34	52	19	11/16
74.73.00.08	29	36.5	55.5	19	13/16
74.73.00.10	34.5	40.5	63	27	1
74.73.00.12	38.5	41.5	67	30	1.3/16
74.73.00.16	42.5	42	71	36	1.7/16
74.73.00.20	45.5	42	75.5	41	1.11/16
74.73.00.24	49.5	42	79.5	48	2

74.74

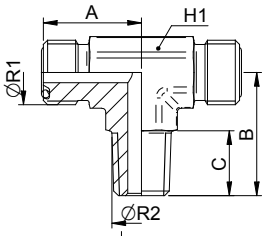
TE PASATABIQUES LATERAL TUBO-TUBO ORFS
ORFS BULKHEAD RUN TEE



Ref.	A	B	C	H1	ØR1
74.74.00.04	47	22.5	31.5	14	9/16
74.74.00.06	52	26	34	19	11/16
74.74.00.08	55.5	29	36.5	19	13/16
74.74.00.10	63	34.5	40.5	27	1
74.74.00.12	67	38.5	41.5	30	1.3/16
74.74.00.16	71	42.5	42	36	1.7/16
74.74.00.20	75.5	45.5	42	41	1.11/16
74.74.00.24	79.5	49.5	42	48	2

74.81

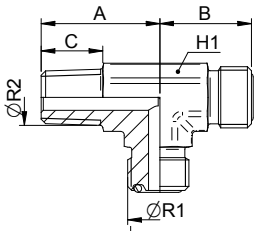
TE MACHO ORFS-MF NPTF CENTRAL
MALE BRANCH TEE ORFS-NPTF
"T" MÂLE DE LIGNE NPT
LINIEN EINSCHRAUB T NPTF
"T" MASCHIO DI LINEA NPT



Ref.	A	B	C	H1	ØR1	ØR2
74.81.04.02	21,5	22,8	9,7	14	9/16	1/8
74.81.04.04	21,5	27	14,2	14	9/16	1/4
74.81.06.04	25	27,7	14,2	19	11/16	1/4
74.81.06.06	25	31	14,2	19	11/16	3/8
74.81.08.06	28	31	14,2	19	13/16	3/8
74.81.08.08	28	37,3	16	22	13/16	1/2
74.81.10.08	33,5	40,4	19	27	1	1/2
74.81.12.12	37,5	40,4	19	30	1.3/16	3/4
74.81.16.16	41,5	48,4	23,9	36	1.7/16	1
74.81.20.20	44,5	53,6	24,6	41	1.11/16	1.1/4
74.81.24.24	49	57,6	25,4	48	2	1.1/2

74.83

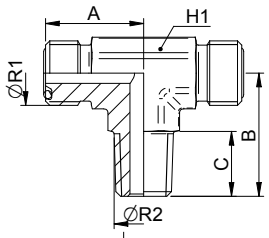
TE MACHO ORFS-MF NPTF LATERAL
MALE RUN TEE ORFS-NPTF
"T" DE DERIVATION MÀLE NPT
ABLEITUNG "T" NPT
"T" MASCHIO DI DERIVAZIONE NPT



Ref.	A	B	C	H1	ØR1	ØR2
74.83.04.02	22.8	21.5	9.7	14	9/16	1/8
74.83.04.04	27	21.5	14.2	14	9/16	1/4
74.83.06.04	27	25	14.2	19	11/16	1/4
74.83.06.06	31	25	14.2	19	11/16	3/8
74.83.08.06	31	28	14.2	19	13/16	3/8
74.83.08.08	37.3	28	19	22	13/16	1/2
74.83.10.08	40.4	33.5	19	27	1	1/2
74.83.12.12	40.4	37.5	19	30	1.3/16	3/4
74.83.16.16	48.4	41.5	23.9	36	1.7/16	1
74.83.20.20	53.5	44.5	24.6	41	1.11/16	1.1/4
74.83.24.24	57.6	49	25.4	48	2	1.1/2

74.82

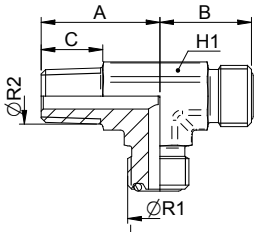
TE MACHO ORFS-MF BSPT CENTRAL. (GAS CÓNICO)
MALE BRANCH TEE ORFS-BSPT. (B.S.P. Tapered)
"T" MÂLE DE LIGNE BSPT (GAZ CONIQUE)
LINIEN EINSCHRAUB T BSPT (WITHWORTH-ROHRGEWINDE KEGELIG)
"T" MASCHIO DI LINEA BSPT (GAS CONICO)



Ref.	A	B	C	H1	ØR1	ØR2
74.82.04.02	21,5	22,8	9,7	14	9/16	1/8
74.82.04.04	21,5	27	14,2	14	9/16	1/4
74.82.06.04	25	27	14,2	19	11/16	1/4
74.82.06.06	25	31	14,2	19	11/16	3/8
74.82.08.06	28	31	14,2	19	13/16	3/8
74.82.08.08	28	37,3	16	22	13/16	1/2
74.82.10.08	33,5	40,4	19	27	1	1/2
74.82.12.12	37,5	40,4	19	30	1.3/16	3/4
74.82.16.16	41,5	48,4	23,9	36	1.7/16	1
74.82.20.20	44,5	53,5	24,6	41	1.11/16	1.1/4
74.82.24.24	49	57,6	25,4	48	2	1.1/2

74.84

TE MACHO ORFS-MF BSPT LATERAL. (GAS CÓNICO)
MALE RUN TEE ORFS-BSPT. (B.S.P. Tapered)
"T" DE DERIVATION MÀLE BSPT (GAZ CONIQUE)
ABLEITUNG "T" BSPT (WITHWORTH-ROHRGEWINDE KEGELIG)
"T" DI DERIVAZIONI MASCHIO BSPT (GAS CONICO)



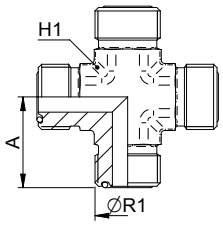
Ref.	A	B	C	H1	Ø R1	Ø R2
74.84.04.02	22.8	21.5	9.7	14	9/16	1/8
74.84.04.04	27	21.5	14.2	14	9/16	1/4
74.84.06.04	27.7	25	14.2	19	11/16	1/4
74.84.06.06	31	25	14.2	19	11/16	3/8
74.84.08.06	31	28	14.2	19	13/16	3/8
74.84.08.08	37.3	28	19	22	13/16	1/2

Continua >

Ref.	A	B	C	H1	Ø R1	Ø R2
74.84.10.08	40.4	33.5	19	27	1	1/2
74.84.12.12	40.4	37.5	19	30	1.3/16	3/4
74.84.16.16	48.4	41.5	23.9	36	1.7/16	1
74.84.20.20	53.5	44.5	24.6	41	1.11/16	1.1/4
74.84.24.24	57.6	49	25.4	48	2	1.1/2

74.90

UNIÓN CRUZ TUBO-TUBO ORFS
UNION ORFS CROSS
ADAPTEUR CROIX MÂLE
KREUZADAPTER STUTZEN
RACCORDI INTERMEDI A CROCE MASCHIO



Ref.	A	H1	ØR1
74.90.00.04	21,5	14	9/16
74.90.00.06	25	19	11/16
74.90.00.08	28	19	13/16
74.90.00.10	33,5	27	1
74.90.00.12	37,5	30	1.3/16
74.90.00.16	41,5	36	1.7/16
74.90.00.20	44,5	41	1.11/16
74.90.00.24	49	48	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 dubitari di consultare qualsiasi necessitá.

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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