

RACCORDS À BAGUE TUBES & COLLIERES



OFFRE GLOBALE

Dans ce fascicule :
In this catalogue

- Informations techniques et guide de montage / *Technical information and installation guide*
- Raccords à bague série "LL" / *Compression ring fittings "LL" series*
- Raccords à bague séries "N" et "GAZ" / *Compression ring fittings "N" and "GAZ" series*
- Raccords à bague séries DIN "L" et "S" / *Compression ring fittings DIN "L" and "S" series*
- Tubes / *Rigid hydraulic pipes*
- Colliers / *Clamps*

Consultez nos autres catalogues
Summary of our catalogues

- Tuyaux et embouts / *Hoses and fittings*
- Adapteurs (gaz, BSP, JIC,...) / *Adaptors*
- Lavage (lances, pistolets, buses,...) / *Cleaning (lances, spray guns, nozzles,...)*
- Climatisation (tuyaux, embouts et accessoires) / *Refrigeration (hoses, fittings and accessories)*
- Coupleurs, valves et robinets / *Quick release couplings, couplings and valves*
- Industrie (tuyaux : inox, PTFE, EPDM, PVC,... , raccords, ...) / *Industry (hoses : stainless steel, PTFE, EPDM, PVC, ..., fittings,...)*
- Accessoires (brides, joints, manomètres, gamme sécurité, cintreuse, huiles,...)
Accessories (flanges, O'ring, pressure gauge, security range, bending machines, hydraulic oils,...)
- Assainissement (tuyaux, raccords symétriques, buses,...) / *Sewer equipment (hoses, Guillemin couplings, nozzles, ...)*
- Graissage / *Greasing*
- Brides / *Flanges*



Consultez notre site www.fluiconnecto.com

Fluiconnecto est la division en charge de la distribution des produits Manuli.
Déjà présente dans de nombreux pays, Fluiconnecto poursuit son implantation mondiale.



Fluiconnecto distribue la gamme de tuyaux et raccords hydrauliques Manuli, en proposant des produits à la carte, répondant aux besoins de tous secteurs d'activité (Agricole, BTP, Industries, Marine, Levage, Assainissement, ...).

Spécialiste du transfert de tous fluides (air, gaz, huile, eau, ...), Fluiconnecto s'efforce d'apporter une solution globale à la problématique de ses clients, en leur offrant une large gamme de produits indispensables au bon fonctionnement de toutes installations hydrauliques ou industrielles.

Sont présentés ici les raccords à bague, tubes et colliers, utilisés pour toutes installations rigides.



Les raccords à bague

Ces pièces mécaniques sont destinées :

- à réunir deux ou plusieurs tubes entre eux
- à réaliser une liaison entre un tube et une implantation filetée d'une installation

L'étanchéité est assurée par une bague "taillante".



Les différentes séries :

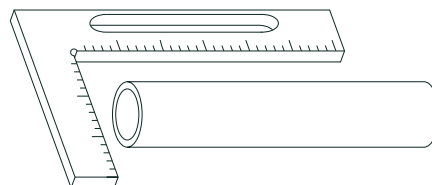
- **LL** : **très légère** (française), utilisée pour des installations à pressions faibles, 100 bar maxi.
- **L** : **légère** (allemande), utilisée pour des installations à pressions moyennes ou faibles, 315 bar maxi.
- **N** : **normale** (française), utilisée pour des installations à pressions moyennes ou fortes, 400 bar maxi.
- **Gaz** : **Gaz** (française), utilisée pour des installations à pressions moyennes ou fortes, 400 bar maxi.
- **S** : **forte** (allemande), utilisée pour des installations jusqu'à une pression de 630 bar maxi.

Selon les séries, les raccords à bague sont **disponibles en acier et inox**

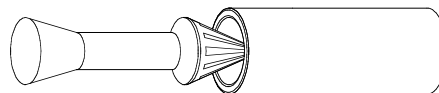
Montage d'un raccord à bague :

Préparation

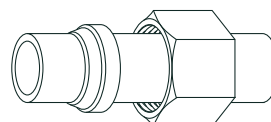
1/ Couper le tube à l'équerre



2/ Ebavurer pour permettre le bon engagement de la bague sur le tube et limiter les pollutions du circuit.

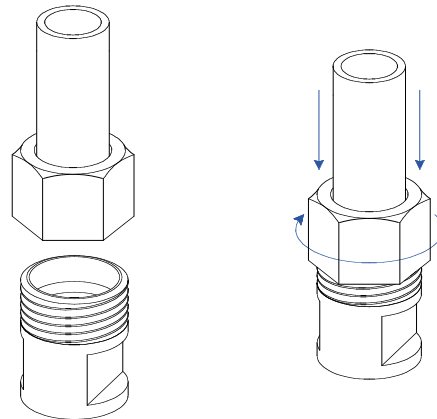


3/ Huiler toutes les parties.
Monter l'écrou sur le tube puis la bague, son arête vive dirigée côté extrémité du tube.

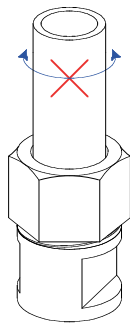


Assemblage

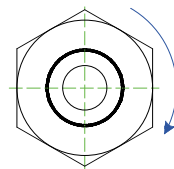
4/ Pousser le tube en butée au fond du corps du bloc de pré-sertissage ou de la pièce réceptrice. Visser l'écrou jusqu'au blocage manuel.



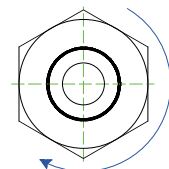
5/ Continuer le serrage de l'écrou jusqu'à l'immobilisation du tube en rotation.



6/ Repérer la position de l'écrou et terminer son serrage en effectuant un pré-assemblage de 1/4 à 1/2 tour maximum.



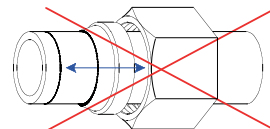
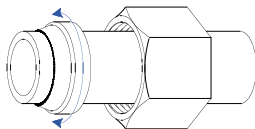
1/4 de tour



1/2 de tour

Contrôle visuel après démontage

7/ Vérifier visuellement la position de la lèvre non coupante en appui sur le bourrelet du tube refoulé. Le bourrelet doit être constant sur toute la périphérie.



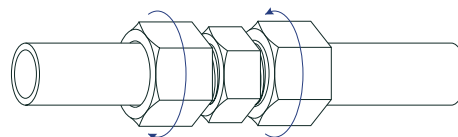
La bague peut tourner autour du tube mais ne doit, en aucun cas, avoir de mouvement longitudinal.

Montage final sur l'équipement

8/ Assembler les pièces, serrer l'écrou jusqu'au blocage manuel, terminer le serrage à la clé :

Séries L et N
Série S

1/2 tour
3/4 de tour

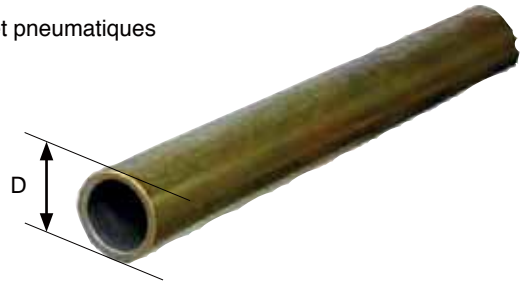


ou selon le couple de serrage préconisé, en utilisant une clé dynamométrique.

Pour connaître la série du raccord à bague, lire sa dénomination dans la partie catalogue.

Les tubes

Ils sont utilisés comme conduits rigides dans les installations hydrauliques et pneumatiques dont les pressions nominales vont de 16 à 800 bar.
Le diamètre de référence est le diamètre extérieur (D).



Description

Les tubes sont sans soudure, étirés à froid, et ont subi un recuit de normalisation en atmosphère contrôlée qui leur confère un état normalisé (NBK par référence à la norme EN 10 305-4).
Les tubes en acier Tu 37 B selon EN 10305-4 sont garantis cintrables à un rayon minimum ou égal à 2,5 D.

Désignation

Exemple : TUBE 12 X 16 EZ

- Désignation
- Diamètre intérieur
- Diamètre extérieur (D)
- Particularité du tube

(voir paragraphe « Types »)

Types

Classique : tous les tubes (sauf EZ et inox) ont les surfaces intérieures et extérieures recouvertes d'un film d'huile.

Renforcé : désignation se terminant par "R", tubes dont la paroi est plus épaisse.

Electro-zingué : désignation se terminant par « EZ », la protection extérieure (10-12 μ) permet une utilisation immédiate du tube (sans peinture de protection préalable).

Le tube est reconnaissable à sa couleur blanc platine (directive européenne ELV2000/53/EC).

Inox : essentiellement utilisés pour les applications industrielles exigeantes (marine, agroalimentaire, ...).

Ils sont consultables dans notre catalogue Industrie.

Dimensions

Les tableaux dans ce présent catalogue indiquent les dimensions de tubes standards en stock.
Toutes autres dimensions et/ou qualités peuvent être fournies sur demande.

Contrôles

Tous les tubes subissent systématiquement :

- un contrôle non destructif aux courants de Foucault
- un contrôle visuel sur table de l'aspect extérieur du tube

Longueurs stockées

Les tubes sont stockés en longueur de 6 mètres (norme : 0/+10 mm) et bouchonnés (bouchons plastiques) à chaque extrémité.

Marquage

Les tubes sont marqués longitudinalement en continu à l'encre, selon les prescriptions des normes.

Certificat

Sur demande, le produit est accompagné d'un certificat précisant la composition chimique et les résultats des essais mécaniques des tubes.

RACCORDS A BAGUE ACIER, SÉRIE "LL"

BAGUE, ECROU	7
COUDE EGAL, MALE	10 - 11
TE EGAL, MALE	11
UNION DOUBLE, MALE	8 - 9

RACCORDS A BAGUE ACIER, SÉRIES "N" ET "GAZ"

ADAPTEUR TOURNANT	23 à 26
BAGUE, ECROU, JOINT	12 à 15
BLOC DE PRESERTISSAGE	34
COUDE EGAL, FEMELLE, MALE	26 à 29
CROIX	32
EMBOUT A SOUDER	32
OBTURATEUR FEMELLE ET MALE	33 - 34
ORIENTABLE TYPE BANJO	35
TE EGAL, FEMELLE, MALE	30 - 31
UNION DOUBLE, FEMELLE, MALE	16 à 22

RACCORDS A BAGUE ACIER, SÉRIES DIN "L" ET "S"

ADAPTEUR DE REDUCTION	67 à 69
ADAPTEUR TOURNANT	49 à 52
BAGUE, ECROU	36 à 37
BANJO ORIENTABLE	65 - 66
BLOC DE PRESERTISSAGE	72
COUDE EGAL, FEMELLE, MALE	53 à 59
CROIX	64
EMBOUT A SOUDER	72
OBTURATEUR FEMELLE ET MALE	71
REDUCTION MALE - FEMELLE	70
TE EGAL, FEMELLE, MALE	60 - 63
UNION DOUBLE, FEMELLE, MALE	38 à 49

TUBES

GAZ	73
INOX	75
METRIQUE	74 - 75

COLLIERS

DOUBLE	80
SIMPLE	76 à 79

Abréviations

Abbreviations

Ø int. = diamètre intérieur

I.D. = Inside Diameter

Ø ext. = diamètre extérieur

O.D. = Outside Diameter

PS = Pression de Service

WP = Working Pressure

PR = Pression de Rupture

BP = Burst Pressure

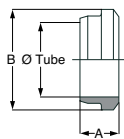
PE = Pression d'Epreuve

TP = Test Pressure

f/p = filets/pouce


f/p = Threads / Inch

B LL

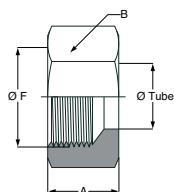


Bague, série française très légère

Compression ring, very light french series


	Référence Reference	PS WP bar	Ø Tube O.D. rigid pipe mm	A mm	B bar
ZFR003572	B 04 LL	100	4,0	6,0	6,0
ZFR003573	B 06 LL	100	6,0	7,0	8,0
ZFR003574	B 08 LL	100	8,0	7,0	10,0
ZFR003575	B 10 LL	100	10,0	6,5	12,0
ZFR003576	B 12 LL	100	12,0	6,5	14,0
ZFR003577	B 14 LL	100	14,0	6,5	16,0
ZFR003579	B 16 LL	100	16,0	7,0	18,5

E LL

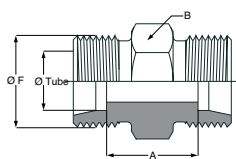


Ecrou, série française très légère

Nut, very light french series


	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR003580	E 04 LL	100	4,0	11,0	10	M8x1,00
ZFR003581	E 06 LL	100	6,0	11,5	12	M10x1,00
ZFR003582	E 08 LL	100	8,0	12,0	14	M12x1,00
ZFR003583	E 10 LL	100	10,0	13,0	17	M14x1,00
ZFR003584	E 12 LL	100	12,0	13,5	19	M16x1,00
ZFR003585	E 14 LL	100	14,0	13,0	22	M18x1,00
ZFR003587	E 16 LL	100	16,0	12,5	27	M22x1,00

UD LL NU

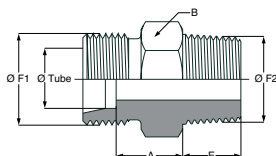


Union double nu, série française très légère

Bare straight coupling, very light french series

	Référence <i>Reference</i>	P.S <i>W.P</i> <i>bar</i>	Ø Tube <i>O.D. rigid pipe</i> <i>mm</i>	A <i>mm</i>	B <i>mm</i>	Ø F - Filetage <i>Ø F - Thread size</i>
ZFR052464	UD 04 LL NU	100	4,0	12,0	12	M8x1,00
ZFR052465	UD 06 LL NU	100	6,0	9,0	12	M10x1,00
ZFR052466	UD 08 LL NU	100	8,0	12,0	12	M12x1,00
ZFR052468	UD 10 LL NU	100	10,0	12,0	14	M14x1,00
ZFR052467	UD 12 LL NU	100	12,0	11,0	17	M16x1,00
ZFR052469	UD 14 LL NU	100	14,0	14,0	19	M18x1,00
ZFR052470	UD 16 LL NU	100	16,0	26,0	24	M22x1,00


UM CO LL NU



Union mâle BSP conique (whitworth) nu, série française très légère

Bare BSP tapered (whitworth) male stud coupling, very light french series

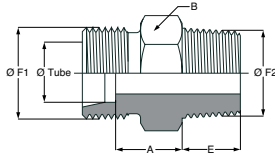
*** sur demande / on request


	Référence <i>Reference</i>	P.S <i>W.P</i> <i>bar</i>	Ø Tube <i>O.D. rigid pipe</i> <i>mm</i>	A <i>mm</i>	B <i>mm</i>	E <i>mm</i>	Ø F1 - Filetage <i>Ø F1 - Thread size</i>	Ø F2 - Filetage <i>Ø F2 - Thread size</i>
ZFR052498	UM 04/05X10 CO LL NU	100	4,0	8,0	12	8,0	M8x1,00	1/8 - 28 f/p
ZFR052499	UM 06/05X10 CO LL NU	100	6,0	6,0	12	8,0	M10x1,00	1/8 - 28 f/p
ZFR052472	UM 06/08X13 CO LL NU	100	6,0	8,0	14	12,0	M10x1,00	1/4 - 28 f/p
ZFR052500	UM 08/05X10 CO LL NU	100	8,0	8,5	12	8,0	M12x1,00	1/8 - 28 f/p
ZFR052501	UM 08/08X13 CO LL NU	100	8,0	10,0	14	12,0	M12x1,00	1/4 - 28 f/p
ZFR052473	UM 10/08X13 CO LL NU	100	10,0	9,0	14	12,0	M14x1,00	1/4 - 28 f/p
ZFR052474	UM 10/12X17 CO LL NU	100	10,0	9,0	19	13,0	M14x1,00	3/8 - 19 f/p
ZFR052475	UM 12/08X13 CO LL NU	100	12,0	10,0	17	12,0	M16x1,00	1/4 - 28 f/p
ZFR052476	UM 12/12X17 CO LL NU	100	12,0	10,0	17	12,0	M16x1,00	3/8 - 19 f/p
ZFR052477	UM 14/12X17 CO LL NU***	-	14,0	-	-	-	M18x1,00	3/8 - 19 f/p
ZFR006243	UM 14/15X21 CO LL NU***	-	14,0	-	-	-	M18x1,00	1/2 - 14 f/p
ZFR052479	UM 16/15X21 CO LL NU***	-	16,0	-	-	-	M22x1,00	1/2 - 14 f/p

UM CO LL NU

Union mâle métrique conique nu,
série française très légère

Bare metric tapered male stud coupling, very light french series

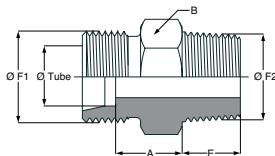



	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR052496 UM 04/08X100 CO LL NU	100	4,0	8,0	11	8,0	M8x1,00	M8x1,00
	ZFR052518 UM 06/06X100 CO LL NU	100	6,0	6,5	11	7,0	M10x1,00	M6x1,00
	ZFR034823 UM 06/08X100 CO LL NU	100	6,0	7,0	11	8,5	M10x1,00	M8x1,00
	ZFR052497 UM 06/10X100 CO LL NU	100	6,0	6,5	11	8,0	M10x1,00	M10x1,00
	ZFR016722 UM 08/10X100 CO LL NU	100	8,0	8,5	12	8,0	M12x1,00	M10x1,00

UM BGGS LL NU

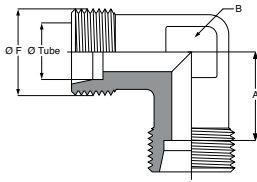
Union mâle BRIGGS (NPT) nu,
série française très légère

Bare NPT male stud coupling, very light french series



	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR016734 UM 04/1/8 BGGS LL NU	100	4,0	8,0	11	10,0	M8x1,00	1/8 - 27 f/p
	ZFR052504 UM 06/1/8 BGGS LL NU	100	6,0	6,5	11	10,0	M10x1,00	1/8 - 27 f/p
	ZFR052505 UM 08/1/8 BGGS LL NU	100	8,0	8,5	12	10,0	M12x1,00	1/8 - 27 f/p


CE LL NU



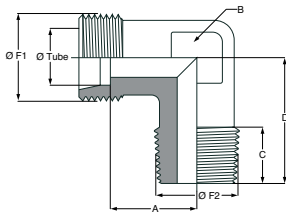
Coude égal nu, série française très légère

Bare equal elbow, very light french series

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR052480	CE 04 LL NU***	-	4,0	-	-	M8x1,00
ZFR052481	CE 06 LL NU	100	6,0	9,5	12	M10x1,00
ZFR052482	CE 08 LL NU	100	8,0	11,5	12	M12x1,00
ZFR052483	CE 10 LL NU***	-	10,0	-	-	M14x1,00
ZFR006265	CE 12 LL NU***	-	12,0	-	-	M16x1,00


CM CO LL NU



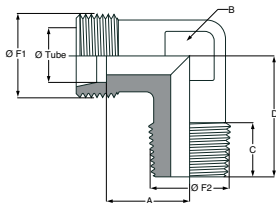
Coude mâle BSP conique (whitworth) nu, série française très légère

Bare BSP tapered (whitworth) male stud elbow, very light french series

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR052509	CM 04/05X10 CO LL NU	100	4,0	11,0	9	8,0	17,0	M8x1,00	1/8 - 28 f/p
ZFR052510	CM 06/05X10 CO LL NU	100	6,0	9,5	9	8,0	17,0	M10x1,00	1/8 - 28 f/p
ZFR052484	CM 06/08X13 CO LL NU***	-	6,0	-	-	-	-	M10x1,00	1/4 - 19 f/p
ZFR052511	CM 08/05X10 CO LL NU	100	8,0	11,5	12	8,0	20,0	M12x1,00	1/8 - 28 f/p
ZFR052485	CM 08/08X13 CO LL NU	100	8,0	11,5	12	12,0	22,5	M12x1,00	1/4 - 19 f/p
ZFR052486	CM 10/08X13 CO LL NU***	-	10,0	-	-	-	-	M14x1,00	1/4 - 19 f/p
ZFR052487	CM 10/12X17 CO LL NU***	-	10,0	-	-	-	-	M14x1,00	3/8 - 19 f/p
ZFR052488	CM 12/08X13 CO LL NU	100	12,0	17,0	17	12,0	25,0	M16x1,00	1/4 - 19 f/p
ZFR052489	CM 12/12X17 CO LL NU	100	12,0	19,0	17	11,5	27,0	M16x1,00	3/8 - 19 f/p
ZFR052490	CM 14/12X17 CO LL NU	100	14,0	22,0	17	13,0	27,0	M18x1,00	3/8 - 19 f/p
ZFR006282	CM 16/12X17 CO LL NU***	-	16,0	-	-	-	-	M22x1,00	3/8 - 19 f/p

CM CO LL NU



Coude mâle métrique conique nu, série française très légère

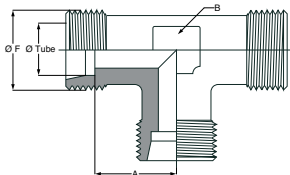
Bare metric tapered male stud elbow, very light french series

Disponibilité en INOX : nous consulter

Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR052506	CM 04/08X100 CO LL NU	100	4,0	11,0	7	8,0	16,0	M8x1,00	M8x1,00
ZFR052519	CM 06/06X100 CO LL NU	100	6,0	9,0	9	8,0	16,0	M10x1,00	M6x1,00
ZFR052507	CM 06/10X100 CO LL NU	100	6,0	9,0	9	8,0	16,0	M10x1,00	M10x1,00
ZFR052508	CM 08/10X100 CO LL NU	100	8,0	11,0	12	8,0	19,0	M12x1,00	M10x1,00

T LL NU



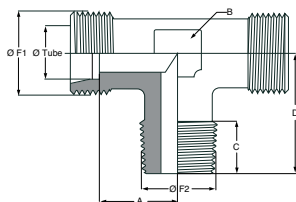
Té égal nu, série française très légère

Bare equal stud tee, very light french series

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR052491	T 04 LL NU	100	4,0	11,0	9	M8x1,00
ZFR052492	T 06 LL NU	100	6,0	9,5	9	M10x1,00
ZFR052493	T 08 LL NU	100	8,0	11,5	12	M12x1,00
ZFR052494	T 10 LL NU***	-	10,0	-	-	M14x1,00
ZFR006295	T 12 LL NU***	-	12,0	-	-	M16x1,00

TM CO LL NU

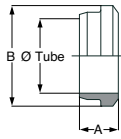


Té mâle BSP conique (whitworth) nu, série française très légère

Bare BSP tapered (whitworth) male stud branch tee, very light french series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR016829	TM 04/05X10 CO LL NU	100	4,0	11,0	7	8,0	8,0	M8x1,00	1/8 - 28 f/p
ZFR052512	TM 06/05X10 CO LL NU	100	6,0	9,5	9	8,0	8,0	M10x1,00	1/8 - 28 f/p
ZFR052513	TM 08/05X10 CO LL NU	100	8,0	11,5	12	8,0	11,5	M12x1,00	1/8 - 28 f/p


B



Bague

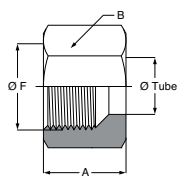
Compression ring

*** sur demande / on request

	Référence Reference	PS WP bar	Ø Tube O.D. rigid pipe mm	A mm	B bar
ZFR002296	B 13	400	13,25	10,0	17,0
ZFR002297	B 17	400	16,75	10,0	20,0
ZFR002298	B 21	250	21,50	10,6	25,0
ZFR002299	B 27	250	27,10	10,8	31,0
ZFR002300	B 33	160	33,50	10,5	38,0
ZFR002301	B 42	100	42,25	10,5	47,0
ZFR002303	B 04	400	4,0	7,2	6,0
ZFR002304	B 06***	-	6,0	-	-
ZFR002305	B 08	630	8,0	10,0	12,0
ZFR002306	B 10	630	10,0	10,0	14,0
ZFR002307	B 12	630	12,0	10,0	16,0
ZFR002308	B 14***	-	14,0	-	-
ZFR002309	B 15	315	15,0	10,0	19,0
ZFR002310	B 16	400	16,0	10,0	21,0
ZFR002311	B 18	315	18,0	10,0	23,0
ZFR002312	B 20***	-	20,0	-	-
ZFR002313	B 22***	-	22,0	-	-
ZFR002314	B 25***	-	25,0	-	-
ZFR002315	B 28***	-	28,0	-	-
ZFR002316	B 30	160	30,0	10,5	34,0

E


"N" and "GAZ" series



Ecrou

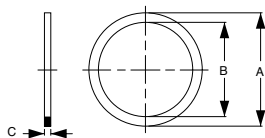
Nut

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR005298	E 13/24	400	13,25	17,0	24	M20x1,50
ZFR005296	E 13/27	400	13,25	17,0	27	M20x1,50
ZFR002323	E 17	400	16,75	18,0	30	M24x1,50
ZFR002324	E 21	250	21,25	20,5	36	M30x1,50
ZFR002325	E 27	250	26,75	21,5	46	M36x1,50
ZFR002326	E 33	160	33,50	23,5	55	M45x1,50
ZFR002327	E 42	100	42,25	24,5	65	M52x1,50
ZFR002328	E 49	100	48,25	26,0	70	M58x2,00
ZFR002329	E 04	400	4,0	12,0	12	M10x1,00
ZFR002330	E 06	400	6,0	15,5	17	M12x1,00
ZFR012720	E 08 L	400	8,0	16,0	17	M14x1,50
ZFR012721	E 10 L	400	10,0	16,0	22	M16x1,50
ZFR012722	E 12 L	400	12,0	17,0	24	M18x1,50
ZFR002334	E 14	400	14,0	17,0	27	M20x1,50
ZFR012723	E 15 L	400	15,0	17,0	27	M22x1,50
ZFR002336	E 16	400	16,0	21,0	30	M24x1,50
ZFR002337	E 18	250	18,0	20,0	32	M27x1,50
ZFR002338	E 20	250	20,0	24,5	36	M27x1,50
ZFR002339	E 22	250	22,0	20,5	36	M30x1,50
ZFR002340	E 25***	-	25,0	-	-	M33x1,50
ZFR002342	E 30***	-	30,0	-	-	M39x1,50
ZFR002344	E 35***	-	35,0	-	-	M45x1,50


SÉRIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES

JC

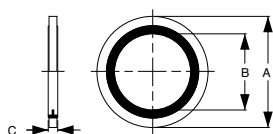


Joint cuivre

Copper sealing ring


	Référence <i>Reference</i>	A	B	C
		mm	mm	mm
ZFR002831	COFFRET JC	-	-	-
ZFR006161	JC 05	9,0	5,2	1,0
ZFR002348	JC 06	10,0	6,1	1,0
ZFR002349	JC 08	12,0	8,2	1,0
ZFR002350	JC 10	14,0	10,2	1,0
ZFR002351	JC 11	18,0	11,2	1,5
ZFR002352	JC 12	15,5	12,2	1,5
ZFR002354	JC 13	17,0	13,2	1,5
ZFR002355	JC 14	18,0	14,2	1,5
ZFR002357	JC 15	19,0	15,2	1,5
ZFR002358	JC 16	20,0	16,2	1,5
ZFR002359	JC 17	21,0	17,2	1,5
ZFR002360	JC 18	22,0	18,2	1,5
ZFR002361	JC 19	24,0	19,2	1,5
ZFR002362	JC 20	24,0	20,2	1,5
ZFR002363	JC 21	26,0	21,2	1,5
ZFR002364	JC 22	27,0	22,2	1,5
ZFR002365	JC 24	29,0	24,2	2,0
ZFR002366	JC 25	30,0	25,2	2,0
ZFR002367	JC 26	31,0	26,2	2,0
ZFR002368	JC 27	32,0	27,2	2,0
ZFR002369	JC 30	36,0	30,2	2,0
ZFR002370	JC 33	40,0	33,2	2,0
ZFR002373	JC 36	42,0	36,2	2,0
ZFR002375	JC 42	49,0	42,2	2,0
ZFR002377	JC 45	52,0	45,2	2,0
ZFR002378	JC 48	55,0	48,2	2,0
ZFR002379	JC 52	62,0	52,2	2,0
ZFR063428	JC TG 1/4			
ZFR004377	JC TG 3/8	15,0	6,2	1,5
ZFR006139	JC TG 1/2	18,0	10,2	1,5
ZFR004378	JC TG 3/4	24,0	16,9	1,5

BAGUE BS

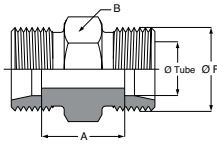


Anneau métallique anti-extrusion
avec lèvres caoutchouc auto-centrante

Bonded sealing ring, metallic anti-extrusion ring
with self-centring rubber membrane

	Référence Reference	A mm	B mm	C mm
ZFR002832	COFFRET BAGUE BS	-	-	-
ZFR021776	BAGUE BS 08	14,00	8,70	1,10
ZFR015029	BAGUE BS 10	16,00	10,70	1,50
ZFR015030	BAGUE BS 12	18,00	12,70	1,50
ZFR015020	BAGUE BS 13	20,63	13,71	2,10
ZFR015031	BAGUE BS 14	22,00	14,70	1,50
ZFR015032	BAGUE BS 16	24,00	16,70	1,50
ZFR015021	BAGUE BS 17	23,87	17,25	2,10
ZFR015033	BAGUE BS 18	26,00	18,70	1,50
ZFR021773	BAGUE BS 20	28,00	20,70	1,50
ZFR015022	BAGUE BS 21	28,64	21,51	2,47
ZFR015034	BAGUE BS 22	30,00	22,70	2,00
ZFR021774	BAGUE BS 24	32,00	24,70	2,00
ZFR015035	BAGUE BS 26	35,00	26,70	2,00
ZFR015024	BAGUE BS 27	34,99	27,00	2,47
ZFR015036	BAGUE BS 30	39,00	30,70	2,00
ZFR015025	BAGUE BS 33	42,86	33,85	3,40
ZFR015037	BAGUE BS 38	47,81	39,00	3,40
ZFR015026	BAGUE BS 42	52,44	42,90	3,40
ZFR015038	BAGUE BS 45	57,21	45,35	3,40
ZFR015027	BAGUE BS 49	58,66	48,40	3,40
ZFR015039	BAGUE BS 52	63,56	51,70	3,40
ZFR015028	BAGUE BS 60	73,09	60,60	3,40
ZFR015040	BAGUE BS 65	79,50	66,60	3,40


UD NU



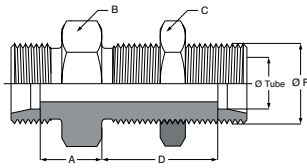
Union double nu

Bare straight coupling

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR002417	UD 13 NU	400	13,25	13,0	22	M20x1,50
ZFR002418	UD 17 NU	400	16,75	14,0	27	M24x1,50
ZFR002419	UD 21 NU	250	21,25	19,0	32	M30x1,50
ZFR002420	UD 27 NU	250	26,75	20,0	36	M36x1,50
ZFR002421	UD 33 NU	160	33,50	26,0	46	M45x1,50
ZFR002422	UD 42 NU***	-	42,25	-	-	M52x1,50
ZFR002425	UD 06 NU	400	6,0	11,0	12	M12x1,00
ZFR002426	UD 08 L NU	250	8,0	11,0	14	M14x1,50
ZFR002427	UD 10 L NU	250	10,0	13,0	17	M16x1,50
ZFR002428	UD 12 L NU	250	12,0	14,0	19	M18x1,50
ZFR002429	UD 14 NU	400	14,0	13,0	22	M20x1,50
ZFR002430	UD 15 L NU	250	15,0	16,0	24	M22x1,50
ZFR002431	UD 16 S NU	400	16,0	21,0	27	M24x1,50
ZFR002432	UD 18 NU***	250	18,0	18,0	30	M27x1,50
ZFR002433	UD 20 NU	250	20,0	18,0	30	M27x1,50
ZFR002434	UD 22 NU	250	22,0	19,0	32	M30x1,50
ZFR002435	UD 25 NU***	-	25,0	-	-	M33x1,50
ZFR002437	UD 30 NU***	-	30,0	-	-	M39x1,50
ZFR002439	UD 35 NU***	-	35,0	-	-	M45x1,50


UDC NU



Union double de cloison nu

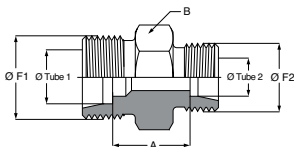
Bare bulkhead straight coupling

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
ZFR002443	UDC 13 CL 20 NU	400	13,25	10,0	27	27	29,0	M20x1,50
ZFR002444	UDC 17 CL 20 NU	400	16,75	10,0	32	32	30,0	M24x1,50
ZFR002445	UDC 21 NU	250	21,25	13,0	36	36	28,0	M30x1,50
ZFR002446	UDC 27 NU	250	26,75	15,0	46	46	18,0	M36x1,50
ZFR010697	UDC 27 CL 20 NU***	-	26,75	-	-	-	-	M36x1,50
ZFR002447	UDC 33 NU	160	33,50	19,5	60	60	22,0	M45x1,50
ZFR002451	UDC 06 NU***	-	6,0	-	-	-	-	M12x1,00
ZFR002452	UDC 08 L NU	250	8,0	8,0	19	19	27,0	M14x1,50
ZFR002453	UDC 10 L NU	250	10,0	10,0	22	22	28,0	M16x1,50
ZFR002454	UDC 12 L NU	250	12,0	10,0	24	24	29,0	M18x1,50
ZFR002455	UDC 14 NU***	-	14,0	-	-	-	-	M20x1,50
ZFR002456	UDC 15 L NU	250	15,0	12,0	27	30	31,0	M22x1,50
ZFR002457	UDC 16 S NU	400	16,0	16,5	32	32	31,5	M24x1,50
ZFR002459	UDC 20 NU***	-	20,0	-	-	-	-	M27x1,50

SERIE "N" et "GAZ" ACIER
STEEL "N" and "Gaz" SERIES


UDR NU



Union double de réduction nu

Bare reducing straight coupling

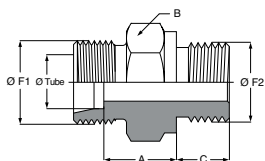
*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube 1 O.D. 1 rigid pipe mm	Ø Tube 2 O.D. 2 rigid pipe mm	A mm	B mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR002483	UDR 13/10 NU	400	13,25	10,0	14,0	22	M20x1,50	M16x1,50
ZFR002486	UDR 21/13 NU	250	21,25	13,25	17,0	30	M30x1,50	M20x1,50
ZFR002487	UDR 21/17 NU	250	21,25	16,75	17,0	32	M30x1,50	M24x1,50
ZFR002489	UDR 27/21 NU	250	26,75	21,25	20,0	41	M36x1,50	M30x1,50
ZFR002491	UDR 33/27 NU	160	33,25	26,75	24,0	46	M45x1,50	M36x1,50
ZFR002494	UDR 08/06 NU***	-	8,0	6,0	-	-	M14x1,50	M12x1,00
ZFR002496	UDR 10/08 L NU	250	10,0	8,0	12,0	17	M16x1,50	M14x1,50
ZFR002497	UDR 12/08 L NU	250	12,0	8,0	13,0	19	M18x1,50	M14x1,50
ZFR002498	UDR 12/10 L NU	250	12,0	10,0	14,0	19	M18x1,50	M16x1,50


UM NU

Union mâle métrique (ISO) nu

Bare ISO metric male stud coupling

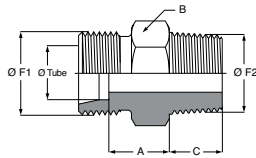


*** sur demande / on request

	Référence Reference	P.S	Ø Tube	A	B	C	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm		
ZFR002509	UM 13/16X150 NU	400	13,25	12,0	22	10,0	M20x1,50	M16x1,50
ZFR002510	UM 13/18X150 NU	400	13,25	12,0	24	12,0	M20x1,50	M18x1,50
ZFR002511	UM 13/20X150 NU	400	13,25	13,0	27	12,0	M20x1,50	M20x1,50
ZFR021533	UM 13/22X150 NU	400	13,25	13,0	27	14,0	M20x1,50	M22x1,50
ZFR002512	UM 17/18X150 NU	400	16,75	12,0	27	12,0	M24x1,50	M18x1,50
ZFR002513	UM 17/20X150 NU	400	16,75	13,0	27	12,0	M24x1,50	M20x1,50
ZFR002514	UM 17/22X150 NU	400	16,75	13,0	30	14,0	M24x1,50	M22x1,50
ZFR002515	UM 21/22X150 NU	250	21,25	15,0	32	14,0	M30x1,50	M22x1,50
ZFR002517	UM 06/10X100 CYL NU***	-	6,0	-	-	-	M12x1,00	M10x1,00
ZFR002518	UM 08/12X100 NU	400	8,0	9,5	17	8,0	M14x1,50	M12x1,00
ZFR007996	UM 08/14X150 NU	400	8,0	10,5	19	10,0	M14x1,50	M14x1,50
ZFR002520	UM 10/12X100 NU	400	10,0	9,5	17	8,0	M16x1,50	M12x1,00
ZFR002521	UM 10/14X125 NU***	-	10,0	-	-	-	M16x1,50	M14x1,25
ZFR002522	UM 10/14X150 CYL JE L NU	250	10,0	11,0	19	12,0	M16x1,50	M14x1,50
ZFR002523	UM 10/16X150 CYL JE L NU	250	10,0	12,5	22	12,0	M16x1,50	M16x1,50
ZFR002524	UM 10/18X150 CYL JE L NU	250	10,0	12,5	24	12,0	M16x1,50	M18x1,50
ZFR002525	UM 12/16X150 CYL JE L NU	250	12,0	12,5	22	12,0	M18x1,50	M16x1,50
ZFR003434	UM 12/18X150 CYL JE L NU	250	12,0	12,5	24	12,0	M18x1,50	M18x1,50
ZFR007997	UM 12/22X150 CYL JE L NU	250	12,0	14,0	27	14,0	M18x1,50	M22x1,50
ZFR002527	UM 14/18X150 NU	400	14,0	12,0	24	12,0	M20x1,50	M18x1,50
ZFR002529	UM 15/18X150 CYL JE L NU	250	15,0	13,5	24	12,0	M22x1,50	M18x1,50
ZFR002530	UM 16/20X150 NU***	-	16,0	-	-	-	M24x1,50	M20x1,50
ZFR009005	UM 16/22X150 CYL JE S NU	400	16,0	18,5	27	14,0	M24x1,50	M22x1,50
ZFR002532	UM 18/22X150 NU***	-	18,0	-	-	-	M27x1,50	M22x1,50

UM CO NU

"N" and "GAZ" series



Union mâle conique (whitworth) nu

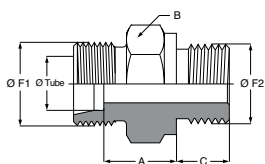
Bare BSP tapered (whitworth) male stud coupling

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
	ZFR002538	UM 13/08X13 CO NU	400	13,25	10,0	22	12,5	M20x1,50	1/4 - 19 f/p
	ZFR002539	UM 13/12X17 CO NU	400	13,25	10,0	22	13,0	M20x1,50	3/8 - 19 f/p
	ZFR002540	UM 13/15X21 CO NU	400	13,25	11,0	22	17,0	M20x1,50	1/2 - 14 f/p
	ZFR002541	UM 17/08X13 CO NU	400	16,75	11,0	27	12,5	M24x1,50	1/4 - 19 f/p
	ZFR002542	UM 17/12X17 CO NU	400	16,75	11,0	27	13,0	M24x1,50	3/8 - 19 f/p
	ZFR002543	UM 17/15X21 CO NU	400	16,75	11,0	27	17,0	M24x1,50	1/2 - 14 f/p
	ZFR002544	UM 17/21X27 CO NU	400	16,75	12,0	27	19,0	M24x1,50	3/4 - 14 f/p
	ZFR002545	UM 21/12X17 CO NU	250	21,25	14,0	32	13,0	M30x1,50	3/8 - 19 f/p
	ZFR002546	UM 21/15X21 CO NU	250	21,25	14,0	32	17,0	M30x1,50	1/2 - 14 f/p
	ZFR002547	UM 21/21X27 CO NU	250	21,25	14,0	32	18,1	M30x1,50	3/4 - 14 f/p
	ZFR002548	UM 27/15X21 CO NU	250	26,75	15,0	41	17,0	M36x1,50	1/2 - 14 f/p
	ZFR002549	UM 27/21X27 CO NU	250	26,75	15,0	36	18,1	M36x1,50	3/4 - 14 f/p
	ZFR002550	UM 27/26X34 CO NU	250	26,75	15,0	36	21,5	M36x1,50	1" - 11 f/p
	ZFR002551	UM 33/26X34 CO NU	160	33,50	19,0	46	21,5	M45x1,50	1" - 11 f/p
	ZFR002552	UM 33/33X42 CO NU	160	33,50	19,0	46	24,0	M45x1,50	1 1/4 - 11 f/p
	ZFR002554	UM 42/40X49 CO NU	100	42,25	21,0	55	24,0	M52x1,50	1 1/2 - 11 f/p
	ZFR002557	UM 06/05X10 CO NU***	-	6,0	-	-	-	M12x1,00	1/8 - 28 f/p
	ZFR002558	UM 06/08X13 CO NU***	-	6,0	-	-	-	M12x1,00	1/4 - 19 f/p
	ZFR002559	UM 08/05X10 CO L NU	400	8,0	9,0	14	8,5	M14x1,50	1/8 - 28 f/p
	ZFR002560	UM 08/08X13 CO L NU	250	8,0	8,0	17	12,0	M14x1,50	1/4 - 19 f/p
	ZFR002561	UM 08/12X17 CO L NU	250	8,0	9,0	19	12,0	M14x1,50	3/8 - 19 f/p
	ZFR018164	UM 08/15X21 CO L NU	250	8,0	9,0	22	14,0	M14x1,50	1/2 - 14 f/p
	ZFR002562	UM 10/05X10 CO NU	400	10,0	9,0	17	8,5	M16x1,50	1/8 - 28 f/p
	ZFR002563	UM 10/08X13 CO L NU	250	10,0	9,0	17	12,0	M16x1,50	1/4 - 19 f/p
	ZFR002564	UM 10/12X17 CO L NU	250	10,0	10,0	19	12,0	M16x1,50	3/8 - 19 f/p
	ZFR002565	UM 10/15X21 CO L NU	250	10,0	10,0	22	14,0	M16x1,50	1/2 - 14 f/p
	ZFR002566	UM 12/08X13 CO L NU	250	12,0	10,0	19	12,0	M18x1,50	1/4 - 19 f/p
	ZFR002567	UM 12/12X17 CO L NU	250	12,0	10,0	19	12,0	M18x1,50	3/8 - 19 f/p
	ZFR002568	UM 12/15X21 CO L NU	250	12,0	10,0	22	14,0	M18x1,50	1/2 - 14 f/p
	ZFR002569	UM 14/12X17 CO NU	400	14,0	10,0	22	13,0	M20x1,50	3/8 - 19 f/p
	ZFR002570	UM 14/15X21 CO NU	400	14,0	11,0	24	17,0	M20x1,50	1/2 - 14 f/p
	ZFR002571	UM 15/12X17 CO L NU	250	15,0	10,6	22	12,0	M22x1,50	3/8 - 19 f/p
	ZFR002572	UM 15/15X21 CO L NU	250	15,0	11,0	24	14,0	M22x1,50	1/2 - 14 f/p
	ZFR002573	UM 16/12X17 CO NU	400	16,0	15,5	27	12,0	M24x1,50	3/8 - 19 f/p
	ZFR002574	UM 16/15X21 CO S NU	400	16,0	15,5	27	14,0	M24x1,50	1/2 - 14 f/p
	ZFR002575	UM 18/15X21 CO NU***	-	18,0	-	-	-	M27x1,50	1/2 - 14 f/p
	ZFR002576	UM 20/15X21 CO NU***	-	20,0	-	-	-	M27x1,50	1/2 - 14 f/p
	ZFR002577	UM 20/21X27 CO NU***	-	20,0	-	-	-	M27x1,50	3/4 - 14 f/p
	ZFR002578	UM 22/21X27 CO NU	250	22,0	14,0	32	19,0	M30x1,50	3/4 - 14 f/p
	ZFR002581	UM 30/26X34 CO NU***	-	30,0	-	-	-	M39x1,50	1" - 11 f/p
	ZFR002582	UM 35/33X42 CO NU***	-	35,0	-	-	-	M45x1,50	1 1/4 - 11 f/p

UM CYL NU


'N" and "GAZ" series



Union mâle cylindrique (whitworth) nu

Bare BSP parallel (whitworth) male stud coupling

*** sur demande / on request

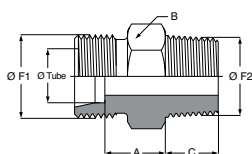
	Référence Reference	P.S	Ø Tube	A	B	C	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	mm	mm
		bar	mm	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
ZFR002584	UM 13/08X13 CYL NU	400	13,25	10,5	22	10,0	M20x1,50	1/4 - 19 f/p
ZFR002585	UM 13/12X17 CYL NU	400	13,25	12,0	22	10,0	M20x1,50	3/8 - 19 f/p
ZFR002586	UM 13/15X21 CYL NU	400	13,25	13,0	27	12,0	M20x1,50	1/2 - 14 f/p
ZFR002587	UM 17/08X13 CYL NU	400	16,75	11,0	27	10,0	M24x1,50	1/4 - 19 f/p
ZFR002588	UM 17/12X17 CYL NU	400	16,75	12,0	27	10,0	M24x1,50	3/8 - 19 f/p
ZFR002589	UM 17/15X21 CYL NU	400	16,75	13,0	27	12,0	M24x1,50	1/2 - 14 f/p
ZFR021778	UM 17/21X27 CYL NU	400	16,90	14,0	32	16,2	M24x1,50	3/4 - 14 f/p
ZFR002590	UM 21/15X21 CYL NU	250	21,25	15,0	32	12,0	M30x1,50	1/2 - 14 f/p
ZFR002591	UM 21/21X27 CYL NU	250	21,25	16,5	32	16,0	M30x1,50	3/4 - 14 f/p
ZFR002592	UM 27/21X27 CYL NU	250	26,75	16,5	36	16,0	M36x1,50	3/4 - 14 f/p
ZFR002593	UM 27/26X34 CYL NU	250	26,75	18,5	41	16,0	M36x1,50	1" - 11 f/p
ZFR002594	UM 33/26X34 CYL NU	160	33,50	20,5	46	16,0	M45x1,50	1" - 11 f/p
ZFR002595	UM 33/33X42 CYL NU	160	33,50	23,0	50	18,0	M45x1,50	1"1/4 - 11 f/p
ZFR002596	UM 42/33X42 CYL NU	100	42,25	23,0	55	18,0	M52x1,50	1"1/4 - 11 f/p
ZFR002597	UM 42/40X49 CYL NU	100	42,25	23,0	60	18,0	M52x1,50	1"1/2 - 11 f/p
ZFR002600	UM 06/05X10 CYL NU***	-	6,0	-	-	-	M12x1,00	1/8 - 28 f/p
ZFR002601	UM 06/08X13 CYL NU***	-	6,0	-	-	-	M12x1,00	1/4 - 19 f/p
ZFR002603	UM 08/05X10 CYL JE L NU	250	8,0	9,5	14	8,0	M14x1,50	1/8 - 28 f/p
ZFR002604	UM 08/08X13 CYL JE L NU	250	8,0	10,0	19	12,0	M14x1,50	1/4 - 19 f/p
ZFR021777	UM 08/12X17 CYL JE L NU	250	8,0	11,5	22	12,0	M14x1,50	3/8 - 19 f/p
ZFR002605	UM 10/08X13 CYL JE L NU	250	10,0	11,0	19	12,0	M16x1,50	1/4 - 19 f/p
ZFR002606	UM 10/12X17 CYL JE L NU	250	10,0	12,5	22	12,0	M16x1,50	3/8 - 19 f/p
ZFR002607	UM 12/08X13 CYL JE L NU	250	12,0	12,0	19	12,0	M18x1,50	1/4 - 19 f/p
ZFR002608	UM 12/12X17 CYL JE L NU	250	12,0	12,5	22	12,0	M18x1,50	3/8 - 19 f/p
ZFR002609	UM 12/15X21 CYL JE L NU	250	12,0	13,0	27	14,0	M18x1,50	1/2 - 14 f/p
ZFR002610	UM 14/12X17 CYL NU	400	14,0	12,0	22	10,0	M20x1,50	3/8 - 19 f/p
ZFR002611	UM 14/15X21 CYL NU	400	14,0	13,0	27	12,0	M20x1,50	1/2 - 14 f/p
ZFR002612	UM 15/15X21 CYL JE L NU	250	15,0	14,0	27	14,0	M22x1,50	1/2 - 14 f/p
ZFR002613	UM 16/12X17 CYL JE S NU	400	16,0	12,0	27	10,0	M24x1,50	3/8 - 19 f/p
ZFR002614	UM 16/15X21 CYL JE S NU	400	16,0	18,5	27	14,0	M24x1,50	1/2 - 14 f/p
ZFR002615	UM 18/15X21 CYL NU***	-	18,0	-	-	-	M27x1,50	1/2 - 14 f/p
ZFR002619	UM 25/21X27 CYL NU***	-	25,0	-	-	-	M33x1,50	3/4 - 14 f/p
ZFR002621	UM 30/26X34 CYL NU***	-	30,0	-	-	-	M39x1,50	1" - 11 f/p

UM BGGs NU


"N" and "GAZ" series

Union mâle BRIGGS (NPT) nu

Bare NPT male stud coupling



*** sur demande / on request

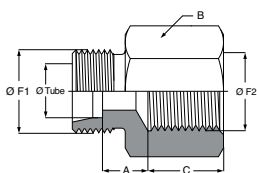
	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage	Ø F2 - Filetage
							Ø F1 - Thread size	Ø F2 - Thread size
ZFR002623	UM 13/1/4 BGGs NU***	-	13,25	-	-	-	M20x1,50	1/4 - 18 f/p
ZFR002624	UM 13/3/8 BGGs NU	400	13,25	10,0	22	12,0	M20x1,50	3/8 - 18 f/p
ZFR002626	UM 17/3/8 BGGs NU	400	16,75	11,0	27	12,0	M24x1,50	3/8 - 18 f/p
ZFR002627	UM 17/1/2 BGGs NU	400	16,75	11,0	27	16,0	M24x1,50	1/2 - 14 f/p
ZFR002634	UM 06/1/8 BGGs NU	400	6,0	9,0	12	8,0	M12x1,00	1/8 - 27 f/p
ZFR002636	UM 08/1/8 BGGs NU	400	8,0	9,0	14	8,0	M14x1,50	1/8 - 27 f/p
ZFR002637	UM 08/1/4 BGGs L NU	250	8,0	8,0	17	15,0	M14x1,50	1/4 - 18 f/p
ZFR002638	UM 10/1/4 BGGs L NU	250	10,0	9,0	17	15,0	M16x1,50	1/4 - 18 f/p
ZFR002639	UM 10/3/8 BGGs L NU	250	10,0	10,0	19	15,0	M16x1,50	3/8 - 18 f/p
ZFR002640	UM 12/1/4 BGGs L NU	250	12,0	10,0	19	15,0	M18x1,50	1/4 - 18 f/p
ZFR002641	UM 12/3/8 BGGs L NU	250	12,0	10,0	19	15,0	M18x1,50	3/8 - 18 f/p
ZFR002644	UM 15/1/2 BGGs L NU	250	15,0	11,5	24	19,5	M22x1,50	1/2 - 14 f/p
ZFR002645	UM 16/3/8 BGGs S NU	400	16,0	11,0	27	12,0	M24x1,50	3/8 - 18 f/p
ZFR002646	UM 16/1/2 BGGs S NU	400	16,0	16,0	27	19,5	M24x1,50	1/2 - 14 f/p

SÉRIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES

UF NU


'N' and "GAZ" series

Union femelle (whitworth) nu



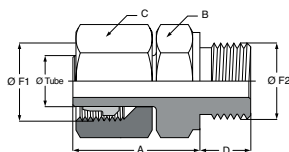
Bare BSP parallel (whitworth) female stud coupling

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR002657	UF 13/08X13 NU	400	13,25	7,0	22	12,0	M20x1,50	1/4 - 19 f/p
ZFR002658	UF 13/12X17 NU	400	13,25	7,0	22	11,5	M20x1,50	3/8 - 19 f/p
ZFR002659	UF 13/15X21 NU	400	13,25	7,0	27	15,0	M20x1,50	1/2 - 14 f/p
ZFR002660	UF 17/12X17 NU	400	16,75	7,0	27	12,0	M24x1,50	3/8 - 19 f/p
ZFR002661	UF 17/15X21 NU	400	16,75	7,0	27	14,0	M24x1,50	1/2 - 14 f/p
ZFR002662	UF 21/15X21 NU	250	21,25	9,0	32	14,0	M30x1,50	1/2 - 14 f/p
ZFR002663	UF 21/21X27 NU	250	21,25	9,0	32	16,0	M30x1,50	3/4 - 14 f/p
ZFR002664	UF 27/21X27 NU	250	26,75	9,0	41	16,0	M36x1,50	3/4 - 14 f/p
ZFR002665	UF 33/26X34 NU	160	33,50	13,0	46	18,0	M45x1,50	1" - 11 f/p
ZFR002669	UF 06/08X13 NU***	-	6,0	-	-	-	M12x1,00	1/4 - 19 f/p
ZFR002670	UF 08/08X13 CYL L NU	250	8,0	10,0	19	14,0	M14x1,50	1/4 - 19 f/p
ZFR012463	UF 08/12X17 CYL L NU	250	8,0	8,0	22	11,5	M14x1,50	3/8 - 19 f/p
ZFR002671	UF 08/15X21 NU	400	8,0	7,0	27	14,0	M14x1,50	1/2 - 14 f/p
ZFR002672	UF 10/08X13 CYL L NU	250	10,0	11,0	19	14,0	M16x1,50	1/4 - 19 f/p
ZFR002673	UF 10/12X17 NU	400	10,0	7,0	22	11,5	M16x1,50	3/8 - 19 f/p
ZFR002674	UF 10/15X21 NU	400	10,0	7,0	27	14,0	M16x1,50	1/2 - 14 f/p
ZFR002675	UF 12/08X13 CYL L NU	250	12,0	12,0	19	14,0	M18x1,50	1/4 - 19 f/p
ZFR002676	UF 12/12X17 CYL L NU	250	12,0	12,0	24	14,0	M18x1,50	3/8 - 19 f/p
ZFR002677	UF 12/15X21 CYL L NU	250	12,0	7,5	27	14,5	M18x1,50	1/2 - 14 f/p
ZFR002679	UF 14/15X21 NU***	-	14,0	-	-	-	M20x1,50	1/2 - 14 f/p
ZFR002681	UF 15/15X21 CYL L NU	250	15,0	14,0	27	17,0	M22x1,50	1/2 - 14 f/p
ZFR002683	UF 16/15X21 CYL S NU	400	16,0	14,5	30	17,0	M24x1,50	1/2 - 14 f/p

AT MET


"N" and "GAZ" series



Adapteur tournant métrique (ISO)

Metric ISO standpipe stud adaptor

*** sur demande / on request

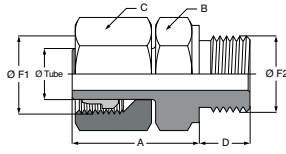
	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR005993	400	13,25	32,0	22	24	10,0	M20x1,50	M16x1,50
	ZFR005994	400	13,25	32,0	24	24	12,0	M20x1,50	M18x1,50
	ZFR005995	400	13,25	24,0	27	27	12,0	M20x1,50	M20x1,50
	ZFR018330	400	13,25	33,5	30	24	14,0	M20x1,50	M22x1,50
	ZFR005996	400	16,75	23,0	24	30	12,0	M24x1,50	M18x1,50
	ZFR018312	400	16,75	36,0	30	30	14,0	M24x1,50	M22x1,50
	ZFR005998	-	6,0	-	-	-	-	M12x1,00	M10x1,00
	ZFR005999	400	8,0	20,5	17	19	8,0	M14x1,50	M12x1,00
	ZFR006001	400	10,0	23,0	22	22	10,0	M16x1,50	M16x1,50
	ZFR017824	400	10,0	23,5	22	24	12,0	M16x1,50	M18x1,50
	ZFR006003	400	12,0	23,0	24	24	12,0	M18x1,50	M18x1,50
	ZFR006162	400	14,0	23,0	24	27	12,0	M20x1,50	M18x1,50
	ZFR017697	400	16,0	23,5	30	24	12,0	M24x1,50	M18x1,50
	ZFR006005	250	18,0	25,0	30	32	14,0	M27x1,50	M22x1,50

SÉRIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES


AT CYL

Adapteur tournant cylindrique (whitworth)

BSP parallel (whitworth) standpipe stud adaptor

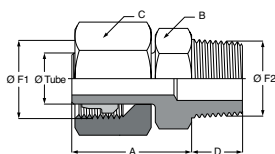


*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR006008	AT 13/08X13 CYL	400	13,25	31,0	17	24	10,0	M20x1,50	1/4 - 19 f/p
ZFR006009	AT 13/12X17 CYL	400	13,25	32,0	22	24	10,0	M20x1,50	3/8 - 19 f/p
ZFR006010	AT 13/15X21 CYL	400	13,25	25,0	27	27	12,0	M20x1,50	1/2 - 14 f/p
ZFR007276	AT 17/08X13 CYL	250	16,75	33,0	19	30	10,0	M24x1,50	1/4 - 19 f/p
ZFR006011	AT 17/12X17 CYL	250	16,75	34,0	22	30	10,0	M24x1,50	3/8 - 19 f/p
ZFR006012	AT 17/15X21 CYL	250	16,75	24,0	27	30	12,0	M24x1,50	1/2 - 14 f/p
ZFR017896	AT 17/21X27 CYL	250	16,75	36,5	32	30	16,0	M24x1,50	3/4 - 14 f/p
ZFR006013	AT 21/15X21 CYL	250	21,25	37,0	27	36	12,0	M30x1,50	1/2 - 14 f/p
ZFR006014	AT 21/21X27 CYL	250	21,25	38,5	32	36	16,0	M30x1,50	3/4 - 14 f/p
ZFR006015	AT 27/21X27 CYL	250	26,75	26,5	36	46	16,0	M36x1,50	3/4 - 14 f/p
ZFR006016	AT 27/26X34 CYL	250	26,75	40,5	41	42	16,0	M36x1,50	1" - 11 f/p
ZFR006165	AT 33/26X34 CYL	160	33,50	41,5	41	55	16,0	M45x1,50	1" - 11 f/p
ZFR017836	AT 33/33X42 CYL	160	33,50	44,0	50	55	18,0	M45x1,50	1 1/4 - 11 f/p
ZFR006018	AT 06/05X10 CYL***	-	6,0	-	-	-	-	M12x1,00	1/8 - 28 f/p
ZFR006019	AT 06/08X13 CYL	400	6,0	21,5	17	17	10,0	M12x1,00	1/4 - 19 f/p
ZFR021779	AT 08/12X17 CYL JE L	400	8,0	23,0	19	22	10,0	M14x1,50	3/8 - 19 f/p
ZFR006022	AT 10/12X17 CYL L	400	10,0	23,0	22	22	10,0	M16x1,50	3/8 - 19 f/p
ZFR006025	AT 14/12X17 CYL	400	14,0	23,0	27	22	10,0	M20x1,50	3/8 - 19 f/p
ZFR006026	AT 14/15X21 CYL***	-	14,0	-	-	-	-	M20x1,50	1/2 - 14 f/p
ZFR006028	AT 16/12X17 CYL	400	16,0	23,0	22	30	10,0	M24x1,50	3/8 - 19 f/p
ZFR006031	AT 20/15X21 CYL	250	20,0	25,0	27	32	12,0	M27x1,50	1/2 - 14 f/p
ZFR006032	AT 20/21X27 CYL	250	20,0	26,5	32	32	16,0	M27x1,50	3/4 - 14 f/p
ZFR006034	AT 25/21X27 CYL	250	25,0	26,5	32	41	16,0	M33x1,50	3/4 - 14 f/p

AT CO


"N" and "GAZ" series



Adaptateur tournant conique (whitworth)

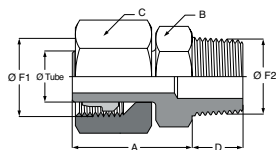
BSP tapered (whitworth) standpipe stud adaptor

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR006037	AT 13/08X13 CO	400	13,25	29,0	14	24	12,5	M20x1,50	1/4 - 19 t/p
ZFR006038	AT 13/12X17 CO	400	13,25	29,0	19	24	13,0	M20x1,50	3/8 - 19 t/p
ZFR006039	AT 13/15X21 CO	400	13,25	25,5	24	27	17,0	M20x1,50	1/2 - 14 t/p
ZFR006041	AT 17/12X17 CO	400	16,75	31,0	19	30	13,0	M24x1,50	3/8 - 19 t/p
ZFR006042	AT 17/15X21 CO	400	16,75	33,0	22	30	17,0	M24x1,50	1/2 - 14 t/p
ZFR006043	AT 21/15X21 CO	250	21,25	35,0	24	36	17,0	M30x1,50	1/2 - 14 t/p
ZFR006044	AT 21/21X27 CO	250	21,25	35,0	27	36	19,0	M30x1,50	3/4 - 14 t/p
ZFR006045	AT 27/21X27 CO	250	26,75	36,0	30	42	18,1	M36x1,50	3/4 - 14 t/p
ZFR006048	AT 06/05X10 CO***	-	6,0	-	-	-	-	M12x1,00	1/8 - 28 t/p
ZFR006049	AT 06/08X13 CO	400	6,0	21,5	14	17	12,5	M12x1,00	1/4 - 19 t/p
ZFR006050	AT 08/05X10 CO L	250	8,0	20,5	12	19	8,5	M14x1,50	1/8 - 28 t/p
ZFR006051	AT 08/08X13 CO L	250	8,0	20,0	14	19	12,5	M14x1,50	1/4 - 19 t/p
ZFR006052	AT 10/08X13 CO L	250	10,0	19,0	17	22	12,5	M16x1,50	1/4 - 19 t/p
ZFR006053	AT 10/12X17 CO L	250	10,0	27,0	19	19	13,0	M16x1,50	3/8 - 19 t/p
ZFR006054	AT 12/08X13 CO	400	12,0	20,5	17	24	12,5	M18x1,50	1/4 - 19 t/p
ZFR006055	AT 12/12X17 CO	400	12,0	21,5	19	24	13,0	M18x1,50	3/8 - 19 t/p
ZFR006056	AT 12/15X21 CO	400	12,0	23,0	24	24	17,0	M18x1,50	1/2 - 14 t/p
ZFR006057	AT 14/12X17 CO	400	14,0	22,0	19	27	13,0	M20x1,50	3/8 - 19 t/p
ZFR017696	AT 15/12X17 CO L	250	15,0	21,5	19	27	13,0	M22x1,50	3/8 - 19 t/p
ZFR006058	AT 15/15X21 CO	400	15,0	23,0	24	27	17,0	M22x1,50	1/2 - 14 t/p
ZFR006059	AT 16/12X17 CO S	400	16,0	22,5	22	30	13,0	M24x1,50	3/8 - 19 t/p
ZFR006060	AT 16/15X21 CO S	400	16,0	22,5	24	30	17,0	M24x1,50	1/2 - 14 t/p
ZFR006063	AT 20/21X27 CO***	-	20,0	-	-	-	-	M27x1,50	3/4 - 14 t/p

SÉRIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES


AT BGGS



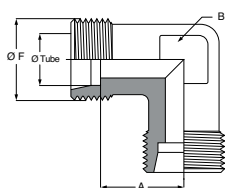
Adaptateur tournant BRIGGS (NPT)

NPT standpipe stud adaptor

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR006065	AT 13/1/4 BGGS***	-	13,25	-	-	-	-	M20x1,50	1/4 - 18 f/p
ZFR006066	AT 13/3/8 BGGS***	-	13,25	-	-	-	-	M20x1,50	3/8 - 18 f/p
ZFR006068	AT 17/3/8 BGGS***	-	16,75	-	-	-	-	M24x1,50	3/8 - 18 f/p


CE NU



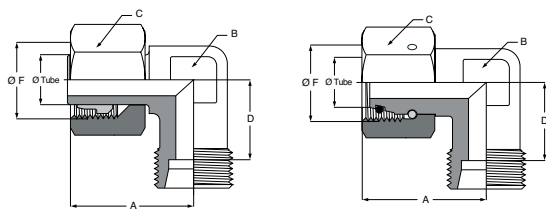
Coude égal nu

Bare equal elbow

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR006110	CE 13 NU	400	13,25	16,0	19	M20x1,50
ZFR006111	CE 17 NU	400	16,75	18,0	24	M24x1,50
ZFR006112	CE 21 NU	250	21,25	23,0	30	M30x1,50
ZFR006113	CE 27 NU	250	26,75	27,0	36	M36x1,50
ZFR006114	CE 33 NU	160	33,50	35,0	46	M45x1,50
ZFR006115	CE 42 NU***	-	42,25	-	-	M52x1,50
ZFR006116	CE 49 NU***	-	48,25	-	-	M58x2,00
ZFR006118	CE 06 NU	400	6,0	11,0	12	M12x1,00
ZFR006119	CE 08 L NU	250	8,0	14,0	12	M14x1,50
ZFR006120	CE 10 L NU	250	10,0	15,0	14	M16x1,50
ZFR006121	CE 12 L NU	250	12,0	17,0	17	M18x1,50
ZFR006122	CE 14 NU	400	14,0	16,0	19	M20x1,50
ZFR006123	CE 15 L NU	250	15,0	21,0	19	M22x1,50
ZFR006124	CE 16 S NU	400	16,0	24,5	24	M24x1,50
ZFR006125	CE 18 NU***	-	18,0	-	-	M27x1,50
ZFR006126	CE 20 NU	250	20,0	22,0	27	M27x1,50
ZFR006128	CE 25 NU***	-	25,0	-	-	M33x1,50
ZFR006130	CE 30 NU***	-	30,0	-	-	M39x1,50

CF DN




Coude femelle nu

Coude femelle nu avec joint torique

Bare female stud elbow

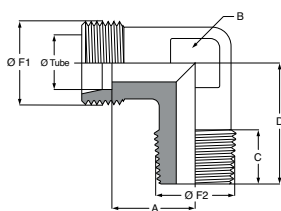
Bare female stud elbow with O'ring

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
	ZFR006090	400	13,25	30,5	19	27	16,0	M20x1,50
	ZFR006092	400	16,75	32,5	24	30	18,0	M24x1,50
	ZFR006093	250	21,25	39,5	30	36	23,0	M30x1,50
	ZFR006094	250	26,75	41,0	36	46	27,0	M36x1,50
	ZFR006095	160	33,50	47,5	46	55	35,0	M45x1,50
	ZFR006097	-	6,0	-	-	-	-	M12x1,00
	ZFR028838	250	8,0	27,5	12	17	14,0	M14x1,50
	ZFR027596	250	10,0	29,0	14	19	15,0	M16x1,50
	ZFR027597	250	12,0	29,5	17	22	17,0	M18x1,50
	ZFR027598	250	15,0	32,5	19	27	21,0	M22x1,50
	ZFR013873	400	16,0	36,5	24	30	24,5	M24x1,50
	ZFR006104	-	18,0	-	-	-	-	M27x1,50
	ZFR006105	-	20,0	-	-	-	-	M27x1,50
	ZFR006106	-	22,0	-	-	-	-	M30x1,50
	ZFR006107	-	25,0	-	-	-	-	M33x1,50

SERIE "N" et "GAZ" ACIER
STEEL "N" and "Gaz" SERIES


CM CO NU



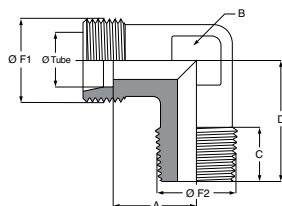
Coude mâle conique (whitworth) nu

Bare BSP tapered (whitworth) male stud elbow

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR004082	CM 13/08X13 CO NU	400	13,25	16,0	19	15,0	30,5	M20x1,50	1/4 - 19 f/p
ZFR004083	CM 13/12X17 CO NU	400	13,25	16,0	19	15,5	31,0	M20x1,50	3/8 - 19 f/p
ZFR004084	CM 13/15X21 CO NU	400	13,25	16,0	19	17,0	32,5	M20x1,50	1/2 - 14 f/p
ZFR004085	CM 17/08X13 CO NU	400	16,75	18,0	24	11,0	30,0	M24x1,50	1/4 - 19 f/p
ZFR004086	CM 17/12X17 CO NU	400	16,75	18,0	24	13,0	30,5	M24x1,50	3/8 - 19 f/p
ZFR004087	CM 17/15X21 CO NU	400	16,75	18,0	24	17,0	34,5	M24x1,50	1/2 - 14 f/p
ZFR008827	CM 17/21X27 CO NU	400	16,75	22,0	30	19,0	39,0	M24x1,50	3/4 - 14 f/p
ZFR004090	CM 21/15X21 CO NU	250	21,25	23,0	30	17,0	38,0	M30x1,50	1/2 - 14 f/p
ZFR004091	CM 21/21X27 CO NU	250	21,25	23,0	30	18,1	40,0	M30x1,50	3/4 - 14 f/p
ZFR004092	CM 27/21X27 CO NU	250	26,75	29,0	36	20,0	47,0	M36x1,50	3/4 - 14 f/p
ZFR004093	CM 27/26X34 CO NU	250	26,75	27,0	36	23,0	49,0	M36x1,50	1" - 11 f/p
ZFR004094	CM 33/26X34 CO NU	160	33,50	35,0	46	21,5	53,0	M45x1,50	1" - 11 f/p
ZFR004095	CM 33/33X42 CO NU***	-	33,50	-	-	-	-	M45x1,50	1"1/4 - 11 f/p
ZFR004096	CM 42/33X42 CO NU***	-	42,25	-	-	-	-	M52x1,50	1"1/4 - 11 f/p
ZFR004099	CM 06/05X10 CO NU***	-	6,0	-	-	-	-	M12x1,00	1/8 - 28 f/p
ZFR004100	CM 06/08X13 CO NU	400	6,0	11,0	12	12,5	23,0	M12x1,00	1/4 - 19 f/p
ZFR008531	CM 08/05X10 CO L NU	250	8,0	14,0	12	8,0	22,0	M14x1,50	1/8 - 28 f/p
ZFR004102	CM 08/08X13 CO L NU	250	8,0	14,0	12	12,0	26,0	M14x1,50	1/4 - 19 f/p
ZFR012464	CM 08/12X17 CO L NU	250	8,0	16,0	17	12,0	28,0	M14x1,50	3/8 - 19 f/p
ZFR004103	CM 10/05X10 CO L NU	250	10,0	15,0	14	8,0	22,0	M16x1,50	1/8 - 28 f/p
ZFR004104	CM 10/08X13 CO L NU	250	10,0	15,0	14	12,0	27,0	M16x1,50	1/4 - 19 f/p
ZFR004105	CM 10/12X17 CO L NU	250	10,0	17,0	17	12,0	28,0	M16x1,50	3/8 - 19 f/p
ZFR012465	CM 10/15X21 CO L NU	250	10,0	20,0	19	14,0	34,0	M16x1,50	1/2 - 14 f/p
ZFR004106	CM 12/08X13 CO L NU	250	12,0	17,0	17	12,0	28,0	M18x1,50	1/4 - 19 f/p
ZFR004107	CM 12/12X17 CO L NU	250	12,0	17,0	17	12,0	28,0	M18x1,50	3/8 - 19 f/p
ZFR004108	CM 12/15X21 CO L NU	250	12,0	20,0	19	14,0	34,0	M18x1,50	1/2 - 14 f/p
ZFR004109	CM 14/12X17 CO NU	400	14,0	16,0	19	15,5	31,0	M20x1,50	3/8 - 19 f/p
ZFR004110	CM 14/15X21 CO NU	400	14,0	16,0	19	17,0	32,5	M20x1,50	1/2 - 14 f/p
ZFR017814	CM 15/12X17 CO L NU	250	15,0	21,0	19	12,0	30,0	M22x1,50	3/8 - 19 f/p
ZFR004111	CM 15/15X21 CO L NU	250	15,0	21,0	19	14,0	34,0	M22x1,50	1/2 - 14 f/p
ZFR004112	CM 16/12X17 CO S NU	400	16,0	18,0	24	13,0	30,5	M24x1,50	3/8 - 19 f/p
ZFR004113	CM 16/15X21 CO S NU	400	16,0	24,5	24	14,0	32,0	M24x1,50	1/2 - 14 f/p
ZFR004114	CM 18/15X21 CO NU***	-	18,0	-	-	-	-	M27x1,50	1/2 - 14 f/p
ZFR004115	CM 20/15X21 CO NU	250	20,0	22,0	27	17,0	37,0	M27x1,50	1/2 - 14 f/p
ZFR004117	CM 25/21X27 CO NU	250	25,0	25,0	32	19,0	42,0	M33x1,50	3/4 - 14 f/p
ZFR004118	CM 25/26X34 CO NU***	-	25,0	-	-	-	-	M33x1,50	1" - 11 f/p


CM BGGs NU



Coude mâle BRIGGS (NPT) nu

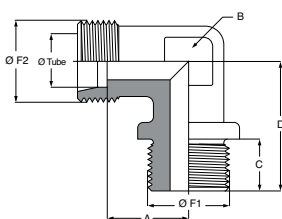
Bare NPT male stud elbow

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR004120	-	13,25	-	-	-	-	M20x1,50	1/4 - 18 f/p
	ZFR004121	-	13,25	-	-	-	-	M20x1,50	3/8 - 18 f/p
	ZFR004130	250	8,0	13,0	12	8,0	20,5	M14x1,50	1/8 - 27 f/p
	ZFR004131	250	8,0	14,0	12	15,0	26,0	M14x1,50	1/4 - 18 f/p
	ZFR004132	250	10,0	15,0	14	15,0	27,0	M16x1,50	1/4 - 18 f/p
	ZFR004133	-	10,0	-	-	-	-	M16x1,50	3/8 - 18 f/p
	ZFR004134	250	12,0	17,0	17	15,0	28,0	M18x1,50	1/4 - 18 f/p
	ZFR004135	250	12,0	17,0	17	15,0	28,0	M18x1,50	3/8 - 18 f/p
	ZFR004137	250	15,0	21,0	19	19,5	34,0	M22x1,50	1/2 - 14 f/p
	ZFR004139	400	16,0	24,5	24	19,5	36,0	M24x1,50	1/2 - 14 f/p

SERIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES


CM CYL NU



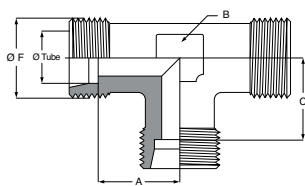
Coude mâle cylindrique (whitworth) nu

Bare BSP parallel (whitworth) male stud elbow

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR004147	400	13,25	16,0	19	10,0	28,0	M20x1,50	3/8 - 19 f/p
	ZFR005414	-	21,25	-	-	-	-	M30x1,50	3/4 - 14 f/p


T NU



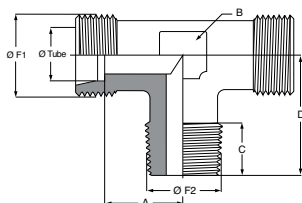
Té égal nu

Bare equal stud tee

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F - Filetage Ø F - Thread size
ZFR004161	T 13 NU	400	13,25	16,0	19	16,0	M20x1,50
ZFR004162	T 17 NU	400	16,75	18,0	24	18,0	M24x1,50
ZFR004163	T 21 NU	250	21,25	23,0	30	23,0	M30x1,50
ZFR004164	T 27 NU	250	26,75	27,0	36	27,0	M36x1,50
ZFR004165	T 33 NU	160	33,50	35,0	46	35,0	M45x1,50
ZFR004166	T 42 NU***	-	42,25	-	-	-	M52x1,50
ZFR004170	T 08 L NU	250	8,0	14,0	12	14,0	M14x1,50
ZFR004171	T 10 L NU	250	10,0	15,0	14	15,0	M16x1,50
ZFR004172	T 12 L NU	250	12,0	17,0	17	17,0	M18x1,50
ZFR004173	T 14 NU	400	14,0	16,0	19	16,0	M20x1,50
ZFR004174	T 15 L NU	250	15,0	21,0	19	21,0	M22x1,50
ZFR004175	T 16 S NU	400	16,0	24,5	24	24,5	M24x1,50
ZFR004176	T 18 NU***	-	18,0	-	-	-	M27x1,50
ZFR004177	T 20 NU	250	20,0	22,0	27	22,0	M27x1,50


TM CO NU



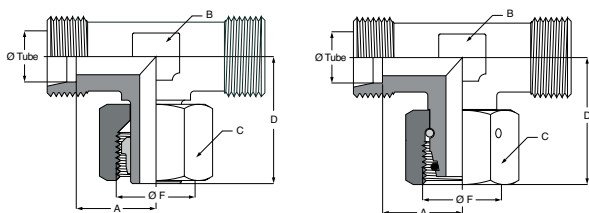
Té mâle conique (whitworth) nu

Bare BSP tapered (whitworth) male stud branch tee

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR006167	TM 13/08X13 CO NU	400	13,25	16,0	19	12,5	29,5	M20x1,50	1/4 - 19 f/p
ZFR007971	TM 13/12X17 CO NU	400	13,25	16,0	19	17,5	30,0	M20x1,50	3/8 - 19 f/p
ZFR006168	TM 17/12X17 CO NU***	-	16,75	-	-	-	-	M24x1,50	3/8 - 19 f/p
ZFR007966	TM 08/08X13 CO L NU	600	8,0	14,0	12	12,0	26,0	M14x1,50	1/4 - 19 f/p
ZFR008011	TM 10/08X13 CO L NU	600	10,0	15,0	14	12,0	27,0	M16x1,50	1/4 - 19 f/p

TO NU



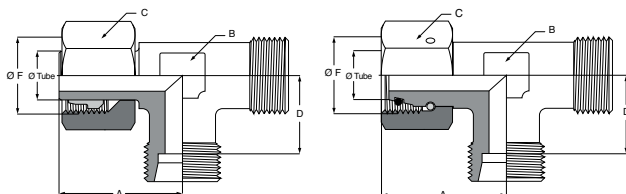
Té égal orientable nu

Bare adjustable equal stud branch tee

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
ZFR018292	TO 13 NU	400	13,25	16,0	19	27	30,5	M20x1,50
ZFR018293	TO 17 NU	400	16,75	18,0	24	30	32,5	M24x1,50
ZFR018294	TO 21 NU	250	21,25	23,0	30	36	36,5	M30x1,50
ZFR018295	TO 27 NU	250	26,75	27,0	36	46	41,0	M36x1,50
ZFR028829	TO 08 L OR NU	250	8,0	14,0	12	17	27,5	M14x1,50
ZFR027603	TO 10 L OR NU	250	10,0	15,0	14	19	29,0	M16x1,50
ZFR028830	TO 12 L OR NU	250	12,0	17,0	17	22	29,5	M18x1,50
ZFR028776	TO 15 L OR NU	250	15,0	21,0	19	27	32,5	M22x1,50
ZFR013890	TO 16 S OR NU	400	16,0	24,5	24	30	36,5	M24x1,50

SERIE "N" et "GAZ" ACIER
STEEL "N" and "Gaz" SERIES

TOR NU

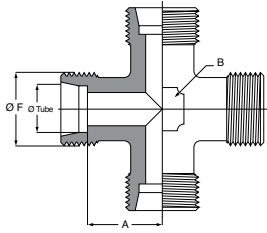


Té égal orientable renversé nu

Bare adjustable equal stud tee barrel

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
ZFR018287	TOR 13 NU	400	13,25	30,5	19	27	16,0	M20x1,50
ZFR018288	TOR 17 NU	400	16,75	32,5	24	30	18,0	M24x1,50
ZFR018289	TOR 21 NU	250	21,25	36,5	30	36	23,0	M30x1,50
ZFR018290	TOR 27 NU	250	26,75	41,0	36	46	27,0	M36x1,50
ZFR028817	TOR 08 L OR NU	250	8,0	27,5	12	17	14,0	M14x1,50
ZFR027604	TOR 10 L OR NU	250	10,0	29,0	14	19	15,0	M16x1,50
ZFR028818	TOR 12 L OR NU	250	12,0	29,5	17	22	17,0	M18x1,50
ZFR028819	TOR 15 L OR NU	250	15,0	32,5	19	27	21,0	M22x1,50
ZFR013882	TOR 16 S OR NU	400	16,0	36,5	24	30	24,5	M24x1,50


CX NU



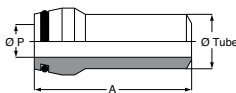
Croix égale nue

Bare equal cross

*** sur demande / on request


	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
	ZFR004183 CX 13 NU	400	13,25	16,0	19	M20x1,50
	ZFR004184 CX 17 NU	400	16,75	18,0	24	M24x1,50
	ZFR004185 CX 21 NU	250	21,25	23,0	30	M30x1,50
	ZFR004190 CX 08 L NU	250	8,0	14,0	12	M14x1,50
	ZFR004191 CX 10 L NU	250	10,0	15,0	14	M16x1,50
	ZFR004192 CX 12 L NU	250	12,0	17,0	17	M18x1,50
	ZFR004193 CX 14 NU***	-	14,0	-	-	M20x1,50
	ZFR004194 CX 15 L NU	250	15,0	21,0	19	M22x1,50
	ZFR004195 CX 16 S NU	400	16,0	24,5	24	M24x1,50

ES



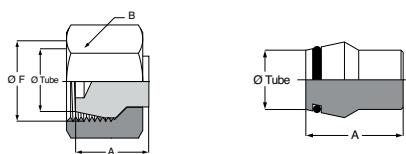
Embout à souder, avec joint torique

Welding fitting, with O'ring

	Référence Reference	PS WP bar	Ø Tube O.D. rigid pipe mm	A mm	Ø P mm
	ZFR014966 ES 13	400	13,25	40,5	7,5
	ZFR014967 ES 17	400	16,75	42,5	11,0
	ZFR014968 ES 21	250	21,25	48,0	14,5
	ZFR014969 ES 27	250	26,75	51,0	20,0
	ZFR014970 ES 33	160	33,50	59,0	26,0
	ZFR014971 ES 42	100	42,25	66,0	35,0
	ZFR014972 ES 49	100	48,25	76,0	40,0

OBF


"N" and "GAZ" series



Obturateur femelle

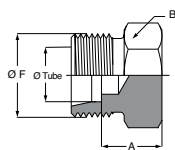
Female blanking plug

** livré sans écrou / delivered without nut

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
	ZFR005467	400	13,25	20,0	24	M20x1,50
	ZFR005468	400	16,75	20,0	30	M24x1,50
	ZFR005469	250	21,25	21,0	36	M30x1,50
	ZFR005470	250	26,75	22,0	42	M36x1,50
	ZFR005471	160	33,50	22,0	55	M45x1,50
	ZFR005475	400	6,0	13,5	17	M12x1,00
	ZFR005476	400	8,0	14,0	17	M14x1,50
	ZFR005477	400	10,0	18,0	19	M16x1,50
	ZFR005478	400	12,0	19,0	22	M18x1,50
	ZFR005479	400	14,0	19,0	27	M20x1,50
	ZFR005480	400	15,0	19,0	27	M22x1,50
	ZFR005481	400	16,0	20,0	30	M24x1,50
	ZFR005482	250	18,0	20,0	32	M27x1,50
	ZFR005483	250	20,0	20,0	32	M27x1,50
	ZFR007360	250	22,0	20,5	36	M30x1,50
	ZFR005908	250	25,0	20,5	41	M33x1,50

SÉRIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES


OBM



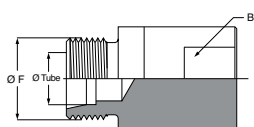
Obturbateur mâle

Male blanking plug

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR005450	OBM 13	400	13,25	10,0	22	M20x1,50
ZFR005451	OBM 17	400	16,75	11,0	27	M24x1,50
ZFR005452	OBM 21	250	21,25	14,0	32	M30x1,50
ZFR005453	OBM 27	250	26,75	15,0	41	M36x1,50
ZFR014932	OBM 33	160	33,50	19,0	46	M45x1,50
ZFR005458	OBM 06***	-	6,0	-	-	M12x1,00
ZFR016859	OBM 08 L	250	8,0	8,0	14	M14x1,50
ZFR016860	OBM 10 L	250	10,0	9,0	17	M16x1,50
ZFR016861	OBM 12 L	250	12,0	10,0	19	M18x1,50
ZFR005462	OBM 14	400	14,0	10,0	22	M20x1,50
ZFR016862	OBM 15 L	250	15,0	11,0	24	M22x1,50
ZFR016873	OBM 16 S	400	16,0	15,5	27	M24x1,50
ZFR005465	OBM 18***	-	18,0	-	-	M27x1,50
ZFR005466	OBM 20***	-	20,0	-	-	M27x1,50


BLOC PRESS



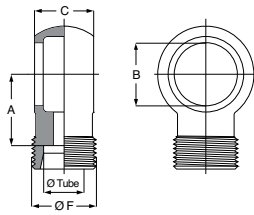
Bloc de présertissage

Pre-assembly adaptor

*** sur demande / on request


	Référence Reference	Ø Tube O.D. rigid pipe mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR007138	BLOC PRESS 13***	13,25	-	M20x1,50
ZFR007139	BLOC PRESS 17	16,75	23	M24x1,50
ZFR007140	BLOC PRESS 21	21,25	29	M30x1,50
ZFR007142	BLOC PRESS 27	26,75	38	M36x1,50
ZFR006893	BLOC PRESS 33	33,50	40	M45x1,50
ZFR007143	BLOC PRESS 10 L	10,0	17	M16x1,50
ZFR007144	BLOC PRESS 12 L	12,0	17	M18x1,50

OR NU



Orientable type Banjo nu, sans vis

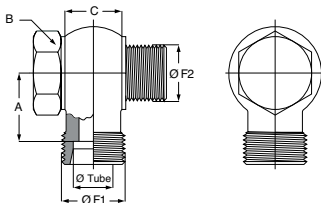
Bare Banjo coupling, without screw

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F - Filetage Ø F - Thread size
ZFR006760	OR 13 NU	400	13,25	26,0	18,0	20,0	M20x1,50
ZFR006759	OR 12 NU	400	12,0	26,0	18,0	20,0	M18x1,50

Pour les vis se référer à notre catalogue accessoires.
For screws, please refer to our accessories catalogue.


SERIE "N" et "GAZ" ACIER
STEEL "N" and "GAZ" SERIES

OR NU AVEC VIS

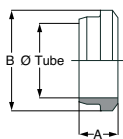


Orientable type Banjo nu, avec vis et joints cuivre

Bare Banjo coupling, with screw and copper sealings


	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR005915	OR 17/15X21 NU	250	16,75	30,0	27	24,4	M24x1,50	1/2 - 14 f/p
ZFR005913	OR 17/22X150 NU	250	16,75	31,0	30	22,0	M24x1,50	M22x1,50
ZFR005918	OR 12/08X13 NU	250	12,0	25,0	19	20,0	M18x1,50	1/4 - 19 f/p

B L / B S

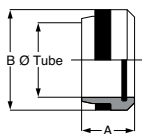


Bague, séries allemandes légère et lourde

Compression ring, light and heavy DIN series

	Référence Reference	PS WP bar	Ø Tube O.D. rigid pipe mm	A mm	B bar
ZFR012709	B 06 L/S	630	6,0	9,5	10,0
ZFR012715	B 22 L	160	22,0	10,5	27,0
ZFR012716	B 28 L	160	28,0	11,0	33,0
ZFR012717	B 35 L	160	35,0	13,0	41,0
ZFR012718	B 42 L	160	42,0	13,0	48,0
ZFR012709	B 06 L/S	630	6,0	9,5	10,0
ZFR005422	B 14 S	630	14,0	10,0	19,0
ZFR005426	B 20 S	400	20,0	12,0	26,0
ZFR005428	B 25 S	400	25,0	12,0	32,0
ZFR005430	B 30 S	400	30,0	13,0	36,0
ZFR005432	B 38 S	315	38,0	13,0	44,0


B4 L / B4 S



Bague B4, séries allemandes légère et lourde

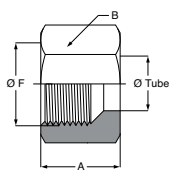
B4 compression ring, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	PS WP bar	Ø Tube O.D. rigid pipe mm	A mm	B bar
ZFR007833	B4 06 L	250	6,0	9,5	10,0
ZFR007834	B4 08 L	250	8,0	9,5	12,0
ZFR007835	B4 10 L	250	10,0	10,0	14,0
ZFR007836	B4 12 L	250	12,0	10,0	16,0
ZFR007837	B4 15 L	250	15,0	10,0	20,0
ZFR007838	B4 18 L	160	18,0	10,0	23,0
ZFR007839	B4 22 L	160	22,0	10,5	27,0
ZFR007840	B4 28 L	100	28,0	11,0	33,0
ZFR007841	B4 35 L	100	35,0	13,0	41,0
ZFR007842	B4 42 L	100	42,0	13,0	48,0
ZFR007843	B4 06 S	630	6,0	9,5	10,0
ZFR007844	B4 08 S	630	8,0	9,5	12,0
ZFR007845	B4 10 S	630	10,0	10,0	14,0
ZFR007846	B4 12 S	630	12,0	10,0	16,0
ZFR007847	B4 14 S	630	14,0	10,0	19,0
ZFR007848	B4 16 S	400	16,0	10,5	21,0
ZFR007849	B4 20 S	400	20,0	12,0	26,0
ZFR007850	B4 25 S	400	25,0	12,0	32,0
ZFR007852	B4 30 S	250	30,0	13,0	38,0
ZFR007853	B4 38 S	250	38,0	13,0	48,0


E L / E S

'DIN "L" and "S" series



Ecrou, séries allemandes légère et lourde

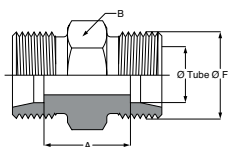
Nut, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR012719	E 06 L	250	6,0	14,5	14	M12x1,50
ZFR012720	E 08 L	250	8,0	14,5	17	M14x1,50
ZFR012721	E 10 L	250	10,0	15,5	19	M16x1,50
ZFR012722	E 12 L	250	12,0	15,5	22	M18x1,50
ZFR012723	E 15 L	250	15,0	17,0	27	M22x1,50
ZFR012724	E 18 L	160	18,0	18,0	32	M26x1,50
ZFR012725	E 22 L	160	22,0	20,0	36	M30x2,00
ZFR012726	E 28 L	100	28,0	21,0	41	M36x2,00
ZFR012727	E 35 L	100	35,0	24,0	50	M45x2,00
ZFR012728	E 42 L	100	42,0	24,0	60	M52x2,00
ZFR003507	E 06 S	630	6,0	16,5	17	M14x1,50
ZFR003508	E 08 S	630	8,0	16,5	19	M16x1,50
ZFR003509	E 10 S	630	10,0	17,5	22	M18x1,50
ZFR003510	E 12 S	630	12,0	17,5	24	M20x1,50
ZFR003511	E 14 S	630	14,0	20,5	27	M22x1,50
ZFR003521	E 16 S	400	16,0	20,5	30	M24x1,50
ZFR003513	E 20 S	400	20,0	24,0	36	M30x2,00
ZFR003515	E 25 S	400	25,0	27,0	46	M36x2,00
ZFR003517	E 30 S	250	30,0	29,0	50	M42x2,00
ZFR003519	E 38 S	250	38,0	32,5	60	M52x2,00

SÉRIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


UD L NU / UD S NU

DIN "L" and "S" series



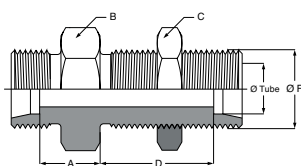
Union double nu,
séries allemandes légère et lourde

Bare straight coupling, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR008605	UD 06 L NU	250	6,0	10,0	12	M12x1,50
ZFR002426	UD 08 L NU	250	8,0	11,0	14	M14x1,50
ZFR002427	UD 10 L NU	250	10,0	13,0	17	M16x1,50
ZFR002428	UD 12 L NU	250	12,0	14,0	19	M18x1,50
ZFR002430	UD 15 L NU	250	15,0	16,0	24	M22x1,50
ZFR008606	UD 18 L NU	160	18,0	16,0	27	M26x1,50
ZFR008607	UD 22 L NU	160	22,0	20,0	32	M30x2,00
ZFR008608	UD 28 L NU	100	28,0	21,0	41	M36x2,00
ZFR008609	UD 35 L NU	100	35,0	20,0	46	M45x2,00
ZFR008610	UD 42 L NU	100	42,0	21,0	55	M52x2,00
ZFR008921	UD 06 S NU	630	6,0	16,0	14	M14x1,50
ZFR008922	UD 08 S NU	630	8,0	18,0	17	M16x1,50
ZFR008923	UD 10 S NU	630	10,0	17,0	19	M18x1,50
ZFR008924	UD 12 S NU	630	12,0	19,0	22	M20x1,50
ZFR008925	UD 14 S NU	630	14,0	22,0	24	M22x1,50
ZFR002431	UD 16 S NU	400	16,0	21,0	27	M24x1,50
ZFR008926	UD 20 S NU	400	20,0	23,0	32	M30x2,00
ZFR008927	UD 25 S NU	400	25,0	26,0	41	M36x2,00
ZFR008929	UD 30 S NU	250	30,0	27,0	46	M42x2,00
ZFR008928	UD 38 S NU	250	38,0	29,0	55	M52x2,00


UDC L NU / UDC S NU

'DIN "L" and "S" series



Union double de cloison nu,
séries allemandes légère et lourde

Bare straight bulkhead coupling, light and heavy DIN series

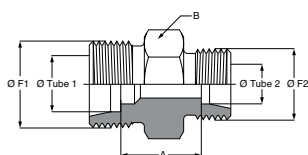
	Référence Reference	P.S	Ø Tube	A	B	C	D	Ø F - Filetage	
		W,P bar	O.D. rigid pipe mm	mm	mm	mm	mm	Ø F - Thread size	
	ZFR008603	UDC 06 L NU	250	6,0	7,0	17	17	27,0	M12x1,50
	ZFR002452	UDC 08 L NU	250	8,0	8,0	19	19	27,0	M14x1,50
	ZFR002453	UDC 10 L NU	250	10,0	10,0	22	22	28,0	M16x1,50
	ZFR002454	UDC 12 L NU	250	12,0	10,0	24	24	29,0	M18x1,50
	ZFR002456	UDC 15 L NU	250	15,0	12,0	27	30	31,0	M22x1,50
	ZFR010082	UDC 18 L NU	160	18,0	13,5	32	36	32,5	M26x1,50
	ZFR010083	UDC 22 L NU	160	22,0	16,5	36	41	34,5	M30x2,00
	ZFR010084	UDC 28 L NU	100	28,0	18,5	41	46	35,5	M36x2,00
	ZFR010085	UDC 35 L NU	100	35,0	18,5	50	55	36,5	M45x2,00
	ZFR008604	UDC 42 L NU	100	42,0	19,0	60	65	36,0	M52x2,00
	ZFR008886	UDC 06 S NU	630	6,0	12,0	19	19	29,0	M14x1,50
	ZFR008887	UDC 08 S NU	630	8,0	13,0	22	22	29,0	M16x1,50
	ZFR008888	UDC 10 S NU	630	10,0	14,5	24	24	29,5	M18x1,50
	ZFR008892	UDC 12 S NU	630	12,0	14,5	27	27	30,5	M20x1,50
	ZFR008893	UDC 14 S NU	630	14,0	17,0	30	30	32,0	M22x1,50
	ZFR002457	UDC 16 S NU	400	16,0	16,5	32	32	31,5	M24x1,50
	ZFR008894	UDC 20 S NU	400	20,0	17,5	41	41	33,5	M30x2,00
	ZFR008895	UDC 25 S NU	400	25,0	20,0	46	46	35,0	M36x2,00
	ZFR008901	UDC 30 S NU	250	30,0	21,5	50	50	37,5	M42x2,00
	ZFR008902	UDC 38 S NU	250	38,0	22,0	65	65	37,0	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


UDR L NU / UDR S NU

DIN "L" and "S" series

Union double de réduction nu,
séries allemandes légère et lourde



Bare straight reducing coupling, light and heavy DIN series

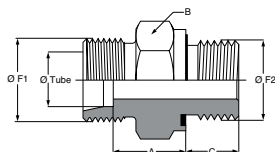
	Référence Reference	P.S	Ø Tube 1	Ø Tube 2	A	B	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. 1 rigid pipe	O.D. 2 rigid pipe	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm		
ZFR008611	UDR 08/06 L NU	250	8,0	6,0	11,0	14	M14x1,50	M12x1,50
ZFR008612	UDR 10/06 L NU	250	10,0	6,0	12,0	17	M16x1,50	M12x1,50
ZFR002496	UDR 10/08 L NU	250	10,0	8,0	12,0	17	M16x1,50	M14x1,50
ZFR008613	UDR 12/06 L NU	250	12,0	6,0	13,0	19	M18x1,50	M12x1,50
ZFR002497	UDR 12/08 L NU	250	12,0	8,0	13,0	19	M18x1,50	M14x1,50
ZFR002498	UDR 12/10 L NU	250	12,0	10,0	14,0	19	M18x1,50	M16x1,50
ZFR017674	UDR 15/10 L NU	250	15,0	10,0	15,0	24	M22x1,50	M16x1,50
ZFR008614	UDR 15/12 L NU	250	15,0	12,0	15,0	24	M22x1,50	M18x1,50
ZFR008616	UDR 18/10 L NU	160	18,0	10,0	15,5	27	M26x1,50	M16x1,50
ZFR008617	UDR 18/12 L NU	160	18,0	12,0	15,5	27	M26x1,50	M18x1,50
ZFR008618	UDR 18/15 L NU	160	18,0	15,0	16,5	27	M26x1,50	M22x1,50
ZFR008619	UDR 22/12 L NU	160	22,0	12,0	17,5	32	M30x2,00	M18x1,50
ZFR008620	UDR 22/15 L NU	160	22,0	15,0	18,5	32	M30x2,00	M22x1,50
ZFR008621	UDR 22/18 L NU	160	22,0	18,0	18,0	32	M30x2,00	M26x1,50
ZFR008622	UDR 28/18 L NU	100	28,0	18,0	19,0	41	M36x2,00	M26x1,50
ZFR008623	UDR 28/22 L NU	100	28,0	22,0	21,0	41	M36x2,00	M30x2,00
ZFR008624	UDR 35/22 L NU	100	35,0	22,0	21,0	46	M45x2,00	M30x2,00
ZFR008625	UDR 35/28 L NU	100	35,0	28,0	21,0	46	M45x2,00	M36x2,00
ZFR008903	UDR 08/06 S NU	630	8,0	6,0	18,0	17	M16x1,50	M14x1,50
ZFR002495	UDR 10/06 S NU	630	10,0	6,0	17,5	19	M18x1,50	M14x1,50
ZFR008904	UDR 10/08 S NU	630	10,0	8,0	17,5	19	M18x1,50	M16x1,50
ZFR008905	UDR 12/06 S NU	630	12,0	6,0	19,5	22	M20x1,50	M14x1,50
ZFR008906	UDR 12/08 S NU	630	12,0	8,0	19,5	22	M20x1,50	M16x1,50
ZFR008907	UDR 12/10 S NU	630	12,0	10,0	19,0	22	M20x1,50	M18x1,50
ZFR008908	UDR 14/10 S NU	630	14,0	10,0	20,5	24	M22x1,50	M18x1,50
ZFR008909	UDR 14/12 S NU	630	14,0	12,0	20,5	24	M22x1,50	M20x1,50
ZFR008911	UDR 16/12 S NU	400	16,0	12,0	20,0	27	M24x1,50	M20x1,50
ZFR008912	UDR 16/14 S NU	400	16,0	14,0	21,5	27	M24x1,50	M22x1,50
ZFR008913	UDR 20/10 S NU	400	20,0	10,0	22,0	32	M30x2,00	M18x1,50
ZFR008914	UDR 20/12 S NU	400	20,0	12,0	22,0	32	M30x2,00	M20x1,50
ZFR008915	UDR 20/16 S NU	400	20,0	16,0	23,0	32	M30x2,00	M24x1,50
ZFR008916	UDR 25/16 S NU	400	25,0	16,0	25,5	41	M36x2,00	M24x1,50
ZFR008917	UDR 25/20 S NU	400	25,0	20,0	25,5	41	M36x2,00	M30x2,00
ZFR008918	UDR 30/20 S NU	250	30,0	20,0	26,0	46	M42x2,00	M30x2,00
ZFR008919	UDR 30/25 S NU	250	30,0	25,0	26,5	46	M42x2,00	M36x2,00
ZFR008920	UDR 38/30 S NU	250	38,0	30,0	29,5	55	M52x2,00	M42x2,00


UM CYL JE L NU / UM CYL JE S NU

'DIN "L" and "S" series

Union mâle métrique cylindrique nu
avec joint élastomère,
séries allemandes légère et lourde

Bare metric male stud coupling with elastomer seal,
light and heavy DIN series



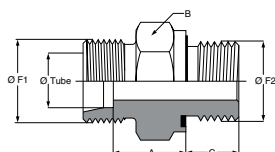
	Référence Reference	P.S	Ø Tube	A	B	E	Ø F1 - Filetage	Ø F2 - Filetage
		W.P bar	O.D. rigid pipe mm	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
ZFR010087	UM 06/10X100 CYL JE L NU	250	6,0	8,5	14	8,0	M10x1,00	M12x1,50
ZFR008690	UM 08/12X150 CYL JE L NU	250	8,0	10,0	17	12,0	M12x1,50	M14x1,50
ZFR018329	UM 10/12X150 CYL JE L NU	250	10,0	11,0	17	12,0	M12x150	M16x1,50
ZFR002522	UM 10/14X150 CYL JE L NU	250	10,0	11,0	19	12,0	M14x1,50	M16x1,50
ZFR002523	UM 10/16X150 CYL JE L NU	250	10,0	12,5	22	12,0	M16x1,50	M16x1,50
ZFR002524	UM 10/18X150 CYL JE L NU	250	10,0	12,5	24	12,0	M18x1,50	M16x1,50
ZFR008692	UM 12/14X150 CYL JE L NU	250	12,0	12,5	19	12,0	M14x1,50	M18x1,50
ZFR002525	UM 12/16X150 CYL JE L NU	250	12,0	12,5	22	12,0	M16x1,50	M18x1,50
ZFR003434	UM 12/18X150 CYL JE L NU	250	12,0	12,5	24	12,0	M18x1,50	M18x1,50
ZFR007997	UM 12/22X150 CYL JE L NU	250	12,0	14,0	27	14,0	M22x1,50	M18x1,50
ZFR008693	UM 15/16X150 CYL JE L NU	250	15,0	13,0	24	12,0	M16x150	M22x1,50
ZFR002529	UM 15/18X150 CYL JE L NU	250	15,0	13,5	24	12,0	M18x1,50	M22x1,50
ZFR008694	UM 15/22X150 CYL JE L NU	250	15,0	15,0	27	14,0	M22x1,50	M22x1,50
ZFR008695	UM 18/18X150 CYL JE L NU	160	18,0	14,0	27	12,0	M18x1,50	M26x1,50
ZFR008696	UM 18/22X150 CYL JE L NU	160	18,0	14,5	27	14,0	M22x1,50	M26x1,50
ZFR008697	UM 22/22X150 CYL JE L NU	160	22,0	16,5	32	14,0	M22x1,50	M30x2,00
ZFR008698	UM 22/26X150 CYL JE L NU	160	22,0	16,5	32	16,0	M26x1,50	M30x2,00
ZFR008699	UM 28/33X200 CYL JE L NU	100	28,0	17,5	41	18,0	M33x2,00	M36x2,00
ZFR008687	UM 35/42X200 CYL JE L NU	100	35,0	17,5	50	20,0	M42x2,00	M45x2,00
ZFR008688	UM 42/48X200 CYL JE L NU	100	42,0	19,0	55	22,0	M48x2,00	M52x2,00
ZFR008994	UM 06/12X150 CYL JE S NU	630	6,0	13,0	17	12,0	M12x1,50	M14x1,50
ZFR008995	UM 08/14X150 CYL JE S NU	630	8,0	15,0	19	12,0	M14x1,50	M16x1,50
ZFR008996	UM 10/16X150 CYL JE S NU	630	10,0	15,0	22	12,0	M16x1,50	M18x1,50
ZFR008997	UM 12/18X150 CYL JE S NU	630	12,0	17,0	24	12,0	M18x1,50	M20x1,50
ZFR008998	UM 12/22X150 CYL JE S NU	630	12,0	17,5	27	14,0	M22x1,50	M20x1,50
ZFR008999	UM 14/20X150 CYL JE S NU	630	14,0	19,0	27	14,0	M20x1,50	M22x1,50
ZFR009001	UM 16/18X150 CYL JE S NU	400	16,0	18,0	27	12,0	M18x1,50	M24x1,50
ZFR009005	UM 16/22X150 CYL JE S NU	400	16,0	18,5	27	14,0	M22x1,50	M24x1,50
ZFR009006	UM 20/27X200 CYL JE S NU	400	20,0	20,5	32	16,0	M27x2,00	M30x2,00
ZFR009008	UM 25/33X200 CYL JE S NU	400	25,0	23,0	41	18,0	M33x2,00	M36x2,00
ZFR009009	UM 30/42X200 CYL JE S NU	250	30,0	23,5	50	20,0	M42x2,00	M42x2,00
ZFR009010	UM 38/48X200 CYL JE S NU	250	38,0	26,0	55	22,0	M48x2,00	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


UM CYL JE L NU

DIN "L" and "S" series

Union mâle BSP cylindrique (whitworth) nu
avec joint élastomère, série allemande légère

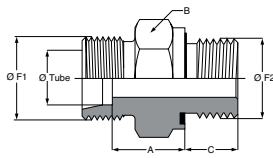


Bare BSP parallel (whitworth) male stud coupling with elastomer seal,
light DIN series

	Référence Reference	P.S	Ø Tube	A	B	E	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm		
ZFR008675	UM 06/05X10 CYL JE L NU	250	6,0	8,5	14	8,0	1/8 - 28 f/p	M12x1,50
ZFR003435	UM 06/08X13 CYL JE L NU	250	6,0	10,0	19	12,0	1/4 - 19 f/p	M12x1,50
ZFR008676	UM 06/12X17 CYL JE L NU	250	6,0	11,5	22	12,0	3/8 - 19 f/p	M12x1,50
ZFR002603	UM 08/05X10 CYL JE L NU	250	8,0	9,5	14	8,0	1/8 - 28 f/p	M14x1,50
ZFR002604	UM 08/08X13 CYL JE L NU	250	8,0	10,0	19	12,0	1/4 - 19 f/p	M14x1,50
ZFR021777	UM 08/12X17 CYL JE L NU	250	8,0	11,5	22	12,0	3/8 - 19 f/p	M14x1,50
ZFR008677	UM 08/15X21 CYL JE L NU	250	8,0	12,0	27	14,0	1/2 - 14 f/p	M14x1,50
ZFR004331	UM 10/05x10 CYL JE L NU	250	10,0	10,5	17	8,0	1/8 - 28 f/p	M16x1,50
ZFR002605	UM 10/08X13 CYL JE L NU	250	10,0	11,0	19	12,0	1/4 - 19 f/p	M16x1,50
ZFR002606	UM 10/12X17 CYL JE L NU	250	10,0	12,5	22	12,0	3/8 - 19 f/p	M16x1,50
ZFR021345	UM 10/15X21 CYL JE L NU	250	10,0	13,0	27	14,0	1/2 - 14 f/p	M16x1,50
ZFR002607	UM 12/08X13 CYL JE L NU	250	12,0	12,0	19	12,0	1/4 - 19 f/p	M18x1,50
ZFR002608	UM 12/12X17 CYL JE L NU	250	12,0	12,5	22	12,0	3/8 - 19 f/p	M18x1,50
ZFR002609	UM 12/15X21 CYL JE L NU	250	12,0	13,0	27	14,0	1/2 - 14 f/p	M18x1,50
ZFR005749	UM 15/12X17 CYL JE L NU	250	15,0	13,5	24	12,0	3/8 - 19 f/p	M22x1,50
ZFR002612	UM 15/15X21 CYL JE L NU	250	15,0	14,0	27	14,0	1/2 - 14 f/p	M22x1,50
ZFR008678	UM 15/20X27 CYL JE L NU	250	15,0	15,0	32	16,0	3/4 - 14 f/p	M22x1,50
ZFR008679	UM 18/15X21 CYL JE L NU	160	18,0	14,5	27	14,0	1/2 - 14 f/p	M26x1,50
ZFR008680	UM 18/20X27 CYL JE L NU	160	18,0	14,5	32	16,0	3/4 - 14 f/p	M26x1,50
ZFR008681	UM 22/15X21 CYL JE L NU	160	22,0	16,5	32	14,0	1/2 - 14 f/p	M30x2,00
ZFR008682	UM 22/20X27 CYL JE L NU	160	22,0	16,5	32	16,0	3/4 - 14 f/p	M30x2,00
ZFR008683	UM 22/26X34 CYL JE L NU	160	22,0	17,5	41	18,0	1" - 11 f/p	M30x2,00
ZFR008685	UM 28/26X34 CYL JE L NU	100	28,0	17,5	41	18,0	1" - 11 f/p	M36x2,00
ZFR008686	UM 35/26X34 CYL JE L NU	100	35,0	17,5	46	18,0	1" - 11 f/p	M45x2,00
ZFR008700	UM 35/33X42 CYL JE L NU	100	35,0	17,5	50	20,0	1"1/4 - 11 f/p	M45x2,00
ZFR008701	UM 42/40X49 CYL JE L NU	100	42,0	19,0	55	22,0	1"1/2 - 11 f/p	M52x2,00


UM CYL JE S NU

'DIN "L" and "S" series



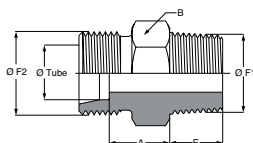
Union mâle BSP cylindrique (whitworth) nu avec joint élastomère, série allemande lourde

Bare BSP parallel (whitworth) male stud coupling with elastomer seal, heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
	ZFR009011	UM 06/08X13 CYL JE S NU	630	6,0	13,0	19	12,0	1/4 - 19 f/p	M14x1,50
	ZFR009012	UM 08/08X13 CYL JE S NU	630	8,0	15,0	19	12,0	1/4 - 19 f/p	M16x1,50
	ZFR009013	UM 08/12X17 CYL JE S NU	630	8,0	15,5	22	12,0	3/8 - 19 f/p	M16x1,50
	ZFR009014	UM 10/08X13 CYL JE S NU	630	10,0	14,5	19	12,0	1/4 - 19 f/p	M18x1,50
	ZFR009015	UM 10/12X17 CYL JE S NU	630	10,0	15,0	22	12,0	3/8 - 19 f/p	M18x1,50
	ZFR009016	UM 10/15X21 CYL JE S NU	630	10,0	17,5	27	14,0	1/2 - 14 f/p	M18x1,50
	ZFR009017	UM 12/08X13 CYL JE S NU	630	12,0	16,5	22	12,0	1/4 - 19 f/p	M20x1,50
	ZFR009018	UM 12/12X17 CYL JE S NU	630	12,0	17,0	22	12,0	3/8 - 19 f/p	M20x1,50
	ZFR009019	UM 12/15X21 CYL JE S NU	630	12,0	17,5	27	14,0	1/2 - 14 f/p	M20x1,50
	ZFR009020	UM 14/12X17 CYL JE S NU	630	14,0	18,5	24	12,0	3/8 - 19 f/p	M22x1,50
	ZFR009022	UM 14/15X21 CYL JE S NU	630	14,0	19,0	27	14,0	1/2 - 14 f/p	M22x1,50
	ZFR002613	UM 16/12X17 CYL JE S NU	400	16,0	18,0	27	12,0	3/8 - 19 f/p	M24x1,50
	ZFR002614	UM 16/15X21 CYL JE S NU	400	16,0	18,5	27	14,0	1/2 - 14 f/p	M24x1,50
	ZFR009023	UM 16/20X27 CYL JE S NU	400	16,0	20,5	32	16,0	3/4 - 14 f/p	M24x1,50
	ZFR010150	UM 20/15x21 CYL JE S NU	400	20,0	20,5	32	14,0	1/2 - 14 f/p	M30x2,00
	ZFR009024	UM 20/20X27 CYL JE S NU	400	20,0	20,5	32	16,0	3/4 - 14 f/p	M30x2,00
	ZFR009025	UM 20/26X34 CYL JE S NU	400	20,0	22,5	41	18,0	1" - 11 f/p	M30x2,00
	ZFR003431	UM 25/20X27 CYL JE S NU	400	25,0	23,0	41	16,0	3/4 - 14 f/p	M36x2,00
	ZFR009026	UM 25/26X34 CYL JE S NU	400	25,0	23,0	41	18,0	1" - 11 f/p	M36x2,00
	ZFR009027	UM 30/26X34 CYL JE S NU	400	30,0	23,5	46	18,0	1" - 11 f/p	M42x2,00
	ZFR009028	UM 30/33X42 CYL JE S NU	400	30,0	23,5	50	20,0	1 1/4 - 11 f/p	M42x2,00
	ZFR009029	UM 38/33X42 CYL JE S NU	315	38,0	26,0	55	20,0	1 1/4 - 11 f/p	M52x2,00
	ZFR009030	UM 38/40X49 CYL JE S NU	315	38,0	26,0	55	22,0	1 1/2 - 11 f/p	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


UM CO L NU / UM CO S NU



Union mâle métrique conique nu, séries allemandes légère et lourde

Bare tapered metric male stud coupling, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
	ZFR010086	UM 06/10X100 CO L NU	250	6,0	7,0	12	8,0	M10x1,00	M12x1,50
	ZFR008980	UM 08/14X150 CO S NU	630	8,0	13,0	17	12,0	M14x1,50	M16x1,50
	ZFR008981	UM 12/18X150 CO S NU	630	12,0	14,5	22	12,0	M18x1,50	M20x1,50

Toutes les spécifications sont données à titre indicatif, elles pourront être modifiées dans l'intérêt de notre clientèle.
Specification subject to change without prior notice in the interest of our customers.

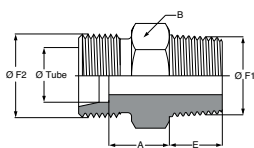
Loi du 11 mars 1957 - Tous droits réservés - Reproduction strictement interdite - 07/04/21

UM CO L NU / UM CO S NU


DIN "L" and "S" series

Union mâle BSP conique (whitworth) nu,
séries allemandes légère et lourde

Bare BSP tapered (whitworth) male stud coupling,
light and heavy DIN series

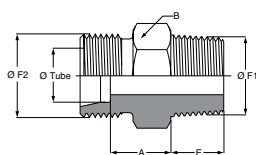


*** sur demande / on request

	Référence Reference	P.S	Ø Tube	A	B	E	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm		
ZFR008667	UM 06/05X10 CO L NU***	250	6,0	7,0	12	8,0	1/8 - 28 f/p	M12x1,50
ZFR008668	UM 06/08X13 CO L NU***	250	6,0	8,0	14	12,0	1/4 - 19 f/p	M12x1,50
ZFR002560	UM 08/08X13 CO L NU	250	8,0	8,0	17	12,0	1/4 - 19 f/p	M14x1,50
ZFR002561	UM 08/12X17 CO L NU	250	8,0	9,0	19	12,0	3/8 - 19 f/p	M14x1,50
ZFR018164	UM 08/15X21 CO L NU	250	8,0	9,0	22	14,0	1/2 - 14 f/p	M14x1,50
ZFR002563	UM 10/08X13 CO L NU	250	10,0	9,0	17	12,0	1/4 - 19 f/p	M16x1,50
ZFR002564	UM 10/12X17 CO L NU	250	10,0	10,0	19	12,0	3/8 - 19 f/p	M16x1,50
ZFR002565	UM 10/15X21 CO L NU	250	10,0	10,0	22	14,0	1/2 - 14 f/p	M16x1,50
ZFR002566	UM 12/08X13 CO L NU	250	12,0	10,0	19	12,0	1/4 - 19 f/p	M18x1,50
ZFR002567	UM 12/12X17 CO L NU	250	12,0	10,0	19	12,0	3/8 - 19 f/p	M18x1,50
ZFR002568	UM 12/15X21 CO L NU	250	12,0	10,0	22	14,0	1/2 - 14 f/p	M18x1,50
ZFR002571	UM 15/12X17 CO L NU	250	15,0	11,0	24	12,0	3/8 - 19 f/p	M22x1,50
ZFR002572	UM 15/15X21 CO L NU	250	15,0	11,0	24	14,0	1/2 - 14 f/p	M22x1,50
ZFR008669	UM 18/15X21 CO L NU	160	18,0	11,5	27	14,0	1/2 - 14 f/p	M26x1,50
ZFR008670	UM 18/20X27 CO L NU	160	18,0	11,5	32	16,0	3/4 - 14 f/p	M26x1,50
ZFR008671	UM 22/20X27 CO L NU	160	22,0	13,5	32	16,0	3/4 - 14 f/p	M30x2,00
ZFR008672	UM 28/26X34 CO L NU	100	28,0	14,5	41	18,0	1" - 11 f/p	M36x2,00
ZFR008673	UM 35/33X42 CO L NU	100	35,0	14,5	46	20,0	1"1/4 - 11 f/p	M45x2,00
ZFR008674	UM 42/40X49 CO L NU	100	42,0	16,0	55	22,0	1"1/2 - 11 f/p	M52x2,00
ZFR008982	UM 06/08X13 CO S NU	630	6,0	11,0	17	12,0	1/4 - 19 f/p	M14x1,50
ZFR008983	UM 08/08X13 CO S NU	630	8,0	13,0	17	12,0	1/4 - 19 f/p	M16x1,50
ZFR008984	UM 10/12X17 CO S NU	630	10,0	12,5	19	12,0	3/8 - 19 f/p	M18x1,50
ZFR010090	UM 12/08X13 CO S NU	630	12,0	14,5	22	13,0	1/4 - 19 f/p	M20x1,50
ZFR008985	UM 12/12X17 CO S NU	630	12,0	14,5	22	12,0	3/8 - 19 f/p	M20x1,50
ZFR008986	UM 12/15X21 CO S NU	630	12,0	14,5	22	14,0	1/2 - 14 f/p	M20x1,50
ZFR008987	UM 14/12X17 CO S NU	630	14,0	16,0	24	12,0	3/8 - 19 f/p	M22x1,50
ZFR008988	UM 14/15X21 CO S NU	630	14,0	16,0	24	14,0	1/2 - 14 f/p	M22x1,50
ZFR002574	UM 16/15X21 CO S NU	400	16,0	15,5	27	14,0	1/2 - 14 f/p	M24x1,50
ZFR008989	UM 20/20X27 CO S NU	400	20,0	17,5	32	16,0	3/4 - 14 f/p	M30x2,00
ZFR008990	UM 25/26X34 CO S NU	400	25,0	20,0	41	18,0	1" - 11 f/p	M36x2,00
ZFR008991	UM 30/33X42 CO S NU	250	30,0	20,5	46	20,0	1" 1/4 - 11 f/p	M42x2,00
ZFR008992	UM 38/40X49 CO S NU	250	38,0	23,0	55	22,0	1"1/2 - 11 f/p	M52x2,00


UM BGGS L NU / UM BGGS S NU

'DIN "L" and "S" series



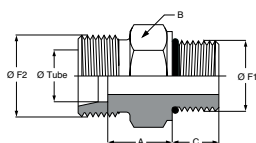
Union mâle BRIGGS (NPT) nu,
séries allemandes légère et lourde

Bare NPT male stud coupling, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR008657	UM 06/1/8 BGGS L NU	250	6,0	7,0	12	10,0	1/8 - 27 t/p	M12x1,50
ZFR008656	UM 06/1/4 BGGS L NU	250	6,0	8,0	14	15,0	1/4 - 18 t/p	M12x1,50
ZFR002637	UM 08/1/4 BGGS L NU	250	8,0	8,0	17	15,0	1/4 - 18 t/p	M12x1,50
ZFR008659	UM 08/3/8 BGGS L NU	250	8,0	9,0	19	15,0	3/8 - 18 t/p	M14x1,50
ZFR008658	UM 08/1/2 BGGS L NU	250	8,0	9,5	22	19,5	1/2 - 14 t/p	M14x1,50
ZFR002638	UM 10/1/4 BGGS L NU	250	10,0	9,0	17	15,0	1/4 - 18 t/p	M16x1,50
ZFR002639	UM 10/3/8 BGGS L NU	250	10,0	10,0	19	15,0	3/8 - 18 t/p	M16x1,50
ZFR002640	UM 12/1/4 BGGS L NU	250	12,0	10,0	19	15,0	1/4 - 18 t/p	M18x1,50
ZFR002641	UM 12/3/8 BGGS L NU	250	12,0	10,0	19	15,0	3/8 - 18 t/p	M18x1,50
ZFR008660	UM 12/1/2 BGGS L NU	250	12,0	10,5	22	19,5	1/2 - 14 t/p	M18x1,50
ZFR002644	UM 15/1/2 BGGS L NU	250	15,0	11,5	24	19,5	1/2 - 14 t/p	M22x1,50
ZFR008661	UM 18/1/2 BGGS L NU	160	18,0	12,0	27	19,5	1/2 - 14 t/p	M30x2,00
ZFR008662	UM 18/3/4 BGGS L NU	160	18,0	11,5	32	20,0	3/4 - 14 t/p	M26x1,50
ZFR008663	UM 22/3/4 BGGS L NU	160	22,0	13,5	32	20,0	3/4 - 14 t/p	M30x2,00
ZFR008664	UM 28/1" BGGS L NU	100	28,0	14,5	41	25,0	1" - 111/2 t/p	M36x2,00
ZFR008965	UM 06/1/4 BGGS S NU	630	6,0	11,0	17	15,0	1/4 - 18 t/p	M14x1,50
ZFR008966	UM 08/1/4 BGGS S NU	630	8,0	13,0	17	15,0	1/4 - 18 t/p	M16x1,50
ZFR008967	UM 10/3/8 BGGS S NU	630	10,0	12,5	19	15,0	3/8 - 18 t/p	M18x1,50
ZFR008969	UM 12/3/8 BGGS S NU	630	12,0	14,5	22	15,0	3/8 - 18 t/p	M20x1,50
ZFR008968	UM 12/1/2 BGGS S NU	630	12,0	15,0	22	19,5	1/2 - 14 t/p	M20x1,50
ZFR008970	UM 14/1/2 BGGS S NU	630	14,0	16,5	24	19,5	1/2 - 14 t/p	M22x1,50
ZFR002646	UM 16/1/2 BGGS S NU	400	16,0	16,0	27	19,5	1/2 - 14 t/p	M24x1,50
ZFR008973	UM 20/3/4 BGGS S NU	400	20,0	17,5	32	20,0	3/4 - 14 t/p	M30x2,00
ZFR008974	UM 25/1" BGGS S NU	400	25,0	20,0	41	25,0	1" - 111/2 t/p	M36x2,00
ZFR008977	UM 30/1" BGGS S NU	250	30,0	20,5	46	25,0	1" - 111/2 t/p	M36x2,00
ZFR008978	UM 30/1"1/4 BGGS S NU	250	30,0	21,0	46	25,5	1"1/4 - 111/2 t/p	M42x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


UM UNF L NU / UM UNF S NU



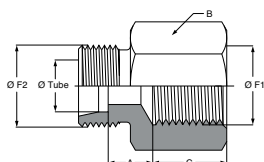
Union mâle UNF nu, séries allemandes légère et lourde

Bare UNF male stud coupling, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR008712	UM 08/7/16 UNF L NU	250	8,0	9,9	14	9,1	7/16 - 20 f/p	M14x1,50
ZFR008713	UM 10/7/16 UNF L NU	250	10,0	10,9	17	9,1	7/16 - 20 f/p	M16x1,50
ZFR008716	UM 12/9/16 UNF L NU	250	12,0	11,0	19	10,0	9/16 - 18 f/p	M18x1,50
ZFR008714	UM 12/3/4 UNF L NU	250	12,0	12,9	22	11,1	3/4 - 16 f/p	M18x1,50
ZFR008715	UM 12/7/8 UNF L NU	250	12,0	14,3	27	12,7	7/8 - 14 f/p	M18x1,50
ZFR008717	UM 15/3/4 UNF L NU	250	15,0	13,9	24	11,1	3/4 - 16 f/p	M22x1,50
ZFR010093	UM 15/7/8 UNF L NU	250	15,0	14,5	27	12,7	7/8 - 14 f/p	M22x1,50
ZFR008718	UM 18/3/4 UNF L NU	160	18,0	14,4	27	11,1	3/4 - 16 f/p	M26x1,50
ZFR008719	UM 18/7/8 UNF L NU	160	18,0	14,8	27	12,7	7/8 - 14 f/p	M26x1,50
ZFR009041	UM 08/7/16 UNF S NU	630	8,0	14,9	17	9,1	7/16 - 20 f/p	M16x1,50
ZFR009044	UM 12/9/16 UNF S NU	630	12,0	14,5	22	10,0	9/16 - 18 f/p	M20x1,50
ZFR009045	UM 16/3/4 UNF S NU	400	16,0	15,4	27	11,1	3/4 - 16 f/p	M24x1,50
ZFR009046	UM 16/7/8 UNF S NU	400	16,0	18,8	27	12,7	7/8 - 14 f/p	M24x1,50
ZFR009048	UM 20/3/4 UNF S NU	400	20,0	20,4	32	11,1	3/4 - 16 f/p	M30x2,00
ZFR009049	UM 20/7/8 UNF S NU	400	20,0	20,8	32	12,7	7/8 - 14 f/p	M30x2,00


UF CYL L NU / UF CYL S NU



Union femelle métrique cylindrique nu, séries allemandes légère et lourde

Bare metric female stud coupling, light and heavy DIN series

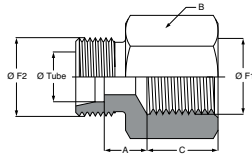
Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR008637	UF 06/10X100 CYL L NU	250	6,0	9,0	14	10,0	M10x1,00	M12x1,50
ZFR008638	UF 08/12X150 CYL L NU	250	8,0	9,5	17	14,5	M12x1,50	M14x1,50
ZFR008639	UF 10/14X150 CYL L NU	250	10,0	10,5	19	14,5	M14x1,50	M16x1,50
ZFR008640	UF 12/16X150 CYL L NU	250	12,0	11,5	22	14,5	M16x1,50	M18x1,50
ZFR008641	UF 15/18X150 CYL L NU	250	15,0	16,5	24	14,5	M18x1,50	M22x1,50
ZFR008642	UF 18/22X150 CYL L NU	160	18,0	14,0	30	16,5	M22x1,50	M26x1,50
ZFR008643	UF 22/26X150 CYL L NU	160	22,0	16,0	32	18,5	M26x1,50	M30x2,00
ZFR008645	UF 35/42X200 CYL L NU	100	35,0	17,5	55	23,0	M42x2,00	M45x2,00
ZFR008940	UF 06/12X150 CYL S NU	630	6,0	11,5	17	14,5	M12x1,50	M14x1,50
ZFR008941	UF 08/14X150 CYL S NU	630	8,0	11,5	19	14,5	M14x1,50	M16x1,50
ZFR008943	UF 12/18X150 CYL S NU	630	12,0	12,0	24	14,5	M18x1,50	M20x1,50
ZFR008946	UF 20/27X200 CYL S NU	400	20,0	15,5	36	19,0	M27x2,00	M30x2,00

Toutes les spécifications sont données à titre indicatif, elles pourront être modifiées dans l'intérêt de notre clientèle.
Specification subject to change without prior notice in the interest of our customers.


UF CYL L NU / UF CYL S NU

'DIN "L" and "S" series



Union femelle BSP cylindrique (whitworth) nu,
séries allemandes légère et lourde

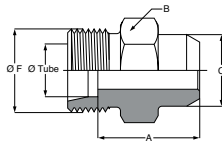
Bare BSP parallel (whitworth) female stud coupling,
light and heavy DIN series

	Référence Reference	P.S	Ø Tube	A	B	E	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm		
ZFR002668	UF 06/05X10 CYL L NU	250	6,0	9,0	14	10,0	1/8 - 28 f/p	M12x1,50
ZFR002670	UF 08/08X13 CYL L NU	250	8,0	10,0	19	14,0	1/4 - 19 f/p	M14x1,50
ZFR012463	UF 08/12x17 CYL L NU	250	8,0	13,0	22	11	3/8 - 19 f/p	M14x1,50
ZFR002672	UF 10/08X13 CYL L NU	250	10,0	11,0	19	14,0	1/4 - 19 f/p	M16x1,50
ZFR002675	UF 12/08X13 CYL L NU	250	12,0	12,0	19	11,0	1/4 - 19 f/p	M18x1,50
ZFR002676	UF 12/12X17 CYL L NU	250	12,0	12,0	24	14,0	3/8 - 19 f/p	M18x1,50
ZFR002677	UF 12/15X21 CYL L NU	250	12,0	16,0	27	15,0	1/2 - 14 f/p	M18x1,50
ZFR002681	UF 15/15X21 CYL L NU	250	15,0	14,0	27	17,0	1/2 - 14 f/p	M30x2,00
ZFR008647	UF 18/15X21 CYL L NU	160	18,0	13,5	27	17,0	1/2 - 14 f/p	M26x1,50
ZFR008648	UF 22/20X27 CYL L NU	160	22,0	16,5	36	19,0	3/4 - 14 f/p	M30x2,00
ZFR008649	UF 28/26X34 CYL L NU	100	28,0	16,0	41	21,5	1" - 11 f/p	M36x2,00
ZFR008650	UF 35/33X42 CYL L NU	100	35,0	18,0	55	23,5	1 1/4 - 11 f/p	M45x2,00
ZFR008651	UF 42/40X49 CYL L NU	100	42,0	17,5	60	25,5	1 1/2 - 11 f/p	M52x2,00
ZFR008956	UF 06/08X13 CYL S NU	630	6,0	12,0	19	14,0	1/4 - 19 f/p	M14x1,50
ZFR008957	UF 08/08X13 CYL S NU	630	8,0	12,0	19	14,0	1/4 - 19 f/p	M16x1,50
ZFR008958	UF 10/12X17 CYL S NU	630	10,0	12,5	24	14,0	3/8 - 19 f/p	M18x1,50
ZFR008959	UF 12/12X17 CYL S NU	630	12,0	12,5	24	14,0	3/8 - 19 f/p	M20x1,50
ZFR008960	UF 14/15X21 CYL S NU	630	14,0	15,0	30	17,0	1/2 - 14 f/p	M22x1,50
ZFR002683	UF 16/15X21 CYL S NU	400	16,0	14,5	30	17,0	1/2 - 14 f/p	M24x1,50
ZFR008961	UF 20/20X27 CYL S NU	400	20,0	15,5	36	19,0	3/4 - 14 f/p	M30x2,00
ZFR008962	UF 25/26X34 CYL S NU	400	25,0	15,5	41	21,5	1" - 11 f/p	M36x2,00
ZFR008963	UF 30/33X42 CYL S NU	250	30,0	19,0	55	23,5	1 1/4 - 11 f/p	M42x2,00
ZFR008964	UF 38/40X49 CYL S NU	250	38,0	18,5	60	25,5	1 1/2 - 11 f/p	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

UMS L NU / UMS S NU


DIN "L" and "S" series



Union mâle à souder nu,
séries allemandes légère et lourde

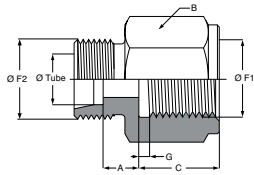
Bare welding male stud coupling, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	Ø F - Filetage Ø F - Thread size
	ZFR008702	250	6,0	14,0	12	10,0	M12x1,50
	ZFR008703	250	8,0	16,0	14	12,0	M14x1,50
	ZFR008704	250	10,0	18,0	17	14,0	M16x1,50
	ZFR008705	250	12,0	18,0	19	16,0	M18x1,50
	ZFR008706	250	15,0	22,0	22	19,0	M22x1,50
	ZFR008707	160	18,0	23,5	27	22,0	M26x1,50
	ZFR008708	160	22,0	28,5	32	27,0	M30x2,00
	ZFR008709	100	28,0	30,5	41	32,0	M36x2,00
	ZFR008710	100	35,0	32,5	46	40,0	M45x2,00
	ZFR008711	100	42,0	35,0	55	46,0	M52x2,00
	ZFR009031	630	6,0	19,0	14	11,0	M14x1,50
	ZFR009032	630	8,0	21,0	17	13,0	M16x1,50
	ZFR009033	630	10,0	22,5	19	15,0	M18x1,50
	ZFR009034	630	12,0	24,5	22	17,0	M20x1,50
	ZFR009035	630	14,0	27,0	24	19,0	M22x1,50
	ZFR009036	400	16,0	26,5	27	21,0	M24x1,50
	ZFR009037	400	20,0	29,5	32	26,0	M30x2,00
	ZFR009038	400	25,0	32,0	41	31,0	M36x2,00
	ZFR009039	250	30,0	35,5	46	36,0	M42x2,00
	ZFR009040	250	38,0	38,0	55	44,0	M52x2,00

UFM CYL L NU / UFM CYL S NU

'DIN "L" and "S" series



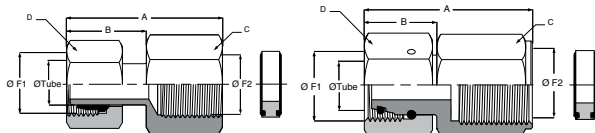
Union femelle BSP cylindrique (whitworth) nu pour manomètre, séries allemandes légère et lourde

Pressure gauge bare BSP parallel (whitworth) female stud coupling, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	G mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR008652								
	ZFR008653								
	ZFR008654								
	ZFR008655								
	ZFR008952								
	ZFR008953								
	ZFR008954								
	ZFR008955								

AT - FG MANO L / AT - FG MANO S



Adaptateur tournant pour manomètre, séries allemandes légère et lourde

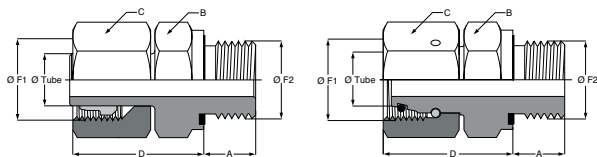
Stud standpipe adaptor for pressure gauge light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR056384								
	ZFR057037								
	ZFR036774								
	ZFR063529								
	ZFR161613								
	ZFR161626								
	ZFR067974								
	ZFR161627								
	ZFR161628								
	ZFR161629								
	ZFR161630								

AT CYL JE L / AT CYL JE S
AT CYL JE L OR / AT CYL JE S OR



Adapteur tournant métrique cylindrique avec joint élastomère


Adapteur tournant métrique cylindrique avec joint torique et joint élastomère, séries allemandes légère et lourde

Metric stud standpipe adaptor with elastomer seal

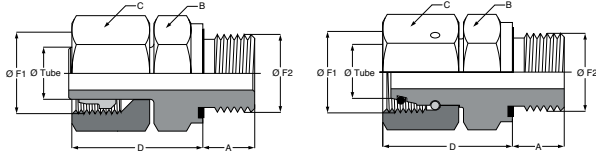
Metric stud standpipe adaptor with O'ring and elastomer seal, light and heavy DIN series

Disponibilité en INOX : nous consulter

Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S	Ø Tube	A	B	C	D	Ø F1 - Filetage	Ø F2 - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
		bar	mm	mm	mm	mm	mm		
ZFR028849	AT 06/10X100 CYL JE L OR	500	6,0	8,0	14	14	24,5	M12x1,50	M10x1,00
ZFR028850	AT 08/12X150 CYL JE L OR	500	8,0	12,0	17	17	26,5	M14x1,50	M12x1,50
ZFR028851	AT 10/14X150 CYL JE L OR	500	10,0	12,0	19	19	27,5	M16x1,50	M14x1,50
ZFR028852	AT 12/16X150 CYL JE L OR	400	12,0	12,0	22	22	30,5	M18x1,50	M16x1,50
ZFR180472	AT 12/22X150 CYL JE L OR	400	12,0	14,0	27,0	22,0	30,0	M18x1,50	M22x1,50
ZFR028857	AT 15/18X150 CYL JE L OR	400	15,0	12,0	24	27	31,5	M22x1,50	M18x1,50
ZFR028858	AT 18/22X150 CYL JE L OR	400	18,0	14,0	27	32	31,5	M26x1,50	M22x1,50
ZFR028859	AT 22/26X150 CYL JE L OR	250	22,0	16,0	32	36	32,5	M30x2,00	M26x1,50
ZFR028860	AT 28/33X200 CYL JE L OR	250	28,0	18,0	41	41	35,0	M36x2,00	M33x2,00
ZFR028861	AT 35/42X200 CYL JE L OR	250	35,0	20,0	50	50	42,5	M45x2,00	M42x2,00
ZFR028862	AT 42/48X200 CYL JE L OR	250	42,0	22,0	55	60	46,5	M52x2,00	M48x2,00
ZFR015922	AT 08/14X150 CYL JE S	630	8,0	12,0	19	19	29,5	M16x1,50	M14x1,50
ZFR015924	AT 12/18X150 CYL JE S	630	12,0	12,0	24	24	34,0	M20x1,50	M18x1,50
ZFR028863	AT 06/12X150 CYL JE S OR	800	6,0	12,0	17	17	27,0	M14x1,50	M12x1,50
ZFR028864	AT 08/14X150 CYL JE S OR	800	8,0	12,0	19	19	29,5	M16x1,50	M14x1,50
ZFR028865	AT 10/16X150 CYL JE S OR	800	10,0	12,0	22	22	32,0	M18x1,50	M16x1,50
ZFR028866	AT 12/18X150 CYL JE S OR	630	12,0	12,0	24	24	34,0	M20x1,50	M18x1,50
ZFR028867	AT 14/20X150 CYL JE S OR	630	14,0	14,0	27	27	36,5	M22x1,50	M20x1,50
ZFR028868	AT 16/22X150 CYL JE S OR	630	16,0	14,0	27	30	37,0	M24x1,50	M22x1,50
ZFR028869	AT 20/27X200 CYL JE S OR	420	20,0	16,0	32	36	43,0	M30x2,00	M27x2,00
ZFR028870	AT 25/33X200 CYL JE S OR	420	25,0	18,0	41	46	48,0	M36x2,00	M33x2,00
ZFR028871	AT 30/42X200 CYL JE S OR	420	30,0	20,0	50	50	51,0	M42x2,00	M42x2,00
ZFR028872	AT 38/48X200 CYL JE S OR	420	38,0	22,0	55	60	60,0	M52x2,00	M48x2,00

AT CYL JE L / AT CYL JE S
AT CYL JE L OR / AT CYL JE S OR




Adaptateur tournant BSP cylindrique (whitworth) avec joint élastomère

Adaptateur tournant BSP cylindrique (whitworth) avec joint torique et joint élastomère, séries allemandes légère et lourde

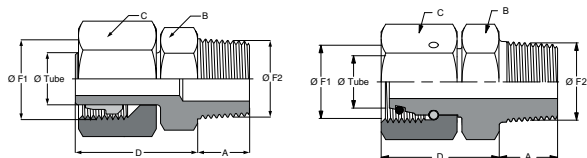
BSP parallel (whitworth) stud standpipe adaptor with elastomer seal

BSP parallel (whitworth) stud standpipe adaptor with O'ring and elastomer seal, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR003437	AT 12/08X13 CYL JE L	250	12,0	12,0	19	22	29,5	M18x1,50	1/4 - 19 f/p
ZFR003440	AT 12/15X21 CYL JE L	250	12,0	14,0	27	22	34,5	M18x1,50	1/2 - 14 f/p
ZFR028873	AT 06/05X10 CYL JE L OR	500	6,0	8,0	14	14	24,5	M12x1,50	1/8 - 28 f/p
ZFR028874	AT 08/08X13 CYL JE L OR	500	8,0	12,0	19	17	29,5	M14x1,50	1/4 - 19 f/p
ZFR028875	AT 10/08X13 CYL JE L OR	500	10,0	12,0	19	19	27,5	M16x1,50	1/4 - 19 f/p
ZFR052984	AT 10/12X17 CYL JE L OR	500	10,0	12,0	22	19	29,0	M16x1,50	3/8 - 19 f/p
ZFR028876	AT 12/12X17 CYL JE L OR	400	12,0	12,0	22	22	34,0	M18x1,50	3/8 - 19 f/p
ZFR028877	AT 15/15X21 CYL JE L OR	400	15,0	14,0	27	27	32,0	M22x1,50	1/2 - 14 f/p
ZFR046651	AT 15/20X27 CYL JE L OR	400	15,0	16,0	32	27	27,0	M22x1,50	3/4 - 14 f/p
ZFR028878	AT 18/15X21 CYL JE L OR	400	18,0	14,0	27	32	31,5	M26x1,50	1/2 - 14 f/p
ZFR045620	AT 18/20X27 CYL JE L OR	250	18,0	16,0	32	32	31,5	M26x1,50	3/4 - 14 f/p
ZFR028879	AT 22/20X27 CYL JE L OR	250	22,0	16,0	32	36	32,5	M30x2,00	3/4 - 14 f/p
ZFR028880	AT 28/26X34 CYL JE L OR	250	28,0	18,0	41	41	35,0	M36x2,00	1" - 11 f/p
ZFR028881	AT 35/33X42 CYL JE L OR	250	35,0	20,0	50	50	42,5	M45x2,00	1 1/4 - 11 f/p
ZFR028882	AT 42/40X49 CYL JE L OR	250	42,0	22,0	55	60	46,5	M52x2,00	1 1/2 - 11 f/p
ZFR015961	AT 06/08X13 CYL JE S	630	6,0	12,0	19	17	27,0	M14x1,50	1/4 - 19 f/p
ZFR015962	AT 08/08X13 CYL JE S	630	8,0	12,0	19	19	29,5	M16x1,50	1/4 - 19 f/p
ZFR015963	AT 10/12X17 CYL JE S	630	10,0	12,0	22	22	32,0	M18x1,50	3/8 - 19 f/p
ZFR015985	AT 12/15X21 CYL JE S	630	12,0	14,0	27	24	35,0	M20x1,50	1/2 - 14 f/p
ZFR015965	AT 14/15X21 CYL JE S	630	14,0	14,0	27	27	36,5	M22x1,50	1/2 - 14 f/p
ZFR004316	AT 16/20X27 CYL JE S	400	16,0	16,0	32	30	39,0	M24x1,50	3/4 - 14 f/p
ZFR013861	AT 06/08X13 CYL JE S OR	800	6,0	12,0	19	17	27,0	M14x1,50	1/4 - 19 f/p
ZFR013862	AT 08/08X13 CYL JE S OR	800	8,0	12,0	19	19	29,5	M16x1,50	1/4 - 19 f/p
ZFR013863	AT 10/12X17 CYL JE S OR	800	10,0	12,0	22	22	32,0	M18x1,50	3/8 - 19 f/p
ZFR013864	AT 12/12X17 CYL JE S OR	630	12,0	12,0	22	24	34,0	M20x1,50	3/8 - 19 f/p
ZFR013865	AT 14/15X21 CYL JE S OR	630	14,0	14,0	27	27	36,5	M22x1,50	1/2 - 14 f/p
ZFR013866	AT 16/15X21 CYL JE S OR	630	16,0	14,0	27	30	37,0	M24x1,50	1/2 - 14 f/p
ZFR028279	AT 20/15X21 CYL JE S OR	420	20,0	14,0	27	36	41,5	M30x2,00	1/2 - 14 f/p
ZFR013867	AT 20/20X27 CYL JE S OR	420	20,0	16,0	32	36	43,0	M30x2,00	3/4 - 14 f/p
ZFR029285	AT 25/20X27 CYL JE S OR	420	25,0	16,0	32	46	45,5	M36x2,00	3/4 - 14 f/p
ZFR013868	AT 25/26X34 CYL JE S OR	420	25,0	18,0	41	46	48,0	M36x2,00	1" - 11 f/p
ZFR087971	AT 30/26X34 CYL JE S OR	420	30,0	18	41	50	50,5	M42x2,00	1" - 11 f/p
ZFR013869	AT 30/33X42 CYL JE S OR	420	30,0	20,0	50	50	51,0	M42x2,00	1 1/4 - 11 f/p
ZFR013870	AT 38/40X49 CYL JE S OR	420	38,0	22,0	55	60	60,0	M52x2,00	1 1/2 - 11 f/p

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

AT BGGS L
AT BGGS L OR / AT BGGS S OR



Adapteur tournant BRIGGS (NPT)

Adapteur tournant BRIGGS (NPT) avec joint torique
séries allemandes légère et lourde


NPT stud standpipe adaptor

NPT stud standpipe adaptor with O'ring, light and heavy DIN series

Disponibilité en INOX : nous consulter

Availability in STAINLESS STEEL : consult us

*** sur demande / on request

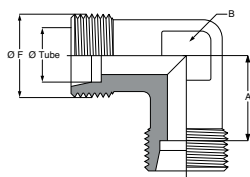
	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage	Ø F2 - Filetage
								Ø F1 - Thread size	Ø F2 - Thread size
ZFR006076	AT 08/1/4 BGGS L	250	8,0	15,0	14	17	27,5	M14x1,50	1/4 - 18 f/p
ZFR016000	AT 28/1" BGGS L***	-	28,0	-	-	-	-	M36x2,00	1" - 111/2 f/p
ZFR016001	AT 35/1"1/4 BGGS L	100	35,0	25,5	46	50	39,5	M45x2,00	1"1/4 - 111/2 f/p
ZFR015993	AT 06/1/8 BGGS L OR	315	6,0	10,0	12	14	23,0	M12x1,50	1/8 - 27 f/p
ZFR0036077	AT 10/1/4 BGGS L OR	315	10,0	15,0	14	19	25,5	M16x1,50	1/4 - 18 f/p
ZFR051326	AT 15/1/2 BGGS L OR	315	15,0	19,5	22	27	29,0	M22x1,50	1/2 - 14 f/p
ZFR051329	AT 18/1/2 BGGS L OR	315	18,0	19,5	24	32	28,5	M26x1,50	1/2 - 14 f/p
ZFR051330	AT 22/3/4 BGGS L OR	160	22,0	20,0	27	36	29,5	M30x2,00	3/4 - 14 f/p
ZFR051332	AT 06/1/4 BGGS S OR	630	6,0	15,0	14	17	25,0	M14x1,50	1/4 - 18 f/p
ZFR051333	AT 08/1/4 BGGS S OR***	-	8,0	-	-	-	-	M16x1,50	1/4 - 18 f/p
ZFR051334	AT 10/3/8 BGGS S OR	630	10,0	15,0	19	22	29,5	M18x1,50	3/8 - 18 f/p
ZFR051335	AT 12/3/8 BGGS S OR	630	12,0	15,0	19	24	31,5	M20x1,50	3/8 - 18 f/p
ZFR051336	AT 16/1/2 BGGS S OR	630	16,0	19,5	22	30	34,0	M24x1,50	1/2 - 14 f/p
ZFR051337	AT 20/3/4 BGGS S OR	400	20,0	20,0	27	36	40,0	M30x2,00	3/4 - 14 f/p
ZFR051338	AT 25/1" BGGS S OR	400	25,0	25,0	36	46	45,0	M36x2,00	1" - 111/2 f/p
ZFR051339	AT 30/1"1/4 BGGS S OR	400	30,0	25,5	46	50	48,0	M42x2,00	1"1/4 - 111/2 f/p


CE L NU / CE S NU

'DIN "L" and "S" series

Coude égal nu, séries allemandes légère et lourde

Bare equal elbow, light and heavy DIN series

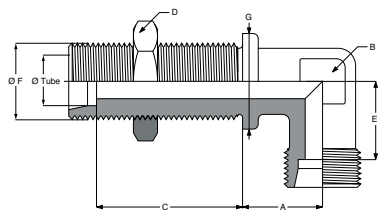


	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR008505	CE 06 L NU	250	6,0	12,0	12	M12x1,50
ZFR006119	CE 08 L NU	250	8,0	14,0	12	M14x1,50
ZFR006120	CE 10 L NU	250	10,0	15,0	14	M16x1,50
ZFR006121	CE 12 L NU	250	12,0	17,0	17	M18x1,50
ZFR006123	CE 15 L NU	250	15,0	21,0	19	M22x1,50
ZFR008507	CE 18 L NU	160	18,0	23,5	24	M26x1,50
ZFR008508	CE 22 L NU	160	22,0	27,5	27	M30x2,00
ZFR008509	CE 28 L NU	100	28,0	30,5	36	M36x2,00
ZFR008510	CE 35 L NU	100	35,0	34,5	41	M45x2,00
ZFR008511	CE 42 L NU	100	42,0	40,0	50	M52x2,00
ZFR008751	CE 06 S NU	630	6,0	16,0	12	M14x1,50
ZFR008752	CE 08 S NU	630	8,0	17,0	14	M16x1,50
ZFR008753	CE 10 S NU	630	10,0	17,5	17	M18x1,50
ZFR008754	CE 12 S NU	630	12,0	21,5	17	M20x1,50
ZFR008755	CE 14 S NU	630	14,0	22,0	19	M22x1,50
ZFR006124	CE 16 S NU	400	16,0	24,5	24	M24x1,50
ZFR008756	CE 20 S NU	400	20,0	26,5	27	M30x2,00
ZFR008757	CE 25 S NU	400	25,0	30,0	36	M36x2,00
ZFR008758	CE 30 S NU	250	30,0	35,5	41	M42x2,00
ZFR008759	CE 38 S NU	250	38,0	41,0	50	M52x2,00

SÉRIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


CEC L NU / CEC S NU

DIN "L" and "S" series



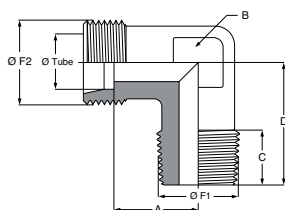
Coude égal de cloison nu,
séries allemandes légère et lourde

Bare bulkhead equal elbow, light and heavy DIN series

	Référence Reference	P.S	Ø Tube	A	B	C	D	E	G	Ø F - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	mm	mm	mm	Ø F - Thread size
		bar	mm	mm	mm	mm	mm	mm	mm	
ZFR008494	CEC 06 L NU	250	6,0	14,0	12	27,0	17	12,0	17,0	M12x1,50
ZFR008495	CEC 08 L NU	250	8,0	17,0	12	27,0	19	14,0	19,0	M14x1,50
ZFR008496	CEC 10 L NU	250	10,0	18,0	14	28,0	22	15,0	22,0	M16x1,50
ZFR008497	CEC 12 L NU	250	12,0	20,0	17	29,0	24	17,0	24,0	M18x1,50
ZFR008498	CEC 15 L NU	250	15,0	23,0	19	31,0	30	21,0	27,0	M22x1,50
ZFR008499	CEC 18 L NU	160	18,0	24,0	24	32,5	36	23,5	32,0	M26x1,50
ZFR008500	CEC 22 L NU	160	22,0	30,0	27	34,5	41	27,5	36,0	M30x2,00
ZFR008501	CEC 28 L NU	100	28,0	34,0	36	35,5	46	30,5	42,0	M36x2,00
ZFR008502	CEC 35 L NU	100	35,0	39,0	41	36,5	55	34,5	50,0	M45x2,00
ZFR008504	CEC 42 L NU	100	42,0	43,0	50	36,0	65	40,0	60,0	M52x2,00
ZFR008738	CEC 06 S NU	630	6,0	17,0	12	29,0	19	16,0	19,0	M14x1,50
ZFR008742	CEC 08 S NU	630	8,0	18,0	14	29,0	22	17,0	22,0	M16x1,50
ZFR008743	CEC 10 S NU	630	10,0	20,0	17	29,5	24	17,5	24,0	M18x1,50
ZFR008744	CEC 12 S NU	630	12,0	21,0	17	30,5	27	21,5	27,0	M20x1,50
ZFR008745	CEC 14 S NU	630	14,0	23,0	19	32,0	30	22,0	27,0	M22x1,50
ZFR008746	CEC 16 S NU	400	16,0	24,0	24	31,5	32	24,5	30,0	M24x1,50
ZFR008747	CEC 20 S NU	400	20,0	30,0	27	33,5	41	26,5	36,0	M30x2,00
ZFR008748	CEC 25 S NU	400	25,0	34,0	36	35,0	46	30,0	42,0	M36x2,00
ZFR008749	CEC 30 S NU	250	30,0	39,0	41	37,5	50	35,5	50,0	M42x2,00
ZFR008750	CEC 38 S NU	250	38,0	43,0	50	37,0	65	41,0	60,0	M52x2,00


CM CO L NU / CM CO S NU

'DIN "L" and "S" series



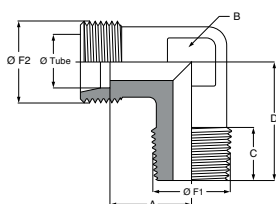
Coude mâle BSP conique (whitworth) nu,
séries allemandes légère et lourde

Bare BSP tapered (whitworth) male stud elbow,
light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage	Ø F2 - Filetage
								Ø F1 - Thread size	Ø F2 - Thread size
	ZFR008529								
	ZFR008530								
	ZFR008531								
	ZFR004102								
	ZFR012464								
	ZFR004103								
	ZFR004104								
	ZFR004105								
	ZFR004106								
	ZFR004107								
	ZFR004108								
	ZFR017814								
	ZFR004111								
	ZFR008532								
	ZFR008533								
	ZFR008534								
	ZFR008535								
	ZFR008536								
	ZFR008788								
	ZFR008789								
	ZFR008790								
	ZFR008791								
	ZFR008792								
	ZFR008793								
	ZFR008794								
	ZFR004112								
	ZFR004113								
	ZFR034408								
	ZFR008795								
	ZFR010077								
	ZFR008796								

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

CM CO L NU / CM CO S NU



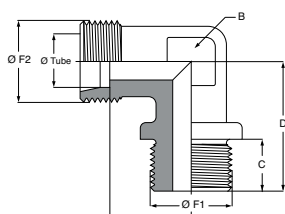
Coude mâle métrique conique nu, séries allemandes légère et lourde

Bare tapered metric male stud elbow, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
ZFR008537	CM 06/10X100 CO L NU	250	6,0	12,0	12	8,0	20,0	M10x1,00	M12x1,50
ZFR008538	CM 08/12X150 CO L NU	250	8,0	14,0	12	12,0	26,0	M12x1,50	M14x1,50
ZFR008539	CM 10/14X150 CO L NU	250	10,0	15,0	14	12,0	27,0	M14x1,50	M16x1,50
ZFR003436	CM 12/16X150 CO L NU	250	12,0	17,0	17	12,0	28,0	M16x1,50	M18x1,50
ZFR008540	CM 15/18X150 CO L NU	250	15,0	21,0	19	12,0	32,0	M18x1,50	M22x1,50
ZFR008541	CM 18/22X150 CO L NU	160	18,0	23,5	24	14,0	36,0	M22x1,50	M26x1,50
ZFR008783	CM 10/16X150 CO S NU	630	10,0	17,5	17	12,0	28,0	M16x1,50	M18x1,50
ZFR008784	CM 12/18X150 CO S NU	630	12,0	21,5	17	12,0	28,0	M18x1,50	M20x1,50
ZFR008787	CM 16/22X150 CO S NU	400	16,0	24,5	24	14,0	32,0	M22x1,50	M24x1,50

CM CYL L NU / CM CYL S NU



Coude mâle BSP cylindrique (whitworth) nu, séries allemandes légère et lourde

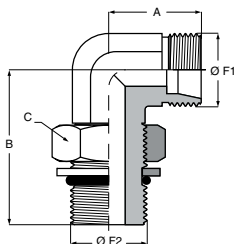
Bare BSP parallel (whitworth) male stud elbow, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
ZFR008542	CM 22/20X27 CYL L NU	160	22,0	27,5	27	15,0	43,5	3/4 - 14 f/p	M30x2,00
ZFR008544	CM 35/33X42 CYL L NU	100	35,0	34,5	41	19,0	57,0	1"1/4 - 11 f/p	M45x2,00
ZFR008545	CM 42/40X49 CYL L NU	100	42,0	40,0	50	20,0	64,0	1"1/2 - 11 f/p	M52x2,00
ZFR008811	CM 20/20X27 CYL S NU	400	20,0	26,5	27	15,0	43,5	3/4 - 14 f/p	M30x2,00
ZFR008812	CM 25/26X34 CYL S NU	400	25,0	30,0	36	17,0	49,0	1" - 11 f/p	M36x2,00

CM CYL L OR NU / CM CYL S OR NU

'DIN "L" and "S" series




Coude mâle BSP cylindrique (whitworth) nu, avec joint élastomère, séries allemandes légère et lourde

Bare BSP male parallel (whitworth) stud elbow, with elastomer seal, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

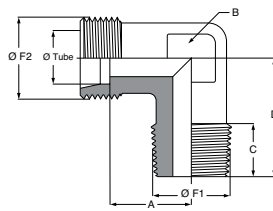
*** sur demande / on request

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR063539	CM 06/05X10 CYL L OR NU	315	6,0	19,0	26,0	14	M12x1,50	1/8 - 19 f/p
ZFR163368	CM 06/08X13 CYL L OR NU***	315	6,0	-	-	-	M12x1,50	1/4 - 19 f/p
ZFR063540	CM 08/08X13 CYL L OR NU	315	8,0	21,0	32,0	19	M14x1,50	1/4 - 19 f/p
ZFR171684	CM 08/12X17 CYL L OR NU***	315	8,0	-	-	-	M14x1,50	3/8 - 19 f/p
ZFR065468	CM 10/12X17 CYL L OR NU***	315	10,0	-	-	-	M16x1,50	3/8 - 19 f/p
ZFR065593	CM 12/08X13 CYL L OR NU***	250	12,0	-	-	-	M18x1,50	1/4 - 19 f/p
ZFR048615	CM 12/12X17 CYL L OR NU	250	12,0	24,0	37,0	22	M18x1,50	3/8 - 19 f/p
ZFR084522	CM 12/15X21 CYL L OR NU***	250	12,0	-	-	-	M18x1,50	1/2 - 14 f/p
ZFR083567	CM 15/12X17 CYL L OR NU***	250	15,0	-	-	-	M22x1,50	3/8 - 19 f/p
ZFR038770	CM 15/15X21 CYL L OR NU	250	15,0	28,0	44,0	27	M22x1,50	1/2 - 14 f/p
ZFR038343	CM 22/20X27 CYL L OR NU	160	22,0	35,0	51,0	36	M30x2,00	3/4 - 19 f/p
ZFR063542	CM 35/33X42 CYL L OR NU	160	35,0	45,0	59,0	50	M45x2,00	1"1/4 - 11 f/p
ZFR063544	CM 06/08X13 CYL S OR NU	315	6,0	23,0	32,0	19	M14x1,50	1/4 - 19 f/p
ZFR063545	CM 08/08X13 CYL S OR NU	315	8,0	24,0	32,0	19	M16x1,50	1/4 - 19 f/p
ZFR063546	CM 10/08X13 CYL S OR NU***	250	10,0	-	-	-	M18x1,50	1/4 - 19 f/p
ZFR022283	CM 12/12X17 CYL S OR NU	250	12,0	29,0	37,0	22	M20x1,50	3/8 - 19 f/p
ZFR082717	CM 12/15X21 CYL S OR NU***	250	12,0	-	-	-	M20x1,50	1/2 - 14 f/p
ZFR063547	CM 14/15X21 CYL S OR NU	250	14,0	30,0	44,0	27	M22x1,50	1/2 - 14 f/p
ZFR063548	CM 16/15X21 CYL S OR NU	250	16,0	33,0	47,0	27	M24x1,50	1/2 - 14 f/p
ZFR156137	CM 16/20X27 CYL S OR NU***	250	16,0	-	-	-	M24x1,50	3/4 - 19 f/p
ZFR043520	CM 20/20X27 CYL S OR NU	250	20,0	37,0	51,0	36	M30x2,00	3/4 - 19 f/p
ZFR053682	CM 25/26X34 CYL S OR NU	200	25,0	42,0	53,0	41	M36x2,00	1" - 11 f/p
ZFR067967	CM 30/33X42 CYL OR S NU	200	30,0	49,0	59,0	50	M42x2,00	1"1/4 - 11 f/p

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

CM BGGS L NU / CM BGGS S NU

DIN "L" and "S" series



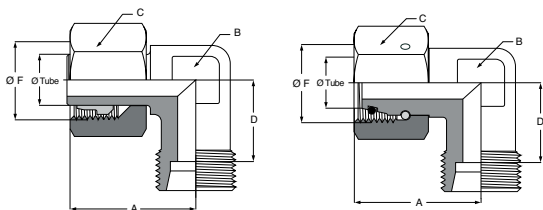
Coude mâle BRIGGS (NPT) nu,
séries allemandes légère et lourde

Bare NPT male stud elbow, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR008523	CM 06/1/8 BGGS L NU	250	6,0	12,0	12	10,0	20,0	1/8 - 27 t/p	M12x1,50
ZFR004130	CM 08/1/8 BGGS L NU	250	8,0	12,0	12	10,0	24,0	1/8 - 27 t/p	M14x1,50
ZFR004131	CM 08/1/4 BGGS L NU	250	8,0	14,0	12	15,0	26,0	1/4 - 18 t/p	M14x1,50
ZFR004132	CM 10/1/4 BGGS L NU	250	10,0	15,0	14	15,0	27,0	1/4 - 18 t/p	M16x1,50
ZFR004134	CM 12/1/4 BGGS L NU	250	12,0	17,0	17	15,0	28,0	1/4 - 18 t/p	M18x1,50
ZFR004135	CM 12/3/8 BGGS L NU	250	12,0	17,0	17	15,0	28,0	3/8 - 18 t/p	M18x1,50
ZFR004137	CM 15/1/2 BGGS L NU	250	15,0	21,0	19	19,5	34,0	1/2 - 14 t/p	M22x1,50
ZFR008525	CM 18/1/2 BGGS L NU	160	18,0	23,5	24	19,5	36,0	1/2 - 14 t/p	M26x1,50
ZFR008526	CM 22/3/4 BGGS L NU	160	22,0	27,5	27	20,0	42,0	3/4 - 14 t/p	M30x2,00
ZFR008527	CM 28/1" BGGS L NU	100	28,0	30,5	36	25,0	48,0	1" - 11 1/2 t/p	M36x2,00
ZFR008771	CM 08/1/4 BGGS S NU	630	8,0	17,0	14	15,0	27,0	1/4 - 18 t/p	M16x1,50
ZFR008772	CM 10/3/8 BGGS S NU	630	10,0	17,5	17	15,0	28,0	3/8 - 18 t/p	M18x1,50
ZFR008774	CM 12/3/8 BGGS S NU	630	12,0	21,5	17	15,0	28,0	3/8 - 18 t/p	M20x1,50
ZFR004139	CM 16/1/2 BGGS S NU	400	16,0	24,5	24	19,5	36,0	1/2 - 14 t/p	M24x1,50

CF L NU / CF S NU
CF L OR NU / CF S OR NU



Coude femelle nu


Coude femelle nu avec joint torique,
séries allemandes légère et lourde

Bare female stud elbow

Bare female stud elbow with O'ring, light and heavy DIN series

Disponibilité en INOX : nous consulter

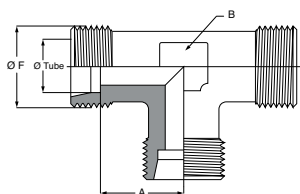
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S	Ø Tube	A	B	C	D	Ø F - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm	mm	Ø F - Thread size
		bar	mm	mm	mm	mm	mm	
ZFR028837	CF 06 L OR NU	500	6,0	26,0	12	14	12,0	M12x1,50
ZFR028838	CF 08 L OR NU	500	8,0	27,5	12	17	14,0	M14x1,50
ZFR027596	CF 10 L OR NU	500	10,0	29,0	14	19	15,0	M16x1,50
ZFR027597	CF 12 L OR NU	400	12,0	29,5	17	22	17,0	M18x1,50
ZFR027598	CF 15 L OR NU	400	15,0	32,5	19	27	21,0	M22x1,50
ZFR028844	CF 18 L OR NU	400	18,0	35,5	24	32	23,5	M26x1,50
ZFR027599	CF 22 L OR NU	250	22,0	38,5	27	36	27,5	M30x2,00
ZFR027600	CF 28 L OR NU	250	28,0	41,5	36	41	30,5	M36x2,00
ZFR027601	CF 35 L OR NU	250	35,0	51,5	41	50	34,5	M45x2,00
ZFR027602	CF 42 L OR NU	250	42,0	56,0	50	60	40,0	M52x2,00
ZFR008760	CF 06 S NU	630	6,0	27,0	12	17	16,0	M14x1,50
ZFR008761	CF 08 S NU	630	8,0	27,5	14	19	17,0	M16x1,50
ZFR008762	CF 10 S NU	630	10,0	30,0	17	22	17,5	M18x1,50
ZFR008764	CF 14 S NU	630	14,0	35,0	19	27	22,0	M22x1,50
ZFR028845	CF 06 S OR NU	800	6,0	27,0	12	17	16,0	M14x1,50
ZFR022248	CF 08 S OR NU	800	8,0	27,5	14	19	17,0	M16x1,50
ZFR025776	CF 10 S OR NU	800	10,0	30,0	17	22	17,5	M18x1,50
ZFR013872	CF 12 S OR NU	630	12,0	31,0	17	24	21,5	M20x1,50
ZFR028846	CF 14 S OR NU	630	14,0	35,0	19	27	22,0	M22x1,50
ZFR013873	CF 16 S OR NU	630	16,0	36,5	24	30	24,5	M24x1,50
ZFR013874	CF 20 S OR NU	420	20,0	44,5	27	36	26,5	M30x2,00
ZFR013875	CF 25 S OR NU	420	25,0	50,0	36	46	30,0	M36x2,00
ZFR013876	CF 30 S OR NU	420	30,0	55,5	41	50	35,5	M42x2,00
ZFR013877	CF 38 S OR NU	420	38,0	63,0	50	60	41,0	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

T L NU / T S NU


DIN "L" and "S" series



Té égal nu, séries allemandes légère et lourde

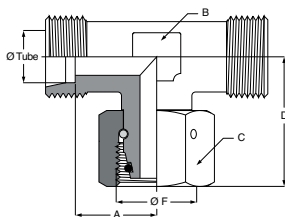
Bare equal stud tee, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S	Ø Tube	A	B	Ø F - Filetage
		W.P	O.D. rigid pipe	mm	mm	mm
		bar	mm	mm	mm	
ZFR008585	T 06 L NU	250	6,0	12,0	12	M12x1,50
ZFR004170	T 08 L NU	250	8,0	14,0	12	M14x1,50
ZFR004171	T 10 L NU	250	10,0	15,0	14	M16x1,50
ZFR004172	T 12 L NU	250	12,0	17,0	17	M18x1,50
ZFR004174	T 15 L NU	250	15,0	21,0	19	M22x1,50
ZFR008586	T 18 L NU	160	18,0	23,5	24	M26x1,50
ZFR008587	T 22 L NU	160	22,0	27,5	27	M30x2,00
ZFR008588	T 28 L NU	100	28,0	30,5	36	M36x2,00
ZFR008589	T 35 L NU	100	35,0	34,5	41	M45x2,00
ZFR008590	T 42 L NU	100	42,0	40,0	50	M52x2,00
ZFR008877	T 06 S NU	630	6,0	16,0	12	M14x1,50
ZFR008878	T 08 S NU	630	8,0	17,0	14	M16x1,50
ZFR008879	T 10 S NU	630	10,0	17,5	17	M18x1,50
ZFR008880	T 12 S NU	630	12,0	21,5	17	M20x1,50
ZFR008881	T 14 S NU	630	14,0	22,0	19	M22x1,50
ZFR004175	T 16 S NU	400	16,0	24,5	24	M24x1,50
ZFR008882	T 20 S NU	400	20,0	26,5	27	M30x2,00
ZFR008883	T 25 S NU	400	25,0	30,0	36	M36x2,00
ZFR008884	T 30 S NU	250	30,0	35,5	41	M42x2,00
ZFR008885	T 38 S NU	250	38,0	41,0	50	M52x2,00

TO L OR NU / TO S OR NU


'DIN "L" and "S" series



Té orientable nu avec joint torique,
séries allemandes légère et lourde

Bare adjustable equal stud branch tee with O'ring,
light and heavy DIN series

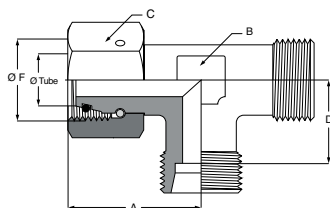
Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
ZFR028828	TO 06 L OR NU	500	6,0	12,0	12	14	26,0	M12x1,50
ZFR028829	TO 08 L OR NU	500	8,0	14,0	12	17	27,5	M14x1,50
ZFR027603	TO 10 L OR NU	500	10,0	15,0	14	19	29,0	M16x1,50
ZFR028830	TO 12 L OR NU	400	12,0	17,0	17	22	29,5	M18x1,50
ZFR028776	TO 15 L OR NU	400	15,0	21,0	19	27	32,5	M22x1,50
ZFR028831	TO 18 L OR NU	400	18,0	23,5	24	32	35,5	M26x1,50
ZFR028832	TO 22 L OR NU	250	22,0	27,5	27	36	38,5	M30x2,00
ZFR028833	TO 28 L OR NU	250	28,0	30,5	36	41	41,5	M36x2,00
ZFR028834	TO 35 L OR NU	250	35,0	34,5	41	50	51,5	M45x2,00
ZFR028835	TO 42 L OR NU	250	42,0	40,0	50	60	56,0	M52x2,00
ZFR028836	TO 06 S OR NU	800	6,0	16,0	12	17	27,0	M14x1,50
ZFR025778	TO 08 S OR NU	800	8,0	17,0	14	19	27,5	M16x1,50
ZFR025779	TO 10 S OR NU	800	10,0	17,5	17	22	30,0	M18x1,50
ZFR013888	TO 12 S OR NU	630	12,0	21,5	17	24	31,0	M20x1,50
ZFR013889	TO 14 S OR NU	630	14,0	22,0	19	27	35,0	M22x1,50
ZFR013890	TO 16 S OR NU	630	16,0	24,5	24	30	36,5	M24x1,50
ZFR013891	TO 20 S OR NU	420	20,0	26,5	27	36	44,5	M30x2,00
ZFR013892	TO 25 S OR NU	420	25,0	30,0	36	46	50,0	M36x2,00
ZFR013893	TO 30 S OR NU	420	30,0	35,5	41	50	55,5	M42x2,00
ZFR013894	TO 38 S OR NU	420	38,0	41,0	50	60	63,0	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

TOR L OR NU / TOR S OR NU


DIN "L" and "S" series



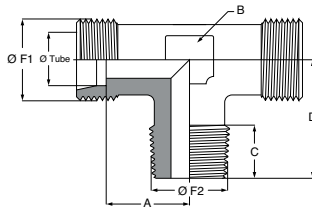
Té orientable renversé nu avec joint torique,
séries allemandes légère et lourde

Bare adjustable equal stud barrel tee with O'ring,
light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F - Filetage Ø F - Thread size
ZFR028816	TOR 06 L OR NU	500	6,0	26,0	12	14	12,0	M12x1,50
ZFR028817	TOR 08 L OR NU	500	8,0	27,5	12	17	14,0	M14x1,50
ZFR027604	TOR 10 L OR NU	500	10,0	29,0	14	19	15,0	M16x1,50
ZFR028818	TOR 12 L OR NU	400	12,0	29,5	17	22	17,0	M18x1,50
ZFR028819	TOR 15 L OR NU	400	15,0	32,5	19	27	21,0	M22x1,50
ZFR028821	TOR 18 L OR NU	400	18,0	35,5	24	32	23,5	M26x1,50
ZFR028773	TOR 22 L OR NU	250	22,0	38,5	27	36	27,5	M30x2,00
ZFR028822	TOR 28 L OR NU	250	28,0	41,5	36	41	30,5	M36x2,00
ZFR028823	TOR 35 L OR NU	250	35,0	51,5	41	50	34,5	M45x2,00
ZFR028826	TOR 42 L OR NU	250	42,0	56,0	50	60	40,0	M52x2,00
ZFR028827	TOR 06 S OR NU	800	6,0	27,0	12	17	16,0	M14x1,50
ZFR021827	TOR 08 S OR NU	800	8,0	27,5	14	19	17,0	M16x1,50
ZFR025777	TOR 10 S OR NU	800	10,0	30,0	17	22	17,5	M18x1,50
ZFR013880	TOR 12 S OR NU	630	12,0	31,0	17	24	21,5	M20x1,50
ZFR013881	TOR 14 S OR NU	630	14,0	35,0	19	27	22,0	M22x1,50
ZFR013882	TOR 16 S OR NU	630	16,0	36,5	24	30	24,5	M24x1,50
ZFR013883	TOR 20 S OR NU	420	20,0	44,5	27	36	26,5	M30x2,00
ZFR013884	TOR 25 S OR NU	420	25,0	50,0	36	46	30,0	M36x2,00
ZFR013885	TOR 30 S OR NU	420	30,0	55,5	41	50	35,5	M42x2,00
ZFR013886	TOR 38 S OR NU	420	38,0	63,0	50	60	41,0	M52x2,00

TM CO L NU / TM CO S NU



Té mâle BSP conique (whitworth) nu, séries allemandes légère et lourde

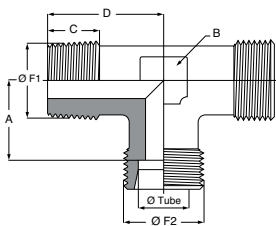
Bare BSP tapered (whitworth) male stud branch tee, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	D mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR010159	TM 06/05X10 CO L NU	250	6,0	12,0	12	8,0	20,0	M12x1,50	1/8 - 28 f/p
ZFR007966	TM 08/08X13 CO L NU	250	8,0	14,0	12	12,0	26,0	M14x1,50	1/4 - 19 f/p
ZFR008011	TM 10/08X13 CO L NU	250	10,0	15,0	14	12,0	27,0	M16x1,50	1/4 - 19 f/p
ZFR010160	TM 12/12X17 CO L NU	250	12,0	17,0	17	12,0	28,0	M18x1,50	3/8 - 19 f/p
ZFR042325	TM 15/15X21 CO L NU	250	15,0	21,0	19	14,0	34,0	M22x1,50	1/2 - 14 f/p
ZFR042326	TM 18/15X21 CO L NU	160	18,0	23,5	24	14,0	36,0	M26x1,50	1/2 - 14 f/p
ZFR042327	TM 22/20X27 CO L NU	160	22,0	27,5	27	16,0	42,0	M30x2,00	3/4 - 14 f/p
ZFR010161	TM 06/08X13 CO S NU	630	6,0	16,0	12	12,0	26,0	M14x1,50	1/4 - 19 f/p
ZFR010162	TM 08/08X13 CO S NU	630	8,0	17,0	14	12,0	27,0	M16x150	1/4 - 19 f/p
ZFR042328	TM 10/12X17 CO S NU	630	10,0	17,5	17	12,0	28,0	M18x1,50	3/8 - 19 f/p
ZFR042329	TM 12/12X17 CO S NU	630	12,0	21,5	17	12,0	28,0	M20x1,50	3/8 - 19 f/p
ZFR042330	TM 14/15X21 CO S NU	630	14,0	22,0	19	14,0	32,0	M22x1,50	1/2 - 14 f/p
ZFR010163	TM 16/15X21 CO S NU	400	16,0	24,5	24	14,0	32,0	M24x1,50	1/2 - 14 f/p

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

TMR CO L NU



Té mâle renversé BSP conique (whitworth) nu, série allemande légère

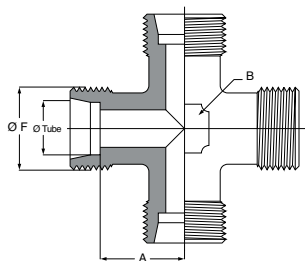
Bare BSP tapered (whitworth) male stud barrel tee, light DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	E mm	G mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR004296	TMR 08/08X13 CO L NU	250	8,0	14,0	12	12,0	26,0	1/4 - 19 f/p	M14x1,50
ZFR004297	TMR 10/08X13 CO L NU	250	10,0	15,0	14	12,0	27,0	1/4 - 19 f/p	M16x1,50
ZFR010165	TMR 12/12X17 CO L NU	250	12,0	17,0	17	12,0	28,0	3/8 - 19 f/p	M18x1,50
ZFR042331	TMR 15/15X21 CO L NU	250	15,0	21,0	19	14,0	34,0	1/2 - 14 f/p	M22x1,50
ZFR042333	TMR 18/15X21 CO L NU	160	18,0	23,5	24	14,0	36,0	1/2 - 14 f/p	M26x1,50


CX L NU / CX S NU

DIN "L" and "S" series



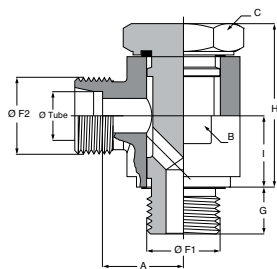
Croix égale nue, séries allemandes légère et lourde

Bare equal cross, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR008546	CX 06 L NU	250	6,0	12,0	12	M12x1,50
ZFR004190	CX 08 L NU	250	8,0	14,0	12	M14x1,50
ZFR004191	CX 10 L NU	250	10,0	15,0	14	M16x1,50
ZFR004192	CX 12 L NU	250	12,0	17,0	17	M18x1,50
ZFR004194	CX 15 L NU	250	15,0	21,0	19	M22x1,50
ZFR008547	CX 18 L NU	160	18,0	23,5	24	M26x1,50
ZFR008548	CX 22 L NU	160	22,0	27,5	27	M30x2,00
ZFR008549	CX 28 L NU	100	28,0	30,5	36	M36x2,00
ZFR008550	CX 35 L NU	100	35,0	34,5	41	M45x2,00
ZFR008551	CX 42 L NU	100	42,0	40,0	50	M52x2,00
ZFR008815	CX 06 S NU	630	6,0	16,0	12	M14x1,50
ZFR008816	CX 08 S NU	630	8,0	17,0	14	M16x1,50
ZFR008817	CX 10 S NU	630	10,0	17,5	17	M18x1,50
ZFR008818	CX 12 S NU	630	12,0	21,5	17	M20x1,50
ZFR008819	CX 14 S NU	630	14,0	22,0	19	M22x1,50
ZFR004195	CX 16 S NU	400	16,0	24,5	24	M24x1,50
ZFR008820	CX 20 S NU	400	20,0	26,5	27	M30x2,00
ZFR008821	CX 25 S NU	400	25,0	30,0	36	M36x2,00
ZFR008822	CX 30 S NU	250	30,0	35,5	41	M42x2,00
ZFR008823	CX 38 S NU	250	38,0	41,0	50	M52x2,00

ORA CYL JE L NU / ORA CYL JE S NU

'DIN "L" and "S" series



Banjo orientable à passage amélioré métrique
cylindrique nu, joint élastomère,
séries allemandes légère et lourde

Bare metric bolt improved flow banjo coupling, elastomer seal,
light and heavy DIN series

Disponibilité en INOX : nous consulter

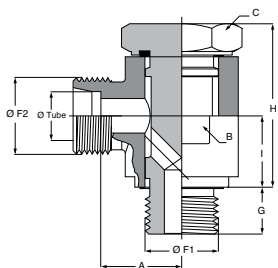
Availability in STAINLESS STEEL : consult us

Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	G mm	H mm	I mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size	
ZFR008561	ORA 06/10X100 CYL JE L NU	250	6,0	12,0	17	17	8,0	24,0	10,5	M10x1,00	M12x1,50
ZFR008562	ORA 08/12X150 CYL JE L NU	250	8,0	14,5	22	19	12,0	32,0	14,0	M12x1,50	M14x1,50
ZFR008563	ORA 10/14X150 CYL JE L NU	250	10,0	15,5	22	19	12,0	32,0	14,0	M14x1,50	M16x1,50
ZFR008564	ORA 12/16X150 CYL JE L NU	250	12,0	18,0	27	24	12,0	38,5	16,5	M16x1,50	M18x1,50
ZFR008565	ORA 15/18X150 CYL JE L NU	250	15,0	22,0	32	27	12,0	42,0	18,5	M18x1,50	M22x1,50
ZFR008566	ORA 18/22X150 CYL JE L NU	160	18,0	21,5	32	30	14,0	46,5	21,5	M22x1,50	M26x1,50
ZFR008567	ORA 22/26X150 CYL JE L NU	160	22,0	26,5	41	36	16,0	54,0	24,0	M26x1,50	M30x2,00
ZFR008582	ORA 28/33X200 CYL JE L NU	100	28,0	31,0	50	46	18,0	66,5	30,5	M33x2,00	M36x2,00
ZFR038298	ORA 35/42X200 CYL JE L NU	100	35,0	35,0	60	55	20,0	80,0	35,5	M42x2,00	M45x2,00
ZFR038299	ORA 42/48X200 CYL JE L NU	100	42,0	39,5	70	60	22,0	90,0	40,5	M48x2,00	M52x2,00
ZFR008824	ORA 06/12X150 CYL JE S NU	630	6,0	16,5	22	19	12,0	32,0	14,0	M12x1,50	M14x1,50
ZFR008825	ORA 08/14X150 CYL JE S NU	630	8,0	16,5	22	19	12,0	32,0	14,0	M14x1,50	M16x1,50
ZFR008826	ORA 10/16X150 CYL JE S NU	630	10,0	18,5	27	24	12,0	38,5	16,5	M16x1,50	M18x1,50
ZFR008828	ORA 12/18X150 CYL JE S NU	630	12,0	21,5	32	24	12,0	42,0	18,5	M18x1,50	M20x1,50
ZFR008829	ORA 14/20X150 CYL JE S NU	630	14,0	23,0	32	30	14,0	45,0	20,0	M20x1,50	M22x1,50
ZFR008830	ORA 16/22X150 CYL JE S NU	400	16,0	22,5	32	30	14,0	46,5	21,5	M22x1,50	M24x1,50
ZFR008831	ORA 20/27X200 CYL JE S NU	400	20,0	25,5	41	36	16,0	54,0	24,0	M27x2,00	M30x2,00
ZFR038300	ORA 25/33X200 CYL JE S NU	400	25,0	31,5	50	46	18,0	66,5	30,5	M33x2,00	M36x2,00
ZFR038301	ORA 30/42X200 CYL JE S NU	250	30,0	36,0	60	55	20,0	80,0	35,5	M42x2,00	M42x2,00
ZFR038302	ORA 38/48X200 CYL JE S NU	250	38,0	40,5	70	60	22,0	90,0	40,5	M48x2,00	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

ORA CYL JE L / ORA CYL JE S NU

DIN "L" and "S" series




Banjo orientable à passage amélioré BSP
cylindrique (whitworth) nu, joint élastomère,
séries allemandes légère et lourde

Bare BSP parallel bolt improved flow banjo coupling, elastomer seal,
light and heavy DIN series

Disponibilité en INOX : nous consulter

Availability in STAINLESS STEEL : consult us

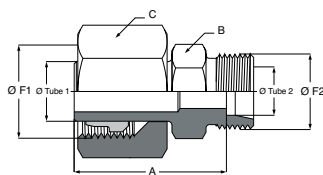
	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	C mm	G mm	H mm	I mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
ZFR008552	ORA 06/05X10 CYL JE L NU	250	6,0	12,0	17	17	8,0	24,0	10,5	1/8 - 28 f/p	M12x1,50
ZFR008553	ORA 08/08X13 CYL JE L NU	250	8,0	14,5	22	19	12,0	32,0	14,0	1/4 - 19 f/p	M14x1,50
ZFR008554	ORA 10/08X13 CYL JE L NU	250	10,0	15,5	22	19	12,0	32,0	14,0	1/4 - 19 f/p	M16x1,50
ZFR008555	ORA 12/12X17 CYL JE L NU	250	12,0	18,0	27	24	12,0	38,5	16,5	3/8 - 19 f/p	M18x1,50
ZFR008556	ORA 15/15X21 CYL JE L NU	250	15,0	22,0	32	30	14,0	46,5	21,5	1/2 - 14 f/p	M22x1,50
ZFR008557	ORA 18/15X21 CYL JE L NU	160	18,0	21,5	32	30	14,0	46,5	21,5	1/2 - 14 f/p	M26x1,50
ZFR008558	ORA 22/20X27 CYL JE L NU	160	22,0	26,5	41	36	16,0	54,0	24,0	3/4 - 14 f/p	M30x2,00
ZFR008559	ORA 28/26X34 CYL JE L NU	100	28,0	31,0	50	46	18,0	66,5	30,5	1" - 11 f/p	M36x2,00
ZFR008560	ORA 35/33X42 CYL JE L NU	100	35,0	35,0	60	55	20,0	80,0	35,5	1"1/4 - 11 f/p	M45x2,00
ZFR008575	ORA 42/40X49 CYL JE L NU	100	42,0	39,5	70	60	22,0	90,0	40,5	1"1/2 - 11 f/p	M52x2,00
ZFR008832	ORA 06/08X13 CYL JE S NU	630	6,0	16,5	22	19	12,0	32,0	14,0	1/4 - 19 f/p	M14x1,50
ZFR008833	ORA 08/08X13 CYL JE S NU	630	8,0	16,5	22	19	12,0	32,0	14,0	1/4 - 19 f/p	M16x1,50
ZFR008834	ORA 10/12X17 CYL JE S NU	630	10,0	18,5	27	24	12,0	38,5	16,5	3/8 - 19 f/p	M18x1,50
ZFR008835	ORA 12/12X17 CYL JE S NU	630	12,0	18,5	27	24	12,0	38,5	16,5	3/8 - 19 f/p	M20x1,50
ZFR008836	ORA 14/15X21 CYL JE S NU	630	14,0	23,0	32	30	14,0	46,5	21,5	1/2 - 14 f/p	M22x1,50
ZFR008837	ORA 16/15X21 CYL JE S NU	400	16,0	22,5	32	30	14,0	46,5	21,5	1/2 - 14 f/p	M24x1,50
ZFR008838	ORA 20/20X27 CYL JE S NU	400	20,0	25,5	41	36	16,0	54,0	24,0	3/4 - 14 f/p	M30x2,00
ZFR008839	ORA 25/26X34 CYL JE S NU	400	25,0	31,5	50	46	18,0	66,5	30,5	1" - 11 f/p	M36x2,00
ZFR008840	ORA 30/33X42 CYL JE S NU	250	30,0	36,0	60	55	20,0	80,0	35,5	1"1/4 - 11 f/p	M42x2,00
ZFR008841	ORA 38/40X49 CYL JE S NU	250	38,0	40,5	70	60	22,0	90,0	40,5	1"1/2 - 11 f/p	M52x2,00


ADR L NU / ADR S NU

'DIN "L" and "S" series

Adaptateur de réduction nu,
séries allemandes légère et lourde

Bare reducing standpipe stud adaptor, light and heavy DIN series

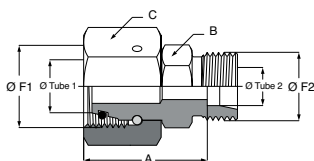


	Référence Reference	P.S	Ø Tube 1	Ø Tube 2	A	B	C	Ø F1 - Filetage	Ø F2 - Filetage	
		W.P bar	O.D.1 rigid pipe mm	O.D.2 rigid pipe mm	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size	
	ZFR009072	ADR 15/08 L NU	250	15,0	8,0	27,0	17	27	M22x1,50	M14x1,50
	ZFR009073	ADR 15/10 L NU	250	15,0	10,0	28,0	17	27	M22x1,50	M16x1,50
	ZFR009080	ADR 18/06 L NU	160	18,0	6,0	29,5	19	32	M26x1,50	M12x1,50
	ZFR009091	ADR 22/06 L NU	160	22,0	6,0	30,5	24	36	M30x2,00	M12x1,50
	ZFR009093	ADR 22/10 L NU	160	22,0	10,0	31,5	24	36	M30x2,00	M16x1,50
	ZFR009094	ADR 22/12 L NU	160	22,0	12,0	31,5	24	36	M30x2,00	M18x1,50
	ZFR009056	ADR 08/06 S NU	630	8,0	6,0	29,0	14	19	M16x1,50	M14x1,50
	ZFR009058	ADR 10/06 S NU	630	10,0	6,0	31,5	14	22	M18x1,50	M14x1,50
	ZFR009066	ADR 12/10 S NU	630	12,0	10,0	32,5	19	24	M20x1,50	M18x1,50
	ZFR009068	ADR 14/08 S NU	630	14,0	8,0	35,0	17	27	M22x1,50	M16x1,50
	ZFR009076	ADR 16/08 S NU	400	16,0	8,0	36,0	17	30	M24x1,50	M16x1,50
	ZFR009079	ADR 16/14 S NU	400	16,0	14,0	39,0	24	30	M24x1,50	M22x1,50


SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

ADR L OR NU

DIN "L" and "S" series

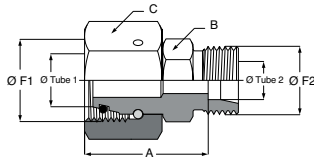
Adaptateur de réduction nu avec joint torique,
série allemande légère

Bare reducing standpipe stud adaptor with O'ring, light DIN series

	Référence Reference	P.S	Ø Tube 1	Ø Tube 2	A	B	C	Ø F1 - Filetage	Ø F2 - Filetage
		W.P bar	O.D.1 rigid pipe mm	O.D.2 rigid pipe mm	mm	mm	mm	Ø F1 - Thread size	Ø F2 - Thread size
ZFR028923	ADR 08/06 L OR NU	500	8,0	6,0	24,0	12	17	M14x1,50	M12x1,50
ZFR028924	ADR 10/06 L OR NU	500	10,0	6,0	25,0	14	19	M16x1,50	M12x1,50
ZFR028932	ADR 10/08 L OR NU	500	10,0	8,0	25,0	14	19	M16x1,50	M14x1,50
ZFR028925	ADR 12/06 L OR NU	400	12,0	6,0	25,0	17	22	M18x1,50	M12x1,50
ZFR028933	ADR 12/08 L OR NU	400	12,0	8,0	25,0	17	22	M18x1,50	M14x1,50
ZFR028940	ADR 12/10 L OR NU	400	12,0	10,0	26,0	17	22	M18x1,50	M16x1,50
ZFR028934	ADR 15/08 L OR NU	400	15,0	8,0	29,0	19	27	M22x1,50	M14x1,50
ZFR028941	ADR 15/10 L OR NU	400	15,0	10,0	30,0	19	27	M22x1,50	M16x1,50
ZFR028947	ADR 15/12 L OR NU	400	15,0	12,0	30,0	19	27	M22x1,50	M18x1,50
ZFR028927	ADR 18/06 L OR NU	400	18,0	6,0	29,5	24	32	M26x1,50	M12x1,50
ZFR028935	ADR 18/08 L OR NU	400	18,0	8,0	29,5	24	32	M26x1,50	M14x1,50
ZFR028942	ADR 18/10 L OR NU	400	18,0	10,0	30,5	24	32	M26x1,50	M16x1,50
ZFR028948	ADR 18/12 L OR NU	400	18,0	12,0	30,5	24	32	M26x1,50	M18x1,50
ZFR028953	ADR 18/15 L OR NU	400	18,0	15,0	31,5	24	32	M26x1,50	M22x1,50
ZFR028928	ADR 22/06 L OR NU	250	22,0	6,0	30,5	27	36	M30x2,00	M12x1,50
ZFR028936	ADR 22/08 L OR NU	250	22,0	8,0	30,5	27	36	M30x2,00	M14x1,50
ZFR028943	ADR 22/10 L OR NU	250	22,0	10,0	31,5	27	36	M30x2,00	M16x1,50
ZFR028949	ADR 22/12 L OR NU	250	22,0	12,0	31,5	27	36	M30x2,00	M18x1,50
ZFR028954	ADR 22/15 L OR NU	250	22,0	15,0	31,5	27	36	M30x2,00	M22x1,50
ZFR028958	ADR 22/18 L OR NU	250	22,0	18,0	32,0	27	36	M30x2,00	M26x1,50
ZFR028937	ADR 28/08 L OR NU	250	28,0	8,0	31,5	32	41	M36x2,00	M14x1,50
ZFR028944	ADR 28/10 L OR NU	250	28,0	10,0	32,5	32	41	M36x2,00	M16x1,50
ZFR028950	ADR 28/12 L OR NU	250	28,0	12,0	32,5	32	41	M36x2,00	M18x1,50
ZFR028955	ADR 28/15 L OR NU	250	28,0	15,0	33,5	32	41	M36x2,00	M22x1,50
ZFR028959	ADR 28/18 L OR NU	250	28,0	18,0	33,0	32	41	M36x2,00	M26x1,50
ZFR028962	ADR 28/22 L OR NU	250	28,0	22,0	35,0	32	41	M36x2,00	M30x2,00
ZFR028930	ADR 35/06 L OR NU	250	35,0	6,0	37,0	41	50	M45x2,00	M12x1,50
ZFR028945	ADR 35/10 L OR NU	250	35,0	10,0	38,0	41	50	M45x2,00	M16x1,50
ZFR028951	ADR 35/12 L OR NU	250	35,0	12,0	38,0	41	50	M45x2,00	M18x1,50
ZFR028956	ADR 35/15 L OR NU	250	35,0	15,0	39,0	41	50	M45x2,00	M22x1,50
ZFR028960	ADR 35/18 L OR NU	250	35,0	18,0	38,5	41	50	M45x2,00	M26x1,50
ZFR028963	ADR 35/22 L OR NU	250	35,0	22,0	40,5	41	50	M45x2,00	M30x2,00
ZFR028965	ADR 35/28 L OR NU	250	35,0	28,0	40,5	41	50	M45x2,00	M36x2,00
ZFR028931	ADR 42/06 L OR NU	250	42,0	6,0	38,0	50	60	M52x2,00	M12x1,50
ZFR028946	ADR 42/10 L OR NU	250	42,0	10,0	39,0	50	60	M52x2,00	M16x1,50
ZFR028952	ADR 42/12 L OR NU	250	42,0	12,0	39,0	50	60	M52x2,00	M18x1,50
ZFR028957	ADR 42/15 L OR NU	250	42,0	15,0	40,0	50	60	M52x2,00	M22x1,50
ZFR028961	ADR 42/18 L OR NU	250	42,0	18,0	39,5	50	60	M52x2,00	M26x1,50
ZFR028964	ADR 42/22 L OR NU	250	42,0	22,0	41,5	50	60	M52x2,00	M30x2,00
ZFR028966	ADR 42/28 L OR NU	250	42,0	28,0	41,5	50	60	M52x2,00	M36x2,00
ZFR028967	ADR 42/35 L OR NU	250	42,0	35,0	40,5	50	60	M52x2,00	M45x2,00


ADR S OR NU

Adaptateur de réduction nu avec joint torique, série allemande lourde



Bare reducing standpipe stud adaptor with O'ring, heavy DIN series

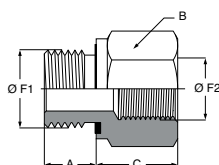
Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	P.S W.P bar	Ø Tube 1 O.D.1 rigid pipe mm	Ø Tube 2 O.D.2 rigid pipe mm	A mm	B mm	C mm	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
	ZFR028968	800	8,0	6,0	29,0	14	19	M16x1,50	M14x1,50
	ZFR028969	800	10,0	6,0	31,5	17	22	M18x1,50	M14x1,50
	ZFR028977	800	10,0	8,0	31,0	17	22	M18x1,50	M16x1,50
	ZFR028970	630	12,0	6,0	31,0	17	24	M20x1,50	M14x1,50
	ZFR021826	630	12,0	8,0	31,0	17	24	M20x1,50	M16x1,50
	ZFR028984	630	12,0	10,0	30,5	19	24	M20x1,50	M18x1,50
	ZFR028971	630	14,0	6,0	34,0	19	27	M22x1,50	M14x1,50
	ZFR028978	630	14,0	8,0	34,0	19	27	M22x1,50	M16x1,50
	ZFR028985	630	14,0	10,0	33,5	19	27	M22x1,50	M18x1,50
	ZFR028992	630	14,0	12,0	35,5	22	27	M22x1,50	M20x1,50
	ZFR028972	630	16,0	6,0	38,5	22	30	M24x1,50	M14x1,50
	ZFR020784	630	16,0	8,0	38,5	22	30	M24x1,50	M16x1,50
	ZFR028986	630	16,0	10,0	38,0	22	30	M24x1,50	M18x1,50
	ZFR021793	630	16,0	12,0	38,0	22	30	M24x1,50	M20x1,50
	ZFR028996	630	16,0	14,0	39,5	24	30	M24x1,50	M22x1,50
	ZFR028973	420	20,0	6,0	41,0	27	36	M30x2,00	M14x1,50
	ZFR020783	420	20,0	8,0	41,0	27	36	M30x2,00	M16x1,50
	ZFR028987	420	20,0	10,0	40,5	27	36	M30x2,00	M18x1,50
	ZFR024870	420	20,0	12,0	40,5	27	36	M30x2,00	M20x1,50
	ZFR028997	420	20,0	14,0	42,0	27	36	M30x2,00	M22x1,50
	ZFR013896	420	20,0	16,0	41,5	27	36	M30x2,00	M24x1,50
	ZFR028974	420	25,0	6,0	45,5	32	46	M36x2,00	M14x1,50
	ZFR028979	420	25,0	8,0	45,5	32	46	M36x2,00	M16x1,50
	ZFR028989	420	25,0	10,0	45,0	32	46	M36x2,00	M18x1,50
	ZFR028993	420	25,0	12,0	45,0	32	46	M36x2,00	M20x1,50
	ZFR028998	420	25,0	14,0	46,5	32	46	M36x2,00	M22x1,50
	ZFR029001	420	25,0	16,0	46,0	32	46	M36x2,00	M24x1,50
	ZFR013895	420	25,0	20,0	46,0	32	46	M36x2,00	M30x2,00
	ZFR028980	420	30,0	8,0	50,0	41	50	M42x2,00	M16x1,50
	ZFR028990	420	30,0	10,0	49,5	41	50	M42x2,00	M18x1,50
	ZFR028994	420	30,0	12,0	49,5	41	50	M42x2,00	M20x1,50
	ZFR029002	420	30,0	16,0	50,5	41	50	M42x2,00	M24x1,50
	ZFR029004	420	30,0	20,0	50,5	41	50	M42x2,00	M30x2,00
	ZFR029007	420	30,0	25,0	51,0	41	50	M42x2,00	M36x2,00
	ZFR028983	420	38,0	8,0	52,0	50	60	M52x2,00	M16x1,50
	ZFR028995	420	38,0	12,0	51,5	50	60	M52x2,00	M20x1,50
	ZFR029003	420	38,0	16,0	52,5	50	60	M52x2,00	M24x1,50
	ZFR029005	420	38,0	20,0	52,5	50	60	M52x2,00	M30x2,00
	ZFR027262	420	38,0	25,0	53,0	50	60	M52x2,00	M36x2,00
	ZFR029008	420	38,0	30,0	53,5	50	60	M52x2,00	M42x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES


MG CYL - FG CYL S

DIN "L" and "S" series



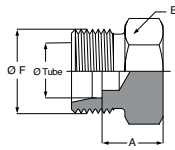
Mâle gaz cylindrique - femelle gaz cylindrique
(whitworth), avec joint élastomère

BSP parallel male - BSP parallel female thread (whitworth),
with elastomer seal

	Référence Reference	A	B	C	Ø F1 - Filetage Ø F1 - Thread size	Ø F2 - Filetage Ø F2 - Thread size
		mm	mm	mm		
ZFR009621	MG 1/8 CYL - FG 1/4 CYL S	8,0	19	23,0	1/8 - 28 f/p	1/4 - 19 f/p
ZFR009622	MG 1/8 CYL - FG 3/8 CYL S	8,0	24	24,0	1/8 - 28 f/p	3/8 - 19 f/p
ZFR009623	MG 1/4 CYL - FG 1/8 CYL S	12,0	19	16,0	1/4 - 19 f/p	1/8 - 28 f/p
ZFR009624	MG 1/4 CYL - FG 3/8 CYL S	12,0	24	24,0	1/4 - 19 f/p	3/8 - 19 f/p
ZFR009625	MG 1/4 CYL - FG 1/2 CYL S	12,0	30	28,0	1/4 - 19 f/p	1/2 - 14 f/p
ZFR009626	MG 1/4 CYL - FG 3/4 CYL S	12,0	36	31,0	1/4 - 19 f/p	3/4 - 14 f/p
ZFR009627	MG 3/8 CYL - FG 1/8 CYL S	12,0	22	10,5	3/8 - 19 f/p	1/8 - 28 f/p
ZFR009628	MG 3/8 CYL - FG 1/4 CYL S	12,0	22	24,0	3/8 - 19 f/p	1/4 - 19 f/p
ZFR009629	MG 3/8 CYL - FG 1/2 CYL S	12,0	30	29,0	3/8 - 19 f/p	1/2 - 14 f/p
ZFR009630	MG 3/8 CYL - FG 3/4 CYL S	12,0	36	32,0	3/8 - 19 f/p	3/4 - 14 f/p
ZFR009631	MG 1/2 CYL - FG 1/8 CYL S	14,0	27	10,0	1/2 - 14 f/p	1/8 - 28 f/p
ZFR009632	MG 1/2 CYL - FG 1/4 CYL S	14,0	27	10,0	1/2 - 14 f/p	1/4 - 19 f/p
ZFR009633	MG 1/2 CYL - FG 3/8 CYL S	14,0	27	22,0	1/2 - 14 f/p	3/8 - 19 f/p
ZFR009634	MG 1/2 CYL - FG 3/4 CYL S	14,0	36	32,0	1/2 - 14 f/p	3/4 - 14 f/p
ZFR009635	MG 1/2 CYL - FG 1" CYL S	14,0	41	35,0	1/2 - 14 f/p	1" - 11 f/p
ZFR009636	MG 1/2 CYL - FG 1"1/4 CYL S	14,0	55	39,0	1/2 - 14 f/p	1"1/4 - 11 f/p
ZFR009637	MG 3/4 CYL - FG 1/4 CYL S	16,0	32	10,0	3/4 - 14 f/p	1/4 - 19 f/p
ZFR018268	MG 3/4 CYL - FG 3/8 CYL S	16,0	32	10,0	3/4 - 14 f/p	3/8 - 19 f/p
ZFR009639	MG 3/4 CYL - FG 1/2 CYL S	16,0	32	26,0	3/4 - 14 f/p	1/2 - 14 f/p
ZFR009640	MG 3/4 CYL - FG 1" CYL S	16,0	41	35,0	3/4 - 14 f/p	1" - 11 f/p
ZFR009641	MG 3/4 CYL - FG 1"1/4 CYL S	16,0	55	39,0	3/4 - 14 f/p	1"1/4 - 11 f/p
ZFR009642	MG 3/4 CYL - FG 1"1/2 CYL S	16,0	60	41,0	3/4 - 14 f/p	1"1/2 - 11 f/p
ZFR009643	MG 1" CYL - FG 1/4 CYL S	18,0	41	11,0	1" - 11 f/p	1/4 - 19 f/p
ZFR009644	MG 1" CYL - FG 3/8 CYL S	18,0	41	11,0	1" - 11 f/p	3/8 - 19 f/p
ZFR009645	MG 1" CYL - FG 1/2 CYL S	18,0	41	11,0	1" - 11 f/p	1/2 - 14 f/p
ZFR009646	MG 1" CYL - FG 3/4 CYL S	18,0	41	29,0	1" - 11 f/p	3/4 - 14 f/p
ZFR009647	MG 1" CYL - FG 1"1/4 CYL S	18,0	55	39,0	1" - 11 f/p	1"1/4 - 11 f/p
ZFR009648	MG 1" CYL - FG 1"1/2 CYL S	18,0	60	41,0	1" - 11 f/p	1"1/2 - 11 f/p
ZFR009649	MG 1"1/4 CYL - FG 1/2 CYL S	20,0	50	12,0	1"1/4 - 11 f/p	1/2 - 14 f/p
ZFR009650	MG 1"1/4 CYL - FG 3/4 CYL S	20,0	50	12,0	1"1/4 - 11 f/p	3/4 - 14 f/p
ZFR009651	MG 1"1/4 CYL - FG 1" CYL S	20,0	50	31,0	1"1/4 - 11 f/p	1" - 11 f/p
ZFR009652	MG 1"1/4 CYL - FG 1"1/2 CYL S	20,0	60	40,0	1"1/4 - 11 f/p	1"1/2 - 11 f/p
ZFR009653	MG 1"1/2 CYL - FG 1/2 CYL S	22,0	55	14,0	1"1/2 - 11 f/p	1/2 - 14 f/p
ZFR009654	MG 1"1/2 CYL - FG 3/4 CYL S	22,0	55	14,0	1"1/2 - 11 f/p	3/4 - 14 f/p
ZFR009655	MG 1"1/2 CYL - FG 1" CYL S	22,0	55	14,0	1"1/2 - 11 f/p	1" - 11 f/p
ZFR009656	MG 1"1/2 CYL - FG 1"1/4 CYL S	22,0	55	36,0	1"1/2 - 11 f/p	1"1/4 - 11 f/p

OBM L / OBM S

'DIN "L" and "S" series



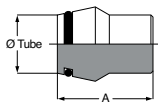
Obturbateur mâle, séries allemandes légère et lourde

Male blanking plug, light and heavy DIN series

	Référence Reference	P.S W.P bar	Ø Tube O.D. rigid pipe mm	A mm	B mm	Ø F - Filetage Ø F - Thread size
ZFR016858	OBM 06 L	250	6,0	7,0	12	M12x1,50
ZFR016859	OBM 08 L	250	8,0	8,0	14	M14x1,50
ZFR016860	OBM 10 L	250	10,0	9,0	17	M16x1,50
ZFR016861	OBM 12 L	250	12,0	10,0	19	M18x1,50
ZFR016862	OBM 15 L	250	15,0	11,0	24	M22x1,50
ZFR016863	OBM 18 L	160	18,0	11,5	27	M26x1,50
ZFR016864	OBM 22 L	160	22,0	13,5	32	M30x2,00
ZFR016865	OBM 28 L	100	28,0	14,5	41	M36x2,00
ZFR016866	OBM 35 L	100	35,0	14,5	46	M45x2,00
ZFR016867	OBM 42 L	100	42,0	16,0	55	M52x2,00
ZFR016868	OBM 06 S	630	6,0	11,0	14	M14x1,50
ZFR016869	OBM 08 S	630	8,0	13,0	17	M16x1,50
ZFR016870	OBM 10 S	630	10,0	12,5	19	M18x1,50
ZFR016871	OBM 12 S	630	12,0	14,5	22	M20x1,50
ZFR016872	OBM 14 S	630	14,0	16,0	24	M22x1,50
ZFR016873	OBM 16 S	400	16,0	15,5	27	M24x1,50
ZFR016874	OBM 20 S	400	20,0	17,5	32	M30x2,00
ZFR016875	OBM 25 S	400	25,0	20,0	41	M36x2,00
ZFR016876	OBM 30 S	250	30,0	20,5	46	M42x2,00
ZFR016877	OBM 38 S	250	38,0	23,0	55	M52x2,00

SERIE DIN "L" et "S" ACIER
STEEL DIN "L" and "S" SERIES

OBF L / OBF S



Obturbateur femelle avec joint torique, séries allemandes légère et lourde

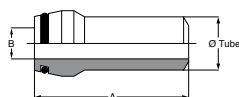
Female blanking plug with O'ring, light and heavy DIN series

Disponibilité en INOX : nous consulter
Availability in STAINLESS STEEL : consult us

	Référence Reference	PS WP bar	Ø Tube O.D. rigid tube mm	A mm
ZFR015689	OBF 28 L	100	28,0	25,0
ZFR015690	OBF 35 L	100	35,0	29,0
ZFR015691	OBF 42 L	100	42,0	30,0
ZFR015700	OBF 30 S	250	30,0	34,0
ZFR015701	OBF 38 S	250	38,0	38,0


ES S

DIN "L" and "S" series

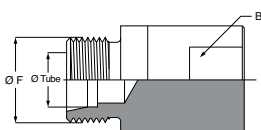


Embout à souder avec joint torique, série allemande lourde

Welding fitting with O'ring, heavy DIN series


	Référence <i>Reference</i>	PS <i>WP</i> <i>bar</i>	Ø Tube <i>O.D. rigid pipe</i> <i>mm</i>	A <i>mm</i>	B <i>mm</i>
ZFR015703	ES 08 S	630	8,0	31,0	4,0
ZFR015704	ES 10 S	630	10,0	32,5	6,0
ZFR015705	ES 12 S	630	12,0	32,5	7,0
ZFR015706	ES 14 S	630	14,0	38,5	8,0
ZFR015707	ES 16 S	400	16,0	39,0	10,0
ZFR015708	ES 20 S	400	20,0	45,0	12,0
ZFR015709	ES 25 S	400	25,0	49,5	17,0
ZFR015710	ES 30 S	250	30,0	52,0	22,0
ZFR015711	ES 38 S	250	38,0	56,5	28,0

BLOC PRESS L / BLOC PRESS S



Bloc de présertissage, séries allemandes légère et lourde

Pre-assembly adaptor, light and heavy DIN series

	Référence <i>Reference</i>	Ø Tube <i>O.D. rigid pipe</i> <i>mm</i>	B <i>mm</i>	Ø F - Filetage <i>Ø F - Thread size</i>
ZFR015532	BLOC PRESS 06 L	6,0	12	M12x1,50
ZFR015533	BLOC PRESS 08 L	8,0	14	M14x1,50
ZFR007143	BLOC PRESS 10 L	10,0	17	M16x1,50
ZFR007144	BLOC PRESS 12 L	12,0	19	M18x1,50
ZFR015536	BLOC PRESS 15 L	15,0	22	M22x1,50
ZFR015537	BLOC PRESS 18 L	18,0	27	M26x1,50
ZFR015538	BLOC PRESS 22 L	22,0	30	M30x2,00
ZFR015539	BLOC PRESS 28 L	28,0	36	M36x2,00
ZFR015541	BLOC PRESS 42 L	42,0	50	M52x2,00
ZFR015542	BLOC PRESS 06 S	6,0	14	M14x1,50
ZFR015543	BLOC PRESS 08 S	8,0	17	M16x1,50
ZFR015544	BLOC PRESS 10 S	10,0	19	M18x1,50
ZFR015545	BLOC PRESS 12 S	12,0	19	M20x1,50
ZFR015546	BLOC PRESS 14 S	14,0	22	M22x1,50
ZFR015547	BLOC PRESS 16 S	16,0	24	M24x1,50
ZFR015548	BLOC PRESS 20 S	20,0	30	M30x2,00
ZFR015549	BLOC PRESS 25 S	25,0	36	M36x2,00
ZFR015550	BLOC PRESS 30 S	30,0	41	M42x2,00

Toutes les spécifications sont données à titre indicatif, elles pourront être modifiées dans l'intérêt de notre clientèle.
Specification subject to change without prior notice in the interest of our customers.

TUBE - TUBE EZ





Tube gaz

Tube gaz électro-zingué (EZ)

French gas size pipe

Zinc plated french gas size pipe (EZ)


	Référence Reference		Référence Reference	Ø ext. O.D. mm	Ø int. I.D. mm	Epaisseur Thickness mm	PS WP bar	PR BP bar	Poids Weight kg/ml		
	ZFR006343		TUBE 8X13	ZFR018454	TUBE 8X13 EZ	13,25	8,75	2,25	373	1494	0,610
	ZFR006344		TUBE 12X17	ZFR018455	TUBE 12X17 EZ	16,75	12,25	2,25	282	1126	0,805
	ZFR006345		TUBE 15X21	ZFR018457	TUBE 15X21 EZ	21,25	15,75	2,75	270	1078	1,250
	ZFR006602		TUBE 20X27	ZFR018456	TUBE 20X27 EZ	26,75	21,25	2,75	207	829	1,630
	ZFR006347		TUBE 26X34	ZFR018458	TUBE 26X34 EZ	33,50	27,00	3,25	194	777	2,420
	ZFR006348		TUBE 33X42	ZFR018459	TUBE 33X42 EZ	42,25	35,75	3,25	150	601	3,130
	ZFR006349		TUBE 40X49			48,25	41,75	3,25	141	564	3,860

TUBE R



Tube gaz renforcé

Reinforced french gas size pipe

	Référence Reference	Ø ext. O.D. mm	Ø int. I.D. mm	Epaisseur Thickness mm	PS WP bar	PR BP bar	Poids Weight kg/ml	
	ZFR006351	TUBE 8X13 R	13,25	7,75	2,75	518	2073	0,740
	ZFR006352	TUBE 12X17 R	16,75	11,25	2,75	383	1530	0,988
	ZFR006353	TUBE 15X21 R	21,25	14,75	3,25	329	1314	1,439
	ZFR006603	TUBE 20X27 R	26,75	20,25	3,25	251	1002	1,879
	ZFR006355	TUBE 26X34 R	33,50	25,40	4,05	249	996	2,934
	ZFR006356	TUBE 33X42 R	42,25	34,15	4,05	192	766	3,820
	ZFR006357	TUBE 40X49 R	48,25	40,15	4,05	165	662	4,404

TUBE - TUBE EZ





Tube métrique

Tube métrique électro-zingué (EZ)



Metric size pipe

Zinc plated metric size pipe (EZ)

	Référence Reference		Référence Reference	Ø ext. O.D. mm	Ø int. I.D. mm	Epaisseur Thickness mm	PS WP bar	PR BP bar	Poids Weight kg/ml
ZFR006314	TUBE 2X4	ZFR013640	TUBE 2X4 EZ	4	2	1,0	624	2495	0,074
ZFR006315	TUBE 4X6	ZFR018430	TUBE 4X6 EZ	6	4	1,0	365	1460	0,123
ZFR006330	TUBE 4X8	-	-	8	4	2,0	624	2495	0,296
ZFR008910	TUBE 5X8	ZFR018432	TUBE 5X8 EZ	8	5	1,5	423	1692	0,240
ZFR015165	TUBE 5X10	-	-	10	5	2,5	624	2495	0,462
ZFR006316	TUBE 6X8	ZFR018431	TUBE 6X8 EZ	8	6	1,0	259	1036	0,173
ZFR006331	TUBE 6X10	ZFR018435	TUBE 6X10 EZ	10	6	2,0	460	1839	0,395
ZFR017489	TUBE 6X12	-	-	12	6	3,0	624	2495	0,740
ZFR006327	TUBE 7X10	ZFR018434	TUBE 7X10 EZ	10	7	1,5	321	1284	0,314
ZFR006317	TUBE 8X10	ZFR018433	TUBE 8X10 EZ	10	8	1,0	201	803	0,222
ZFR006332	TUBE 8X12	ZFR018438	TUBE 8X12 EZ	12	8	2,0	365	1460	0,493
ZFR006328	TUBE 9X12	ZFR018437	TUBE 9X12 EZ	12	9	1,5	259	1036	0,388
ZFR006318	TUBE 10X12	ZFR018436	TUBE 10X12 EZ	12	10	1,0	164	656	0,271
ZFR006333	TUBE 10X14	ZFR018441	TUBE 10X14 EZ	14	10	2,0	303	1211	0,592
ZFR017491	TUBE 10X15	-	-	15	10	2,5	365	1460	0,770
ZFR017492	TUBE 10X16	-	-	16	10	3,0	423	1692	0,961
ZFR017490	TUBE 11X14	ZFR018440	TUBE 11X14 EZ	14	11	1,5	217	868	0,462
ZFR015163	TUBE 11X15	ZFR018443	TUBE 11X15 EZ	15	11	2,0	279	1117	0,641
ZFR006319	TUBE 12X14	ZFR018439	TUBE 12X14 EZ	14	12	1,0	139	555	0,321
ZFR006334	TUBE 12X15	ZFR018442	TUBE 12X15 EZ	15	12	1,5	201	803	0,499
ZFR006335	TUBE 12X16	ZFR018445	TUBE 12X16 EZ	16	12	2,0	259	1036	0,691
ZFR006320	TUBE 13X15	-	-	15	13	1,0	129	515	0,345
ZFR015167	TUBE 13X16	ZFR018444	TUBE 13X16 EZ	16	13	1,5	187	748	0,536
ZFR015168	TUBE 13X18	-	-	18	13	2,5	293	1172	0,956
ZFR006321	TUBE 14X16	-	-	16	14	1,0	120	481	0,370
ZFR006336	TUBE 14X18	ZFR018447	TUBE 14X18 EZ	18	14	2,0	226	905	0,789
ZFR017493	TUBE 14X20	ZFR014397	TUBE 14X20 EZ	20	14	3,0	321	1284	1,258
ZFR015169	TUBE 15X18	ZFR018446	TUBE 15X18 EZ	18	15	1,5	164	656	0,610
ZFR015164	TUBE 15X20	ZFR013638	TUBE 15X20 EZ	20	15	2,5	259	1036	1,079
ZFR006322	TUBE 16X18	-	-	18	16	1,0	106	424	0,420
ZFR006337	TUBE 16X20	ZFR018448	TUBE 16X20 EZ	20	16	2,0	201	803	0,888
ZFR006596	TUBE 17X20	-	-	20	17	1,5	146	585	0,684
ZFR017494	TUBE 17X25	ZFR019544	TUBE 17X25 EZ	25	17	4,0	347	1388	2,072
ZFR006338	TUBE 18X22	ZFR018450	TUBE 18X22 EZ	22	18	2,0	181	722	0,986
ZFR006597	TUBE 19X22	ZFR018449	TUBE 19X22 EZ	22	19	1,5	132	528	0,758
ZFR015170	TUBE 19X25	ZFR022315	TUBE 19X25 EZ	25	19	3,0	247	988	1,628
ZFR006339	TUBE 20X25	ZFR018452	TUBE 20X25 EZ	25	20	2,5	201	803	1,387
ZFR017496	TUBE 20X30	ZFR083658	TUBE 20X30 EZ	30	20	5,0	365	1460	3,083
ZFR017495	TUBE 21X25	ZFR152982	TUBE 21X25 EZ	25	21	2,0	157	628	1,134

TUBE - TUBE EZ

(suite)

	Référence Reference		Référence Reference	Ø ext. O.D. mm	Ø int. I.D. mm	Epaisseur Thickness mm	PS WP bar	PR BP bar	Poids Weight kg/ml
		ZFR018451	TUBE 22X25 EZ	25	22	1,5	115	460	0,869
ZFR015171	TUBE 22X28	ZFR018453	TUBE 22X28 EZ	28	22	3,0	217	868	1,850
ZFR015172	TUBE 22X30	ZFR014006	TUBE 22X30 EZ	30	22	4,0	279	1117	2,565
ZFR006340	TUBE 24X28	ZFR013639	TUBE 24X28 EZ	28	24	2,0	139	555	1,282
ZFR015162	TUBE 24X30	-	-	30	24	3,0	201	803	1,998
ZFR015173	TUBE 25X30	ZFR029939	TUBE 25X30 EZ	30	25	2,5	164	656	1,696
ZFR006341	TUBE 26X30	ZFR027314	TUBE 26X30 EZ	30	26	2,0	129	515	1,381
ZFR017497	TUBE 26X32	ZFR017339	TUBE 26X32 EZ	32	26	3,0	187	748	2,145
ZFR017499	TUBE 28X38	ZFR053436	TUBE 28X38 EZ	38	28	5,0	275	1099	4,069
ZFR006601	TUBE 29X35	ZFR022316	TUBE 29X35 EZ	35	29	3,0	169	677	2,366
ZFR015175	TUBE 30X38	ZFR013641	TUBE 30X38 EZ	38	30	4,0	213	851	3,354
ZFR015176	TUBE 30X40	-	-	40	30	5,0	259	1036	4,316
ZFR017498	TUBE 31X35	ZFR014208	TUBE 31X35 EZ	35	31	2,0	109	437	1,628
ZFR017500	TUBE 34X38	ZFR030582	TUBE 34X38 EZ	38	34	2,0	100	400	1,776
ZFR015177	TUBE 36X40	-	-	40	36	2,0	95	379	1,875
ZFR017501	TUBE 36X42	ZFR156722	TUBE 36X42 EZ	42	36	3,0	139	555	2,886
ZFR017502	TUBE 40X50	ZFR014398	TUBE 40X50 EZ	50	40	5,0	201	803	5,548


TUBE INOX



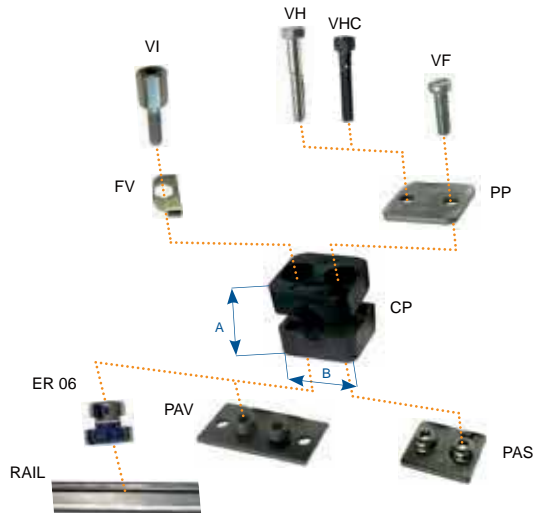
Tube inox métrique

Stainless steel metric size pipe

Autres diamètres, nous consulter
Other diameters, consult us

	Référence Reference	Ø ext. O.D. mm	Ø int. I.D. mm	Epaisseur Thickness mm	Poids Weight kg/ml	
INOX	ZFR008474	TUBE 4X6 INOX	6,0	4,0	1,0	0,124
INOX	ZFR008475	TUBE 6X8 INOX	8,0	6,0	1,0	0,174
INOX	ZFR008476	TUBE 8X10 INOX	10,0	8,0	1,0	0,224
INOX	ZFR030659	TUBE 8X12 INOX	12,0	8,0	2,0	0,398
INOX	ZFR008477	TUBE 9X12 INOX	12,0	9,0	1,5	0,392
INOX	ZFR003533	TUBE 10X12 INOX	12,0	10,0	1,0	0,273
INOX	ZFR008479	TUBE 10X14 INOX	14,0	10,0	2,0	0,597
INOX	ZFR031659	TUBE 11X15 INOX	15,0	11,0	2,0	-
INOX	ZFR008480	TUBE 13X16 INOX	16,0	13,0	1,5	0,541
INOX	ZFR008482	TUBE 15X18 INOX	18,0	15,0	1,5	0,610
INOX	ZFR008483	TUBE 16X20 INOX	20,0	16,0	2,0	0,901
INOX	ZFR008485	TUBE 18X22 INOX	22,0	18,0	2,0	0,986
INOX	ZFR030656	TUBE 19X25 INOX	25,0	19,0	3,0	1,628
INOX	ZFR024508	TUBE 20X25 INOX	25,0	20,0	2,5	1,400
INOX	ZFR028640	TUBE 25X28 INOX	28,0	25,0	1,5	0,988
INOX	ZFR032205	TUBE 25X30 INOX	30,0	25,0	2,5	1,696

COLLIERS SIMPLES



CP vendus par paire

M O D U L E	Coquille polypropylène série standard <i>Polypropylene jaws</i>				Plaque à visser <i>Bolt on base plate</i>		Plaque à souder <i>Weld on base plate</i>		Frein de vis <i>Screw lock washer</i>		Vis intermédiaire <i>Intermediary screw</i>	
	ET/AND				OU/OR		ET/AND		ET/AND		OU	
		Référence <i>Reference</i>	A	B		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>
1	ZFR021124	CP 06	26,0	34,0	ZFR021147	PAV 01	ZFR021153	PAS 01	ZFR044790	FV	ZFR021165	VI 06X20
	ZFR021125	CP 08	26,0	34,0								
	ZFR021126	CP 10	26,0	34,0								
	ZFR021127	CP 12	26,0	34,0								
	ZFR021128	CP 13	33,0	40,0								
2	ZFR021129	CP 14	33,0	40,0	ZFR021148	PAV 02	ZFR021154	PAS 02	ZFR044790	FV	ZFR021166	VI 06X25
	ZFR021130	CP 15	33,0	40,0								
	ZFR021131	CP 16	33,0	40,0								
	ZFR021132	CP 17	33,0	40,0								
	ZFR021133	CP 18	33,0	40,0								
3	ZFR005404	CP 19	33,0	40,0	ZFR021149	PAV 03	ZFR021155	PAS 03	ZFR044790	FV	ZFR021167	VI 06X30
	ZFR021134	CP 20	37,0	48,0								
	ZFR021135	CP 21	37,0	48,0								
	ZFR021136	CP 22	37,0	48,0								
	ZFR021137	CP 25	37,0	48,0								
4	ZFR021138	CP 27	42,0	57,0	ZFR021150	PAV 04	ZFR021156	PAS 04	ZFR044790	FV	ZFR021168	VI 06X35
	ZFR021139	CP 28	42,0	57,0								
	ZFR021140	CP 30	42,0	57,0								
	ZFR021141	CP 32	42,0	57,0								
	ZFR021142	CP 33,7	58,0	70,0								
5	ZFR021143	CP 35	58,0	70,0	ZFR021151	PAV 05	ZFR021157	PAS 05	ZFR044790	FV	ZFR021169	VI 06X50
	ZFR021144	CP 38	58,0	70,0								
	ZFR005365	CP 40	58,0	70,0								
	ZFR021145	CP 42	58,0	70,0								
6	ZFR021146	CP 48	66,0	86,0	ZFR021152	PAV 06	ZFR021158	PAS 06	ZFR044790	FV	ZFR021170	VI 06X60

L'écrou de rail **ER 06 (ZFR012316)** est identique pour tous les modules de 1 à 6.

Rail de fixation livré en longueur indivisible de 2 mètres et proposé en différentes hauteurs :

- RAIL MODULE 1 (ZFR012313) H=11 mm
- RAIL MODULE 2 (ZFR012314) H=14 mm
- RAIL MODULE 3 (ZFR012315) H=30 mm





Lors de la prise de commande, veuillez indiquer la référence ou le code informatique et ses quantités.

Rail nut ER 06 (ZFR012316) is identical for all modules between 1 to 6.

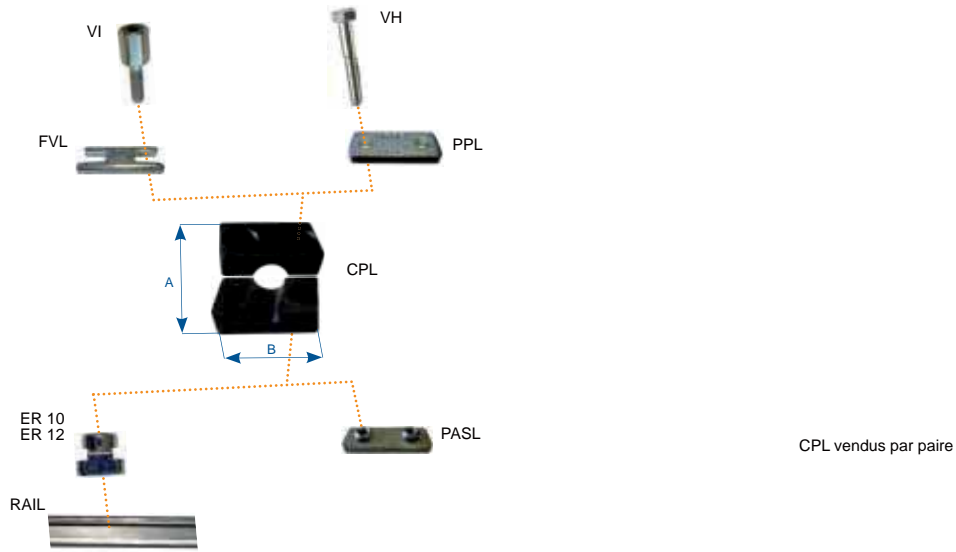
Base rail is delivered in 2 meter lengths only and suggested in different heights :







- RAIL MODULE 1 (ZFR012313) H=11 mm
- RAIL MODULE 2 (ZFR012314) H=14 mm
- RAIL MODULE 3 (ZFR012315) H=30 mm

Please state reference or computer code and desired quantities when ordering.

Plaque de protection <i>Covering plate</i>		Vis à tête fendue <i>Slot head screw</i>		Vis à tête hexagonale <i>Hex head screw</i>		Vis à 6 pans creux <i>Allen head screw</i>	
ET/AND		OU/OR		OU/OR		OU/OR	
	Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>
ZFR021171	PP 01	ZFR021177	VF 06X20	ZFR021183	VH 06X30	ZFR021189	VHC 06X20
ZFR021172	PP 02	ZFR021178	VF 06X25	ZFR021184	VH 06X35	ZFR021190	VHC 06X25
ZFR021173	PP 03	ZFR021179	VF 06X30	ZFR021185	VH 06X40	ZFR021191	VHC 06X30
ZFR021174	PP 04	ZFR021180	VF 06X35	ZFR021186	VH 06X45	ZFR021192	VHC 06X35
ZFR021175	PP 05	ZFR021181	VF 06X50	ZFR021187	VH 06X60	ZFR021193	VHC 06X50
ZFR021176	PP 06	ZFR021182	VF 06X60	ZFR021188	VH 06X70	ZFR021194	VHC 06X60

COLLIERS SIMPLES SERIE LOURDE



M O D U L E	ET/AND				ET/AND		ET/AND		OU/OR		ET/AND			
	Coquille polypropylène série lourde <i>Polypropylene jaws</i>				Plaque à souder <i>Weld on base plate</i>		Frein de vis <i>Screw lock washer</i>		Vis intermédiaire <i>Intermediary screw</i>		Plaque de protection <i>Covering plate</i>		Vis à tête hexagonale <i>Hex head screw</i>	
		Référence <i>Reference</i>	A	B		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>
1	ZFR021240	CPL 06	32,0	55,0										
	ZFR021241	CPL 08	32,0	55,0										
	ZFR021242	CPL 10	32,0	55,0										
	ZFR021243	CPL 12	32,0	55,0										
	ZFR021244	CPL 13	32,0	55,0	ZFR021279	PASL 01	ZFR021289	FVL 01	ZFR021299	VI 10X26	ZFR021309	PPL 01	ZFR021319	VH 10X45
	ZFR021245	CPL 14	32,0	55,0										
	ZFR021246	CPL 15	32,0	55,0										
	ZFR021247	CPL 16	32,0	55,0										
	ZFR021248	CPL 17	32,0	55,0										
	ZFR021249	CPL 18	32,0	55,0										
2	ZFR021250	CPL 20	48,0	70,0										
	ZFR021251	CPL 21	48,0	70,0										
	ZFR021252	CPL 22	48,0	70,0										
	ZFR021329	CPL 25	48,0	70,0	ZFR021280	PASL 02	ZFR021290	FVL 02	ZFR021300	VI 10X40	ZFR021310	PPL 02	ZFR021320	VH 10X60
	ZFR021253	CPL 27	48,0	70,0										
	ZFR021254	CPL 28	48,0	70,0										
3	ZFR021255	CPL 30	48,0	70,0										
	ZFR021256	CPL 33,7	60,0	85,0										
	ZFR021257	CPL 35	60,0	85,0										
	ZFR021258	CPL 38	60,0	85,0	ZFR021281	PASL 03	ZFR021291	FVL 03	ZFR021301	VI 10X50	ZFR021311	PPL 03	ZFR021321	VH 10X70
	ZFR021259	CPL 40	60,0	85,0										
	ZFR021260	CPL 42	60,0	85,0										

La référence de l'écrou de rail est **ER 10 (ZFR022243)** du module 1 à 3 et **ER 12 (ZFR022294)** pour le module 4.







Rail de fixation sur demande.

Lors de la prise de commande, veuillez indiquer la référence ou le code informatique et ses quantités.

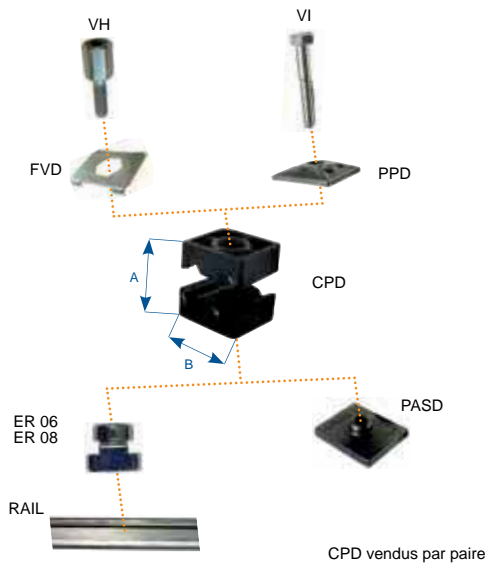
Reference of rail nut is **ER 10 (ZFR022243)** between module 1 to 3 and **ER 12 (ZFR022294)** for module 4.

Base rail on request.

Please state reference or computer code and desired quantities when ordering.

M O D U L E	ET/AND				ET/AND		ET/AND		OU/OR		ET/AND			
	Coquille polypropylène série lourde <i>Polypropylene jaws</i>				Plaque à souder <i>Weld on base plate</i>		Frein de vis <i>Screw lock washer</i>		Vis intermédiaire <i>Intermediary screw</i>		Plaque de protection <i>Covering plate</i>		Vis à tête hexagonale <i>Hex head screw</i>	
		Référence <i>Reference</i>	A	B		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>		Référence <i>Reference</i>
4	ZFR021261	CPL 49	90,0	120,0										
	ZFR021262	CPL 55	90,0	120,0										
	ZFR021263	CPL 60,3	90,0	120,0	ZFR021282	PASL 04	ZFR021292	FVL 04	ZFR021302	VI 12X75	ZFR021312	PPL 04	ZFR021322	VH 12X100
	ZFR021264	CPL 65	90,0	120,0										
	ZFR021265	CPL 70	90,0	120,0										
5	ZFR058916	CPL 73	120,0	152,0										
	ZFR021266	CPL 76,1	120,0	152,0	ZFR021283	PASL 05		FVL 05		VI 16X110	ZFR021313	PPL 05	ZFR021323	VH 16X130
	ZFR021267	CPL 80	120,0	152,0										
6	ZFR021268	CPL 89	120,0	152,0										
	ZFR021270	CPL 102	170,0	205,0	ZFR021284	PASL 06		FVL 06	-	-	ZFR021314	PPL 06	ZFR021324	VH 20X190
7	ZFR021271	CPL 114	170,0	205,0										
	ZFR021272	CPL 140	200,0	250,0	ZFR021285	PASL 07		FVL 07	-	-	ZFR021315	PPL 07	ZFR021325	VH 24X220

COLLIERS DOUBLES



La référence de l'écrou de rail est **ER 06 (ZFR012316)** pour le module 1 et **ER 08 (ZFR022369)** pour les modules 2 à 5.

Rail de fixation livré en longueur indivisible de 2 mètres et proposé en différentes longueurs :

- RAIL MODULE 1 (ZFR012313) H=11 mm
- RAIL MODULE 2 (ZFR012314) H=14 mm
- RAIL MODULE 3 (ZFR012315) H=30 mm

Lors de la prise de commande, veuillez indiquer la référence ou le code informatique et ses quantités

Reference of rail nut is **ER 06 (ZFR012316)** for module 1 and **ER 08 (ZFR022369)** between modules 2 to 5.

Base rail is delivered in 2 meter lengths only and suggested in different heights :

- RAIL MODULE 1 (ZFR012313) H=11 mm
- RAIL MODULE 2 (ZFR012314) H=14 mm
- RAIL MODULE 3 (ZFR012315) H=30 mm

Please state reference or computer code and desired quantities when ordering

M O D U L E	Coquille polypropylène série double <i>Polypropylene jaws twin series</i>		ET/AND		ET/AND		ET/AND		OU/OR		ET/AND			
	Référence <i>Reference</i>	A	B	Plaque à souder <i>Weld on base plate</i>	Référence <i>Reference</i>	Frein de vis <i>Screw lock washer</i>	Référence <i>Reference</i>	Vis intermédiaire <i>Intermediary screw</i>	Référence <i>Reference</i>	Plaque de protection <i>Covering plate</i>	Référence <i>Reference</i>	Vis à tête hexagonale <i>Hex head screw</i>	Référence <i>Reference</i>	
1	ZFR021195	CPD 06	27,0	36,0	ZFR021216	PASD 01	ZFR021221	FVD 01	ZFR021165	VI 06X20	ZFR021231	PPD 01	ZFR021184	VH 06X35
	ZFR021196	CPD 08	27,0	36,0										
	ZFR021197	CPD 10	27,0	36,0										
	ZFR021198	CPD 12	27,0	36,0										
2	ZFR021199	CPD 13	26,0	53,0	ZFR021217	PASD 02	ZFR044791	FVD 02-05	ZFR021227	VI 08X20	ZFR021232	PPD 02	ZFR021236	VH 08X35
	ZFR021200	CPD 14	26,0	53,0										
	ZFR021201	CPD 15	26,0	53,0										
	ZFR021202	CPD 16	26,0	53,0										
	ZFR021203	CPD 17	26,0	53,0										
	ZFR021204	CPD 18	26,0	53,0										
3	ZFR006407	CPD 19	37,0	67,0	ZFR021218	PASD 03	ZFR044791	FVD 02-05	ZFR021228	VI 08X30	ZFR021233	PPD 03	ZFR021237	VH 08X45
	ZFR021205	CPD 20	37,0	67,0										
	ZFR021206	CPD 21	37,0	67,0										
	ZFR021207	CPD 22	37,0	67,0										
4	ZFR021208	CPD 25	37,0	67,0	ZFR021219	PASD 04	ZFR044791	FVD 02-05	ZFR021229	VI 08X45	ZFR021234	PPD 04	ZFR021238	VH 08X50
	ZFR021209	CPD 27	42,0	82,0										
	ZFR021210	CPD 28	42,0	82,0										
5	ZFR021211	CPD 30	42,0	82,0	ZFR021220	PASD 05	ZFR044791	FVD 02-05	ZFR021230	VI 08X50	ZFR021235	PPD 05	ZFR021239	VH 08X65
	ZFR021212	CPD 33,7	54,0	106,0										
	ZFR021213	CPD 35	54,0	106,0										
	ZFR021214	CPD 38	54,0	106,0										
	ZFR021215	CPD 42	54,0	106,0										

fluiconnecto®

by *manuli*®

NORD

AMIENS :	03.22.09.31.39
BEAUVAIS :	03.44.05.52.12
BOULOGNE :	03.21.92.94.28
CAEN :	02.31.34.99.33
CHERBOURG :	02.33.44.40.10
COMPIEGNE :	03.44.40.06.79
LE HAVRE :	02.35.26.10.48
LILLE :	03.20.32.34.60
ROUEN Nord :	02.35.75.51.02
ROUEN Sud :	02.35.64.36.50
SOISSONS :	03.23.73.09.09
VALENCIENNES :	03.27.21.22.21

ILE DE FRANCE

BEAUCHAMP :	01.39.95.42.12
GENNEVILLIERS :	01.41.21.03.61
LAGNY :	01.60.31.02.97
ST MICHEL S/ ORGE :	01.69.25.84.30
TRAPPES :	01.30.50.59.71
VILLENEUVE LE ROI :	01.56.71.12.26

OUEST

ANGERS :	02.41.43.00.05
BREST :	02.98.00.02.25
LA ROCHE S/ YON :	02.51.36.31.31
LAVAL :	02.43.49.37.27
LE MANS :	02.49.49.29.94
NANTES Est :	02.40.93.68.38
NANTES Ouest :	02.51.77.80.14
QUIMPER :	02.98.53.21.87
RENNES :	02.99.86.03.21
SAINTE BRIEUC :	02.96.33.02.22
VANNES :	02.97.68.10.59

EST

BESANCON :	03.81.25.42.60
CHARLEVILLE :	03.24.53.60.58
METZ :	03.87.31.04.02
NANCY :	03.83.26.30.98
REIMS Nord :	03.26.09.92.46
REIMS Sud :	03.26.50.17.53
STRASBOURG :	03.88.67.12.16
TROYES :	03.25.78.23.66

CENTRE

BLOIS :	02.54.56.11.44
BOURGES :	02.48.02.14.30
BRIVE :	05.55.17.15.73
CHARTRES :	02.37.30.97.72
CHATEAUROUX :	02.54.22.36.82
LIMOGES :	05.55.38.95.01
NIORT :	05.49.79.03.25
ORLEANS :	02.38.21.50.95
POITIERS :	05.49.55.08.37
TOURS Nord :	02.47.41.05.43

RHONE ALPES

ANNECY :	04.50.33.83.33
CHALON S/ S :	03.85.48.79.13
CHAMBERY :	04.79.65.14.35
CLERMONT FD :	04.73.84.36.57
DIJON :	03.80.60.14.90
GRENOBLE :	04.76.56.04.47
LYON :	04.72.79.14.90
SAINT ETIENNE :	04.77.25.62.34

SUD OUEST

AGEN :	05.53.48.21.60
ANGOULEME :	05.45.67.08.56
BAYONNE :	05.59.25.42.33
BORDEAUX :	05.57.34.04.04
LA ROCHELLE :	05.46.44.84.78
PAU :	05.59.62.03.83
RODEZ :	05.65.67.87.95
SAINTEES :	05.46.98.05.44
TOULOUSE Sud :	05.62.87.10.48

SUD

AIX :	04.42.26.00.63
AVIGNON :	04.90.22.44.86
CANNES :	04.93.47.29.94
GAP :	04.92.45.32.64
MARSEILLE :	04.42.05.31.30
NIMES :	04.66.29.85.29
TOULON :	04.94.21.60.39
VALENCE :	04.75.41.83.94



SIÈGE SOCIAL

FLUICONNECTO

42-44 rue de Grande Bretagne - BP 60237

44472 CARQUEFOU CEDEX

Tél. 02 40 93 57 99 - Fax 02 40 93 69 56

www.fluiconnecto.com - standard@fluiconnecto.fr

Tél. 33 (0)2.40.93.48.00
export@fluiconnecto.fr

FLUICONNECTO est une société du groupe MANULI