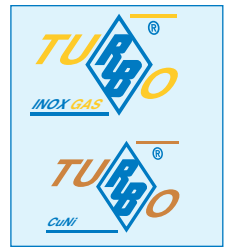


SISTEMA PRESSFITTING TURBO STEEL-INOX-INOX GAS-CuNi

PRESSFITTING SYSTEM TURBO STEEL-INOX-INOX GAS-CuNi



1. Presentazione

TURBO INOX e TURBO INOX GAS (in acciaio inossidabile AISI 316L), TURBO STEEL (in acciaio al carbonio n° 1.0034) e TURBO CuNi (in cupronichel 90/10) sono dei sistemi di connessione a pressare (tubi, curve, manicotti, derivazioni, riduzioni, ecc.) nella gamma dimensionale compresa tra 15 e 108 mm, che presentano un'estrema semplicità e rapidità di montaggio.

I tubi innestati negli appositi raccordi pressfitting, vengono uniti grazie all'azione esercitata da pressatrici sia elettroidrauliche che elettromeccaniche, munite di pinze (profilo M), che imprime una deformazione definitiva alla camera toroidale di ogni raccordo garantendone la tenuta ermetica e meccanica.

I campi principali di impiego di TURBO INOX sono l'adduzione di acqua potabile (certificato da DVGW DW8511CN0004) e di acque trattate e/o additivate, di impianti antincendio e nella versione TURBO INOX GAS (certificato da DVGW DG 4550CN0164), l'adduzione di gas metano, gas naturale e GPL. I settori di applicazione di TURBO STEEL sono principalmente gli impianti di riscaldamento a circuito chiuso, di conduzione aria compressa e antincendio sprinkler a umido mentre per TURBO CuNi sono gli impianti navali alimentati ad acqua di mare (antincendio, refrigerazione, lavaggio, dissalazione, zavorra, sentina). I sistemi in allestimento possono lavorare alla pressione massima di 16 bar e temperatura in funzione del tipo di O-ring (EPDM o FKM). Per TURBO STEEL e TURBO INOX, il disegno degli O-ring LBP (Leak before press) consente di individuare una fuoriuscita di fluido in fase di collaudo impianto, qualora il raccordo non fosse stato pressato. Per maggiori dettagli, consultate lo specifico manuale tecnico.

1. Introduction

TURBO INOX and TURBO INOX GAS (in stainless steel AISI 316L), TURBO STEEL (in carbon steel 1.0034) and TURBO Cu-Ni (a 90/10 copper-nickel alloy) are press-systems (pipes, elbows, couplings, etc), very quick and easy to install and assemble. Their range vary from 15 to 108 mm. Pipes and fittings are assembled by means of M profiled clamps which create a standing deformation to the toroidal chamber of the fitting and guarantee, once the o-ring is pressed, a perfect and permanent mechanical sealing.

The main application for our TURBO INOX system is the distribution of potable water (as per DVGW Certificate DW8511CN0004), treated and additives water, fire-fighting lines. The option TURBO INOX GAS is (as per DVGW Certificate DG 4550CN0164) mainly installed for the distribution of NCG and LPG. While the Turbo Steel system is mainly used for heating and conditioning systems, as well as compressed air circuits and for wet fire fighting lines. The TURBO Cu-Ni system is requested for shipyard installation where marine water is used for fire-fighting, cooling, water sweetening, ballast and bilge purposes. Our systems, can be used for a maximum working pressure of 16 bar and at a variable working temperature depending on the O-ring (EPDM or FKM). Per TURBO STEEL e TURBO INOX, the design of the O-ring LBP (Leak before press) allows to identify a possible leakage of the fluid, during the testing phase of the installation, in case the fittings was not pressed. For further details, please refer to our technical manual.

1. Présentation

TURBO INOX et TURBO INOX GAS (en acier inoxydable AISI 316L), TURBO STEEL (en acier-carbone n° 1.0034) et TURBO Cu-Ni (en alliage 90/10 quivre-nickel) sont des systèmes de connexion à presser (tubes, coudes, manchons, dérivation, réductions, etc.) dans la gamme dimensionnelle entre 15 et 108 mm, qui sont très simple et rapides à monter.

Les tubes greffés sur les connecteurs sont unis par des moyens de pinces (profil M), soit électro hydraulique que électromécaniques, qui déforment définitivement la chambre toroïdale en assurant l'étanchéité mécanique.

Les principaux domaines d'applications de TURBO INOX sont l'approvisionnement d'eau potable (certifiés par le DVGW DW8511CN0004), de l'eau traitée ou de l'eau avec des additifs et dans les systèmes de protection contre-incendie. La version TURBO INOX GAS (certifiés par le DVGW DG 4550CN0164) est recommandé dans la fourniture de gaz naturel et du GPL. Les domaines d'application de la version TURBO STEEL sont principalement des circuits fermés pour le chauffage, pour l'air comprimé et les réseaux sprinklers dans les systèmes humides de protection incendie. TURBO CuNi est principalement utilisé dans des applications marines avec passage d'eau salée (protection contre-incendies, refroidissement, nettoyage, dessalement, ballast et assèchement). Per TURBO STEEL e TURBO INOX, Le dessin des joints toriques LBP (Leak before press) permet d'identifier une éventuelle fuite de fluide pendant la phase de vérification de l'implantation, au cas où le raccord n'aurait pas été pressé. Ces systèmes peuvent fonctionner à la pression maximale de 16 bar et températures en fonction du type de joint torique utilisé (EPDM ou FKM). Pour plus de détails, reportez-vous au catalogue spécifique.

1. Vorstellung

TURBO INOX und TURBO INOX GAS (aus Edelstahl 316L), TURBO STEEL (aus Stahl 1.0034) und TURBO CuNi (aus Kupfernichel 90/10) sind Pressfitting-Systeme (Rohre, Bögen, Muffen, Einsätze, usw.), in den Größen ab 15 bis 108mm, die eine sehr schnelle, einfache und praktikable Möglichkeit der Verlegung bieten.

Rohre und Fittings werden sowohl durch elektrohydraulische als auch elektromechanische Press-Werkzeuge ("M" Profil) miteinander verbunden, die eine Verformung der Ringkammer jedes Fittings hervorrufen. Damit wird eine hermetisch abgeschlossene und permanente mechanische Verbindung garantiert.

Rohre und Fittings werden sowohl durch elektrohydraulische als auch elektromechanische Press-Werkzeuge ("M" Profil) miteinander verbunden, die eine Verformung der Ringkammer jedes Fittings hervorrufen. Per TURBO STEEL e TURBO INOX, das besondere Profil des O-Rings lässt bei versehentlich nicht verpressten Verbindungen bei der Dichtheitsprüfung auffallen (sog. Unverpresst Undicht"). Damit wird eine hermetisch abgeschlossene und permanente mechanische Verbindung garantiert.

Haupteinsätze der Edelstahl TURBO INOX Fittings, ist die Zufuhr von Trinkwasser (von DVGW zugelassen DW8511CN0004) von behandeltem bzw. additiviertem Wasser sowie von Feuerlöschwasser. Die Version TURBO INOX GAS (von DVGW zugelassen DG 4550CN0164) ist für die Zufuhr von Methan, Erdgas und Flüssiggas. Die Einsatzbereiche von TURBO STEEL sind hauptsächlich die geschlossener Kreislauf Heiztechnik, die Druckluftverteilung, Feuerlösch-Sprinkler-Nassanlagen. Typische Einsatzbeispiele für TURBO CuNi sind Meerwasser-Schiffanlagen (Feuerlöschen, Kühlen, Waschen, Entsalzen, Ballast, Bilge). Unsere Standard Systeme können bei einem maximalen Betriebsdruck von 16 Bar eingesetzt werden. Die Temperatur hängt vom Typ der Oringe ab (EPDM bzw. FKM). Weitere Informationen entnehmen Sie bitte unseren technischen Datenblättern.

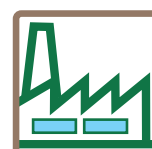
1. Presentación

TURBO INOX y TURBO INOX GAS (en acero inoxidable AISI 316 L), TURBO STEEL (en acero carbono nº 1.0034) y TURBO CuNi (aleación 90/10 cobre-níquel) son sistemas de conexiones a prensar, (tubos, curvas, manguitos, derivaciones, reducciones etc.) en la gama dimensional entre 15 y 108 mm, que ofrecen un extrema simplicidad y rapidez de montaje. De hecho los tubos insertados en las conexiones referentes son juntos con la mordaza (perfil M) electro hidráulica o, también, electromecánica, que produce una deformación definitiva a la cámara toroidal de cada conexión garantiéndole el reten hidráulico y mecánico.

Per TURBO STEEL e TURBO INOX, El diseño del O-ring LBP (Leak before press) le permite detectar una fuga de fluido durante la prueba en la planta, si la conexión no se ha prensado.






Los principales campos de aplicaciones de TURBO INOX se encuentran en el abastecimiento de agua potable (certificado por DVGW DW8511CN0004), en el agua tratada o agua con aditivos y en los sistemas de protección contra incendios. La versión TURBO INOX GAS (certificado por DVGW DG 4550CN0164) se recomienda en el suministro de gas natural y GLP. Los campos de aplicación de TURBO STEEL son principalmente en circuitos cerrados de calefacción, suministro de aire comprimido y redes de rociadores en sistemas húmedos de protección contra incendios. TURBO CuNi se utiliza principalmente en aplicaciones marinas que utilizan agua de mar (protección contra incendios, refrigeración, limpieza, desalinización, lastre y sentina). Estos sistemas pueden trabajar a la presión máxima de 16 bar y temperaturas que dependen de el tipo de junto tórico utilizado (EPDM o FKM).

Para obtener más información, consulte el catálogo específico.










Art. 52T001•

-  Tubo in acciaio inossidabile AISI 316L ricotto.
-  Stainless steel annealed pipe AISI 316L.
-  Tube en acier inoxydable AISI 316L recuit.
-  Edelstahlrohr gegläht AISI316L Stangenmaterial.
-  Tubo en acero inoxidable AISI 316L recocido.

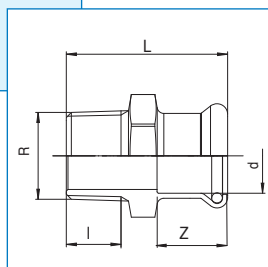
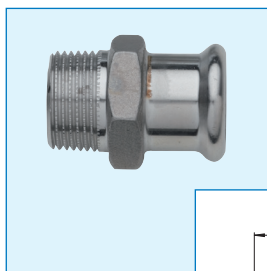
MISURA SIZE	SP	m/BARRA m/BAR	m/FASCIO m/ BUNCH	CODICE CODE
15	1	6	1.014	52T00115
18	1	6	1.014	52T00118
22	1,2	6	762	52T00122
28	1,2	6	546	52T00128
35	1,5	6	546	52T00135
42	1,5	6	366	52T00142
54	1,5	6	366	52T00154
76,1	2	6	222	52T00176
88,9	2	6	114	52T00188
108	2	6	114	52T001108



Art. 52T011•

-  Tubo in acciaio inossidabile AISI 316L crudo.
-  Stainless steel raw pipe AISI 316L.
-  Tube en acier inoxydable AISI 316L cru.
-  Edelstahlrohr unbearbeitet AISI316L Stangenmaterial.
-  Tubo en acero inoxidable AISI 316L crudo.

MISURA SIZE	SP	m/BARRA m/BAR	m/FASCIO m/ BUNCH	CODICE CODE
15	1	6	1.014	52T01115
18	1	6	1.014	52T01118
22	1,2	6	1.014	52T01122
28	1,2	6	546	52T01128
35	1,5	6	360	52T01135
42	1,5	6	234	52T01142
54	1,5	6	234	52T01154
76,1	2	6	168	52T01176
88,9	2	6	138	52T01188
108	2	6	114	52T011108

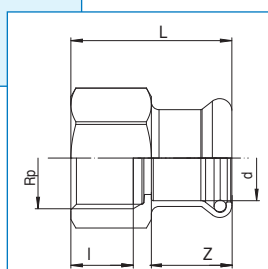


Art. 520000

- Manicotto misto - filetto maschio.
- Male adaptor.
- Manchon mâle.
- Übergangsstück AG.
- Manguito mixto - roscado macho.

LBP

d-R	SAC.	MASTER BOX	CODICE CODE	L	Z	I
15-R 1/2"	10	300	5200001504	44	19	15
15-R 3/4"	10	200	5200001505	46	19	16,3
18-R 1/2"	10	250	5200001804	45	19,5	15
18-R 3/4"	10	200	5200001805	47	19,5	16,3
22-R 1/2"	5	150	5200002204	47	21	15
22-R 3/4"	5	150	5200002205	46	21	16,3
22-R 1"	5	150	5200002206	51	21	19,1
28-R 3/4"	5	150	5200002805	50	22	16,3
28-R 1"	5	100	5200002806	53	22	19,1
28-R 1"1/4	5	90	5200002807	60	22	21,4
35-R 1"	5	90	5200003506	59	27	19,1
35-R 1"1/4	5	70	5200003507	60	27	21,4
35-R 1"1/2	5	60	5200003508	61	27	21,4
42-R 1"1/4	2	40	5200004207	63	30	21,4
42-R 1"1/2	2	40	5200004208	63	30	21,4
54-R 1"1/2	2	30	5200005408	70	35	21,4
54-R 2"	2	28	5200005410	73	35	25,7
76,1-R 2"1/2	1	10	5200007612	101	54	30,2
88,9-R 3"	1	10	5200008814	108	61	33,3

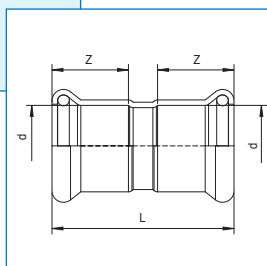


Art. 520100

- Manicotto misto - filetto femmina.
- Female adaptor.
- Manchon femelle.
- Übergangsstück IG.
- Manguito mixto - roscado hembra.

LBP

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	Z	I
15-Rp 1/2"	10	200	5201001504	41	19	15
15-Rp 3/4"	10	200	5201001505	42	19	16,3
18-Rp 1/2"	10	200	5201001804	41	19,5	15
18-Rp 3/4"	10	200	5201001805	42	19,5	16,3
22-Rp 1/2"	5	150	5201002204	39	21	15
22-Rp 3/4"	5	150	5201002205	42	21	16,3
22-Rp 1"	5	120	5201002206	46	21	19,1
28-Rp 1/2"	5	100	5201002804	39	22	15
28-Rp 3/4"	5	100	5201002805	44	22	16,3
28-Rp 1"	5	100	5201002806	47,5	22	19,1
28-Rp 1"1/4	5	90	5201002807	49,5	22	21,4
35-Rp 1"	5	70	5201003506	49	27	19,1
35-Rp 1"1/4	5	75	5201003507	54	27	21,4
35-Rp 1"1/2	5	60	5201003508	55	27	21,4
42-Rp 1"1/4	2	50	5201004207	55	30	21,4
42-Rp 1"1/2	2	30	5201004208	58	30	21,4
54-Rp 1"1/2	2	24	5201005408	60	35	21,4
54-Rp 2"	2	30	5201005410	67	35	25,7

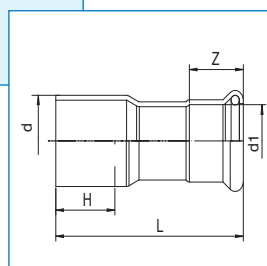
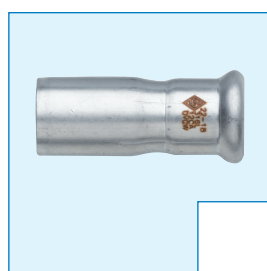


Art. 520200

- Manicotto con battuta.
- Joint with folder.
- Manchon avec flexion.
- Muffe.
- Manguito con remate.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52020015	48	19
18	10	250	52020018	49,5	19,5
22	5	200	52020022	51	21
28	5	100	52020028	55	22
35	5	75	52020035	68,5	27
42	2	46	52020042	78,5	30
54	2	28	52020054	90	35
76,1	1	10	52020076	130,5	54
88,9	1	8	52020088	147	61
108	1	3	520200108	189	76

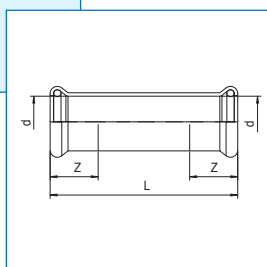


Art. 520400

- Riduzione M/F.
- M/F reducer.
- Réduction mâle/femelle.
- Reduziertstück.
- Reducción macho/hembra.

LBP

d-d1	SAC.	MASTER BOX	CODICE CODE	L	H	Z
18-15	10	250	5204001815	54	19,5	19
22-15	10	250	5204002215	64	21	19
22-18	10	250	5204002218	60	21	19,5
28-15	10	200	5204002815	70	22	19
28-18	10	200	5204002818	70	22	19,5
28-22	5	150	5204002822	69	22	21
35-22	5	100	5204003522	71,5	27	21
35-28	5	100	5204003528	72	27	22
42-22	2	80	5204004222	89	30	21
42-28	2	80	5204004228	77	30	22
42-35	2	60	5204004235	80	30	27
54-28	2	40	5204005428	107,5	35	22
54-35	2	40	5204005435	104	35	27
54-42	2	30	5204005442	98	35	30
76,1-54	1	24	5204007654	144	54	35
88,9-54	1	12	5204008854	171	61	35
88,9-76,1	1	10	5204008876	160	61	54
108-54	1	3	52040010854	217	76	35
108-76,1	1	5	52040010876	210	76	54
108-88,9	1	4	52040010888	199	76	61

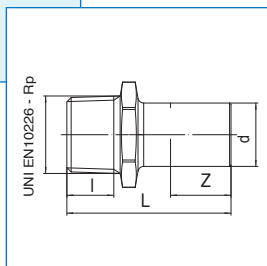
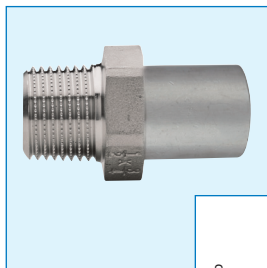


Art. 520500

- Manicotto passante.
- Slip coupling.
- Manchon de connexion.
- Schiebemuffe.
- Manguito de paso.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52050015	71	19
18	10	250	52050018	77	19,5
22	5	125	52050022	82	21
28	5	75	52050028	90	22
35	5	50	52050035	98	27
42	2	24	52050042	116	30
54	2	16	52050054	141	35
76,1	1	4	52050076	232,5	54
88,9	1	3	52050088	255	61
108	1	2	520500108	315,5	76

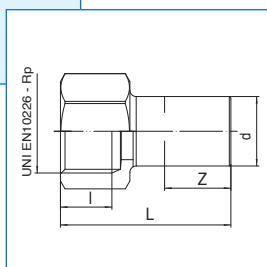
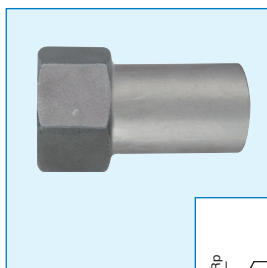


Art. 520800

- Manicotto maschio - filetto maschio.
- Male adaptor - male thread.
- Manchon mâle - taraudée mâle.
- Übergangsfitting AG.
- Manguito macho - roscado macho.

NEW

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	Z	I
15-Rp 1/2"	10	300	5208001504	52	19	15
18-Rp 1/2"	10	250	5208001804	52	19,5	15
18-Rp 3/4"	10	200	5208001805	56	19,5	16,3
22-Rp 1/2"	5	150	5208002204	53,5	21	15
22-Rp-3/4"	5	150	5208002205	57	21	16,3
28-Rp 3/4"	5	150	5208002805	57	22	16,3

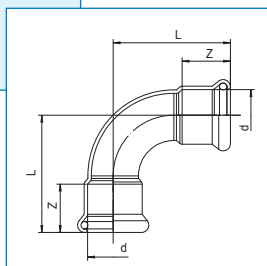


Art. 520900

- Manicotto maschio - filetto femmina.
- Male adaptor - female thread.
- Manchon mâle - taraudée femelle.
- Übergangsfitting IG.
- Manguito macho - roscado hembra.

NEW

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	Z	I
15-Rp 1/2"	10	200	5209001504	51	19	15
18-Rp 1/2"	10	200	5209001804	50,5	19,5	15
18-Rp 3/4"	10	200	5209001805	52	19,5	16,3
22-Rp 1/2"	5	150	5209002204	51	21	15
22-Rp-3/4"	5	150	5209002205	54	21	16,3
28-Rp 3/4"	5	100	5209002805	54,5	22	16,3

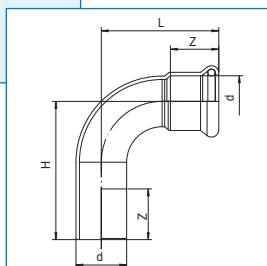


Art. 521200

- Curva 90° F/F.
- F/F 90° elbow.
- Courbe 90° femelle/femelle.
- Bogen 90°.
- Curva 90° hembra/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52120015	41	19
18	10	200	52120018	45	19,5
22	5	125	52120022	51	21
28	5	70	52120028	60,5	22
35	5	40	52120035	76,5	27
42	2	20	52120042	95,9	30
54	2	8	52120054	124,3	35
76,1	1	5	52120076	160	54
88,9	1	2	52120088	185	61
108	1	1	521200108	250	76

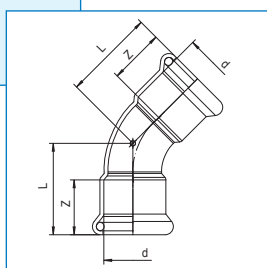


Art. 521300

- Curva 90° M/F.
- M/F 90° elbow.
- Courbe 90° mâle/femelle.
- Bogen 90° I/A.
- Curva 90° macho/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	Z
15	10	250	52130015	41	47,5	19
18	10	250	52130018	45	51,5	19,5
22	5	120	52130022	51	57,5	21
28	5	60	52130028	60,5	66,5	22
35	5	40	52130035	76,5	83	27
42	2	20	52130042	96	102,5	30
54	2	12	52130054	124,5	131,5	35
76,1	1	5	52130076	160	166	54
88,9	1	2	52130088	185	193	61
108	1	1	521300108	250	258	76

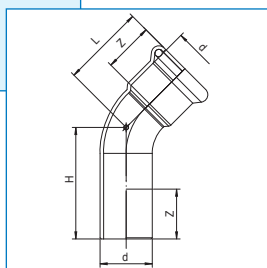


Art. 521400

- Curva 45° F/F.
- F/F 45° elbow.
- Courbe 45° femelle/femelle.
- Bogen 45°.
- Curva 45° hembra/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52140015	31	19
18	10	250	52140018	32	19,5
22	5	120	52140022	38	21
28	5	60	52140028	41	22
35	5	50	52140035	52	27
42	2	24	52140042	66,3	30
54	2	16	52140054	86,3	35
76,1	1	5	52140076	101	54
88,9	1	3	52140088	116	61
108	1	2	521400108	153	76

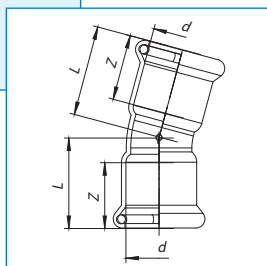


Art. 521500

- Curva 45° M/F.
- M/F 45° elbow.
- Courbe 45° mâle/femelle.
- Bogen 45° I/A.
- Curva 45° macho/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	Z
15	10	250	52150015	31	37,5	19
18	10	250	52150018	32	38,5	19,5
22	5	120	52150022	38	47	21
28	5	60	52150028	41	50,5	22
35	5	40	52150035	52	58,5	27
42	2	24	52150042	66,3	72,8	30
54	2	16	52150054	86,3	93,3	35
76,1	1	9	52150076	103	109	54
88,9	1	3	52150088	116	124	61
108	1	2	521500108	153	161	76

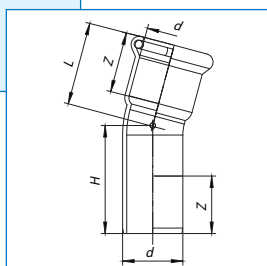


Art. 522600

- Curva doppia 15° F/F.
- F/F 15° double elbow.
- Courbe double 15° F/F.
- Doppelter Winkelstück 15°.
- Curva doble 15° hembra/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52260015	30	19
18	10	250	52260018	26,2	19,5
22	5	120	52260022	30,5	21
28	5	60	52260028	30	22
35	5	40	52260035	55,5	27
42	2	28	52260042	66,2	30
54	2	16	52260054	81,5	35
76,1	1	6	52260076	77,5	54
88,9	1	6	52260088	86	61
108	1	3	522600108	109,3	76

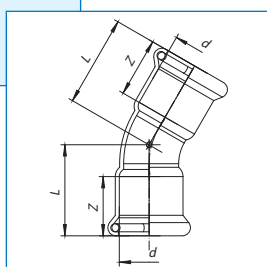


Art. 522700

- Curva doppia 15° M/F.
- M/F 15° double elbow.
- Courbe double 15° M/F.
- Doppelter Winkelstück 15° I/A.
- Curva doble 15° macho/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	Z
15	10	250	52270015	30	36,5	19
18	10	250	52270018	26,2	32,7	19,5
22	5	120	52270022	30,5	37,5	21
28	5	60	52270028	30	39	22
35	5	40	52270035	55,5	62	27
42	2	30	52270042	68,2	72,7	30
54	2	16	52270054	81,5	88	35
76,1	1	6	52270076	75,5	83,5	54
88,9	1	6	52270088	86	94	61
108	1	3	522700108	109,3	117,3	76

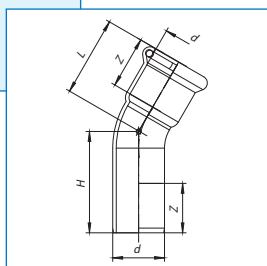


Art. 522800

- Curva doppia 30° F/F.
- F/F 30° double elbow.
- Courbe double 30° F/F.
- Doppelter Winkelstück 30°.
- Curva doble 30° hembra/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52280015	32,5	19
18	10	250	52280018	29,5	19,5
22	5	120	52800022	34	21
28	5	60	52280028	36	22
35	5	40	52280035	61,3	27
42	2	30	52280042	75,8	30
54	2	16	52280054	90,5	35
76,1	1	6	52280076	90,5	54
88,9	1	3	52280088	101,5	61
108	1	2	522800108	131,4	76

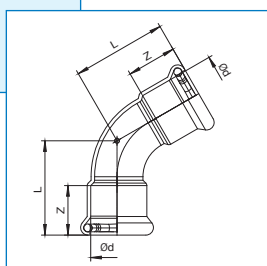


Art. 522900

- Curva doppia 30° M/F.
- M/F 30° double elbow.
- Courbe double 30° M/F.
- Doppelter Winkelstück 30° I/A.
- Curva doble 30° macho/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	Z
15	10	250	52290015	32,5	39	19
18	10	250	52290018	29,5	36	19,5
22	5	120	52290022	34	41	21
28	5	60	52290028	36	42	22
35	5	40	52290035	61,3	67,8	27
42	2	28	52290042	75,8	80,1	30
54	2	16	52290054	90,5	97	35
76,1	1	6	52290076	88,5	96,5	54
88,9	1	3	52290088	101,5	109,5	61
108	1	2	52290108	131,4	139,4	76

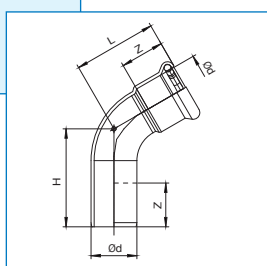


Art. 523800

- Curva doppia 60° F/F.
- F/F 60° double elbow.
- Courbe double 60° F/F.
- Doppelter Winkelstück 60°.
- Curva doble 60° hembra/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	10	250	52380015	34	19
18	10	250	52380018	36	19,5
22	5	120	52380022	42,5	21
28	5	60	52380028	46,5	22
35	5	50	52380035	69	27
42	2	24	52380042	88,5	30
54	2	16	52380054	112,5	35
76,1	1	5	52380076	120	54
88,9	1	3	52380088	137	61
108	1	2	52380108	181,5	76

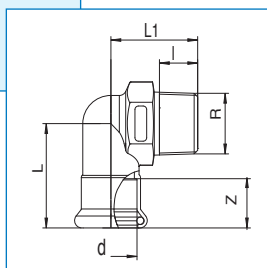
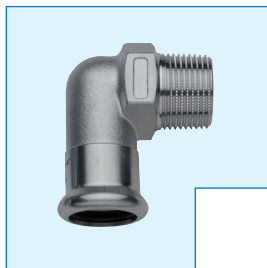


Art. 523900

- Curva doppia 60° M/F.
- M/F 60° double elbow.
- Courbe double 60° M/F.
- Doppelter Winkelstück 60° I/A.
- Curva doble 60° macho/hembra.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	Z
15	10	250	52390015	34	40,5	19
18	10	250	52390018	36	42,5	19,5
22	5	120	52390022	42,5	49,5	21
28	5	60	52390028	46,5	54	22
35	5	50	52390035	69	75,5	27
42	2	24	52390042	88,5	95	30
54	2	16	52390054	112,5	119	35
76,1	1	5	52390076	120	126	54
88,9	1	3	52390088	137	145	61
108	1	2	52390108	181,5	189,5	76

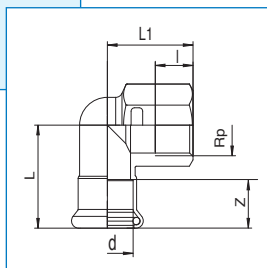


Art. 521600

- Gomito misto - filetto maschio.
- 90° male angle adaptor.
- Coude mâle.
- Winkeladapter 90° AG.
- Codo mixto - roscado macho .

LBP

d-R	SAC.	MASTER BOX	CODICE CODE	L	L1	Z	I
15-R 1/2"	10	200	5216001504	40	35,5	19	15
18-R 1/2"	10	150	5216001804	40	35,5	19,5	15
22-R 3/4"	5	100	5216002205	44,5	37	21	16,3
28-R 1"	5	50	5216002806	50	48	22	19,1
35-R 1"1/4	5	40	5216003507	60	48	27	21,4
42-R 1"1/2	2	28	5216004208	66	53	30	21,4
54-R 2"	2	16	5216005410	78	62	35	25,5

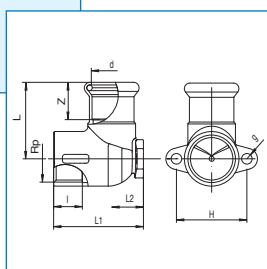


Art. 521700

- Gomito misto - filetto femmina.
- 90° female angle adaptor.
- Coude femelle.
- Winkeladapter 90° IG.
- Codo mixto - roscado hembra.

LBP

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	L1	Z	Z1
15-Rp 1/2"	10	180	5217001504	40	35,5	19	15
18-Rp 1/2"	10	120	5217001804	40	35,5	19,5	15
22-Rp 3/4"	5	100	5217002205	44,5	37	21	16,3
28-Rp 1"	5	40	5217002806	50	54	22	19,1
35-Rp 1"1/4	5	40	5217003507	60	62	27	21,4

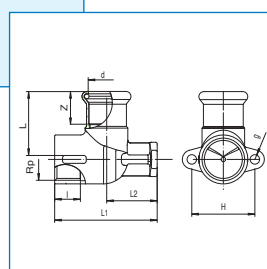


Art. 522000

- Gomito misto filetto femmina con flangia.
- 90° female elbow with wallplate.
- Applique coude.
- Wandwinkel kurz.
- Codo mixto roscado hembra con brida.

LBP

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	L1	L2	Z	I	H	g
15-Rp 1/2"	10	80	5220001504	38	43	12	20	15	34	5
18-Rp 1/2"	10	80	5220001804	38	43	12	20	15	34	5
22-Rp 3/4"	5	80	5220002205	43	51	18	21	16,3	40	6

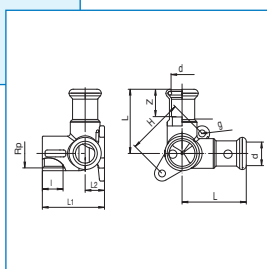


Art. 522100

- Gomito misto filetto femmina con flangia distanziata.
- 90° female elbow with long wallplate.
- Applique coude.
- Wandwinkel lang.
- Codo mixto con brida larga.

LBP

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	L1	L2	Z	I	H	g
15-Rp 1/2"	10	80	5221001504	38	65	34	20	15	40	6
18-Rp 1/2"	10	80	5221001804	38	65	34	20	15	40	6
22-Rp 3/4"	5	50	5221002205	43	65	32	21	16,3	40	6

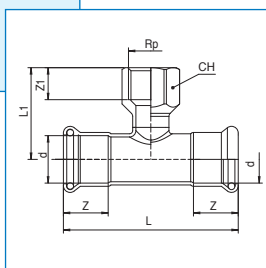


Art. 522200

- Trivio 90° filetto femmina con flangia.
- Female corner with wallplate.
- Applique double femelle.
- Doppelt Wandwinkel, IG.
- Doble brida roscada hembra.

LBP

d-Rp	SAC.	MASTER BOX	CODICE CODE	L	L1	L2	Z	Z1	H	g
15 x Rp 1/2"	10	80	5222001504	46,5	45	14	20	15	41	5

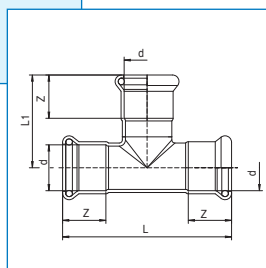


Art. 523100

- Tee - filetto femmina.
- Female Tee threaded adaptor.
- Tee femelle.
- T-Stück IG.
- Tee roscado hembra.

LBP

d-Rp-d	SAC.	MASTER BOX	CODICE CODE	L	L1	Z	Z1	CH
15-Rp 1/2"-15	10	160	523100150415	68	39,5	19	15	24
18-Rp 1/2"-18	10	160	523100180418	69	42	19,5	15	24
22-Rp 1/2"-22	5	100	523100220422	82	44,5	21	15	24
22-Rp 3/4"-22	5	75	523100220522	82	44,5	21	16,3	30
28-Rp 1/2"-28	5	60	523100280428	90	48	22	15	24
28-Rp 3/4"-28	5	60	523100280528	90	48,5	22	16,3	30
35-Rp 1/2"-35	5	40	523100350435	107	50,5	27	15	24
35-Rp 3/4"-35	5	40	523100350535	107	51	27	16,3	30
42-Rp 1/2"-42	2	30	523100420442	117	54	30	15	24
42-Rp 3/4"-42	2	24	523100420542	117	54,5	30	16,3	30
54-Rp 1/2"-54	2	16	523100540454	145	60	35	15	24
54-Rp 3/4"-54	2	16	523100540554	145	60,5	35	16,3	30
54-Rp 2"-54	2	10	523100541054	144,5	72	35	25,7	65
76,1-Rp 3/4"-76,1	1	6	523100760576	232	71,5	54	16,3	30
76,1-Rp 2"-76,1	1	4	523100761076	232	83	54	25,7	65
88,9-Rp 3/4"-88,9	1	3	523100880588	243	78	61	16,3	30
88,9-Rp 2"-88,9	1	3	523100881088	243	89,5	61	25,7	65
108-Rp 3/4"-108	1	2	52310010805108	310	89,5	76	16,3	30
108-Rp 2"-108	1	2	52310010810108	310	101	76	25,7	65

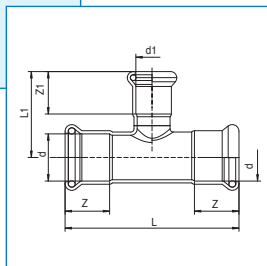
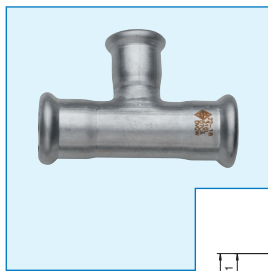


Art. 523200

- Tee.
- Equal Tee.
- Tee egal.
- T-Stück.
- Tee.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	L1	Z
15	10	150	52320015	68	35	19
18	10	150	52320018	69,5	39,5	19,5
22	5	90	52320022	82	44,5	21
28	5	50	52320028	90	50,5	22
35	5	30	52320035	107	59,5	27
42	2	24	52320042	117	65	30
54	2	14	52320054	144,5	77	35
76,1	1	4	52320076	232	112	54
88,9	1	2	52320088	243	133,5	61
108	1	1	523200108	310	158	76

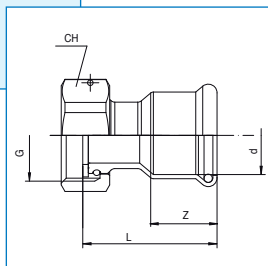


Art. 523300

- Tee ridotto.
- Reducing Tee.
- Tee réduit.
- T-Stück reduziert.
- Tee reducido.

LBP

d-d1-d	SAC.	MASTER BOX	CODICE CODE	L	L1	Z	Z1
18-15-18	10	160	523300181518	68	37,5	19,5	19
22-15-22	10	100	523300221522	82	40	21	19
22-18-22	10	120	523300221822	82	41,5	21	19,5
28-15-28	5	100	523300281528	90	43,5	22	19
28-18-28	5	70	523300281828	90	45,5	22	19,5
28-22-28	5	70	523300282228	90	48,5	22	21
35-15-35	5	50	523300351535	107	46	27	19
35-18-35	5	50	523300351835	107	48	27	19,5
35-22-35	5	40	523300352235	107	51	27	21
35-28-35	5	40	523300352835	107	52,5	27	22
42-15-42	2	24	523300421542	117	49,5	30	19
42-18-42	2	24	523300421842	117	51,5	30	19,5
42-22-42	2	30	523300422242	117	54,5	30	21
42-28-42	2	24	523300422842	117	56	30	22
42-35-42	2	24	523300423542	117	63	30	27
54-15-54	2	16	523300541554	144,5	55,5	35	19
54-18-54	2	16	523300541854	144,5	57,5	35	19,5
54-22-54	2	16	523300542254	144,5	60,5	35	21
54-28-54	2	16	523300542854	144,5	62	35	22
54-35-54	2	16	523300543554	144,5	70	35	27
54-42-54	2	16	523300544254	144,5	72	35	30
76,1-22-76,1	1	4	523300762276	232	71,5	54	21
76,1-28-76,1	1	4	523300762876	232	73	54	23
76,1-35-76,1	1	4	523300763576	232	80	54	27
76,1-42-76,1	1	4	523300764276	232	82	54	30
76,1-54-76,1	1	4	523300765476	232	88	54	35
88,9-22-88,9	1	3	523300882288	243	78	61	21
88,9-28-88,9	1	3	523300882888	243	79,5	61	23
88,9-35-88,9	1	3	523300883588	243	86,5	61	27
88,9-42-88,9	1	3	523300884288	243	88,5	61	30
88,9-54-88,9	1	3	523300885488	243	94,5	61	35
88,9-76,1-88,9	1	2	523300887688	243	118,5	61	54
108-22-108	1	2	52330010822108	310	87,5	76	21
108-28-108	1	2	52330010828108	310	89	76	23
108-35-108	1	2	52330010835108	310	96	76	27
108-42-108	1	2	52330010842108	310	98	76	30
108-54-108	1	2	52330010854108	310	104	76	35
108-76,1-108	1	1	52330010876108	310	128	76	54
108-88,9-108	1	1	52330010888108	310	140	76	61

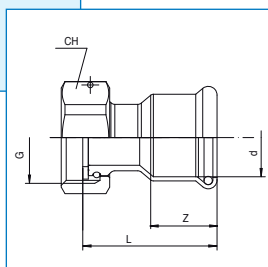


Art. 525000

- Raccordo con girello in ottone.
- Valve connector with a swivel nut in brass.
- Raccord avec ecrou en laiton.
- Fitting mit Überwurfmutter.
- Conexión con pivote en latón.

LBP

d-G	SAC.	MASTER BOX	CODICE CODE	CH	L	Z
15-G 3/4"	10	200	5250001505	30	31,5	19
18-G 3/4"	10	200	5250001805	30	31,5	19,5
22-G 3/4"	5	100	5250002205	30	43,5	21
22-G 1"	5	120	5250002206	37	29	21
28-G 1"	5	80	5250002806	37	48,5	22
28-G 1 1/4"	5	100	5250002807	47	34,5	22
35-G 1 1/4"	5	60	5250003507	47	56,5	27
35-G 1 1/2"	5	50	5250003508	52	38	27
42-G 1 1/2"	2	54	5250004208	52	61	30
42-G 1 3/4"	2	50	5250004209	60	40	30
54-G 2"	2	30	5250005410	64	71,5	35
54-G 2 3/8"	2	30	5250005411	75	46	35

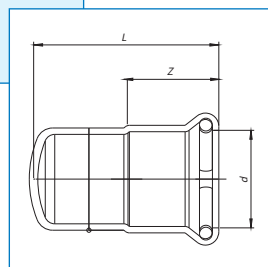


Art. 525001

- Raccordo con girello in inox.
- Valve connector with a swivel nut in inox.
- Raccord avec ecrou en inox.
- Fitting mit Edelstahl Überwurfmutter.
- Conexión con pivote en inox.

NEW
LBP

d-G	SAC.	MASTER BOX	CODICE CODE	CH	L	Z
15-G 3/4"	10	200	5250011505	30	31,5	19
18-G 3/4"	10	200	5250011805	30	31,5	19,5
22-G 1"	5	120	5250012206	37	29	21
28-G 1 1/4"	5	100	5250012807	47	34,5	22

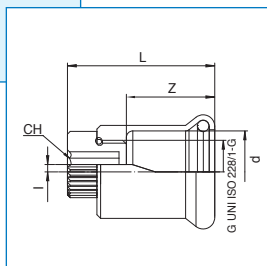


Art. 525300

- Tappo.
- Plug.
- Bouchon.
- Stopfen.
- Tapón.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	Z
15	5	250	52530015	33,5	19
18	5	250	52530018	38	19,5
22	5	200	52530022	42,5	21
28	5	200	52530028	46	22
35	5	150	52530035	53	27
42	2	150	52530042	58	30
54	2	50	52530054	66	35
76,1	1	24	52530076	98	54
88,9	1	18	52530088	112	61
108	1	6	525300108	131	76

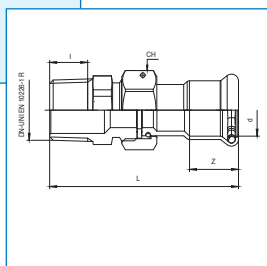
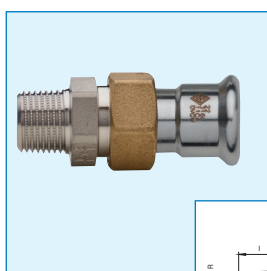


Art. 525310

- Tappo con sfogo aria.
- Plug with air vent.
- Bouchon de fuite.
- kappe mit entlüftung.
- Tapón con abertura por aire.

LBP

d	SAC.	MASTER BOX	CODICE CODE	CH	L	Z
15	5	500	52531015	6	34,5	19
18	5	400	52531018	6	34,5	19,5
22	5	300	52531022	6	36	21
28	5	200	52531028	6	38	22
35	5	150	52531035	6	42,5	27
42	2	60	52531042	6	45,5	30
54	2	60	52531054	6	50,5	35

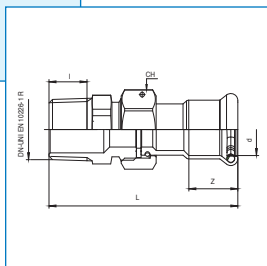
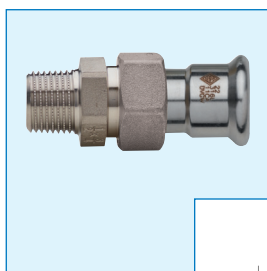


Art. 525400

- Bocchettone a sede piana filetto maschio.
- Flat seat joint with male thread.
- Joint à portée plate avec filetage male.
- Fitting Sitz Flachdichtung AG.
- Conducto a sede plana con rosca macho.

LBP

d-R	SAC.	MASTER BOX	CODICE CODE	CH	L	Z	I
15-R 1/2"	10	150	5254001504	30	68	19	15
15-R 3/4"	10	150	5254001505	30	69	19	16,3
18-R 1/2"	10	150	5254001804	30	68	19,5	15
18-R 3/4"	10	120	5254001805	30	69	19,5	16,3
22-R 1/2"	5	120	5254002204	30	80	21	15
22-R 3/4"	5	100	5254002205	30	81	21	16,3
22-R 1"	5	100	5254002206	30	85	21	19,1
28-R 1"	5	80	5254002806	37	90,5	22	19,1
35-R 1"1/4	5	40	5254003507	47	103,5	27	21,4
42-R 1"1/2	2	40	5254004208	52	108	30	21,4
54-R 2"	2	20	5254005410	65	128,5	35	25,7



Art. 527200

- Bocchettone a sede piana filetto maschio con girlo in acciaio inox.
- Socket union with flat steel, thread male with inox steel nut.
- Raccord trois pièces à siège plan, taraudée mâle avec écrou en acier inox.
- Durchgangverschraubung AG mit Flachdichtung und Edelstahl Überwurfmutter.
- Conducto a sede llana con rosca macho y arandela inox.

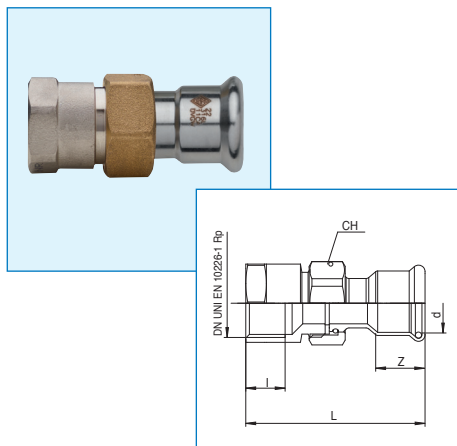
LBP

d-R	SAC.	MASTER BOX	CODICE CODE	CH	L	Z	I
15-R 1/2"	10	150	5272001504	30	68	19	15
22-R 3/4"	5	100	5272002205	38	68	21	16,3
28-R 1"	5	50	5272002806	46	82	22	19,1
35-R 1"1/4	5	40	5272003507	52	91	27	21,4
42-R 1"1/2	2	40	5272004208	60	91	30	21,4
54-R 2"	2	20	5272005410	76	105	35	25,7

Art. 525500

- Bocchettone a sede piana filetto femmina.
- Flat seat filler with female thread.
- Joint à portée plate avec filetage femelle.
- Fitting Sitz Flachdichtung IG.
- Conducto a sede plana con rosca hembra.

LBP

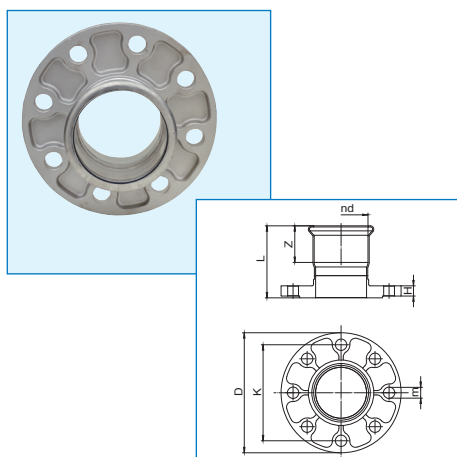


d-Rp	SAC.	MASTER BOX	CODICE CODE	CH	L	Z	I
15-Rp 1/2"	10	150	5255001504	30	62	19	15
15-Rp 3/4"	10	150	5255001505	30	65	19	16,3
18-Rp 1/2"	10	120	5255001804	30	62	19,5	15
18-Rp 3/4"	10	120	5255001805	30	65	19,5	16,3
22-Rp 3/4"	5	100	5255002205	30	77	21	16,3
22-Rp 1"	5	100	5255002206	30	84,5	21	19,1
28-Rp 1"	5	80	5255002806	37	87	22	19,1
35-Rp 1"1/4	5	40	5255003507	46	100	27	21,4
42-Rp 1"1/2	2	30	5255004208	52	105	30	21,4
54-Rp 2"	2	20	5255005410	64	124,5	35	25,7

Art. 525600

- Manicotto flangiato PN10/16.
- Flanged joint PN10/16.
- Joint avec bride PN10/16.
- Flanschadapter PN10/16.
- Manguito bridado PN10/16.

LBP

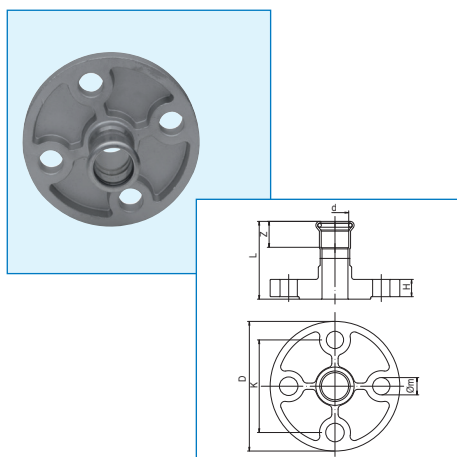


d	SAC.	MASTER BOX	CODICE CODE	D	L	H	m	k	Z	N° FORI
15	5	40	52560015	95	56,5	12	14	65	19	4
18	5	40	52560018	95	58,5	12	14	65	19,5	4
22	5	25	52560022	105	63,5	14	14	75	21	4
28	2	20	52560028	115	65	14	14	85	22	4
35	2	20	52560035	140	72	14	18	100	27	4
42	2	10	52560042	150	74	13	18	110	30	4
54	2	10	52560054	165	82	15	18	125	35	4
76,1	1	5	52560076	185	106	15	18	145	54	4
88,9	1	3	52560088	200	120	17	18	160	61	8
108	1	2	525600108	220	136	17	18	180	76	8

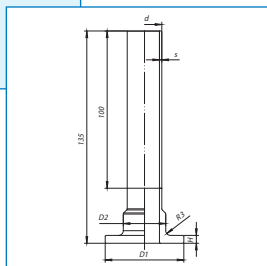
Art. 524600

- Manicotto flangiato PN6.
- Flanged joint PN6.
- Joint avec bride PN6.
- Flanschadapter PN6.
- Manguito bridado PN6.

LBP



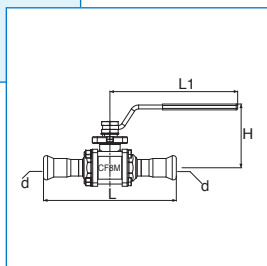
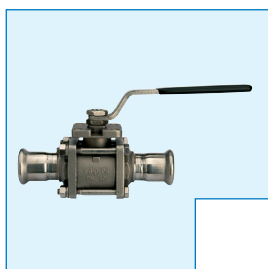
DN	d	SAC.	MASTER BOX	CODICE CODE	L	H	Z	D	K	m	N° FORI
10	15	5	40	52460015	54,5	10	19	80	55	11	4
15	18	5	40	52460018	56,5	10	19,5	80	55	11	4
20	22	5	40	52460022	61,5	12	21	90	65	11	4
25	28	2	20	52460028	63	12	22	100	75	11	4
32	35	2	40	52460035	70	12	27	120	90	14	4
40	42	2	30	52460042	72	12	30	130	100	14	4
50	54	2	20	52460054	78	12	35	140	110	14	4
65	76,1	1	5	52460076	102	12	54	160	130	14	4
80	88,9	1	3	52460088	116	14	61	190	150	18	4
100	108	1	2	524600108	132	14	76	210	170	18	4



Art. 525900

- Bocchello per flangia libera PN6-PN10/16.
- Collar for loose flanges PN6-PN10/16.
- Collier pour brides tournantes PN6-PN10/16.
- Flanschmuffe für losen Flansch PN6-PN10/16.
- Collar para bridas locas PN6-PN10/16.

d x D1	SAC.	MASTER BOX	CODICE CODE	PN	D2	H	s
22x50	2	52	5259002250	6	27,5	5	1
22x58	2	52	5259002258	10/16	27,5	5	1
28x60	2	36	5259002860	6	32,5	5	1,5
28x68	2	32	5259002868	10/16	32,5	5	1,5
35x70	2	28	5259003570	6	40,5	5	1,5
35x78	2	28	5259003578	10/16	40,5	5	1,5
42x80	2	20	5259004280	6	47	6	1,5
42x88	2	16	5259004288	10/16	47	6	1,5
54x90	2	16	5259005490	6	60	6	1,5
54x102	2	16	52590054102	10/16	60	6	1,5
76,1x110	2	4	52590076110	6	79	6	2
76,1x122	2	4	52590076122	10/16	79	6	2
88,9x128	2	4	52590088128	6	92	7	2
88,9x138	2	4	52590088138	10/16	92	7	2
108x148	2	4	525900108148	6	111,5	7	2
108x158	2	4	525900108158	10/16	111,5	7	2

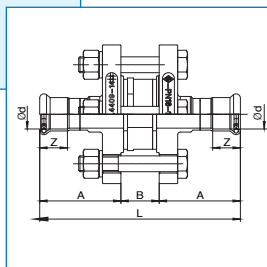
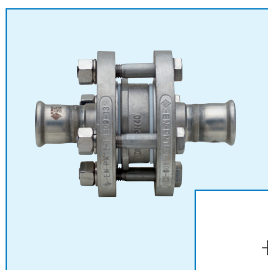


Art. 529000

- Valvola a sfera in 3 pezzi in acciaio inox AISI 316-CF8M.
- 3 piece ball valve in stainless steel AISI 316-CF8M.
- Robinet à boisseau sphérique en 3 pièces en acier inox AISI316-CF8M.
- 3-tlg. Edelstahlkugelhahn AISI316-CF8M.
- Válvula esfera en 3 piezas en acero inoxidable AISI 316-CF8M.

LBP

d	SAC.	MASTER BOX	CODICE CODE	L	H	L1
15	6	24	52900015	116	64	131
18	6	24	52900018	137	68,5	131
22	6	24	52900022	156	78	174
28	2	4	52900028	184	82,5	174
35	2	4	52900035	198	100	250,5
42	2	2	52900042	230	107	250,5
54	2	2	52900054	295	126	321
76,1	1	-	52900076	346	137,5	321
88,9	1	-	52900088	415	156,5	381,5
108	1	-	52900108	385	156,5	381,5

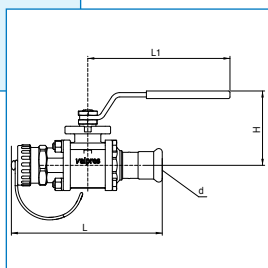
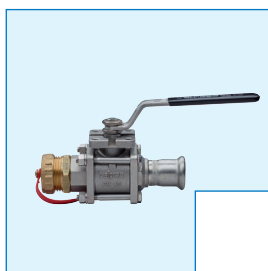


Art. 529100

- Valvola di ritegno a piattello.
- Disco check valve.
- Clapet anti retour à disco.
- Disco-Rückschlagventil.
- Valvula de retencion a disco.

LBP

d	SAC.	MASTER BOX	CODICE CODE	Z	A	B	L
15	1	8	52910015	19	52,5	26	131
18	-	-	52910018	-	-	-	-
22	1	6	52910022	21	57,5	29	144
28	1	6	52910028	22	59	32	150
35	1	4	52910035	27	68	38	174
42	1	4	52910042	30	70	42	182
54	1	2	52910054	35	78	50	206
76,1	1	1	52910076	54	102	56	260
88,9	1	1	52910088	61	116	60	292
108	1	1	529100108	76	134	70	338

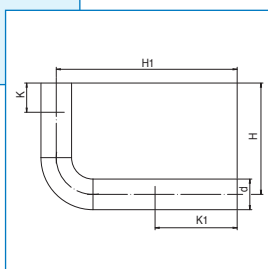
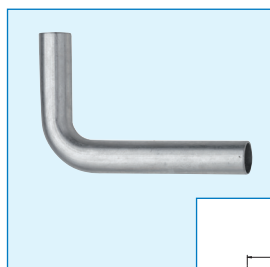


Art. 529200

- Valvola a sfera con attacco manichetta.
- Hose connection ball valve.
- Robinet a boisseay sphérique connexion tuyau.
- Kugelhahn mit Schlauchanschluss.
- Valvula esfera con conexion manguera.

LBP

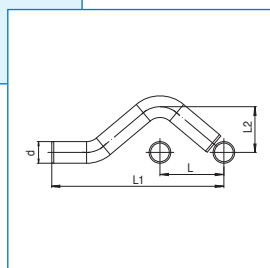
d	SAC.	MASTER BOX	CODICE CODE	L1	L	H
22	6	24	52920022	131	139	68,5



Art. 526000

- Tubo curvo 90°.
- 90° elbow with plain ends.
- Tube coude 90°.
- Passbogen 90°.
- Tubo curvo a 90°.

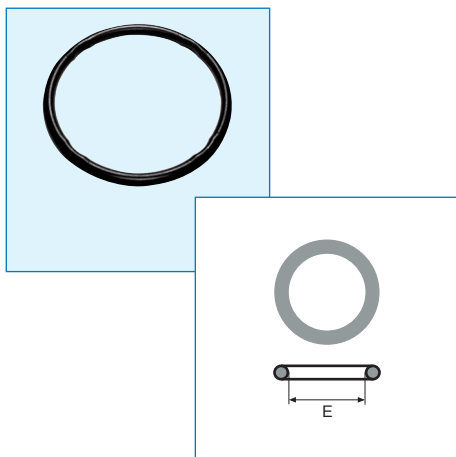
d	SAC.	MASTER BOX	CODICE CODE	H1	H	K	K1
15	5	150	52600015	120	70	20	72
18	5	100	52600018	120	70	20	67
22	5	75	52600022	125	85	21	59
28	5	60	52600028	125	97	23	47
35	5	50	52600035	200	120	27	110
42	2	20	52600042	250	150	30	144
54	2	8	52600054	300	200	35	165



Art. 526700

- Scavalcamento corto.
- Pre-formed pipebridge.
- Clarinette.
- Sprungbogen.
- Tubo puente corto.

d	SAC.	MASTER BOX	CODICE CODE	L1	L2	L
15	5	125	52670015	145	42	57
18	5	100	52670018	162	44	60
22	5	75	52670022	175	46	65
28	5	50	52670028	226	52	74

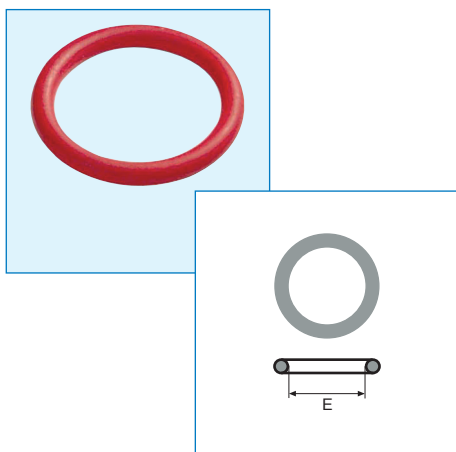


Art. 51RI01•

- O-ring in EPDM per acqua potabile.
- O-ring in EPDM for drinkable water.
- O-ring en EPDM pour eau potable.
- EPDM O-ring für Trinkwasser.
- O-ring en EPDM por agua potable.

LBP

Ø tubo-E	SAC.	MASTER BOX	CODICE CODE
15	20	1000	51RI0115
18	20	1000	51RI0118
22	20	1000	51RI0122
28	20	1000	51RI0128
35	20	1000	51RI0135
42	20	1000	51RI0142
54	20	1000	51RI0154
76,1	1	50	51RI0176
88,9	1	50	51RI0188
108	1	50	51RI01108

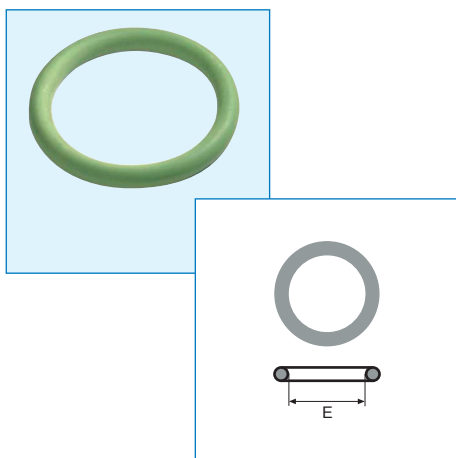


Art. 51RI02•

- O-ring in NBR (rosso) per olii minerali*.
- O-ring in NBR (red) for mineral oils*.
- O-ring en NBR (rouge) pour huile mineral*.
- NBR O-ring für Mineral Öle*.
- O-ring en NBR (rojo) por aceites minerales*.

Ø tubo-E	SAC.	MASTER BOX	CODICE CODE
15	20	1000	51RI0215
18	20	1000	51RI0218
22	20	1000	51RI0222
28	20	1000	51RI0228
35	20	1000	51RI0235
42	20	1000	51RI0242
54	20	1000	51RI0254
76,1	1	50	51RI0276
88,9	1	50	51RI0288
108	1	50	51RI02108

* Preghiamo di contattarci prima di inviare ordini.
* Please contact us before sending orders.



Art. 51RI03•

- O-ring in FKM (verde) per olii, idrocarburi* e pannelli solari.
- O-ring in FKM (green) for oils, hydrocarbons* and solar panles.
- O-ring en FKM (vert) pour huile, hydrocarbures* et panneau solaire.
- O-ring in FKM (grün) für Öle, Kohlenwasserstoffe* und Solaranlagen.
- O-ring en FKM por aceites, hidrocarburos* y paneles solares.

Ø tubo-E	SAC.	MASTER BOX	CODICE CODE
15	20	1000	51RI0315
18	20	1000	51RI0318
22	20	1000	51RI0322
28	20	1000	51RI0328
35	20	1000	51RI0335
42	20	1000	51RI0342
54	20	1000	51RI0354
76,1	1	50	51RI0376
88,9	1	50	51RI0388
108	1	50	51RI03108

* Preghiamo di contattarci prima di inviare ordini.
* Please contact us before sending orders.