

PVC FITTINGS CATALOGUE

MASTER <

Box type	Dimensions
B	60x30x40 cm
C	40x30x30 cm

> PVC PRESSURE FITTINGS - GENERAL CHARACTERISTICS

DESCRIPTION

PVC (polyvinyl chloride) fittings for use in pressurised Irrigation Systems, water adduction, chemical installations and for water treatment in general.

RANGE

Metric series from D 12 mm to D 315 mm
Threaded series from R 3/8" to R 4"
Transition series from D 16x3/8" to D 110x4"

COMPLIANCE WITH STANDARDS

Metric series with ISO 727, EN 1452, Kiwa 54; threaded and transition series with ISO R7, ISO UNI 228/1, BS 21, DIN 2999.

RESISTANCE TO PRESSURE AT 20° C

Metric series PN 16 up to D 160 mm, PN 10 from D 180 to D 315; threaded and transition series PN 16.

MATERIALS

Fittings in U-PVC, gaskets in EPDM, reinforcing rings (TM3, GM3, MM3, RM3) in stainless steel AISI 430.

Astore PVC fittings have been approved by IIP (Istituto Italiano dei Plastici - Italy) with certificate N° 280 and by WRC (Water Research Council - UK) with certificate WBS N° 9902025. Astore is an ISO 9001 certified company, certificate N° 354. Astore is member of Irrigation Association (IA).

> RACCORDI IN PVC RIGIDO - CARATTERISTICHE GENERALI

DESCRIZIONE

Raccordi in PVC (polivinile di cloruro) per utilizzo in condotte in pressione per impianti irrigui, acquedottistica, impianti chimici e per trattamento acque in generale.

GAMMA

Serie metrica da D 12 mm a D 315 mm
Serie filettata da R 3/8" a R 4"
Serie di passaggio da D 16x3/8" a D 110x4"

RIFERIMENTI NORMATIVI

Serie metrica secondo ISO 727, EN 1452, Kiwa 54; serie filettata e di passaggio secondo ISO R7, ISO UNI 228/1, BS 21, DIN 2999.

RESISTENZA ALLA PRESSIONE A 20° C

Serie metrica PN 16 fino a D 160, da D 180 fino a D 315 PN 10; serie filettata e di passaggio PN 16.

MATERIALI

Raccordi in PVC non plastificato, guarnizioni in EPDM, anelli di rinforzo (TM3, GM3, MM3, RM3) in acciaio inox AISI 430.

I raccordi in PVC Astore sono approvati da IIP (Istituto Italiano dei Plastici) con certificato N° 280, e da WRC (Water Research Council - UK) con certificato WBS N° 9902025. Astore è un'azienda accreditata di certificato ISO 9001 N° 354. Astore è membro dell'Irrigation Association (IA).

> PVC DRUCKFITTINGS - ALLGEMEINE EIGENSCHAFTEN

BESCHREIBUNG

Anschlüsse aus PVC (Polyvinylchlorid) zur Verwendung in Druckleitungen für Bewässerung-Systemen, Trinkwasser, chemische Anlagen und allgemein für Wasserbehandlung.

PRODUKTPALETTE

Metrische Reihe Klebefittings von D 12 mm bis D 315 mm
Gewindefittings Reihe von R 3/8" bis R 4"
Übergangsfittings von D 16x3/8" bis D 110x4"

NORMVORSCHRIFTEN

Metrische Reihe Klebefittings nach ISO 727, EN 1452, Kiwa 54; serie Gewindefittings und Übergangsfittings nach ISO R7, ISO UNI 228/1, BS 21, DIN 2999.

WIDERSTAND ZUM DRUCK BEI 20° C

Metrische Reihe Klebefittings PN 16 bis Durchmesser D 160 mm und PN 10 bis Durchmesser D 315 mm, Gewinde und Übergangsserie PN 16.

MATERIALIEN

Nicht plastifizierte Anschlüsse aus PVC, Dichtungen aus EPDM, Verstärkungsring (TM3, GM3, MM3, RM3) aus AISI 430.

Die Astore-Anschlüsse aus PVC sind vom IIP (Italienisches Institut für Kunststoffe - Italien), Zertifikat Nr. 280 zugelassen worden; außerdem haben sie eine Zulassung vom WRC (Water Research Council - UK), Zertifikat WBS Nr. 9902025 gehabt. Astore ist eine ISO 9001 zugelassene Firma (Zertifikat Nr. 354). Astore ist Mitglied der Bewässerungsvereinigung (IA).

> RACCORDS EN PVC RIGIDE - CARACTÉRISTIQUES GÉNÉRALES

DESCRIPTION

Raccords en PVC (polyvinyle de chlorure) pour canalisations sous pression, pour l'installations y l'adduction d'eau potable, l'irrigation, pour les industries chimiques, pour les piscines et le traitement des eaux en général.

GAMME

Série métrique de D 12 mm à D 315 mm
Série fileté de R 3/8" à R 4"
Série mixte de D 16x3/8" à D 110x4".

NORMES DE RÉFÉRENCE

Série métrique conforme à ISO 727, EN 1452, Kiwa 54; série fileté et mixte conforme à ISO R7, ISO UNI 228/1, BS 21, DIN 2999.

RÉSISTANCE À LA PRESSION A 20° C

Série métrique PN 16 jusqu'à D 160 mm, de D 180 jusqu'à D 315 PN 10; série fileté et mixte PN 16.

MATÉRIAUX

Raccords en PVC non plastifié, joints d'étanchéité en EPDM, anneau de renfort (TM3, GM3, MM3, RM3) en acier inox AISI 430.

Les raccords en PVC Astore sont approuvés par l'IIP (Institut Italien des Plastiques - Italie) avec le certificat N° 280 et par le WRC (Water Research Council - UK) avec le certificat WBS N° 9902025. Astore est certifiée ISO 9001 (certificat N° 354). Astore fait parte de l'Association d'Irrigation (IA).

> ACCESORIOS EN PVC PRESIÓN - CARACTERISTICAS GENERALES

DESCRIPCIÓN

Accesorios de PVC (cloruro de polivinilo) para uso en conductos presurizados, instalaciones de riego, agua potable, instalaciones químicas tratamiento de agua en general.

GAMA

Serie métrica de D 12 mm a D 315 mm
Serie roscada de R 3/8" a R 4"
Serie mixta de D 16x3/8" a D 110x4".

NORMAS DE REFERENCIA

Serie métrica según la norma ISO 727, EN 1452, Kiwa 54; serie roscada y mixta según la norma ISO R7, ISO UNI 228/1, BS 21, DIN 2999.

RESISTENCIA A LA PRESIÓN A 20° C

Serie métrica de D 12 a D 160 PN 16, de D 180 a D 315 PN 10; serie roscada y mixta PN 16.

MATERIALES

Accesorios en PVC rígido, juntas en EPDM, anillo de refuerzo (TM3, GM3, MM3, RM3) en acero AISI 430.

Los accesorios de PVC Astore han sido aprobados por el IIP (Istituto Italiano de los Plasticos) con el certificado N° 280 y por WRC (Water Research Council - UK) con el certificado WBS N° 9902025. Astore ha recibido el certificado ISO 9001 N° 354. Astore es miembro de la Asociación de Irrigación (IA).

> COMPANY APPROVAL

L'Istituto Italiano dei Plastici (IIP) ha ufficialmente attestato la conformità del sistema di qualità di "A.V.F. Astore Valves and Fittings srl" alla norma UNI EN ISO 9001 per l'attività di stampaggio ad iniezione di raccordi e parti di valvole in materiali termoplastici e assemblaggio di valvole.

Questo riconoscimento è per A.V.F. il coronamento di una politica aziendale volta ad integrare struttura organizzativa, risorse, responsabilità, processi e controlli per il raggiungimento di uno standard qualitativo generale, idoneo a soddisfare con continuità le esigenze dell'utilizzatore.

Per A.V.F. la Certificazione ISO 9001 è l'impegno ad operare costantemente al meglio del proprio know how, per la clientela è la sicurezza di poter contare su prodotti sempre affidabili, ed è il passaporto per entrare in segmenti di mercato dove questo riconoscimento è vincolante per stabilire relazioni commerciali improntate sulla qualità.

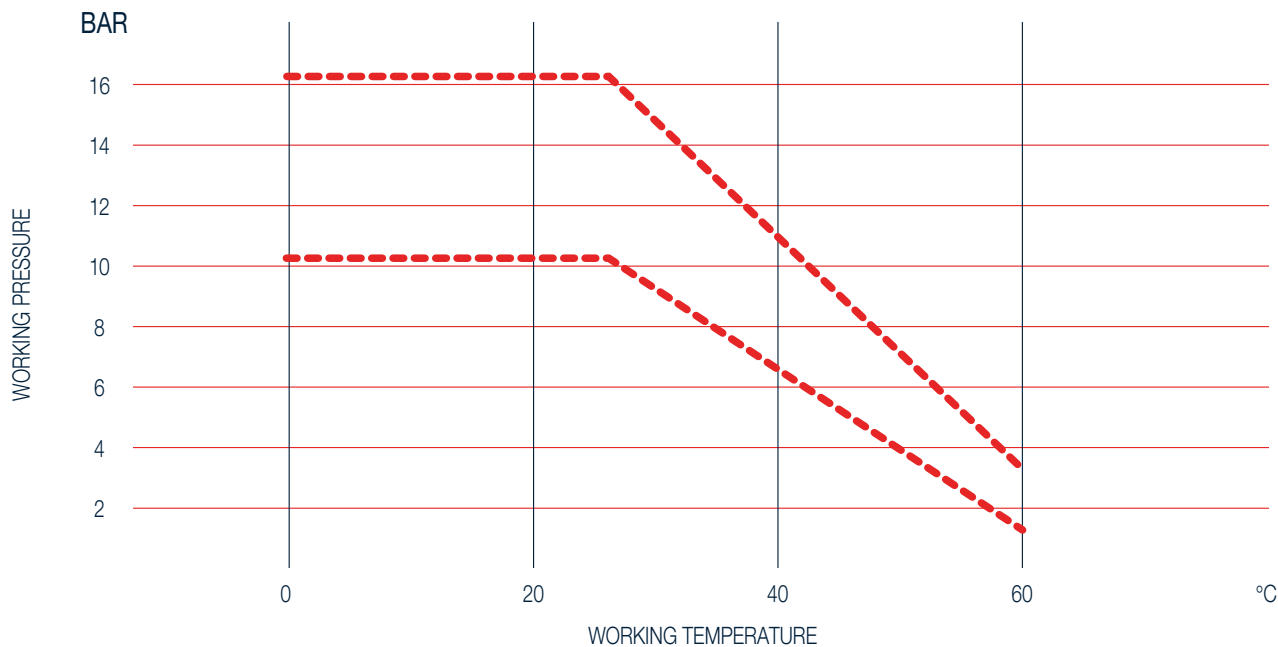
Italian Institute of Plastics (IIP) has officially attested the conformity of Astore production system to norm UNI EN ISO 9001 (certificate N° 354). This acknowledgment identifies the company business policy turned to integrate organisational structure, resources, responsibilities, processes and controls for the maintenance of a general suitable quality standard and satisfy the demands of the market. The range, the reliability and the service of Astore are recognized all over the world.



ISTITUTO ITALIANO DEI PLASTICI

CERTIFICATO n. 354
CERTIFICATE no. 354
UNI EN ISO 9001

> PVC TECHNICAL CHARACTERISTICS



> PRODUCT APPROVAL

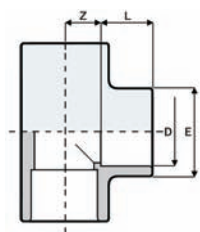
UNI iip 280		Licenziataria del marchio per raccordi di PVC UNI EN 1452 (vedi notiziario I.I.P.)	Identification No. Inscription No. Markregistrierung No. Iscrizione No. 280
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Articolo/Article Artile/Article	D. mm.	PN/NP PN/PN
TI1	20 ÷ 110	PN16
GO1	20 ÷ 110	PN16
GY1	20 ÷ 110	PN16
MA1	20 ÷ 110	PN16
CA1	20 ÷ 110	PN16
CU1	20 ÷ 110	PN16
RC1	25x20 ÷ 110x90	PN16



> T11

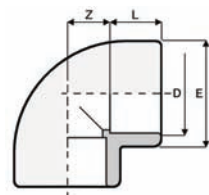
TEE 90° TI A 90° T 90° TE A 90° TE 90°



D	L	Z	E	Gr.	Ref.	Box	Master
16	14	9	23	13	1R.T11.160.00	700	C
20	16	11	28	35	1R.T11.200.00	400	C
25	19	14	34	50	1R.T11.250.00	220	C
32	22	17	42	70	1R.T11.320.00	130	C
40	26	21	51	120	1R.T11.400.00	70	C
50	31	26	61	185	1R.T11.500.00	80	B
63	38	33	75	305	1R.T11.630.00	45	B
75	44	39	89	505	1R.T11.750.00	30	B
90	51	47	106	795	1R.T11.900.00	18	B
110	61	57	129	1415	1R.T11.110.00	10	B
125	69	66	146	2020	1R.T11.130.00	6	B
140	76	72	163	2740	1R.T11.150.00	4	B
160	86	82	186	3855	1R.T11.170.00	3	B
180	96	94	215	6180	1R.T11.180.00	3	B
200	106	102	230	6960	1R.T11.210.00	1	B
225	119	115	258	9600	1R.T11.230.00	1	B
250	131	128	286	13250	1R.T11.260.00	-	-
280	146	144	319	17840	1R.T11.280.00	-	-
315	164	162	360	25300	1R.T11.330.00	-	-

> GO1

ELBOW 90° GOMITO A 90° WINKEL 90° COUDE A 90° CODO 90°

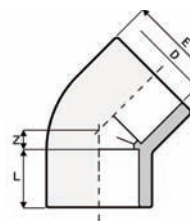


D	L	Z	E	Gr.	Ref.	Box	Master
16	14	9	23	14	1R.GO1.160.00	1100	C
20	16	11	28	25	1R.GO1.200.00	600	C
25	19	14	34	35	1R.GO1.250.00	350	C
32	22	17	39	38	1R.GO1.320.00	200	C
40	26	21	51	95	1R.GO1.400.00	100	C
50	31	26	59	114	1R.GO1.500.00	60	C
63	38	33	75	230	1R.GO1.630.00	60	B
75	44	39	89	385	1R.GO1.750.00	40	B
90	51	47	106	600	1R.GO1.900.00	25	B
110	61	57	129	1020	1R.GO1.110.00	14	B
125	69	66	146	1385	1R.GO1.130.00	8	B
140	76	72	163	2125	1R.GO1.150.00	6	B
160	86	82	186	2920	1R.GO1.170.00	4	B
180	96	94	215	5200	1R.GO1.180.00	4	B
200	106	102	230	5400	1R.GO1.210.00	2	B
225	119	115	258	7550	1R.GO1.230.00	1	B
250	131	188	287	12480	1R.GO1.260.00	-	-
280	147	210	325	17000	1R.GO1.280.00	-	-
315	164	236	359	23370	1R.GO1.330.00	-	-

GY1 <

ELBOW 45° GOMITO A 45° WINKEL 45° COUDE A 45° CODO 45°

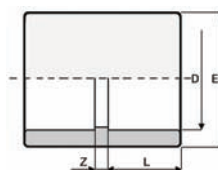
D	L	Z	E	Gr.	Ref.	Box	Master
16	14	5	23	20	1R.GY1.160.00	1000	C
20	16	5	28	20	1R.GY1.200.00	600	C
25	19	6	34	25	1R.GY1.250.00	400	C
32	22	8	42	45	1R.GY1.320.00	200	C
40	26	10	51	75	1R.GY1.400.00	130	C
50	31	12	61	110	1R.GY1.500.00	150	B
63	38	14	75	230	1R.GY1.630.00	90	B
75	44	17	89	300	1R.GY1.750.00	50	B
90	51	20	106	420	1R.GY1.900.00	25	B
110	61	24	129	835	1R.GY1.110.00	16	B
125	69	27	145	1085	1R.GY1.130.00	12	B
140	76	31	163	1620	1R.GY1.150.00	6	B
160	86	35	186	2265	1R.GY1.170.00	5	B
200	108	48	230	4500	1R.GY1.210.00	2	B
225	121	55	260	6400	1R.GY1.230.00	2	B
250	131	58	286	7700	1R.GY1.260.00	-	-
280	146	62	320	10460	1R.GY1.280.00	-	-
315	164	66	359	15500	1R.GY1.330.00	-	-



MA1 <

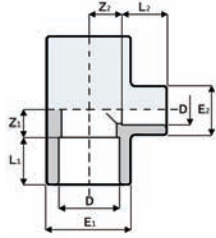
SOCKET MANICOTTO MUFFEN MANCHON MANGUITO

D	L	Z	E	Gr.	Ref.	Box	Master
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20	16	3	28	15	1R.MA1.200.00	900	C
25	19	3	34	20	1R.MA1.250.00	500	C
32	22	3	42	30	1R.MA1.320.00	300	C
40	26	3	51	60	1R.MA1.400.00	150	C
50	31	3	58	64	1R.MA1.500.00	100	C
63	38	3	75	140	1R.MA1.630.00	50	C
75	44	4	89	215	1R.MA1.750.00	70	B
90	51	20	106	355	1R.MA1.900.00	40	B
110	61	5	129	605	1R.MA1.110.00	25	B
125	69	67	145	935	1R.MA1.130.00	20	B
140	76	8	162	1230	1R.MA1.150.00	10	B
160	86	8	182	1380	1R.MA1.170.00	6	B
200	106	12	231	3810	1R.MA1.210.00	3	B
225	119	11	262	4755	1R.MA1.230.00	2	B
250	131	10	286	5760	1R.MA1.260.00	-	-
280	146	10	320	7630	1R.MA1.280.00	-	-
315	164	12	355	9780	1R.MA1.330.00	-	-



> TR1

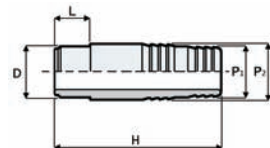
REDUCING TEE **TI RIDOTTO** T REDUZIERT **TE REDUIT** TE REDUCIDA



DxD	L1	L2	Z1	Z2	E1	E2	Gr.	Ref.	Box	Master
20x16	16	14	11	11	28	23	30	1R.TR1.20A.00	400	C
25x16	19	14	14	14	34	23	45	1R.TR1.25A.00	250	C
25x20	19	16	14	14	34	28	45	1R.TR1.25B.00	250	C
32x16	22	14	17	17	42	23	65	1R.TR1.32A.00	150	C
32x20	22	16	17	17	42	28	65	1R.TR1.32B.00	150	C
32x25	22	19	17	17	42	34	65	1R.TR1.32C.00	150	C
40x16	26	14	21	21	51	23	105	1R.TR1.40A.00	70	C
40x20	26	16	21	21	51	28	110	1R.TR1.40B.00	70	C
40x25	26	19	21	21	51	34	110	1R.TR1.40C.00	70	C
40x32	26	22	21	21	51	42	110	1R.TR1.40D.00	70	C
50x20	31	16	26	26	61	28	170	1R.TR1.50B.00	90	B
50x25	31	19	26	26	61	34	170	1R.TR1.50C.00	90	B
50x32	31	22	26	26	61	42	170	1R.TR1.50D.00	90	B
50x40	31	26	26	26	61	51	170	1R.TR1.50E.00	90	B
63x20	38	16	33	33	75	28	275	1R.TR1.63B.00	60	B
63x25	38	19	33	33	75	34	275	1R.TR1.63C.00	60	B
63x32	38	22	33	33	75	42	275	1R.TR1.63D.00	50	B
63x40	38	26	33	33	75	51	280	1R.TR1.63E.00	50	B
63x50	38	31	33	33	75	61	280	1R.TR1.63F.00	50	B
75x32	44	22	39	39	89	42	455	1R.TR1.75D.00	35	B
75x40	44	26	39	39	89	51	455	1R.TR1.75E.00	30	B
75x50	44	31	39	39	89	61	460	1R.TR1.75F.00	30	B
75x63	44	38	39	39	89	75	470	1R.TR1.75G.00	30	B
90x40	51	26	47	47	106	51	715	1R.TR1.90E.00	20	B
90x50	51	31	47	47	106	61	720	1R.TR1.90F.00	20	B
90x63	51	38	47	47	106	75	725	1R.TR1.90G.00	20	B
90x75	51	44	47	47	106	89	750	1R.TR1.90H.00	20	B
110x50	61	31	57	57	129	61	1250	1R.TR1.11F.00	12	B
110x63	61	38	57	57	129	75	1303	1R.TR1.11G.00	12	B
110x75	61	44	57	57	129	89	1270	1R.TR1.11H.00	10	B
110x90	61	51	57	57	129	106	1315	1R.TR1.11I.00	10	B
160x110	86	61	82	57	187	131	3540	1R.TR1.17L.00	3	B

> PO1

HOSE ADAPTOR **PORTAGOMMA** DRUCKSCHLAUCHTULLE **DOUILLE** ESPIGA

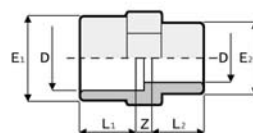


DxP2xP1	L	H	Gr.	Ref.	Box
16x18x16	14	60	12	1R.PO1.160.00	400
20x22x20	16	67	17	1R.PO1.200.00	250
25x27x25	19	81	26	1R.PO1.250.00	100
32x32x30	22	97	40	1R.PO1.320.00	100
40x42x40	26	104	78	1R.PO1.400.00	100
50x52x50	31	111	113	1R.PO1.500.00	40
63x64x60	38	123	170	1R.PO1.630.00	40

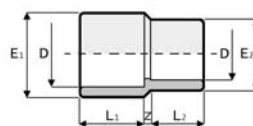
MR1 <

REDUCING SOCKET MANICOTTO RIDOTTO MUFFEN REDUZIERT MANCHON REDUIT MANGUITO REDUCIDO

DxD	L1	L2	Z	E1	E2	Fig.	Gr.	Ref.	Box	Master
20x16	16	14	6	28	23	B	10	1R.MR1.20A.00	1000	C
25x20	19	16	6	34	28	B	13	1R.MR1.25B.00	500	C
32x25	22	19	6	42	34	B	37	1R.MR1.32C.00	300	C
40x32	26	22	6	51	42	B	55	1R.MR1.40D.00	150	C
50x40	31	26	6	61	51	B	80	1R.MR1.50E.00	100	C
63x50	38	31	6	75	61	B	130	1R.MR1.63F.00	90	C
75x63	44	38	4	89	75	A	210	1R.MR1.75G.00	80	B
90x75	51	44	5	106	89	A	370	1R.MR1.90H.00	50	B
110x90	61	51	6	129	106	A	528	1R.MR1.11I.00	35	B
125x110	69	61	24	145	129	B	809	1R.MR1.13L.00	16	B
140x110	76	61	25	160	129	B	1166	1R.MR1.15L.00	15	B



> Fig. A



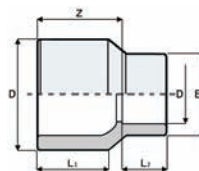
> Fig. B



RL1 <

REDUCING SOCKET MALE/FEMALE RIDUZIONE MASCHIO/FEMMINA REDUKTION KLEBESTUTZEN UND KLEBEMUFFE
REDUCTION MALE/FEMELLE REDUCCION MACHO/HEMBRA

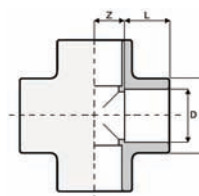
DxD	L1	L2	Z	E	Gr.	Ref.	Box	Master
140x110	76	61	92	129	809	1R.RL1.15L.00	16	B
160x110	86	61	100	129	1166	1R.RL1.17L.00	15	B



CR1 <

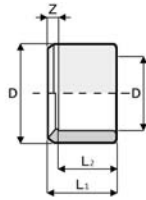
CROSS CROCE KREUZ CROIX CRUZ

D	L	Z	E	Gr.	Ref.	Box	Master
25	19	14	35	60	1R.CR1.250.00	40	—
32	22	18	43	105	1R.CR1.320.00	50	—
40	26	23	52	175	1R.CR1.400.00	40	C
50	31	27	64	265	1R.CR1.500.00	20	C
63	38	33,5	79	505	1R.CR1.630.00	12	C

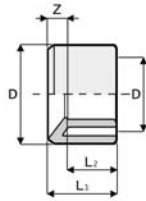


> RC1

REDUCING BUSH RIDUZIONE A BUSSOLA REDUKTION REDUCTION SIMPLE CASQUILLO REDUCCION



> Fig. A



> Fig. B

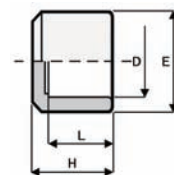
DxD	L1	L2	Z	Fig.	Gr.	Ref.	Box	Master
20x16	16	14	2	A	5	1R.RC1.20A.00	4000	C
25x16	19	14	5	B	10	1R.RC1.25A.00	2200	C
25x20	19	16	3	A	5	1R.RC1.25B.00	2200	C
32x16	22	14	8	B	15	1R.RC1.32A.00	1100	C
32x20	22	16	6	B	18	1R.RC1.32B.00	1100	C
32x25	22	19	3	A	10	1R.RC1.32C.00	1100	C
40x20	26	16	10	B	25	1R.RC1.40B.00	600	C
40x25	26	19	7	B	32	1R.RC1.40C.00	600	C
40x32	26	22	4	A	15	1R.RC1.40D.00	600	C
50x20	31	16	15	B	50	1R.RC1.50B.00	300	C
50x25	31	19	12	B	45	1R.RC1.50C.00	300	C
50x32	31	22	9	B	44	1R.RC1.50D.00	300	C
50x40	31	26	5	A	31	1R.RC1.50E.00	300	C
63x32	38	22	16	B	80	1R.RC1.63D.00	150	C
63x40	38	26	12	B	80	1R.RC1.63E.00	150	C
63x50	38	31	7	A	65	1R.RC1.63F.00	150	C
75x40	44	26	18	B	120	1R.RC1.75E.00	100	C
75x50	44	31	13	B	120	1R.RC1.75F.00	100	C
75x63	44	38	6	A	85	1R.RC1.75G.00	100	C
90x50	51	31	20	B	220	1R.RC1.90F.00	60	C
90x63	51	38	13	B	205	1R.RC1.90G.00	60	C
90x75	51	44	7	A	150	1R.RC1.90H.00	60	C
110x63	61	38	23	B	375	1R.RC1.11G.00	30	C
110x75	61	44	17	B	380	1R.RC1.11H.00	30	C
110x90	61	51	9	A	280	1R.RC1.11I.00	30	C
125x75	69	44	25	B	440	1R.RC1.13H.00	24	C
125x90	69	51	18	B	455	1R.RC1.13I.00	24	C
125x110	69	61	8	A	300	1R.RC1.13L.00	24	C
140x90	76	51	25	B	315	1R.RC1.15I.00	30	B
140x110	76	61	15	B	460	1R.RC1.15L.00	30	B
140x125	76	69	7	B	330	1R.RC1.15M.00	30	B
160x90	86	51	35	B	1040	1R.RC1.17I.00	9	C
160x110	86	61	25	A	795	1R.RC1.17L.00	20	B
160x125	86	69	17	B	715	1R.RC1.17M.00	20	B
160x140	86	76	10	B	710	1R.RC1.17N.00	20	B
200x160	106	76	30	A	2020	1R.RC1.21O.00	10	B
225x160	119	86	33	B	1840	1R.RC1.23O.00	6	B
225x200	119	106	13	A	1196	1R.RC1.23P.00	7	B
250x160	132	86	45	B	3100	1R.RC1.26O.00	-	-
250x200	132	106	25	A	3500	1R.RC1.26P.00	-	-
250x225	132	119	12	A	2100	1R.RC1.26Q.00	-	-
280x225	147	119	27	B	4300	1R.RC1.28Q.00	-	-
315x200	165	106	58	B	8650	1R.RC1.33P.00	-	-
315x225	165	119	45	B	8100	1R.RC1.33Q.00	-	-
315x250	165	131	33	B	5080	1R.RC1.33R.00	-	-
315x280	165	146	18	A	4590	1R.RC1.33S.00	-	-

CA1 <

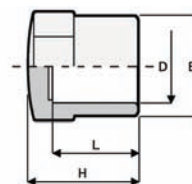
CAP CALOTTA KAPPE BOUCHON TAPON

D	L	H	E	Fig.	Gr.	Ref.	Box	Master
16	14	22	23	B	49	1R.CA1.160.00	2000	C
20	16	24	28	A	49	1R.CA1.200.00	1200	C
25	19	27	34	A	49	1R.CA1.250.00	800	C
32	22	30	42	A	33	1R.CA1.320.00	400	C
40	26	35	51	A	50	1R.CA1.400.00	250	C
50	31	40	61	A	70	1R.CA1.500.00	150	C
63	38	48	75	A	115	1R.CA1.630.00	90	C
75	44	59	89	B	228	1R.CA1.750.00	50	C
90	51	67	106	B	349	1R.CA1.900.00	30	C
110	61	77	129	B	530	1R.CA1.110.00	20	C
125	69	98	145	A	660	1R.CA1.130.00	30	B
140	76	108	162	A	860	1R.CA1.150.00	20	B
160	86	123	182	A	1080	1R.CA1.170.00	13	B
225	119	163	260	A	3000	1R.CA1.230.00	4	C

> Fig. A



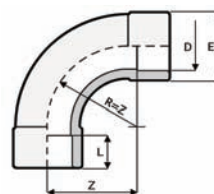
> Fig. B



CU1 <

BEND 90° CURVA A 90° BOGEN 90° COURBE A 90° CURVAS 90°

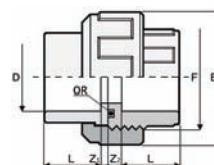
D	L	Z	E	Gr.	Ref.	Box	Master
20	16	40	28	45	1R.CU1.200.00	300	C
25	19	50	36	75	1R.CU1.250.00	150	C
32	22	64	41	120	1R.CU1.320.00	90	C
40	26	80	51	205	1R.CU1.400.00	100	B
50	31	100	65	310	1R.CU1.500.00	50	B
63	38	126	77	510	1R.CU1.630.00	25	B
75	44	150	94	995	1R.CU1.750.00	15	B
90	51	180	113	1765	1R.CU1.900.00	8	B
110	61	220	137	2805	1R.CU1.110.00	5	B
160	86	207	189	5020	1R.CU1.170.00	4	-



BO1 <

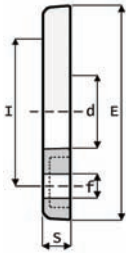
UNION WITH O-RING BOCCHETTONE CON O-RING VERSCHRAUBUNG MIT O-RING UNION AVEC O-RING ENLACE 3 PIEZAS CON O-RING

D	L	Z1	Z2	F	E	O-R	Gr.	Pn	Ref.	Box	Master
16	11	3	10	3/4"	31	3062	30	16	1R.BO1.160.00	700	C
20	16	3	10	1"	42	4081	42	16	1R.BO1.200.00	350	C
25	19	3	10	1 1/4"	52	4112	70	16	1R.BO1.250.00	200	C
32	22	3	10	1 1/2"	59	4131	97	16	1R.BO1.320.00	140	C
40	26	3	12	2"	72	6162	156	16	1R.BO1.400.00	80	C
50	31	3	14	2 1/4"	79	6187	216	16	1R.BO1.500.00	50	C
63	38	3	18	2 3/4"	96	6237	368	16	1R.BO1.630.00	30	C
75	44	3	20	3 1/2"	116,6	6312	560	10	1R.BO1.750.00	15	C
90	51	5	20	4"	131	6362	750	6	1R.BO1.900.00	12	C
110	61	5	20	5"	159,4	6450	1300	6	1R.BO1.110.00	12	B



> FL1

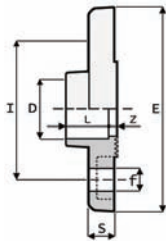
LOOSE FLANGE FLANGIA LIBERA FLANSCH BRIDE LIBRE BRIDA



D	DN	d	E	S	I	f	n°drill	Gr.	Bolts	Ref.	Box	Master
20	15	28	95	11	65	14	4	70	M12x55	1R.FL1.200.00	250	C
25	20	34	105	12	75	14	4	80	M12x60	1R.FL1.250.00	200	C
32	25	42	115	14	85	14	4	116	M12x60	1R.FL1.320.00	120	C
40	32	51	140	15	100	18	4	180	M16x70	1R.FL1.400.00	100	C
50	40	62	150	16	110	18	4	215	M16x75	1R.FL1.500.00	75	C
63	50	78	165	18	125	18	4	295	M16x80	1R.FL1.630.00	50	C
75	65	92	185	19	145	18	4	455	M16x90	1R.FL1.750.00	35	C
90	80	110	203	20	160	18	8	460	M16x90	1R.FL1.900.00	30	C
110	100	132	222	22	180	18	8	515	M16x100	1R.FL1.110.00	20	C
125	110	149	230	24	190	18	8	724	M16x100	1R.FL1.130.00	30	B
140	125	167	250	26	210	18	8	813	M16x110	1R.FL1.150.00	25	B
160	150	190	285	28	240	22	8	1285	M20x120	1R.FL1.170.00	20	B
200	200	235	341	30	285	22	8/12	2045/1930	M20x120	1R.FL1.210.00	10	B
225	200	244	341	30	285	22	8/12	1950/1250	M20x140	1R.FL1.230.00	10	B
250	250	281	395	33	350	22	12	2780	M20x140	1R.FL1.260.00	8	B
280	250	309	396	35	350	22	12	1880	M20x160	1R.FL1.280.00	-	-
315	300	349	465	40	400	22	12	3050	M20x180	1R.FL1.330.00	-	-

> FF1

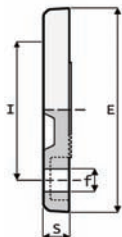
FIXED FLANGE FLANGIA FISSA FLANSCH BRIDE FIXE BRIDA CON MANGUITO



D	DN	L	Z	E	I	f	S	n°drill	Gr.	Bolts	Ref.	Box	Master
20	15	16	4	95	65	14	11	4	70	M12x55	1R.FF1.200.00	150	C
25	20	19	4	105	75	14	12	4	87	M12x60	1R.FF1.250.00	120	C
32	25	22	4	115	85	14	14	4	137	M12x60	1R.FF1.320.00	80	C
40	32	26	4	140	100	18	15	4	237	M16x70	1R.FF1.400.00	60	C
50	40	31	5	150	110	18	16	4	280	M16x75	1R.FF1.500.00	40	C
63	50	38	5	165	125	18	18	4	395	M16x80	1R.FF1.630.00	25	C
75	65	44	6	185	145	18	19	8	555	M16x90	1R.FF1.750.00	15	C
90	80	51	7	200	160	18	20	8	780	M16x90	1R.FF1.900.00	10	C
110	100	61	8	220	180	18	22	8	1070	M16x100	1R.FF1.110.00	20	B

> FC1

BLANK FLANGE FLANGIA CIECA BLIND FLANSCH BRIDE FAUSSE BRIDA CIECAS

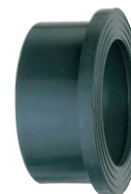
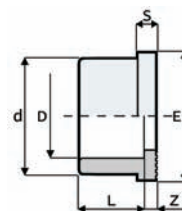


D	DN	E	S	I	f	n°drill	Gr.	Bolts	Ref.	Box	Master
20	15	95	11	64	14	4	99	M12x55	1R.FC1.200.00	250	C
25	20	105	12	76	14	4	106	M12x60	1R.FC1.250.00	150	C
32	25	115	14	86	14	4	206	M12x60	1R.FC1.320.00	120	C
40	32	141	15	100	18	4	295	M16x70	1R.FC1.400.00	90	C
50	40	150	16	111	18	4	327	M16x75	1R.FC1.500.00	70	C
63	50	165	18	126	18	4	358	M16x80	1R.FC1.630.00	30	C
75	65	185	19	145	18	4	444	M16x90	1R.FC1.750.00	30	C
90	80	200	20	160	18	8	570	M16x90	1R.FC1.900.00	30	C
110	100	220	22	180	18	8	766	M16x100	1R.FC1.110.00	20	C

QR1 <

STUB COLLARE BUNDBUCHSE COLLET MANGUITO PORTABRIDA

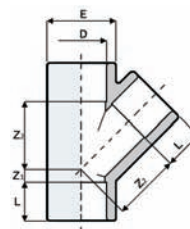
D	L	Z	d	S	E	Gr.	Ref.	Box	Master
20	16	3	27	6	34	10	1R.QR1.200.00	1200	C
25	19	3	33	7	41	14	1R.QR1.250.00	750	C
32	22	3	41	7	50	33	1R.QR1.320.00	400	C
40	26	3	50	8	61	37	1R.QR1.400.00	250	C
50	31	3	61	8	73	60	1R.QR1.500.00	150	C
63	38	3	76	9	90	110	1R.QR1.630.00	80	C
75	44	3	90	10	106	165	1R.QR1.750.00	50	C
90	51	5	108	11	125	270	1R.QR1.900.00	60	B
110	61	4	131	12	150	445	1R.QR1.110.00	40	B
125	69	5	147	13	168	565	1R.QR1.130.00	25	B
140	76	5	165	14	188	735	1R.QR1.150.00	20	B
160	86	5	188	16	212	1250	1R.QR1.170.00	12	B
200	106	7	232	16	254	2519	1R.QR1.210.00	7	B
225	119	7	248	16	274	2570	1R.QR1.230.00	6	B
250	131	9	274	20	308	3000	1R.QR1.260.00	4	B
280	147	14,5	307	32	327	3650	1R.QR1.280.00	-	-
315	165	16	346	32	377	4950	1R.QR1.330.00	-	-



TY1 <

TEE 45° TI A 45° T 45° TE A 45° TE 45°

D	L	Z1	Z2	E	Gr.	Ref.	Box	Master
20	16	7	30	27	39	1R.TY1.200.00	100	-
25	19	7	35	33	62	1R.TY1.250.00	50	-
32	22	9	44	41	110	1R.TY1.320.00	60	-
40	26	11	55	50	190	1R.TY1.400.00	50	C
50	31	12	68	63	335	1R.TY1.500.00	20	C
63	38	15	85	78	570	1R.TY1.630.00	15	C



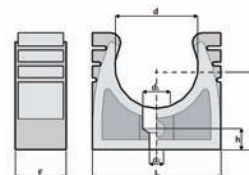
ST1 <

PIPE CLIP IN PP* SUPPORTO IN PP PER TUBI* PP ROHRKLEMME* SUPPORT EN PP POUR TUYAUX* PINZAS EN PP*

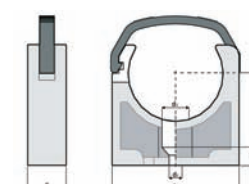
D	H	L	d2	d1	h	f	Fig.	Gr.	Ref.	Pack	Box	Master
16	22,9	28	5,5	10,5	7,5	16	A	6	1R.ST1.160.00	10	1500	C
20	25	33	5,5	10,5	7,5	16	A	7	1R.ST1.200.00	10	1100	C
25	27,5	38	5,5	10,5	7,5	16	A	9	1R.ST1.250.00	10	900	C
32	31	48	5,5	10,5	7,5	16	A	13	1R.ST1.320.00	10	600	C
40	41,5	54	5,5	10,5	7,5	20	B	23	1R.ST1.400.00	10	370	C
50	46,5	64,5	7	14	9	23	B	29	1R.ST1.500.00	10	240	C
63	56	80	7	14	9	25	B	39	1R.ST1.630.00	10	280	B
75	63,6	94	9	17	10,5	27,5	B	55	1R.ST1.750.00	10	240	B
90	72	115	9	17	13,5	30	B	85	1R.ST1.900.00	10	100	B
110	83,8	139	9	17	14	30	B	100	1R.ST1.110.00	10	100	B

* Available also in black PE

> Fig. A

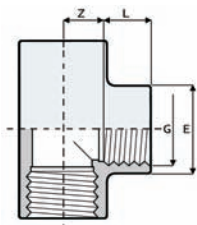


> Fig. B



> TI2

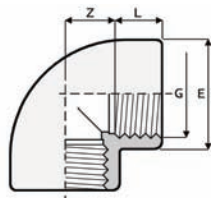
TEE 90° TI A 90° T 90° TE A 90° TE 90°



G	L	Z	E	Gr.	Ref.	Box	Master
3/8"	11,4	11,6	23	37	1R.TI2.160.00	700	C
1/2"	15	13	28	30	1R.TI2.200.00	400	C
3/4"	16,3	16,7	35	55	1R.TI2.250.00	220	C
1"	19,1	19,9	43	80	1R.TI2.320.00	120	C
1 1/4"	21,4	25,6	51	132	1R.TI2.400.00	70	C
1 1/2"	21,4	35,6	61	255	1R.TI2.500.00	80	B
2"	25,7	45,3	75	450	1R.TI2.630.00	45	B
2 1/2"	30,2	52,8	89	595	1R.TI2.750.00	30	B
3"	33,3	64,7	106	1040	1R.TI2.900.00	18	B
4"	39,3	78,7	129	1415	1R.TI2.110.00	10	B

> GO2

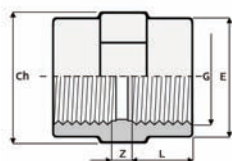
ELBOW 90° GOMITO A 90° WINKEL 90° COUDE A 90° CODO 90°



G	L	Z	E	Gr.	Ref.	Box	Master
3/8"	11,4	11,6	23	27	1R.GO2.160.00	1100	C
1/2"	15	13	28	25	1R.GO2.200.00	600	C
3/4"	16,3	16,7	35	40	1R.GO2.250.00	300	C
1"	19,1	19,9	43	65	1R.GO2.320.00	170	C
1 1/4"	21,4	25,6	51	100	1R.GO2.400.00	100	C
1 1/2"	21,4	35,6	61	190	1R.GO2.500.00	60	C
2"	25,7	45,3	76	340	1R.GO2.630.00	60	B
2 1/2"	30,2	52,8	89	455	1R.GO2.750.00	40	B
3"	33,3	64,7	106	545	1R.GO2.900.00	25	B
4"	39,3	78,7	129	1030	1R.GO2.110.00	14	B

> MA2

SOCKET MANICOTTO MUFFEN MANCHON MANGUITO

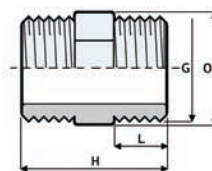


G	L	Z	E	Ch	Gr.	Ref.	Box	Master
3/8"	11,4	6	23	24	9	1R.MA2.160.00	1300	C
1/2"	15	7	28	29	20	1R.MA2.200.00	700	C
3/4"	16,3	7	34	35	30	1R.MA2.250.00	450	C
1"	19,1	8	42	43	50	1R.MA2.320.00	250	C
1 1/4"	21,4	8	51	55	65	1R.MA2.400.00	150	C
1 1/2"	21,4	8	58	65	100	1R.MA2.500.00	120	C
2"	25,7	8	72	75	135	1R.MA2.630.00	70	C
2 1/2"	30,2	9	89	90	215	1R.MA2.750.00	80	B
3"	33,3	10	103	105	305	1R.MA2.900.00	60	B
4"	39,3	11	130	130	652	1R.MA2.110.00	35	B

NI2 <

NIPPLE **NIPPLIO** DOPPELNIPPEL **MAMMELON** DOBLE MANGUITO ROSCADO

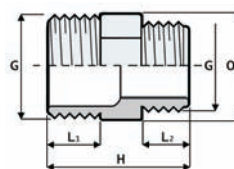
G	L	H	O	Gr.	Ref.	Box	Master
3/8"	11,4	33	22	5	1R.NI2.160.00	2400	C
1/2"	15	42	24	10	1R.NI2.200.00	1000	C
3/4"	16,3	44	30	20	1R.NI2.250.00	700	C
1"	19,1	50	36	30	1R.NI2.320.00	400	C
1 1/4"	21,4	58	46	45	1R.NI2.400.00	200	C
1 1/2"	21,4	58	50	63	1R.NI2.500.00	150	C
2"	25,7	66	65	105	1R.NI2.630.00	80	C
2 1/2"	30,2	78	80	175	1R.NI2.750.00	100	B
3"	33,3	85	95	245	1R.NI2.900.00	70	B
4"	39,3	96	120	348	1R.NI2.110.00	35	B



NR2 <

REDUCING NIPPLE **NIPPLIO RIDOTTO** REDUZIERTNIPPEL **MAMMELON REDUIT** DOBLE MANGUITO ROSCADO

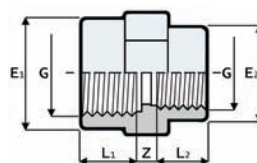
GxG	L1	L2	H	O	Gr.	Ref.	Box	Master
1/2"x3/8"	15	11,4	38	24	14	1R.NR2.20A.00	1000	C
3/4"x1/2"	16,3	15	43	30	15	1R.NR2.25B.00	700	C
1"x3/4"	19,1	16,3	47	36	25	1R.NR2.32C.00	400	C
1 1/4"x1"	21,4	19,1	56	46	40	1R.NR2.40D.00	250	C
1 1/2"x1 1/4"	21,4	21,4	58	50	60	1R.NR2.50E.00	150	C
2"x1 1/2"	25,7	21,4	62	65	90	1R.NR2.63F.00	100	C
2 1/2"x2"	30,2	25,7	72	80	155	1R.NR2.75G.00	100	B
3"x2 1/2"	33,3	30,2	82	95	240	1R.NR2.90H.00	35	B
4"x3"	39,3	33,3	90	120	357	1R.NR2.11I.00	24	B



MR2 <

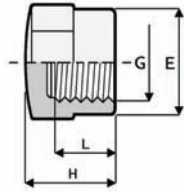
REDUCING SOCKET **MANICOTTO RIDOTTO** REDUZIERTMUFFEN **MANCHON REDUIT** MANGUITO REDUCIDO

GxG	L1	L2	Z	E1	E2	Gr.	Ref.	Box	Master
1/2"x3/8"	15	11,4	6	28	23	7	1R.MR2.20A.00	900	C
3/4"x1/2"	16,3	15	7	34	28	25	1R.MR2.25B.00	500	C
1"x3/4"	19,1	16,3	7	42	34	40	1R.MR2.32C.00	300	C
1 1/4"x1"	21,4	19,1	8	51	42	34	1R.MR2.40D.00	150	C
1 1/2"x1 1/4"	21,4	21,4	8	58	51	79	1R.MR2.50E.00	100	C
2"x1 1/2"	25,7	21,4	8	72	58	130	1R.MR2.63F.00	90	C
2 1/2"x2"	30,2	25,7	8	89	72	178	1R.MR2.75G.00	100	B
3"x2 1/2"	33,3	30,2	9	103	89	226	1R.MR2.90H.00	50	B
4"x3"	39,3	33,3	10	130	103	515	1R.MR2.11I.00	40	B



> CA2

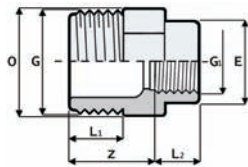
CAP CALOTTA KAPPE BOUCHON TAPON



G	L	H	E	Gr.	Ref.	Box	Master
3/8"	11,4	22	23	37	1R.CA2.160.00	2000	C
1/2"	15	24	28	20	1R.CA2.200.00	1200	C
3/4"	16,3	27	34	25	1R.CA2.250.00	750	C
1"	19,1	30	42	40	1R.CA2.320.00	400	C
1 1/4"	21,4	35	51	60	1R.CA2.400.00	250	C
1 1/2"	21,4	40	61	85	1R.CA2.500.00	150	C
2"	25,7	48	75	115	1R.CA2.630.00	90	C
2 1/2"	30,2	50	89	251	1R.CA2.750.00	70	C
3"	33,3	53	103	390	1R.CA2.900.00	40	C
4"	39,3	59	130	623	1R.CA2.110.00	60	B

> RI2

REDUCER MALE/FEMALE RIDUZIONE MASCHIO/FEMMINA REDUZIERTSTUCKE REDUCTION MALE/FEMELLE REDUCCION MACHO/HEMBRA

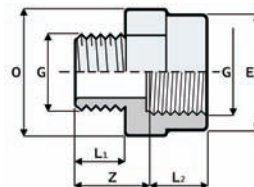


GxG1	L1	L2	Z	E	O	Gr.	Ref.	Box	Master
1/2"x3/8"	15	11,4	24	23	24	21	1R.RI2.20A.00	1200	C
3/4"x3/8"	16,3	11,4	25	23	30	15	1R.RI2.25A.00	700	C
3/4"x1/2"	16,3	15	26	28	30	20	1R.RI2.25B.00	700	C
1"x3/8"	19,1	11,4	28	23	36	37	1R.RI2.32A.00	500	C
1"x1/2"	19,1	15	29	28	36	25	1R.RI2.32B.00	500	C
1"x3/4"	19,1	16,3	30	34	36	30	1R.RI2.32C.00	450	C
1 1/4"x1/2"	21,4	15	33	28	46	41	1R.RI2.40B.00	250	C
1 1/4"x3/4"	21,4	16,3	33	34	46	45	1R.RI2.40C.00	250	C
1 1/4"x1"	21,4	19,1	33	42	46	50	1R.RI2.40D.00	250	C
1 1/2"x3/4"	21,4	16,3	34	34	50	50	1R.RI2.50C.00	220	C
1 1/2"x1"	21,4	19,1	34	42	50	54	1R.RI2.50D.00	200	C
1 1/2"x1 1/4"	21,4	21,4	34	51	55	79	1R.RI2.50E.00	150	C
2"x1"	25,7	19,1	37	42	65	95	1R.RI2.63D.00	100	C
2"x1 1/4"	25,7	21,4	37	51	65	106	1R.RI2.63E.00	100	C
2"x1 1/2"	25,7	21,4	37	58	65	105	1R.RI2.63F.00	100	C
2 1/2"x1 1/4"	30,2	21,4	43	51	80	140	1R.RI2.75E.00	80	C
2 1/2"x1 1/2"	30,2	21,4	43	58	80	145	1R.RI2.75F.00	60	C
2 1/2"x2"	30,2	25,7	43	72	80	160	1R.RI2.75G.00	60	C
3"x1 1/2"	33,3	21,4	47	58	95	199	1R.RI2.90F.00	30	C
3"x2"	33,3	25,7	47	72	95	215	1R.RI2.90G.00	30	C
3"x2 1/2"	33,3	30,2	47	89	95	230	1R.RI2.90H.00	30	C
4"x2"	39,3	25,7	53	72	120	340	1R.RI2.11G.00	55	B
4"x2 1/2"	39,3	30,2	53	89	120	355	1R.RI2.11H.00	55	B
4"x3"	39,3	33,3	53	103	120	200	1R.RI2.11I.00	45	B

MG2 <

MALE/FEMALE ADAPTOR MAGGIORATORE MASCHIO/FEMMINA REDUZIERTMUFFENNIPPEL MANCHON MALE/FEMELLE MANGUITO MACHO/HEMBRA

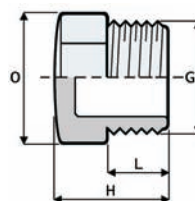
GxG	L1	L2	Z	O	E	Gr.	Ref.	Box	Master
3/8"x1/2"	11,4	15	22	30	28	27	1R.MG2.16B.00	1000	C
1/2"x3/4"	15	16,3	24	36	34	15	1R.MG2.20C.00	600	C
3/4"x1"	16,3	19,1	26	46	42	40	1R.MG2.25D.00	300	C
1"x1 1/4"	19,1	21,4	30	55	51	72	1R.MG2.32E.00	200	C
1 1/4"x1 1/2"	21,4	21,4	33	60	58	83	1R.MG2.40F.00	150	C
1 1/2"x2"	21,4	25,7	34	75	72	125	1R.MG2.50G.00	90	C
2"x2 1/2"	25,7	30,2	38	90	89	202	1R.MG2.63H.00	100	B
2 1/2"x3"	30,2	33,3	44	105	103	240	1R.MG2.75I.00	75	B
3"x4"	33,3	39,3	48	130	130	333	1R.MG2.90L.00	40	B



TA2 <

PLUG TAPPO STOPFEN BOUCHON MALE TAPON MACHO

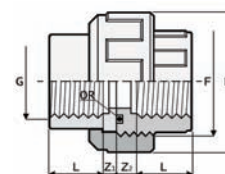
G	L	H	O	Gr.	Ref.	Box	Master
3/8"	11,4	24	22	5	1R.TA2.160.00	2000	C
1/2"	15	29	24	10	1R.TA2.200.00	1500	C
3/4"	16,3	30	30	15	1R.TA2.250.00	1000	C
1"	19,1	33	36	25	1R.TA2.320.00	600	C
1 1/4"	21,4	39	46	50	1R.TA2.400.00	300	C
1 1/2"	21,4	39	50	35	1R.TA2.500.00	250	C
2"	25,7	43	65	80	1R.TA2.630.00	150	C
2 1/2"	30,2	51	80	160	1R.TA2.750.00	80	C
3"	33,3	55	95	235	1R.TA2.900.00	50	C
4"	39,3	61	120	360	1R.TA2.110.00	60	B



BO2 <

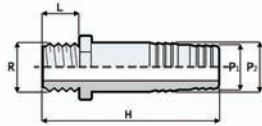
UNION WITH O-RING BOCCHETTONE CON O-RING VERSCHRAUBUNG MIT O-RING UNION AVEC O-RING ENLACE 3 PIEZAS CON O-RING

G	L	Z1	Z2	F	E	O-R	Gr.	Pn	Ref.	Box	Master
3/8"	11,4	5,6	13,6	3/4"	34	3062	32	16	1R.BO2.160.00	700	C
1/2"	15	4	11	1"	42	4081	44	16	1R.BO2.200.00	350	C
3/4"	16,3	5,7	12,7	1 1/4"	52	4112	72	16	1R.BO2.250.00	200	C
1"	19,1	5,9	12,9	1 1/2"	59	4125	100	16	1R.BO2.320.00	140	C
1 1/4"	21,4	7,6	16,6	2"	72	6162	161	16	1R.BO2.400.00	80	C
1 1/2"	21,4	12,6	23,6	2 1/4"	79	6187	264	16	1R.BO2.500.00	50	C
2"	25,7	15,3	30,3	2 3/4"	96	6237	454	16	1R.BO2.630.00	30	C
2 1/2"	30,2	17,8	32,8	3 1/2"	119	6312	560	10	1R.BO2.750.00	15	C
3"	33,3	25,7	36,7	4"	134	6362	750	6	1R.BO2.900.00	12	C
4"	39,3	27,7	40,7	5"	163	6450	1300	6	1R.BO2.110.00	12	B



> PO2

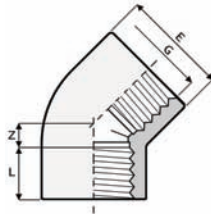
HOSE ADAPTOR PORTAGOMMA DRUCK SCHLAUCHTULLE DOUILLE EPIGA



RxP1xP2	L	H	Gr.	Ref.	Box
3/8"x16x18	11,4	58	14	1R.PO2.160.00	300
1/2"x20x22	15	66	19	1R.PO2.200.00	150
3/4"x25x27	16,3	81	30	1R.PO2.250.00	80
1"x30x32	19,1	97	45	1R.PO2.320.00	100
1 1/4"x40x42	21,4	104	85	1R.PO2.400.00	50
1 1/2"x50x52	21,4	111	120	1R.PO2.500.00	30
2"x60x64	25,7	123	180	1R.PO2.630.00	40

> GY2

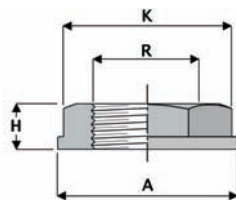
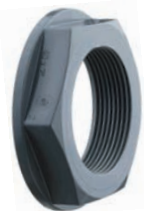
ELBOW 45° GOMITO A 45° WINKEL 45° COUDE A 45° CODO 45°



G	L	Z	E	Gr.	Ref.	Box	Master
1/2"	15	12	28	31	1R.GY2.200.00	600	C
3/4"	16,3	16,7	34	49	1R.GY2.250.00	400	C
1"	19,1	19,9	42	61	1R.GY2.320.00	200	C
1 1/4"	21,4	25,6	51	101	1R.GY2.400.00	130	C
1 1/2"	21,4	35,6	61	150	1R.GY2.500.00	150	B
2"	25,7	45,3	75	290	1R.GY2.630.00	90	B
2 1/2"	30,2	52,8	89	355	1R.GY2.750.00	50	B
3"	33,3	64,7	106	615	1R.GY2.900.00	25	B
4"	39,3	78,7	129	835	1R.GY2.110.00	16	B

> NU2

BACKING NUT DADO KONTERMUTTER ECROU HEXAGONAL TUERCA

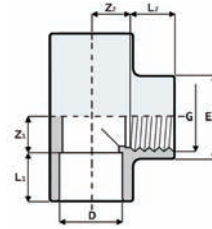


R	A	K	H	Gr.	Ref.	Pack	Box	Master
1/2"	38	28	13	11	1R.NU2.200.00	25	1000	C
3/4"	44	33	13,5	14	1R.NU2.250.00	25	750	C
1"	58	46	16	31	1R.NU2.320.00	25	400	C
1 1/4"	62	50	18	32	1R.NU2.400.00	10	300	C
1 1/2"	76	60	19	52	1R.NU2.500.00	10	200	C
2"	92	79	20,8	84	1R.NU2.630.00	10	120	C

TI3 <

TEE 90° TI A 90° T 90° TE A 90° TE 90°

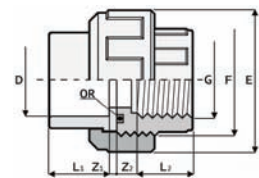
DxG	L1	L2	Z1	Z2	E	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	9	11,6	23	40	1R.TI3.16A.00	700	C
20x1/2"	16	15	12	13	28	32	1R.TI3.20B.00	400	C
25x3/4"	19	16,3	15	17	35	52	1R.TI3.25C.00	220	C
32x1"	22	19,1	18	21	43	71	1R.TI3.32D.00	120	C
40x1 1/4"	26	21,4	21	25,6	51	125	1R.TI3.40E.00	70	C
50x1 1/2"	31	21,4	26	35,6	61	200	1R.TI3.50F.00	80	B
63x2"	38	25,7	33	45,3	75	380	1R.TI3.63G.00	45	B
75x2 1/2"	44	30,2	39	52,8	89	530	1R.TI3.75H.00	30	B
90x3"	51	33,3	47	64,7	106	845	1R.TI3.90I.00	18	B
110x4"	61	39,3	57	78,7	129	1415	1R.TI3.11L.00	10	B



BO3 <

UNION WITH O-RING BOCCHETTONE CON O-RING VERSCHRAUBUNG MIT O-RING UNION AVEC O-RING ENLACE 3 PIEZAS CON O-RING

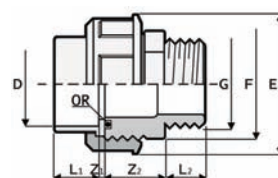
DxG	L1	L2	Z1	Z2	F	E	O-R	Gr.	Pn	Ref.	Box	Master
16x3/8"	14	11,4	3	13,6	3/4"	34	3062	31	16	1R.BO3.16A.00	700	C
20x1/2"	16	15	3	11	1"	42	4081	42	16	1R.BO3.20B.00	350	C
25x3/4"	19	16,3	3	12,7	1 1/4"	52	4112	70	16	1R.BO3.25C.00	200	C
32x1"	22	19,1	3	12,9	1 1/2"	59	4125	96	16	1R.BO3.32D.00	140	C
40x1 1/4"	26	21,4	3	16,6	2"	72	6162	155	16	1R.BO3.40E.00	80	C
50x1 1/2"	31	21,4	3	23,6	2 1/4"	79	6187	237	16	1R.BO3.50F.00	50	C
63x2"	38	25,7	3	30,3	2 3/4"	96	6237	405	16	1R.BO3.63G.00	30	C
75x2 1/2"	45	30,2	3	32,8	3 1/2"	119	6312	560	10	1R.BO3.75H.00	15	C
90x3"	53	59,0	5	36,7	4"	134	6362	750	6	1R.BO3.90I.00	12	C
110x4"	61	69,0	5	40,7	5"	163	6450	1300	6	1R.BO3.11L.00	12	B



BM3 <

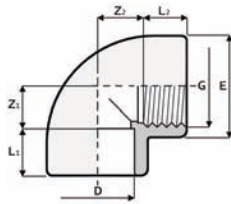
UNION MALE WITH O-RING BOCCHETTONE MASCHIO CON O-RING ÜBERGANGSVERSCHRAUBUNG MIT O-RING UNION MALE AVEC O-RING ENLACE 3 PIEZAS MACHO CON O-RING

DxG	L1	L2	Z1	Z2	F	E	O-R	Gr.	Ref.	Box	Master
50x1 1/2"	31	28	3	41	2 1/4"	79	6187	270	1R.BM3.50F.00	45	C
50x2"	31	28	3	41	2 1/4"	79	6187	258	1R.BM3.50G.00	40	C
63x2"	38	28	3	43	2 3/4"	96	6237	406	1R.BM3.63G.00	25	C



> GO3

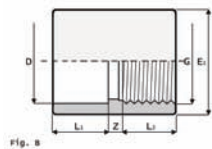
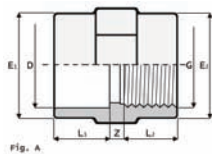
ELBOW 90° **GOMITO A 90°** WINKEL 90° **COUDE A 90°** CODO 90°



DxG	L1	L2	Z1	Z2	E	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	9	11,6	23	25	1R.GO3.16A.00	1100	C
20x1/2"	16	15	11	12	28	25	1R.GO3.20B.00	600	C
25x3/4"	19	16,3	14	17	35	40	1R.GO3.25C.00	300	C
32x1"	22	19,1	18	20,5	43	72	1R.GO3.32D.00	170	C
40x1 1/4"	26	21,4	21	25,6	51	95	1R.GO3.40E.00	100	C
50x1 1/2"	31	21,4	26	35,6	61	165	1R.GO3.50F.00	60	C
63x2"	38	25,7	33	46	76	320	1R.GO3.63G.00	60	B
75x2 1/2"	44	30,2	39	52,8	89	417	1R.GO3.75H.00	40	B
90x3"	51	33,3	47	64,7	106	690	1R.GO3.90I.00	25	B
110x4"	61	39,3	57	78,7	129	1035	1R.GO3.11L.00	14	B

> MA3

SOCKET **MANICOTTO** MUFFEN **MANCHON** MANGUITO

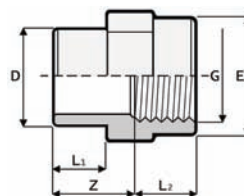


DxG	L1	L2	Z	E1	E2	Fig.	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	6	23	23	A	10	1R.MA3.16A.00	1400	C
20x1/2"	16	15	4	28	28	A	23	1R.MA3.20B.00	700	C
25x3/4"	19	16,3	5	35	35	A	34	1R.MA3.25C.00	450	C
32x1"	22	19,1	6	43	43	A	53	1R.MA3.32D.00	250	C
40x1 1/4"	26	21,4	8	51	51	B	60	1R.MA3.40E.00	150	C
50x1 1/2"	31	21,4	13	61	61	B	100	1R.MA3.50F.00	100	C
63x2"	38	25,7	8	76	76	A	190	1R.MA3.63G.00	50	C
75x2 1/2"	44	30,2	8	89	89	A	225	1R.MA3.75H.00	75	B
90x3"	51	33,3	9	106	103	A	355	1R.MA3.90I.00	40	B
110x4"	61	39,3	10	129	130	A	555	1R.MA3.11L.00	25	B

AF3 <

FEMALE THREADED ADAPTOR **ADATTATORE FILETTATO FEMMINA** ÜBERGANGSMUFFENNIPPEL
MANCHON FILETÉ FEMELLE MANGUITO ROSCADO HEMBRA

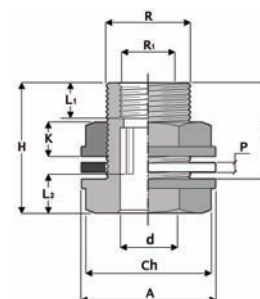
DxG	L1	L2	E	Z	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	23	22	10	1R.AF3.16A.00	1400	C
20x1/2"	14	15	28	22	20	1R.AF3.20B.00	800	C
20x3/4"	16	15	28	26	30	1R.AF3.20C.00	600	C
25x1/2"	16	16,3	34	26	20	1R.AF3.25B.00	700	C
25x3/4"	16	19	28	29	30	1R.AF3.25C.00	500	C
25x1"	19	16,3	34	29	52	1R.AF3.25D.00	300	C
32x3/4"	19	19,1	42	29	30	1R.AF3.32C.00	400	C
32x1"	19	22	34	32	40	1R.AF3.32D.00	250	C
40x1"	22	19,1	42	33	50	1R.AF3.40D.00	220	C
40x1 1/4"	22	19,1	42	37	76	1R.AF3.40E.00	150	C
50x1 1/4"	26	21,4	51	37	85	1R.AF3.50E.00	150	C
50x1 1/2"	31	21,4	51	42	100	1R.AF3.50F.00	100	C
50x2"	31	21,4	58	42	125	1R.AF3.50G.00	100	C
63x1 1/2"	31	25,7	72	42	148	1R.AF3.63F.00	80	C
63x2"	38	25,7	72	50	140	1R.AF3.63G.00	60	C
75x2"	38	44	75	61	180	1R.AF3.75G.00	45	C
75x2 1/2"	44	30,2	89	59	188	1R.AF3.75H.00	35	C
75x3"	44	33,3	103	59	200	1R.AF3.75I.00	35	C
90x2 1/2"	44	51	89	68	249	1R.AF3.90H.00	25	C
90x3"	51	33,3	103	67	235	1R.AF3.90I.00	40	B
90x4"	51	39,3	130	67	456	1R.AF3.90L.00	35	B
110x3"	51	61	106	82	502	1R.AF3.11I.00	35	B
110x4"	61	39,3	130	77	490	1R.AF3.11L.00	30	B



AS3 <

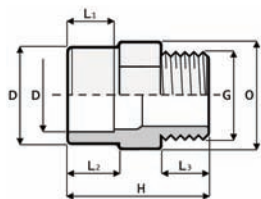
TANK CONNECTOR **ATTACCO A SERBATOIO** TANKVERSCHRAUBUNG **RACCORD DE RESERVOIR** ADAPTATOR DEPOSITO

RxdxR1	A	Ch	L	L1	L2	H	P	K	Gr.	Ref.	Pack	Box	Master
3/4"x16x1/2"	44	33	47	15	14	60,5	3	13,5	53	1R.AS3.16B.00	5	125	C
1"x20x3/4"	58	46	49	16,3	16	65	3	16	108	1R.AS3.20C.00	5	90	C
1 1/4"x25x1"	62	50	52	19,1	19	70	3	18	142	1R.AS3.25D.00	5	80	C
1 1/2"x32x1"	76	60	54	19,1	22	73	3	19	192	1R.AS3.32D.00	-	60	C
2"x40x1 1/2"	92	79	60	21,4	26	81	3	20,8	337	1R.AS3.40F.00	-	35	C



> AM3

MALE THREADED ADAPTOR **ADATTATORE FILETTATO MASCHIO** ÜBERGANGSMUFFENNIPPEL **MANCHON FILETÉ MALE** MANGUITO ROSCADO MACHO

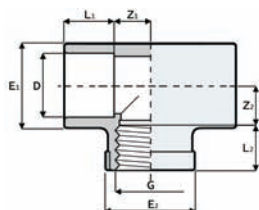


DxDxG	L1	L2	L3	H	O	Gr.	Ref.	Box	Master
12x16x3/8"	12	14	11,4	34,5	20,4	10	1R.AM3.12A.00	2300	C
16x20x3/8"	14	16	11,4	40	24	10	1R.AM3.16A.00	1200	C
16x20x1/2"	14	16	15	43	24	15	1R.AM3.16B.00	1100	C
20x25x3/8"	16	19	11,4	43	30	19	1R.AM3.20A.00	700	C
20x25x1/2"	16	19	15	46	30	15	1R.AM3.20B.00	700	C
20x25x3/4"	16	19	16,3	47	30	20	1R.AM3.20C.00	700	C
25x32x1/2"	19	22	15	49	36	25	1R.AM3.25B.00	450	C
25x32x3/4"	19	22	16,3	50	36	25	1R.AM3.25C.00	400	C
25x32x1"	19	22	19,1	53	36	45	1R.AM3.25D.00	400	C
32x40x3/4"	22	26	16,3	54	46	40	1R.AM3.32C.00	280	C
32x40x1"	22	26	19,1	57	46	40	1R.AM3.32D.00	250	C
32x40x1 1/4"	22	26	21,4	60	46	55	1R.AM3.32E.00	200	C
40x50x1"	26	31	19,1	64	55	70	1R.AM3.40D.00	130	C
40x50x1 1/4"	26	31	21,4	67	55	70	1R.AM3.40E.00	130	C
40x50x1 1/2"	26	31	21,4	67	55	70	1R.AM3.40F.00	120	C
50x63x1 1/4"	31	38	21,4	74	65	70	1R.AM3.50E.00	100	C
50x63x1 1/2"	31	38	21,4	74	65	115	1R.AM3.50F.00	80	C
50x63x2"	31	38	25,7	78	65	125	1R.AM3.50G.00	75	C
63x75x1 1/2"	38	44	21,4	80	80	198	1R.AM3.63F.00	70	C
63x75x2"	38	44	25,7	84	80	160	1R.AM3.63G.00	60	C
63x75x2 1/2"	38	44	30,2	91	80	195	1R.AM3.63H.00	45	C
75x90x2"	44	51	25,7	94	95	270	1R.AM3.75G.00	45	C
75x90x2 1/2"	44	51	30,2	99	95	285	1R.AM3.75H.00	45	C
75x90x3"	44	51	33,3	102	95	285	1R.AM3.75I.00	25	C
90x110x2"	51	61	25,7	110	115	485	1R.AM3.90G.00	20	C
90x110x2 1/2"	51	61	30,2	110	115	485	1R.AM3.90H.00	20	C
90x110x3"	51	61	33,3	113	115	490	1R.AM3.90I.00	20	C
90x110x4"	51	61	39,3	118	115	480	1R.AM3.90L.00	30	B
110x125x3"	61	66	33,3	115	130	490	1R.AM3.11I.00	35	B
110x125x4"	61	66	39,3	120	130	490	1R.AM3.11L.00	30	B

> TM3

TEE 90° WITH REINFORCING RING **TI A 90° CON ANELLO DI RINFORZO** T 90° MIT METALLRING

TE A 90° AVEC ANNEAU DE RENFORT **TE 90° CON ANILLO DE REFUERZO**

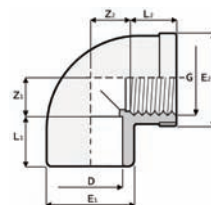


DxG	L1	L2	Z1	Z2	E1	E2	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	9	11,6	23	25	35	1R.TM3.16A.00	700	C
20x1/2"	16	15	11	12	28	30	45	1R.TM3.20B.00	400	C
25x3/4"	19	16,3	14	16,7	34	35	55	1R.TM3.25C.00	220	C
32x1"	22	19,1	17	19,9	42	45	75	1R.TM3.32D.00	130	C
40x1 1/4"	26	21,4	21	25,6	51	55	125	1R.TM3.40E.00	70	C
50x1 1/2"	31	21,4	26	35,6	61	65	200	1R.TM3.50F.00	80	B
63x2"	38	25,7	33	45,3	75	78	330	1R.TM3.63G.00	45	B

GM3 <

ELBOW 90° WITH REINFORCING RING **GOMITO A 90° CON ANELLO DI RINFORZO** WINKEL 90° MIT METALLRING
COUDE A 90° AVEC ANNEAU DE RENFORT CODO 90° CON ANILLO DE REFUERZO

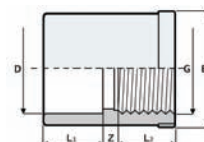
DxG	L1	L2	Z1	Z2	E1	E2	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	9	11,6	23	25	25	1R.GM3.16A.00	1000	C
20x1/2"	16	15	11	12	28	30	25	1R.GM3.20B.00	650	C
25x3/4"	19	16,3	14	16,7	34	35	25	1R.GM3.25C.00	350	C
32x1"	22	19,1	17	19,9	42	45	60	1R.GM3.32D.00	180	C
40x1 1/4"	26	21,4	21	25,6	51	55	95	1R.GM3.40E.00	100	C
50x1 1/2"	31	21,4	26	35,6	61	65	165	1R.GM3.50F.00	60	C
63x2"	38	25,7	33	45,3	75	78	280	1R.GM3.63G.00	60	B



MM3 <

SOCKET WITH REINFORCING RING **MANICOTTO CON ANELLO DI RINFORZO** MUFFEN MIT METALLRING
MANCHON AVEC ANNEAU DE RENFORT MANGUITO CON ANILLO DE REFUERZO

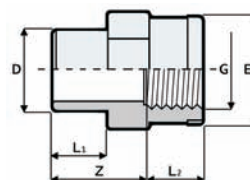
DxG	L1	L2	E	Z	Gr.	Ref.	Box	Master
16x3/8"	14	11,4	6	25	10	1R.MM3.16A.00	1500	C
20x1/2"	16	15	4	30	15	1R.MM3.20B.00	900	C
25x3/4"	19	16,3	6	35	25	1R.MM3.25C.00	500	C
32x1"	22	19,1	6	45	40	1R.MM3.32D.00	300	C
40x1 1/4"	26	21,4	8	55	60	1R.MM3.40E.00	150	C
50x1 1/2"	31	21,4	13	65	100	1R.MM3.50F.00	90	C
63x2"	38	25,7	15	78	180	1R.MM3.63G.00	50	C



RM3 <

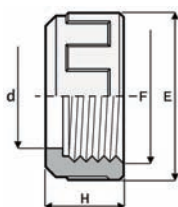
ADAPTOR WITH REINFORCING RING **ADATTATORE CON ANELLO DI RINFORZO** ÜBERGANGSMUFFENNIPPEL MIT METALLRING
MANCHON AVEC ANNEAU DE RENFORT MANGUITO CON ANILLO DE REFUERZO

DxG	L1	L2	E	Z	Gr.	Ref.	Box	Master
20x1/2"	16	15	30	26	20	1R.RM3.20B.00	750	C
25x1/2"	16	19	30	29	20	1R.RM3.25B.00	650	C
25x3/4"	19	16,3	35	29	30	1R.RM3.25C.00	450	C
32x3/4"	19	22	35	32	30	1R.RM3.32C.00	400	C
32x1"	22	19,1	45	33	40	1R.RM3.32D.00	270	C
40x1"	22	20,6	45	37	50	1R.RM3.40D.00	220	C
40x1 1/4"	26	21,4	55	37	53	1R.RM3.40E.00	150	C
50x1 1/2"	31	21,4	65	42	100	1R.RM3.50F.00	100	C
50x2"	31	25,7	78	42	125	1R.RM3.50G.00	100	C
63x2"	38	25,7	78	50	140	1R.RM3.63G.00	60	C



> BG1

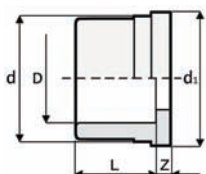
NUT FOR B01, B02 AND B03 GHIERA PER B01, B02 E B03 ÜBERWURFMUTTER FÜR B01, B02 UND B03
ECROU POUR B01, B02 ET B03 TUERCA PARA B01, B02 Y B03



D	d	H	F	E	Gr.	Ref.
16	22	23	3/4"	34	10	1R.BG1.160.00
20	27,6	23	1"	42	20	1R.BG1.200.00
25	36,1	25	1 1/4"	52	30	1R.BG1.250.00
32	41,6	27	1 1/2"	59	40	1R.BG1.320.00
40	53,1	30	2"	72	59	1R.BG1.400.00
50	59,1	34	2 1/4"	79	75	1R.BG1.500.00
63	74,1	38	2 3/4"	96	108	1R.BG1.630.00
75	92,7	45	3 1/2"	119	162	1R.BG1.750.00
90	105,5	52	4"	134	250	1R.BG1.900.00
110	129,5	59	5"	163	412	1R.BG1.110.00

> BL1

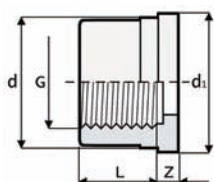
LOOSE PART FOR B01 AND B03 PEZZO FOLLE PER B01 E B03 EINLEGTEILE FÜR B01 UND B03
PIECE À COLLER POUR B01 ET B03 MANGUITO ENLACE PARA B01 Y B03



D	L	Z	d	d1	Gr.	Ref.
16	14	3	22	24	4	1R.BL1.160.00
20	16	3	27,5	30,1	10	1R.BL1.200.00
25	19	3	36	38,8	15	1R.BL1.250.00
32	22	3	41,5	44,7	20	1R.BL1.320.00
40	26	3	53	56,5	40	1R.BL1.400.00
50	31	3	59	62,6	40	1R.BL1.500.00
63	38	3	74	78,4	75	1R.BL1.630.00
75	44	3	90,5	97	145	1R.BL1.750.00
90	52	5	104,8	110	190	1R.BL1.900.00
110	61	5	128,8	135,5	335	1R.BL1.110.00

> BL2

LOOSE PART FOR B02 PEZZO FOLLE PER B02 EINLEGTEILE FÜR B02 PIECE FILETÉ POUR B02 MANGUITO ENLACE PARA B02

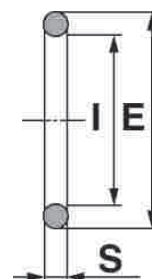


G	L	Z	d	d1	Gr.	Ref.
3/8"	11,4	5,6	22	24	11	1R.BL2.160.00
1/2"	15	4	27,5	30,1	11	1R.BL2.200.00
3/4"	16,3	5,7	36	38,8	15	1R.BL2.250.00
1"	19,1	5,9	41,5	44,7	24	1R.BL2.320.00
1 1/4"	21,4	7,6	53	56,5	58	1R.BL2.400.00
1 1/2"	21,4	12,6	59	62,6	70	1R.BL2.500.00
2"	25,7	15,3	74	78,4	105	1R.BL2.630.00
2 1/2"	30,2	17,8	90,5	97	165	1R.BL2.750.00
3"	59	25,7	104,8	110	170	1R.BL2.900.00
4"	69	27,7	128,8	135,5	331	1R.BL2.110.00



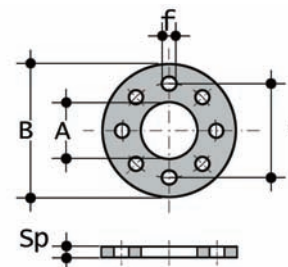
O-RING FOR B01, B02 AND B03 O-RING PER B01, B02 E B03 O-RING FÜR B01, B02 UND B03
 O-RING POUR B01, B02 ET B03 O-RING PARA B01, B02 Y B03

D	I	E	S	O-R	Ref.
16	23,4	28,7	2,6	3093	1R.GBO.160.00
20	20,2	27,2	3,5	4081	1R.GBO.200.00
25	28,2	35,2	3,5	4112	1R.GBO.250.00
32	32,9	39,9	3,5	4131	1R.GBO.320.00
40	40,6	51,2	5,3	6162	1R.GBO.400.00
50	47	57,6	5,3	6187	1R.GBO.500.00
63	60,4	71	5,3	6237	1R.GBO.630.00
75	78,7	89,5	5,3	6312	1R.GBO.750.00
90	88,2	99,0	5,3	6350	1R.GBO.900.00
110	110,5	121,2	5,3	6437	1R.GBO.110.00

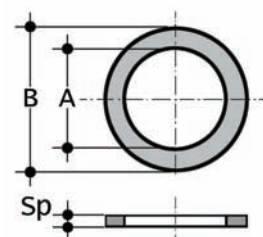


FLAT GASKET FOR QR1 GUARNIZIONE PIANA PER QR1 FLACHDICHTUNG FÜR QR1 JOINT PLAT POUR QR1 JUNTA PLANA PARA QR1

D	A	B	I	Sp	f	Ref.	Fig.
20	20	32	-	2	-	1R.GQP.200.00	X
25	25	39	-	2	-	1R.GQP.250.00	X
32	32	48	-	2	-	1R.GQP.320.00	X
40	40	59	-	2	-	1R.GQP.400.00	X
50	50	71	-	2	-	1R.GQP.500.00	X
63	63	88	-	2	-	1R.GQP.630.00	X
75	75	104	-	2	-	1R.GQP.750.00	X
90	90	123	-	2	-	1R.GQP.900.00	X
110	110	148	-	3	-	1R.GQP.110.00	X
125	125	167	-	3	-	1R.GQP.130.00	X
140	140	186	-	3	-	1R.GQP.150.00	X
160	160	211	-	3	-	1R.GQP.170.00	X
200	197	267	-	3	-	1R.GQP.210.00	X
225	220	270	-	3	-	1R.GQP.230.00	X
250	250	305	-	4	-	1R.GQP.260.00	X
280	265	395	350	4	12Ø22	1R.GQP.280.00	Y
315	290	462	400	4	12Ø22	1R.GQP.330.00	Y



> Fig. Y



> Fig. X



A.V.F. ASTORE VALVES AND FITTINGS s.r.l.

SOCIETÀ UNIPERSONALE

Via Tangoni, 26 - 16030 Casarza Ligure GE - ITALY - Tel. +39 0185 470811 - Fax +39 0185 466894 - E-mail: astore@astore.it - www.astore.it
P.IVA 01086700992 - C.F. 11962910151 - Reg. Imp. di GE 35030/1997 - CCIAA REA 361329