

Raccordi in PVC

U-PVC Pressure fittings

Serie metrica per incollaggio
Metric plain series

Serie filettata cilindrica
BSP parallel threaded series

Serie di passaggio
Plain/threaded series

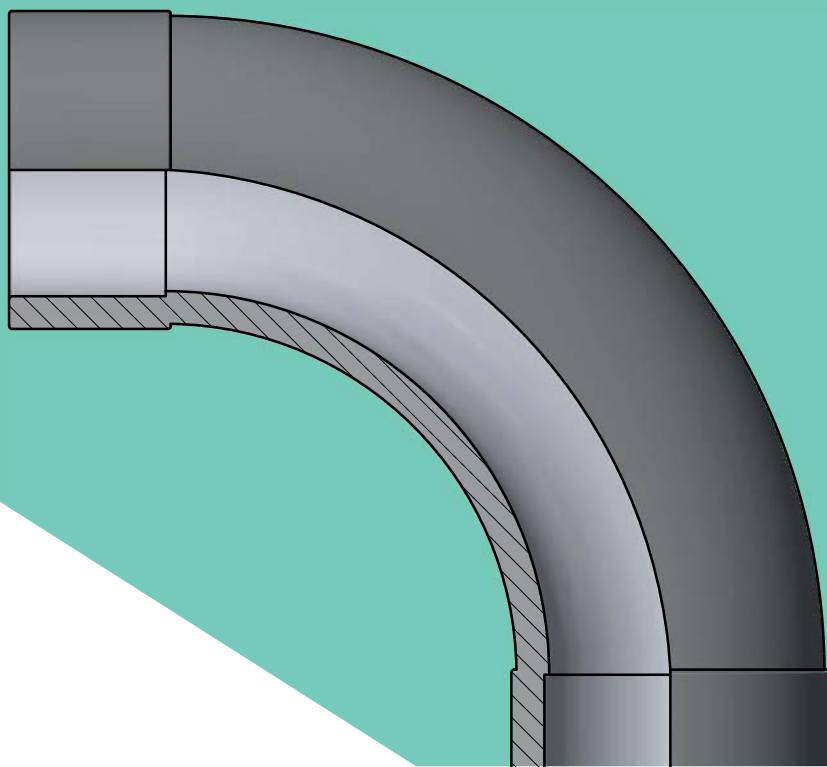
Serie di passaggio con anello di rinforzo metallico
Plain/threaded series with metal reinforcing ring

Raccordo liscio metrico/liscio BS
Plain metric/plain BS fitting

Guarnizioni
Gaskets

U-PVC

U-PVC



Generalità General properties

Material | Materials

PVC

Il cloruro di vinile non plastificato (U-PVC) è uno dei materiali termoplastici più usati nelle applicazioni idrauliche ed industriali; è ottenuto per il 43% dall'etilene (derivato dal petrolio) e per il 57% dal cloro (ricavato dal Cloruro di Sodio).

Il PVC è leggero, ha un'eccellente resistenza agli agenti chimici e alle abrasioni, è assolutamente inodore e privo di sapore ed è quindi il materiale ideale per le condutture di acqua potabile (anche grazie all'assenza di porosità che facilita lo scorrimento dei fluidi senza la formazione di depositi). L'accoppiamento di tubi e raccordi in PVC può essere fatto sia per incollaggio, sia per avvitamento dei pezzi filettati (con filettatura gas cilindrica BSP).

MATERIALI

Raccordi: PVC rigido (policloruro di vinile non plastificato)
Guarnizioni: EPDM (gomma etilene propilene)
FPM (gomma fluorocarbonica)

TIPI DI COLLEGAMENTO

I raccordi sono disponibili per tre tipi di collegamento:

- per incollaggio, su tubi
- per avvitamento, su tubi e raccordi filettati
- mediante imboccatura mista per collegare un impianto in PVC-UH della serie incollaggio con tubi, raccordi, valvole o accessori filettati

NORMATIVE

I raccordi Comer ad incollaggio sono prodotti in conformità alle seguenti normative: ISO 727, DIN 8063, KIWA BRL-K 17301, UNI EN ISO 1452.

I raccordi filettati sono conformi alle norme ISO 7/1, DIN 2999, BS 21, UNI ISO 228/1

PRESSIONE DI ESERCIZIO IN FUNZIONE DELLA TEMPERATURA

La massima pressione di esercizio è di 16 kg/cm² (227,6 PSI) da circa -20°C a +25°C.

Da +25°C decresce con funzione lineare per raggiungere i 4 kg/cm² (56,9 PSI) a +60°C.

U-PVC PIPE SYSTEMS

U-PVC (unplasticized polyvinyl chloride) is one of the most popular thermoplastic materials used for pipe work installations; it is obtained from ethylene (43%) and chlorine (57%). Light, U-PVC has excellent resistance to chemicals and abrasion, is tasteless and odor less making it ideal for use with potable water systems. Its extremely smooth bore gives excellent flow characteristic without sediment or deposit.

Connections can be made by either solvent cement or BSP threaded fittings.

MATERIALS

Fittings: U-PVC (unplasticized polyvinyl chloride)
Gaskets: EPDM (ethylene - polypropylene rubber)
FPM (fluorocarbonic - rubber)

RANGE

A very wide range of fittings is available:

- for solvent jointing is metric or B.S. (imperial) sizes;
- BSP threaded
- adaptor fittings to connect a solvent weld U-PVC piping system to pipes, fittings, valves, accessories with BSP threads.

STANDARDS

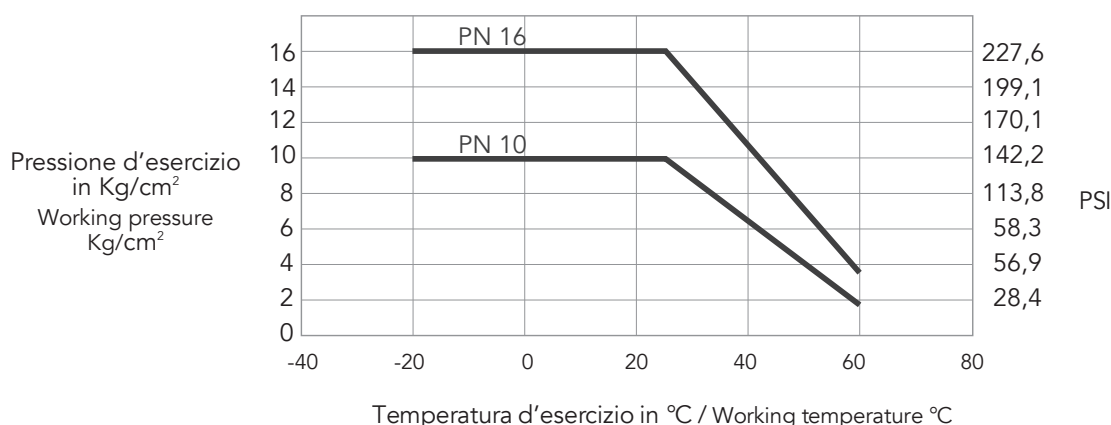
All Comer fittings for solvent jointing are manufactured according to: ISO 727, DIN 8063, KIWA BRL-K 17301, EN ISO 1452. Threaded fittings according to ISO 7/1, DIN 2999, BS 21, UNI ISO 228/1.

PRESSURE-TEMPERATURE RELATIONSHIP

The maximum working pressure is 16 kg/cm² (227,6 PSI) from -20°C to +25°C.

Above +25°C the working pressure decrease by a linear way down to 4 kg/cm² (56,9 PSI) to +60°C

Pressione d'esercizio in funzione della temperatura secondo DIN 3441 BLATT 1 Pressure-Temperature relationship according to DIN 3441 BLATT 1



Resistenze meccaniche | Mechanical properties

Massima pressione d'esercizio in Kg/cm ²			Max working pressure in Kg/cm ²		
Serie	Dimensioni	PN	Series	Dimensions	NP
Incollaggio	da D16 a D160	16	Solvent jointing	from D16 to D160	16
Incollaggio	da D200 a D315	10	Solvent jointing	from D200 to D315	10
Filettata	da G3/8" a G4"	16	Threaded	from G3/8" to G4"	16
Di passaggio	da D16 a D110	16	Adaptor set	from D16 to D110	16

Fattore di sicurezza a 20°C				Safety factor at 20°C			
PN pressione nominale	ORE 1	ORE 1000	CorrISP. a 50 anni	NP	HOURS 1	HOURS 1000	CorrISP. to 50 years
10 Bar	6.7	5.1	4.0	10 Bar	6.7	5.1	4.0
16 Bar	4.2	3.2	2.5	16 Bar	4.2	3.2	2.5

Nota: i raccordi con (*) hanno una PN di 16 bar con coeff. di sicurezza ridotto

Note: Sizes with * NP 16 with reduced safety factor

Resistenza chimica | Chemical resistance

Il PVC eccellenti caratteristiche chimiche essendo resistente alla maggior parte delle soluzioni saline, acide, basiche, alcaline ed ai solventi solubili in acqua. Il PVC non è invece resistente agli idrocarburi aromatici o clorurati. Per maggiori informazioni vedere la tabella delle Resistenze Chimiche a pag. 67

U-PVC has chemical resistance properties which are excellent being resistant to most solutions of salts, acids, alkalis and water-soluble solvents. PVC is NOT resistant to aromatic or chlorinated hydrocarbons. For information on specific chemical resistance please see details at page 67

Abbreviazioni | Abbreviations

D	diametro di accoppiamento per tubi di materie plastiche, corrispondente al diametro esterno del tubo e interno del raccordo femmina (in mm)	D	connecting size for plastic piping corresponding to external diameter of pipe and internal diameter of female fittings.
D"	diametro nominale di accoppiamento per incollaggio in pollici	D"	nominal diameter for connecting B.S. piping (inches)
DN	diametro di accoppiamento per tubi metallici corrispondenti approssimativamente al diametro interno del tubo	DN	nominal diameter for metal pipes corresponding approximately to internal diameter
G	diametro nominale di accoppiamento per tubi della serie filettata (in pollici)	G	nominal diameter for threaded pipes and fittings (inches)

Proprietà fisiche del PVC rigido | Fisical properties of U-PVC

Caratteristiche Characteristics	Metodo Method	Unità di misura Units	PVC U-PVC
Peso specifico Density	DIN 53479	g / cm ³	1.40
Allungamento a rottura Elongation	ISO R527	%	125
Modulo elastico Modulus to traction	ISO R527	Kg / cm ²	30.000
Resistenza alla trazione Resistance to traction	ISO R527	N / mm ²	55
Tensione di snervamento Tensile Strength	ISO R527	kg / cm ²	520
Resistenza IZOD con intaglio a 23°C ZOD Impact strength at 23°C	ASTM D256	Kg cm / cm	3,5/4,5
Rammollimento Vicat con 5 Kg Vicat softening point with 5 Kgs	ISO R306	°C	76
Conducibilità termica Thermal conductivity	ASTM C177	kcal / mh°C	0,15
Coefficiente di dilatazione lineare Coefficient of linear expansion	ASTM D696	m / m°C	8x10
Assorbimento d'acqua Water absorption	ISO R527	mg/cm ³	<4
Infiammabilità Flammability			autoestinguente M1 selfextinguishing M1



Tolleranze di accoppiamento serie metrica per incollaggio in accordo con: Pipe fitting tolerances for solvent joint according to:

Raccordi | Fittings: ISO 727, DIN 8063, KIWA BRL-K 504, NF T54-028, UNI EN ISO 1452

Tubi | Pipes: ISO 161, DIN 8062, KIWA 49, NPT54-016

D	DN Diametro Nominale Nominal Diameter	Diametro esterno medio raccordo Mean outside diameter of fittings		Diametro interno medio raccordo Mean inside diameter of fittings	
		Min	Max	Min	Max
16	10	16	16,2	16,1	16,3
20	15	20	20,2	20,1	20,3
25	20	25	25,2	25,1	25,3
32	25	32	32,2	32,1	32,3
40	32	40	40,2	40,1	40,3
50	40	50	50,2	50,1	50,3
63	50	63	63,2	63,1	63,3
75	65	75	75,2	75,1	75,3
90	80	90	90,2	90,1	90,3
110	100	110	110,3	110,1	110,4
125	110	125	125,3	125,1	125,4
140	125	140	140,3	140,2	140,5
160	150	160	160,3	160,2	160,5
200	175	200	200,4	200,2	200,6
225	200	225	225,4	225,3	225,7
250	225	250	250,5	250,3	250,8
280	250	280	280,5	280,3	280,9
315	280	315	315,5	315,4	316,0

Dimensioni filettature in accordo con: Threading dimension according to:

ISO 7/1, UNI ISO 228/1, BS 21, DIN 2999

G Diametro Nominale Nominal Diameter	Diametro esterno filettatura Diameter of screw	Passo Pitch		Altezza filetto Depth of thread	Lunghezza utile filettatura cilindrica Length of thread assembling
		N° fil/1"	mm		
3/8"	16,66	19	1,337	0,856	11,04
1/2"	20,95	14	1,814	1,162	15,0
3/4"	26,44	14	1,814	1,162	16,3
1"	33,25	11	2,309	1,479	19,1
1 1/4"	41,91	11	2,309	1,479	21,4
1 1/2"	47,80	11	2,309	1,479	21,4
2"	59,61	11	2,309	1,479	25,7
2 1/4"	65,71	11	2,309	1,479	-
2 1/2"	75,18	11	2,309	1,479	30,2
2 3/4"	81,53	11	2,309	1,479	-
3"	87,88	11	2,309	1,479	33,3
4"	113,03	11	2,309	1,479	39,3
5"	138,43	11	2,309	1,479	43,6
6"	163,83	11	2,309	1,479	43,6

Istruzioni per il montaggio

Assembling instructions

Dilatazione termica | Thermal Expansion

Il coefficiente di dilatazione lineare del PVC è $7 \times 10^{-5}/^{\circ}\text{C}$. In alcuni casi è importante adottare le opportune misure in previsione della dilatazione termica della condotta.

The thermal coefficient of linear expansion for PVC is $7 \times 10^{-5}/^{\circ}\text{C}$. In some cases it is necessary to make special provision for this expansion and contraction.

Serie metrica | Metric series

I raccordi in PVC rigido della serie metrica possono essere incollati tra loro e sui tubi dello stesso materiale a condizione che il tubo abbia dimensioni e tolleranze conformi a quanto indicato a pagina 30. È consigliabile l'uso di un collante forte di tipo denso specialmente nell'accoppiamento di diametri grandi dove il gioco (per effetto di ovalizzazioni) potrebbe essere in certi punti elevato; detto gioco non dovrebbe mai essere superiore a 0,6 mm con collante di tipo denso e 0,3 mm con collante di tipo fluido (per garantire una perfetta tenuta). Per eseguire un perfetto incollaggio si raccomanda di seguire scrupolosamente le istruzioni fornite dal fabbricante del collante, che abbiamo di seguito sommariamente riassunto:

A togliere sia dal tubo, opportunamente tagliato a 90° e smussato all'estremità, che dal raccordo, ogni traccia di grasso, olio o semplice polvere, mediante un panno pulito e imbevuto di diluente

B applicare, con pennello adeguato, sia sul raccordo che sul tubo, uno strato di collante uniforme e sufficiente a coprire tutta la superficie da incollare

C inserire immediatamente, entro 1 o 2 minuti, la parte da incollare nel calettamento femmina del raccordo

D si raccomanda di togliere rapidamente ogni eccesso di collante non trattenuto dall'accoppiamento.

Si raccomanda inoltre di non sottoporre a sollecitazioni meccaniche i pezzi appena incollati e comunque di attendere i tempi consigliati dal fabbricante del collante per la manipolazione, la posa e il collaudo a pressione dell'impianto.

U-PVC fittings of metric series can be glued to each other and on pipes in the same material provided that sizes and tolerances are in accordance with the standardizations and tolerances given on page 30. A strong, dense-type glue is recommended, especially for coupling large diameters, where the clearance may be high due to the ovalization effect; such clearance anyhow, in order to guarantee a perfect seal, should never exceed 0,6 mm with a dense-type glue and 0,3 mm with a fluid-type glue. To obtain a perfect gluing, it is recommended that the glue manufacturer's instructions are strictly followed. These instructions can be summarized as follows:

A remove all traces of grease, oil or simply dust from both the pipe (properly cut at 90° and bevelled at the tip) and the fitting by means of a clean cloth soaked in diluent;

B apply by a suitable brush, a uniform layer of glue, both to the fitting and to the pipe, so as to cover the entire surface to be glued

C immediately (in 1 to 2 minutes) insert the part to be glued in the female keying of the fitting

D it is recommended that all glue in excess, which is not held by the coupling, be quickly removed.

It is also recommended that freshly glued parts should not be submitted to mechanical stresses. The glue manufacturer's instructions concerning how long to wait before handling, and concerning sticking and pressure testing the system should be carefully followed.

Serie filettata | Threaded series

I raccordi in PVC rigido della serie filettata o di passaggio possono essere avvitati tra loro o su tubi e altri pezzi filettati di altro materiale ma conformi alle norme indicate a pagina 30. Onde conseguire un agevole avvitamento e una perfetta tenuta, si raccomanda l'uso di nastro di PTFE di buona qualità ed in quantità sufficiente ad eliminare il giuoco, senza provocare serraggi troppo forzati. È assolutamente da evitare l'uso di canapa, stoppa e filacce normalmente impiegate per raccordi metallici. Detti materiali, al contrario di quanto avviene per il PTFE, se utilizzati in quantità eccessiva, provocano un'espansione del raccordo femmina tale da innescare rotture sia in fase di montaggio, sia successivamente durante l'esercizio.

U-PVC fittings of the threaded series or of the adaptor series can be screwed to each other or to pipes and other threaded parts in other materials in accordance with the rules given on Page 30. In order to obtain easy screwing and perfect seal, the use of high quality PTFE tape is recommended in a quantity sufficient to avoid clearance without causing too tight shutting. The use of hemp, tow and lint, usually employed for metal fittings, is to be absolutely avoided. Such materials, contrary to what happens with PTFE, are not rejected by coupling even when used in excess, making the female fitting expand in such a way to cause breakages both during the assembly stage and later, during operation.

Incollaggio | Solvent cement

L'uso di una colla adeguata è particolarmente importante per un corretto accoppiamento di tubo e raccordo che deve formare un anello di materiale all'esterno della giunzione. Indicativamente il numero di incollaggi realizzabili con un litro di colla sono i seguenti:

The correct solvent cement, which creates a bond between pipe and fittings, must be used for solvent welding. An indication of the number of joints likely to be made for litre of solvent cement is the following:

Misura Size	Incollaggi Joint
16 - 32	300
40 - 63	120
90	50
110	30
160	15
200	8

Distanza di montaggio portatubi | Distance of pipe clips

La distanza "s", cioè l'intervallo fra due ferma-tubi, in tubazioni orizzontali, è indicata dalle norme DIN 16928 considerando comunque i seguenti fattori:

- materiale del tubo, diametro, spessore
- temperatura media della parete del tubo

I diagrammi sono stati calcolati per fluidi con densità 1 kg/dm^3 . In caso di maggiore densità l'intervallo fra due fermatubi deve essere ridotto. Le norme DIN 16928 indicano la flessione "f" ammessa per il tubo considerando il peso del tubo stesso più il liquido, in mm (e %) sul diametro esterno del tubo. Come valori orientativi di "f" valgono:

- U-PVC, PVC-C 2 mm
- PVDF 3 mm
- PP-HDPE 4 mm

Questi valori indicativi sono la base dei vari diagrammi secondo il diametro dei tubi e la temperatura di lavoro: valgono per montaggi di tubi in orizzontale. Per montaggi a soffitto si prega di chiedere alla nostra assistenza tecnica, dando le caratteristiche dell'installazione stessa.

Le norme DIN 16928 raccomandano le stesse distanze anche per montaggi verticali.

The distance between two pipe clips, on horizontal pipes, is shown in the standard DIN 16928 considering following parameters:

- pipe material, size, wall thickness
- average temperature of pipe wall

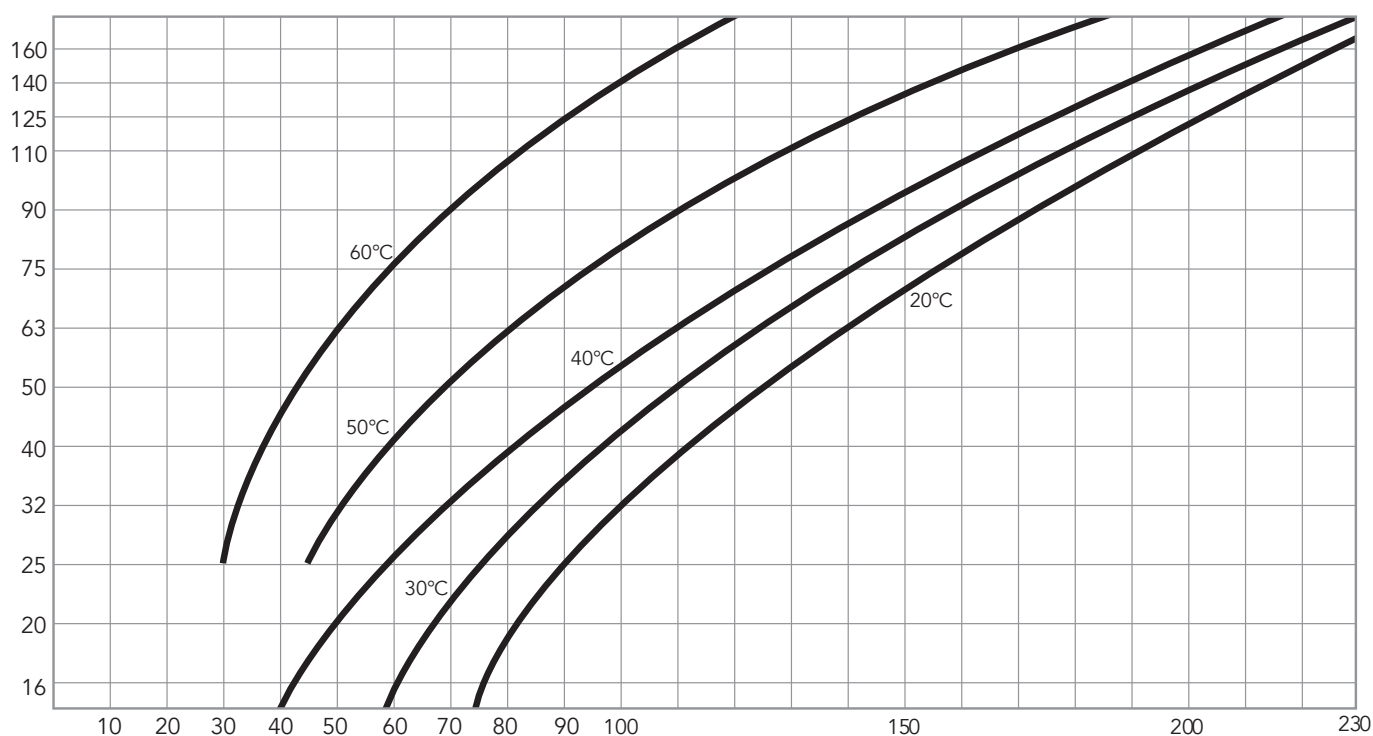
The diagram is made for fluids with density 1 kg/dm^3 .

In case of higher density the distance between the pipe clips has to be reduced. The standard DIN 16928 admits a pipe flexion according to the weight of pipe and fluid on the external diameter of pipe

- U-PVC, PVC-C 2 mm
- PVDF 3 mm
- PP-HDPE 4 mm

These approximate values are the basis of the various diagrams according to the diameter of the tubes and the working temperature: they are valid for assembly of pipes horizontally. For ceiling mounting please ask our technical assistance, by living the characteristics of the installation.

The DIN norm 16928 recommends the same distances for vertical mounting.

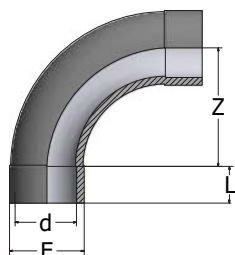


Distanza porta tubi (cm) | Distance of pipe clips

Serie metrica per incollaggio Metric plain series

BE30

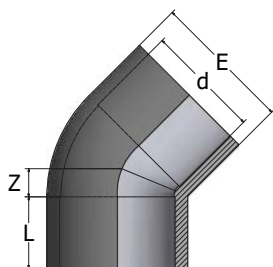
Curva a 90°
90° Bend



CODE	d	L	Z	E	Gr.
BE300200	16	16	40	28	45
BE300250	20	19	50	35	74
BE300320	25	22	64	42	125
BE300400	32	26	80	51	210
BE300500	40	31	100	63	318
BE300630	50	38	126	77	550
BE300750	63	44	150	94	1015
BE300900	75	51	180	113	1760
BE301100	90	61	220	132	2830

EY50

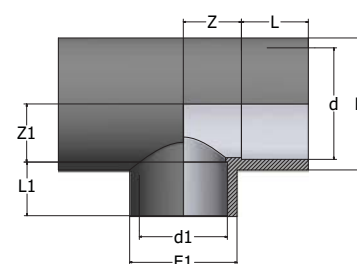
Gomito a 45°
45° Elbow



CODE	d	L	Z	E	Gr.
EY500160	16	14	6	23	110
EY500200	20	16	6	28	180
EY500250	25	19	6	34	290
EY500320	32	22	8	42	480
EY500400	40	26	10	51	740
EY500500	50	31	12	61	110
EY500630	63	38	15	75	182
EY500750	75	44	18	88	302
EY500900	90	51	21	106	534
EY501100	110	61	25	128	919
EY501250	125	69	27	145	1.075
EY501400	140	76	32	164	1.567
EY501600	160	86	36	184	2.150
EY502000	200	106	43	232	4.550
EY502250	225	119	49	258	5.712

TR40

Ti a 90° ridotto
90° Reduced tee

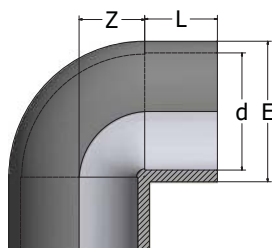


CODE	dxd1	L	L1	Z	Z1	E	E1	Gr.
TR40020A	20x16	16	14	11	11	28	24	24
TR40025A	25x16	19	16	14	14	34	28	41
TR40025B	25x20	19	14	14	14	34	24	41
TR40032A	32x16	22	14	17	17	42	24	67
TR40032B	32x20	22	16	17	17	42	28	67
TR40032C	32x25	22	19	17	17	42	34	68
TR40040A	40x16	26	14	21	21	51	24	108
TR40040B	40x20	26	16	21	21	51	28	108
TR40040C	40x25	26	19	21	21	51	34	109
TR40040D	40x32	26	22	21	21	51	42	113
TR40050B	50x20	31	16	26	26	61	28	180
TR40050C	50x25	31	19	26	26	61	34	165
TR40050D	50x32	31	22	26	26	61	42	166
TR40050E	50x40	31	26	26	26	61	51	174
TR40063B	63x20	38	16	33	33	75	28	278
TR40063C	63x25	38	19	33	33	75	34	277
TR40063D	63x32	38	22	33	33	75	42	281
TR40063E	63x40	38	26	33	33	75	51	287
TR40063F	63x50	38	31	33	33	75	61	295
TR40075D	75x32	44	22	39	39	89	42	479
TR40075E	75x40	44	26	39	39	89	51	453
TR40075F	75x50	44	31	39	39	89	61	454
TR40075G	75x63	44	38	39	39	89	75	466
TR40090E	90x40	51	26	47	47	106	51	721
TR40090F	90x50	51	31	47	47	106	61	733
TR40090G	90x63	51	38	47	47	106	75	800
TR40090H	90x75	51	44	47	47	106	89	732
TR40110F	110x50	61	31	57	57	129	61	1.383
TR40110G	110x63	61	38	57	57	129	75	1.167
TR40110H	110x75	61	44	57	57	129	89	1.225
TR40110I	110x90	61	51	57	57	129	106	1.460
TR40125G	125x63	69	44	66	66	148	75	1.562
TR40125H	125x75	69	44	66	66	148	89	1.637
TR40125I	125x90	69	51	66	66	148	106	1.700
TR40125L	125x110	69	61	66	66	148	129	1.687
TR40140H	140x75	76	44	72	72	163	89	2.300
TR40140I	140x90	76	51	72	72	163	106	2.300
TR40140L	140x110	76	61	72	72	163	129	2.375
TR40140M	140x125	76	69	72	72	163	148	2.450
TR40160I	160x90	86	51	82	82	184	106	3.000
TR40160L	160x110	86	61	82	82	184	129	3.100
TR40160M	160x125	86	69	82	82	184	148	3.200
TR40160N	160x140	86	76	82	82	184	163	3.267



EL50

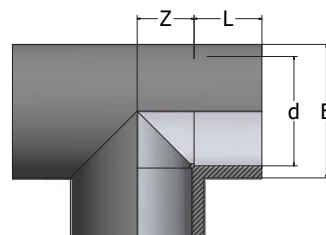
Gomito a 90°
90° Elbow



CODE	d	L	Z	E	Gr.
EL500160	16	14	9	24	13
EL500200	20	16	11	27	17
EL500250	25	19	14	33	30
EL500320	32	22	17	41	50
EL500400	40	26	23	50	88
EL500500	50	31	28	60	135
EL500630	63	38	34	75	246
EL500750	75	44	40	89	383
EL500900	90	51	48	106	616
EL501100	110	61	58	129	1.058
EL501250	125	69	66	145	1.430
EL501400	140	76	73	164	2.000
EL501600	160	86	81	188	3.275
EL502000	200	106	102	232	5.661
EL502250	225	119	115	258	8.085

TE40

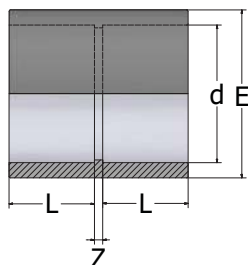
Ti a 90°
90° Tee



CODE	d	L	Z	E	Gr.
TE400160	16	14	9	24	18
TE400200	20	16	11	28	25
TE400250	25	19	14	34	43
TE400320	32	22	17	42	73
TE400400	40	26	21	51	120
TE400500	50	31	26	61	180
TE400630	63	38	33	75	310
TE400750	75	44	39	89	494
TE400900	90	51	47	106	790
TE401100	110	61	57	130	1.450
TE401250	125	69	64	145	1.828
TE401400	140	76	72	163	2.626
TE401600	160	86	81	188	4.200
TE402000	200	106	102	232	7.475
TE402250	225	119	114	258	9.500

SO10

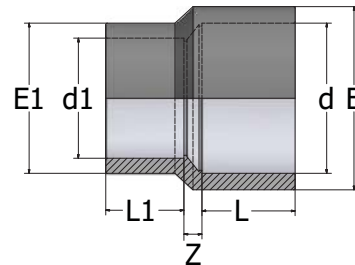
Manicotto
Socket



CODE	d	L	Z	E	Gr.
SO100160	16	14	3	24	9
SO100200	20	16	3	28	15
SO100250	25	19	3	34	24
SO100320	32	22	3	42	37
SO100400	40	26	3	51	58
SO100500	50	31	3	61	85
SO100630	63	38	3	75	144
SO100750	75	44	4	88	221
SO100900	90	51	5	106	351
SO101100	110	61	6	126	604
SO101250	125	69	7	145	805
SO101400	140	76	9	161	1.200
SO101600	160	86	8	181	1.387
SO102000	200	106	11	226	2.610
SO102250	225	119	11	253	3.655

RS10

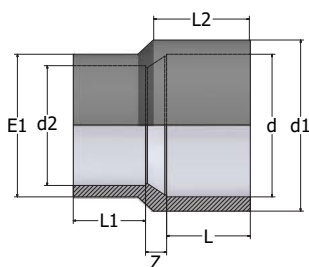
Riduzione femmina
Female reducing socket



CODE	dxd1	L	L1	Z	E	E1	Gr.
RS10020A	20x16	16	14	6	28	23	14
RS10025B	25x20	19	16	6	34	28	22
RS10032C	32x25	22	19	6	42	33	36
RS10040D	40x32	26	22	6	51	41	53
RS10050E	50x40	31	26	6	61	50	80
RS10063F	63x50	38	31	6	75	61	131
RS10075G	75x63	44	38	6	89	75	190
RS10090H	90x75	51	44	6	106	88	297
RS10110I	110x90	61	51	6	129	106	507
RS10125L	125x110	69	61	7	145	128	760
RS10140L	140x110	76	61	19	160	128	912
RS10140M	140x125	76	69	19	160	145	992
RS10160L	160x110	86	61	28	180	129	1.234
RS10160N	160x140	86	76	8	184	164	1.675
RS10200O	200x160	106	86	49	226	180	2.575
RS10225P	225x200	119	106	11	258	227	5.150

RP20

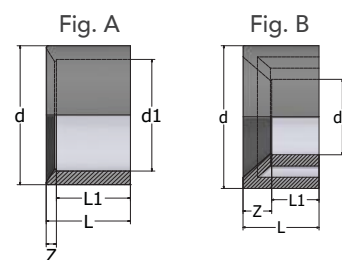
Riduzione femmina/
maschio-femmina
Reducing piece female/
male-female



CODE	dxd1xd2	L	L1	L2	Z	E1	Gr.
RP20025A	20x25x16	16	14	19	6	23	10
RP20025B	20x25x20	16	16	19	6	28	8
RP20032A	25x32x16	19	14	22	6	23	16
RP20032B	25x32x20	19	16	22	6	28	17
RP20032C	25x32x25	19	19	22	6	33	18
RP20040B	32x40x20	22	16	24	9	28	27
RP20040C	32x40x25	22	19	24	8	33	27
RP20040D	32x40x32	22	22	26	9	41	28
RP20050B	40x50x20	26	16	31	9	28	47
RP20050C	40x50x25	28	19	31	12	33	49
RP20050D	40x50x32	28	22	31	9	41	53
RP20050E	40x50x40	26	26	31	10	50	56
RP20063C	50x63x25	32	19	38	19	33	86
RP20063D	50x63x32	31	22	38	12	41	88
RP20063E	50x63x40	31	26	38	12	50	93
RP20063F	50x63x50	31	31	38	12	61	94
RP20075D	63x75x32	38	22	44	23	41	125
RP20075E	63x75x40	38	26	44	17	50	125
RP20075F	63x75x50	38	31	44	12	61	130
RP20075G	63x75x63	38	38	44	3	75	140
RP20090E	75x90x40	44	26	51	23	50	205
RP20090F	75x90x50	44	31	51	18	61	200
RP20090G	75x90x63	44	38	51	11	75	222
RP20090H	75x90x75	44	44	51	3	88	237
RP20110E	90x110x40	51	26	61	33	50	382
RP20110F	90x110x50	51	31	61	28	61	371
RP20110G	90x110x63	51	38	61	22	75	378
RP20110H	90x110x75	51	44	61	16	88	402
RP20110I	90x110x90	51	51	61	5	106	442
RP20125F	110x125x50	61	31	69	34	61	386
RP20125G	110x125x63	61	38	69	28	75	398
RP20125H	110x125x75	61	44	69	23	88	428
RP20125I	110x125x90	61	51	69	17	106	490
RP20125L	110x125x110	61	61	69	5	129	675
RP20140I	125x140x90	69	51	76	24	106	580
RP20140L	125x140x110	69	61	76	17	129	645
RP20140M	125x140x125	69	69	76	6	145	590
RP20160I	140x160x90	76	51	86	24	106	812
RP20160L	140x160x110	76	61	86	18	129	912
RP20160M	140x160x125	76	69	86	8	145	950
RP20160N	140x160x140	76	76	86	8	164	1.000

RB90

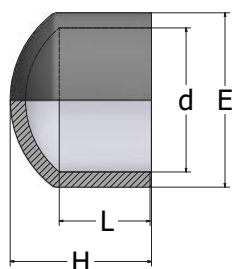
Riduzione corta
maschio/femmina
Reducing bush
male/female



CODE	dxd1	L	L1	Z	Fig.	Gr.
RB90020A	20x16	16	14	2	A	5
RB90025A	25x16	19	14	5	A	10
RB90025B	25x20	19	16	3	A	6
RB90032A	32x16	22	14	8	B	15
RB90032B	32x20	22	16	6	A	15
RB90032C	32x25	22	19	3	A	10
RB90040B	40x20	26	16	10	B	29
RB90040C	40x25	26	19	7	A	28
RB90040D	40x32	26	22	4	A	19
RB90050C	50x25	33	19	14	B	45
RB90050D	50x32	33	22	9	B	45
RB90050E	50x40	33	28	5	A	35
RB90063C	63x25	38	19	19	B	86
RB90063D	63x32	38	22	16	B	83
RB90063E	63x40	38	26	12	B	83
RB90063F	63x50	38	31	7	A	61
RB90075D	75x32	44	22	22	B	135
RB90075E	75x40	44	26	18	B	125
RB90075F	75x50	44	31	14	B	122
RB90075G	75x63	44	38	6	A	85
RB90090F	90x50	51	31	20	B	205
RB90090G	90x63	51	38	13	B	180
RB90090H	90x75	51	44	7	A	140
RB90110G	110x63	61	38	23	B	372
RB90110H	110x75	61	44	17	B	342
RB90110I	110x90	61	51	10	A	266
RB90125H	125x75	69	44	25	B	440
RB90125I	125x90	69	51	18	B	373
RB90125L	125x110	69	61	8	A	260
RB90140I	140x90	76	51	25	B	600
RB90140L	140x110	76	61	15	B	480
RB90140M	140x125	76	69	7	A	335
RB90160I	160x90	86	56	30	B	850
RB90160L	160x110	86	61	25	B	820
RB90160M	160x125	86	69	17	B	745
RB90160N	160x140	86	76	10	A	565
RB90180M	180x125	96	69	27	B	1150
RB90180O	180x160	96	86	10	A	705
RB90200O	200x160	106	86	20	B	1360
RB90200S	200x180	106	96	10	A	870
RB90225O	225x160	119	86	33	B	1700
RB90225P	225x200	119	106	13	A	1360

CA70

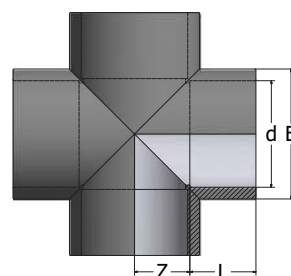
Calotta
Cap



CODE	d	L	H	E	Gr.
CA700160	16	14	22	23	8
CA700200	20	16	27	28	11
CA700250	25	19	31	33	18
CA700320	32	22	36	41	29
CA700400	40	26	43	52	46
CA700500	50	31	49	61	65
CA700630	63	38	57	75	121
CA700750	75	44	67	89	190
CA700900	90	51	80	106	293
CA701100	110	61	95	129	490
CA701250	125	69	102	145	685
CA701400	140	76	114	161	920
CA701600	160	86	126	181	1.079
CA702000	200	106	145	227	2.015
CA702250	225	119	160	254	2.730

CR30

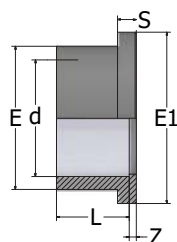
Croce a 90°
90° Cross



CODE	d	L	Z	E	Gr.
CR300200	20	16	11	28	29
CR300250	25	19	14	34	49
CR300320	32	22	17	42	84
CR300400	40	26	21	51	140
CR300500	50	31	26	61	206
CR300630	63	38	33	75	345
CR300750	75	44	40	89	574
CR300900	90	51	46	106	950
CR301100	110	61	56	130	1.600

ST20

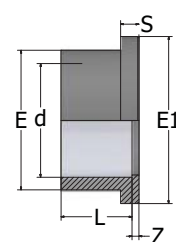
Collare per flangia
rigato
Stub serrated



CODE	d	DN	L	Z	S	E	E1	PN	Gr.
ST200200	20	15	16	3	6	27	34	16	10
ST200250	25	20	19	3	7	33	41	16	18
ST200320	32	25	22	3	7	41	50	16	26
ST200400	40	32	26	3	8	50	61	16	41
ST200500	50	40	31	3	8	61	73	16	62
ST200630	63	50	38	3	9	76	90	16	111
ST200750	75	65	44	3	10	90	106	16	157
ST200900	90	80	51	5	11	108	125	16	260
ST201100	110	100	61	5	12	131	150	16	420
ST201250	125	110	69	5	12	147	167	16	540
ST201400	140	125	76	7	13	163	187	16	740
ST201600	160	150	86	6	16	185	213	16	1.012
ST202000	200	200	106	7	18	231	253	16	1.857
ST202250	225	200	119	8	19	247	274	16	1.734

ST10

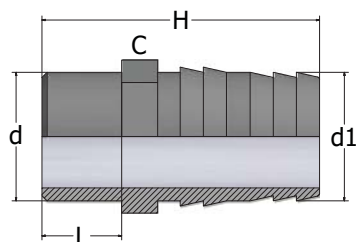
Collare per flangia liscio
Stub flat face



CODE	d	DN	L	Z	S	E	E1	Gr.
ST100200	20	15	16	3	6	27	34	10
ST100250	25	20	19	3	7	33	41	16
ST100320	32	25	22	3	7	41	50	25
ST100400	40	32	26	3	8	50	61	40
ST100500	50	40	31	3	8	61	73	60
ST100630	63	50	38	3	9	76	90	113
ST100750	75	65	44	3	10	90	106	160
ST100900	90	80	51	5	11	108	125	263
ST101100	110	100	61	5	12	131	150	420
ST101250	125	110	69	5	12	147	167	540
ST101400	140	125	76	7	13	163	187	750
ST101600	160	150	86	6	16	185	213	1.045
ST102000	200	200	106	7	18	231	253	1.857
ST102250	225	200	119	8	19	247	274	1.734

HN60

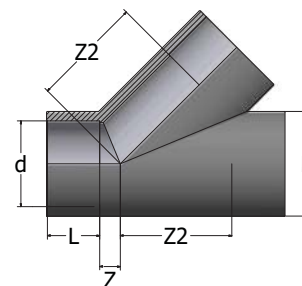
Portagomma
Hose nozzle



CODE	d	d1	L	H	C	Gr.
HN600120	12	12	11	52	19	9
HN600160	16	16	14	66	19	14
HN600200	20	20	16	70	24	19
HN600250	25	25	19	79	30	31
HN600320	32	32	22	83	36	49
HN600400	40	40	26	96	46	72
HN600500	50	50	31	108	55	135
HN600630	63	63	38	130	65	206

TY40

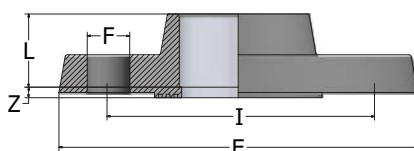
Ti a 45°
45° Tee



CODE	d	L	Z	Z2	E	Gr.
TY400200	20	16	7	29	28	35
TY400250	25	19	7	36	34	58
TY400320	32	22	8	44	42	102
TY400400	40	26	10	54	51	172
TY400500	50	31	12	65	61	254
TY400630	63	38	14	80	75	423
TY400750	75	44	20	94	89	695
TY400900	90	51	21	113	106	1.108
TY401100	110	61	23	143	129	1.978

FF00

Flangia fissa
Fixed flange



CODE	d	DN	L	Z	E	S	I	F	N.Fori Drill	Bulloni Bolts	Gr.
FF000200	20	15	16	5	95	11	65	14	4	M12x55	75
FF000250	25	20	19	5	105	12	75	14	4	M12x60	102
FF000320	32	25	22	5	115	14	85	14	4	M12x60	138
FF000400	40	32	26	5	142	15	100	18	4	M16x70	228
FF000500	50	40	31	5	152	16	110	18	4	M16x75	284
FF000630	63	50	38	5	165	18	125	18	4	M16x80	675
FF000750	75	65	44	6	185	19	145	18	4	M16x90	520
FF000900	90	80	51	7	200	20	160	18	8	M16x90	697
FF001100	110	100	61	8	220	22	180	18	8	M16x100	971

BR00

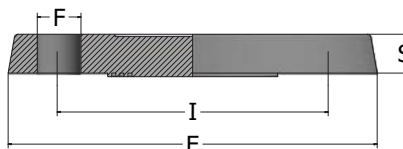
Flangia libera
Loose flange



CODE	d	DN	D	E	S	I	F	N.Fori Drill	Bulloni Bolts	Gr.
BR000200	20	15	28	95	11	65	14	4	M12x55	67
BR000250	25	20	34	105	12	75	14	4	M12x60	88
BR000320	32	25	42	115	14	85	14	4	M12x60	116
BR000400	40	32	51	142	15	100	18	4	M16x70	194
BR000500	50	40	62	152	16	110	18	4	M16x75	229
BR000630	63	50	78	165	18	125	18	4	M16x80	266
BR000750	75	65	92	185	19	145	18	4	M16x90	348
BR000900	90	80	110	200	20	160	18	8	M16x90	432
BR001100	110	100	133	220	22	180	18	8	M16x100	521
BR001250	125	110	149	230	24	190	18	8	M16x100	555
BR001400	140	125	167	250	26	210	18	8	M16x110	678
BR001600	160	150	190	285	28	240	22	8	M20x120	936
BR002000	200	200	235	340	30	295	22	8	M20x120	1.280
BR002250	225	200	250	340	30	295	22	8	M20x120	1.220

BF00

Flangia cieca
Blind flange

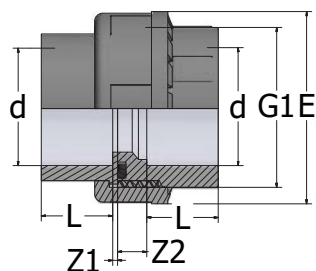


CODE	d	DN	E	S	I	F	N.Fori Drill	Bulloni Bolts	Gr.
BF000200	20	15	95	11	65	14	4	M12x55	76
BF000250	25	20	105	12	75	14	4	M12x60	99
BF000320	32	25	115	14	85	14	4	M12x60	135
BF000400	40	32	142	15	100	18	4	M16x70	220
BF000500	50	40	152	16	110	18	4	M16x75	271
BF000630	63	50	165	18	125	18	4	M16x80	364
BF000750	75	65	185	19	145	18	4	M16x90	509
BF000900	90	80	200	20	160	18	8	M16x90	660
BF001100	110	100	220	22	180	18	8	M16x100	825
BF001250	125	110	230	24	190	18	8	M16x100	955
BF001400	140	125	250	26	210	18	8	M16x110	1.163
BF001600	160	150	285	28	240	22	8	M20x120	1.617
BF002000	200	200	340	30	295	22	8	M20x120	2.280
BF002250	225	200	340	30	295	22	8	M20x120	2.500

Versione BRO-ST in GFPP per collari in PVC (ST10 - ST20) disponibile su richiesta
BRO-ST Version in GFPP for PVC stub (ST10 - ST20) available upon request

UN80

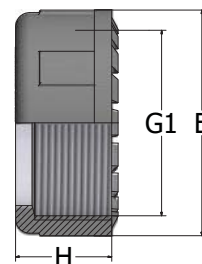
Bocchettone con
O-Ring
Union with O-Ring



CODE	d	L	Z1	Z2	G1	E	O-RING	Gr.
UN800160	16	14	3	10	3/4"	34	3062	30
UN800200	20	16	3	10	1"	42	4081	43
UN800250	25	19	3	10	1 1/4"	52	4112	70
UN800320	32	22	3	10	1 1/2"	59	4131	95
UN800400	40	26	3	12	2"	72	6162	155
UN800500	50	31	3	14	2 1/4"	79	6187	194
UN800630	63	38	3	18	2 3/4"	96	6237	334
UN800750	75	44	3	18	3 1/2"	119	6312	580
UN800900	90	51	5	18	4"	134	6362	762
UN801100	110	61	5	18	5"	163	6450	1.308

NU80

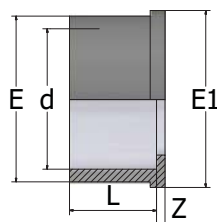
Ghiera per bocchettoni
Nut for unions



CODE	d	H	G1	E	Gr.
NU800160	16	21	3/4"	34	13
NU800200	20	23	1"	43	17
NU800250	25	25	1 1/4"	53	28
NU800320	32	27	1 1/2"	60	39
NU800400	40	30	2"	73	60
NU800500	50	34	2 1/4"	80	76
NU800630	63	38	2 3/4"	98	115
NU800750	75	45	3 1/2"	120	210
NU800900	90	52	4"	134	280
NU801100	110	60	5"	163	450

UE80

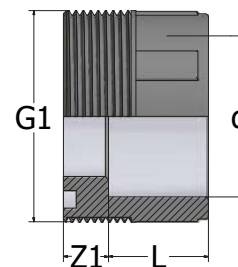
Pezzo folle per
UN80/UN82
*Union end for
UN80/UN82*



CODE	d	L	Z	E	E1	Gr.
UE800160	16	14	3	22	24	6
UE800200	20	16	3	28	30	10
UE800250	25	19	3	36	39	16
UE800320	32	22	3	42	45	22
UE800400	40	26	3	53	57	40
UE800500	50	31	3	59	63	45
UE800630	63	38	3	74	79	80
UE800750	75	44	3	93	97	147
UE800900	90	51	5	105	110	195
UE801100	110	61	5	129	134	350

UB80

Pezzo fisso per UN80
Union bush for UN80

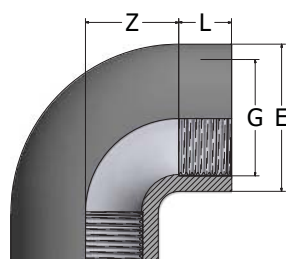


CODE	d	L	Z1	G1	Gr.
UB800160	16	14	10	3/4"	10
UB800200	20	16	10	1"	15
UB800250	25	19	10	1 1/4"	25
UB800320	32	22	10	1 1/2"	35
UB800400	40	26	12	2"	57
UB800500	50	31	14	2 1/4"	80
UB800630	63	38	18	2 3/4"	145
UB800750	75	44	18	3 1/2"	220
UB800900	90	51	18	4"	285
UB801100	110	61	18	5"	480

Serie filettata cilindrica BSP Parallel threaded series

EL51

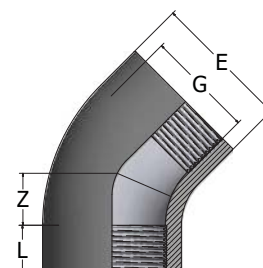
Gomito a 90° filettato
90° Elbow threaded



CODE	G	L	Z	E	Gr.
EL510160	3/8"	11,4	11,6	24	14
EL510200	1/2"	15	12	27	18
EL510250	3/4"	16,3	16,7	33	29
EL510320	1"	19,1	19,9	41	54
EL510400	1" 1/4	21,4	27,6	50	85
EL510500	1" 1/2	21,4	37,6	60	178
EL510630	2"	25,7	46,3	75	329
EL510750	2" 1/2	30,2	53,8	89	430
EL510900	3"	33,3	65,7	106	760
EL511100	4"	39,3	79,7	129	1.022

EY51

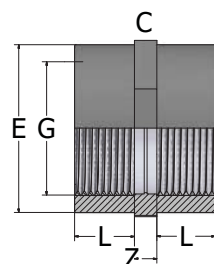
Gomito 45° filettato
45° Elbow threaded



CODE	G	L	Z	E	Gr.
EY510160	3/8"	11,4	8,1	24	11
EY510200	1/2"	15,0	6,5	28	18
EY510250	3/4"	16,3	8,7	34	29
EY510320	1"	19,1	10,9	42	48
EY510400	1" 1/4	21,4	14,6	51	74
EY510500	1" 1/2	21,4	21,6	61	110
EY510630	2"	25,7	27,3	75	182
EY510750	2" 1/2	30,2	31,8	89	340
EY510900	3"	33,3	38,7	106	620
EY511100	4"	39,3	46,7	890	830

SO11

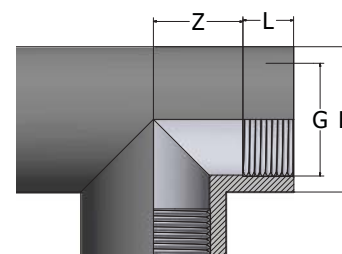
Manicotto filettato
Socket threaded



CODE	G	L	Z	E	C	Gr.
SO110160	3/8"	11,4	6	24	24	9
SO110200	1/2"	15,0	7	27	30	17
SO110250	3/4"	16,3	7	34	36	24
SO110320	1"	19,1	8	41	46	42
SO110400	1" 1/4	21,4	8	50	55	58
SO110500	1" 1/2	21,4	8	60	60	67
SO110630	2"	25,7	8	75	75	119
SO110750	2" 1/2	30,2	9	89	90	198
SO110900	3"	33,3	10	106	108	280
SO111100	4"	39,3	11	129	130	442

TE41

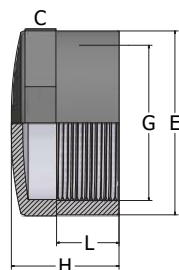
Ti a 90° filettato
90° Tee threaded



CODE	G	L	Z	E	Gr.
TE410160	3/8"	11	11,6	24	19
TE410200	1/2"	15	12,0	27	27
TE410250	3/4"	16	16,7	34	44
TE410320	1"	19	19,9	42	80
TE410400	1" 1/4	21	27,6	51	119
TE410500	1" 1/2	21	37,6	61	234
TE410630	2"	26	46,3	75	416
TE410750	2" 1/2	30	53,8	89	575
TE410900	3"	33	65,7	106	850
TE411100	4"	39	79,7	129	1.280

CA71

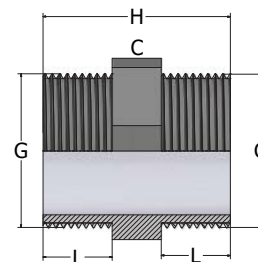
Calotta filettata
Cap threaded



CODE	G	L	H	E	C	Gr.
CA710160	3/8"	11,4	22	23	24	9
CA710200	1/2"	15,0	26	28	30	16
CA710250	3/4"	16,3	28	34	36	22
CA710320	1"	19,1	32	42	46	39
CA710400	1"1/4	21,4	35	51	55	54
CA710500	1"1/2	21,4	35	58	60	63
CA710630	2"	25,7	39	72	75	122
CA710750	2"1/2	30,2	52	89	90	182
CA710900	3"	33,3	56	103	105	269
CA711100	4"	39,3	64	130	130	407

NI61

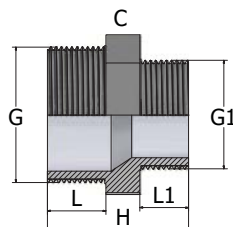
Nipplo filettato
Nipple threaded



CODE	G	L	H	C	Gr.
NI610160	3/8"	11,4	32	19	6
NI610200	1/2"	15,0	42	24	11
NI610250	3/4"	16,3	44	30	18
NI610320	1"	19,1	50	36	28
NI610400	1"1/4	21,4	58	46	47
NI610500	1"1/2	21,4	58	55	60
NI610630	2"	25,7	66	65	98
NI610750	2"1/2	30,2	78	80	143
NI610900	3"	33,3	85	95	230
NI611100	4"	39,3	96	120	345

NR61

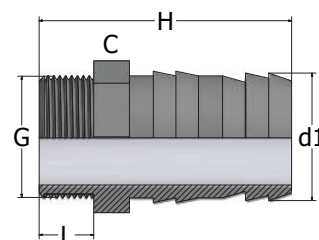
Nipplo ridotto filettato
Reducing nipple threaded



CODE	GxG1	L	L1	H	C	Gr.
NR61020A	1/2"x3/8"	11,4	11,4	38	24	10
NR61025B	3/4"x1/2"	16,3	15,0	43	30	16
NR61032C	1"x3/4"	19,1	16,3	47	36	26
NR61040D	1"1/4x1"	21,4	19,1	56	46	43
NR61050E	1"1/2x1"1/4	21,4	21,4	58	50	60
NR61063F	2"x1"1/2	25,7	21,4	62	65	90
NR61075G	2"1/2x2"	30,2	25,7	73	80	140
NR61090H	3"x2"1/2	33,3	30,2	82	95	211
NR61110I	4"x3"	39,3	33,3	90	120	346

HN61

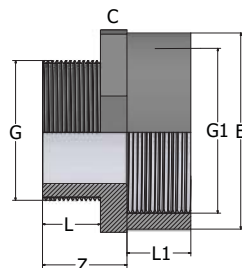
Portagomma filettato
Hose nozzle threaded



CODE	G	d1	L	H	C	Gr.
HN610120	1/4"	12	11,0	52	19	8
HN610160	3/8"	16	11,4	64	19	13
HN610200	1/2"	20	15,0	70	24	18
HN610250	3/4"	25	16,3	76	30	30
HN610320	1"	32	19,1	80	36	48
HN610400	1"1/4	40	21,4	92	46	70
HN610500	1"1/2	50	21,4	99	55	115
HN610630	2"	60	25,7	118	65	190

RE21

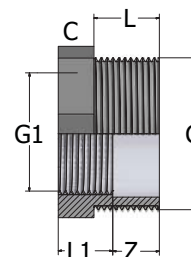
Maggioratore maschio/
femmina filettato
Reducer male/female threaded



CODE	GxG1	L	L1	Z	C	E	Gr.
RE21016B	3/8"x1/2"	11,4	15	22	30	28	16
RE21020C	1/2"x3/4"	15,0	16,3	24	36	34	24
RE21025D	3/4"x1"	16,3	19,1	26	46	42	40
RE21032E	1"x1"1/4	19,1	21,4	30	55	51	61
RE21040F	1"x1"1/2	21,4	21,4	33	60	58	860
RE21050G	1"1/2x2"	21,4	25,7	34	75	72	111
RE21063H	2"x2"1/2	25,7	30,2	38	90	89	185
RE21075I	2"1/2x3"	30,2	33,3	44	105	103	258
RE21090L	3"x4"	33,3	39,3	48	130	130	412

RB91

Riduzione maschio/
femmina corta filettata
Reducing bush male/
female threaded

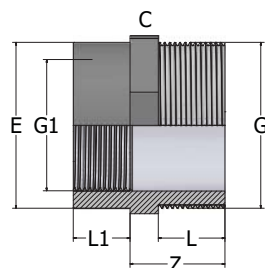


CODE	GxG1	L	L1	Z	C	Gr.
RB91025B	3/4"x1/2"	16,3	15	13,3	30	12
RB91032C	1"x3/4"	19,1	16,3	14,8	36	18
RB91040D	1"1/4x1"	21,4	19,1	16,3	46	34
RB91050E	1"1/2x1"1/4	21,4	21,4	14,0	50	28
RB91063F	2"x1"1/2	25,7	21,4	18,3	65	70
RB91075G	2"1/2x2"	30,2	25,7	20,5	80	128
RB91090H	3"x2"1/2	33,3	30,2	20,1	95	150
RB91110I	4"x3"	39,3	33,3	24,0	120	354

RE61

Riduzione maschio/
femmina filettato

Reducer male/female
threaded

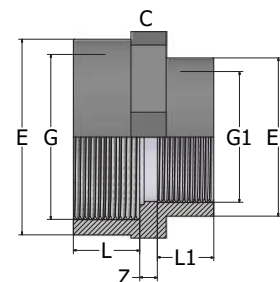


CODE	GxG1	L	L1	Z	C	E	Gr.
RE61020A	1/2"x3/8"	15	11,4	24	34	23	13
RE61025A	3/4"x3/8"	16,3	11,4	25	30	23	16
RE61025B	3/4"x1/2"	16,3	15	26	30	28	18
RE61032A	1"x3/8"	19,1	11,4	28	36	23	25
RE61032B	1"x1/2"	19,1	15,0	29	36	28	26
RE61032C	1"x3/4"	19,1	16,3	30	36	24	26
RE61040B	1"1/4x1/2"	21,4	15	33	46	28	43
RE61040C	1"1/4x3/4"	21,4	16,3	34	46	34	43
RE61040D	1"1/4x1"	21,4	19,1	33	46	42	46
RE61050C	1"1/2x3/4"	21,4	16,3	34	50	34	57
RE61050D	1"1/2x1"	21,4	19,1	34	50	42	58
RE61050E	1"1/2x1"1/4	25,7	21,4	34	55	51	58
RE61063D	2"x1"	25,7	19,1	37	65	42	93
RE61063E	2"x1"1/4	25,7	21,4	37	65	51	97
RE61063F	2"x1"1/2	25,7	21,4	37	65	58	96
RE61075E	2"1/2x1"1/4	30,2	21,4	43	80	51	135
RE61075F	2"1/2x1"1/2	30,2	21,4	43	80	58	135
RE61075G	2"1/2x2"	30,2	25,7	43	80	72	143
RE61090F	3"x1"1/2	33,3	21,4	47	95	58	203
RE61090G	3"x2"	33,3	25,7	47	95	72	210
RE61090H	3"x2"1/2	33,3	30,2	47	95	89	198
RE61110G	4"x2"	39,3	25,7	53	120	72	334
RE61110H	4"x2"1/2	39,3	30,2	53	120	89	337
RE61110I	4"x3"	39,3	33,3	53	120	103	351

RS11

Manicotto ridotto
filettato

Reducing socket
threaded

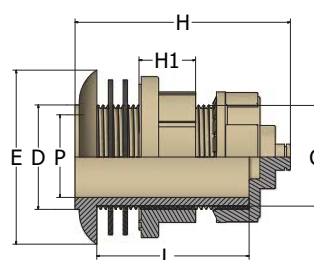


CODE	GxG1	L	L1	Z	C	E	E1	Gr.
RS11020A	1/2"x3/8"	15	11,4	6	24	28	23	17
RS11025B	3/4"x1/2"	16,3	15	7	30	34	28	24
RS11032C	1"x3/4"	19,1	16,3	7	36	42	34	41
RS11040D	1"1/4x1"	21,4	19,1	8	46	51	42	58
RS11050E	1"1/2x1"1/4	21,4	21,4	8	55	58	51	67
RS11063F	2"x1"1/2	25,7	21,4	8	60	72	58	113
RS11075G	2"1/2x2"	30,2	25,7	8	75	89	72	187
RS11090H	3"x2"1/2	33,3	30,2	9	105	103	89	263
RS11110I	4"x3"	39,3	33,3	10	130	130	103	412

TA90

Attacco a serbatoio
filettato in PP

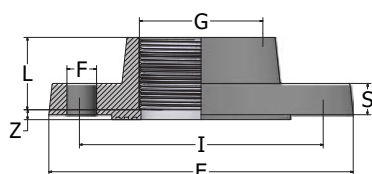
PP tank adaptor threaded



CODE	G	D	E	H	P	L	H1	Gr.
TA900500	1"1/2	48	80	90	37	56	25	133

FF01

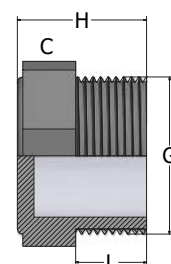
Flangia fissa filettata
Fixed flange threaded



CODE	G	DN	L	Z	E	S	I	F	Gr.
FF010200	1/2"	15	16	4,5	95	11	65	14	75
FF010250	3/4"	20	19	4,5	105	12	75	14	102
FF010320	1"	25	22	4,5	115	14	85	14	138
FF010400	1"1/4	32	26	4,5	142	15	100	18	228
FF010500	1"1/2	40	31	4,5	152	16	110	18	284
FF010630	2"	50	38	4,5	165	18	125	18	375
FF010750	2"1/2	65	44	6,0	185	19	145	18	520
FF010900	3"	80	51	7,0	200	20	160	18	697
FF011100	4"	100	61	8,0	220	22	180	18	971

PL71

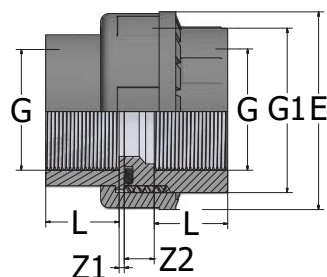
Tappo filettato
Plug threaded



CODE	G	L	H	C	Gr.
PL710160	3/8"	11,4	23	19	5
PL710200	1/2"	15	29	24	10
PL710250	3/4"	16,3	30	30	16
PL710320	1"	19,1	33	36	24
PL710400	1"1/4	21,4	39	46	39
PL710500	1"1/2	21,4	39	55	45
PL710630	2"	25,7	43	65	79
PL710750	2"1/2	30,2	53	80	137
PL710900	3"	33,3	58	95	208
PL711100	4"	39,3	65	120	330

UN81

 Bocchettone con O-ring
filettato

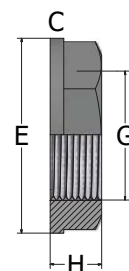
 Union with O-ring
threaded


CODE	G	L	Z1	Z2	G1	E	O-RING	Gr.
UN810160	3/8"	11,4	5,6	12,6	3/4"	67	3062	26
UN810200	1/2"	15,0	4,0	11,0	1"	42	4081	36
UN810250	3/4"	16,3	5,7	12,7	1 1/4"	52	4112	70
UN810320	1"	19,1	5,9	12,9	1 1/2"	59	4131	97
UN810400	1 1/4"	21,4	7,6	16,6	2"	72	6162	154
UN810500	1 1/2"	21,4	12,6	23,6	2 1/4"	79	6187	220
UN810630	2"	25,7	15,3	30,3	2 3/4"	96	6237	380
UN810750	2 1/2"	30,2	16,8	31,8	3 1/2"	119	6312	215
UN810900	3"	33,3	22,7	35,7	4"	134	6362	842
UN811100	4"	39,3	26,7	39,7	5"	163	6450	1.275

NU91

Ghiera filettata

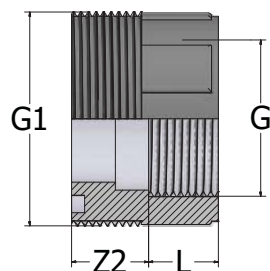
Nut threaded



CODE	G	E	H	C	Gr.
NU910160	3/8"	34	12	24	7
NU910200	1/2"	38	13	29	9
NU910250	3/4"	43	14	34	11
NU910320	1"	56	16	46	25
NU910400	1 1/4"	65	18	5	29
NU910500	1 1/2"	72	19	60	42
NU910630	2"	94	21	80	86
NU910750	2 1/2"	115	24	94	97
NU910900	3"	130	27	108	137
NU911100	4"	162	30	135	207

UB81

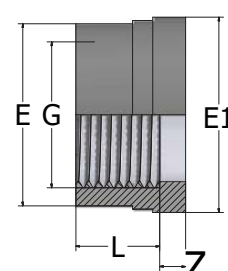
 Pezzo fisso per UN81
filettato

 Union bush for UN81
threaded


CODE	G	L	Z2	G1	Gr.
UB810160	3/8"	11,4	12,6	3/4"	1
UB810200	1/2"	15	11	1"	15
UB810250	3/4"	16,3	12,7	1 1/4"	27
UB810320	1"	19,1	12,9	1 1/2"	35
UB810400	1 1/4"	21,4	16,6	2"	60
UB810500	1 1/2"	21,4	23,6	2 1/4"	104
UB810630	2"	25,7	30,3	2 3/4"	180
UB810750	2 1/2"	30,2	31,8	3 1/2"	235
UB810900	3"	33,3	35,7	4"	335
UB811100	4"	39,3	39,7	5"	470

UE81

 Pezzo folle per UN81
filettato

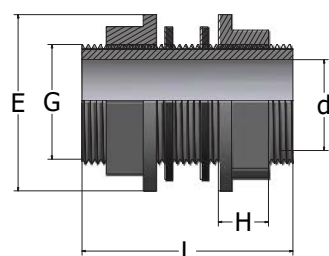
 Union end for UN81
threaded


CODE	G	L	Z	E	E1	Gr.
UE810160	3/8"	11,4	5,6	22,0	24,0	7
UE810200	1/2"	15	4	27,5	30,0	5
UE810250	3/4"	16,3	5,7	36,0	39,0	17
UE810320	1"	19,1	5,9	41,5	44,5	25
UE810400	1 1/4"	21,4	7,6	53,0	56,5	42
UE810500	1 1/2"	21,4	12,6	59,0	62,5	65
UE810630	2"	25,7	15,3	74,0	78,5	100
UE810750	2 1/2"	30,2	16,8	92,5	97,0	160
UE810900	3"	33,3	22,7	105,0	110,0	235
UE811100	4"	39,3	26,4	129,0	135,5	340

BN61

Passa parete

Passwall connector

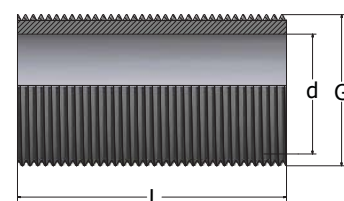


CODE	G	L	d	E	H	Gr.
BN61020	1/2"	60	14	38	13	40
BN61025	3/4"	60	18	43	14	43
BN61032	1"	80	24	56	16	100
BN61040	1 1/4"	80	31	65	18	120
BN61050	1 1/2"	80	38	72	19	200
BN61063	2"	100	48	94	21	320
BN61075	2 1/2"	120	65	115	24	350
BN61090	3"	150	77	130	27	570
BN61110	4"	150	98	162	30	900

BNT

Barra filettata

Threaded bar



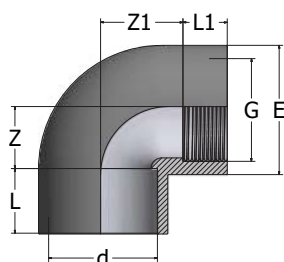
CODE	G	L	d	Gr.
BNT020	1/2"	60	14	11
BNT025	3/4"	60	18	16
BNT032	1"	80	24	38
BNT040	1 1/4"	80	31	50
BNT050	1 1/2"	80	38	70
BNT063	2"	100	48	124
BNT075	2 1/2"	120	65	150
BNT090	3"	150	77	250
BNT110	4"	150	98	460

Serie di passaggio

Plain/threaded series

EL52

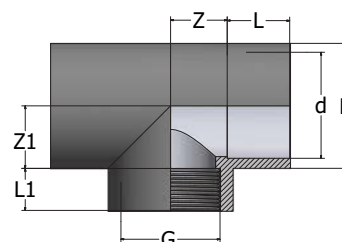
Gomito a 90°
incollaggio/filettato
90° Elbow plain/
threaded



CODE	dxG	L	L1	Z	Z1	E	Gr.
EL52016A	16x3/8"	14	11,4	9	11,6	24	14
EL52020B	20x1/2"	16	15	11	12	27	17
EL52025C	25x3/4"	19	16,3	14	16	33	30
EL52032D	32x1"	22	19,1	17	19,7	41	51
EL52040E	40x1" 1/4	26	21,4	23	19,9	50	85
EL52050F	50x1" 1/2	31	21,4	28	27,6	60	154
EL52063G	63x2"	38	25,7	34	37,6	75	288
EL52075H	75x2" 1/2	44	30,2	40	46,3	89	407
EL52090I	90x3"	51	33,3	48	53,8	106	692
EL52110L	110x4"	61	39,3	58	65,7	129	1.057

TE42

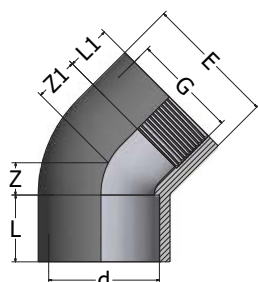
Ti a 90° liscio con
bocca centrale filettata
90° Tee plain with
central branch threaded



CODE	dxG	L	L1	Z	Z1	E	Gr.
TE42016A	16x3/8"	14	11,4	9	11,6	23,5	18
TE42020B	20x1/2"	16	15	11	12,0	27	26
TE42025C	25x3/4"	19	16,3	14	16,0	34	44
TE42032D	32x1"	22	19,1	17	19,7	42	76
TE42040E	40x1" 1/4	26	21,4	23	19,9	51	121
TE42050F	50x1" 1/2	31	21,4	28	27,6	61	195
TE42063G	63x2"	38	25,7	34	37,6	75	340
TE42075H	75x2" 1/2	44	40,0	40	46,3	89	510
TE42090I	90x3"	51	48,0	48	53,8	106	845
TE42110L	110x4"	61	58,0	58	65,7	129	1.332

EY52

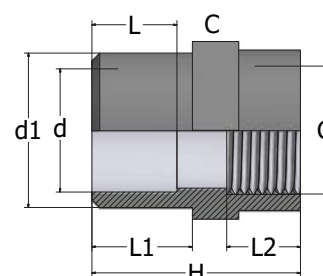
Gomito a 45°
incollaggio/filettato
45° Elbow plain/
threaded



CODE	dxG	L	L1	Z	Z1	E	Gr.
EY52016A	16x3/8"	14	11,4	5,5	8,1	24	11
EY52020B	20x1/2"	16	15	5,5	6,5	27	18
EY52025C	25x3/4"	19	16,3	6	8,7	34	29
EY52032D	32x1"	22	19,1	8	10,9	42	48
EY52040E	40x1" 1/4	26	21,4	10	14,6	51	74
EY52050F	50x1" 1/2	31	21,4	12	21,6	61	110
EY52063G	63x2"	38	25,7	15	27,3	75	182
EY52075H	75x2" 1/2	44	30,2	18	31,8	89	302
EY52090I	90x3"	51	33,3	21	38,7	106	533
EY52110L	110x4"	61	39,3	25	46,7	129	919

SD12

Adattatore incollaggio
maschio-femmina/
filettato femmina
Adaptor male-female
plain/female threaded

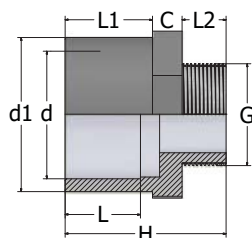


CODE	dx1xG	L	L1	L2	H	C	Gr.
SD12032D	32x40x1"	22	26	19,1	54	46	46
SD12032E	32x40x1" 1/4	22	26	21,4	57	54,6	60
SD12040F	40x50x1" 1/2	26	31	21,4	61	65	77
SD12050F	50x63x 2"	31	38	21,4	70	64	131
SD12050G	50x63x2" 1/4	31	38	25,7	75	77	131
SD12075I	75x90x2" 1/2	44	51	33,3	99	95	305

AD12

Adattatore incollaggio
maschio-femmina/
filettato maschio

*Adaptor plane male-
female/male threaded*

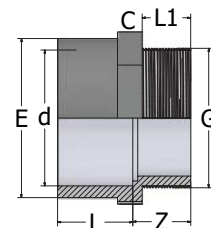


CODE	dx d1 x G	L	L1	L2	H	C	Gr.
AD12012A	12x16x3/8"	12	14	11,4	36	22	6
AD12016A	16x20x3/8"	14	16	11,4	40	24	10
AD12016B	16x20x1/2"	14	16	15	43	24	10
AD12020A	20x25x3/8"	16	19	11,4	43	30	14
AD12020B	20x25x1/2"	16	19	15	46	27	14
AD12020C	20x25x3/4"	16	19	16,3	47	30	14
AD12025B	25x32x1/2"	19	22	15	49	36	28
AD12025C	25x32x3/4"	19	22	16,3	50	36	28
AD12025D	25x32x1"	19	22	19,1	53	36	28
AD12032C	32x40x3/4"	22	26	16,3	54	42	37
AD12032D	32x40x1"	22	26	19,1	57	42	39
AD12032E	32x40x1" 1/4	22	26	21,4	60	46	45
AD12040D	40x50x1"	26	31	19,1	64	55	70
AD12040E	40x50x1" 1/4	26	31	21,4	66,5	55	72
AD12040F	40x50x1" 1/2	26	31	21,4	66,5	55	71
AD12050E	50x63x1" 1/4	31	38	21,4	74	65	115
AD12050F	50x63x1" 1/2	31	38	21,4	74	65	115
AD12050G	50x63x2"	31	38	25,7	78	65	121
AD12063F	63x75x1" 1/2	38	44	21,4	80	75	147
AD12063G	63x75x2"	38	44	25,7	84	75	149
AD12063H	63x75x2" 1/2	38	44	30,2	91	80	189
AD12075G	75x90x2"	44	51	25,7	94	95	285
AD12075H	75x90x2" 1/2	44	51	30,2	99	95	289
AD12075I	75x90x3"	44	51	33,3	102	95	295
AD12090H	90x110x2" 1/2	51	61	30,2	110	115	473
AD12090I	90x110x3"	51	61	33,3	110	115	493
AD12090L	90x110x4"	51	61	39,3	118	115	492
AD12110I	110x125x3"	61	69	33,3	115	130	498
AD12110L	110x125x4"	61	69	39,3	120	130	494
AD12110N	110x125x5"	61	69	43,3	125	130	588

AD22

Adattatore incollaggio
maschio/filettato
maschio

*Adaptor male plain/male
threaded*

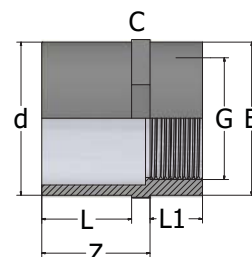


CODE	dx G	L	L1	Z	E	C	Gr.
AD22090I	90x3"	51	33,3	46	106	110	323
AD22110L	110x4"	61	39,3	47	129	506	506
AD22160O	160x6"	86	42,0	84	181	-	1.375

SF12

Adattatore incollaggio
maschio/filettato
femmina

*Adaptor male plain/
female threaded*

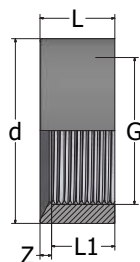


CODE	dx G	L	L1	E	Z	C	Gr.
SF12016A	16x3/8"	14	11,4	23	22	24	9
SF12016B	16x1/2"	14	15,0	28	23	30	16
SF12020B	20x1/2"	16	15,0	28	24	30	17
SF12020C	20x3/4"	16	16,3	34	24	36	23
SF12025B	25x1/2"	19	15,0	28	27	30	20
SF12025C	25x3/4"	19	16,3	34	27	36	25
SF12025D	25x1"	19	19,1	42	27	46	41
SF12032C	32x3/4"	22	16,3	34	30	36	27
SF12032D	32x1"	22	19,1	42	30	46	42
SF12040D	40x1"	26	19,1	42	36	46	46
SF12040E	40x1" 1/4	26	21,4	51	36	55	60
SF12050E	50x1" 1/4	31	21,4	51	41	55	73
SF12050F	50x1" 1/2	31	21,4	58	41	60	77
SF12050G	50x2"	31	25,7	75	41	75	124
SF12063F	63x1" 1/2	38	21,4	60	49	65	131
SF12063G	63x2"	38	25,7	75	48	75	131
SF12075G	75x2"	44	25,7	75	53	75	158
SF12075H	75x2" 1/2	44	30,2	89	58	90	226
SF12075I	75x3"	44	33,3	103	58	105	297
SF12090H	90x2" 1/2	51	30,2	89	65	95	285
SF12090I	90x3"	51	33,3	103	66	105	305
SF12090L	90x4"	51	39,3	130	65	130	451
SF12110I	110x3"	61	33,3	103	76	130	488
SF12110L	110x4"	61	39,3	130	76	130	480

RB92

Riduzione incollaggio
maschio/filettato
femmina

*Reducing bush male
plain/female threaded*

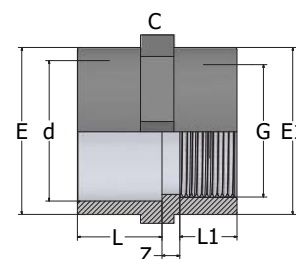


CODE	dxG	L	L1	Z	Gr.
RB92025B	25x1/2"	19	15	4	4
RB92032C	32x3/4"	22	16,3	5,7	12
RB92040D	40x1"	26	19,1	6,9	18
RB92050E	50x1 1/2"	31	21,4	9,6	31
RB92063F	63x1 1/2"	38	21,4	16,6	75
RB92075G	75x2"	44	25,7	18,3	107
RB92090H	90x2 1/2"	51	30,2	20,8	148
RB92110I	110x3"	61	33,3	27,7	300

SO12

Manicotto incollaggio
femmina/filettato
femmina

*Double socket female
plain/female threaded*

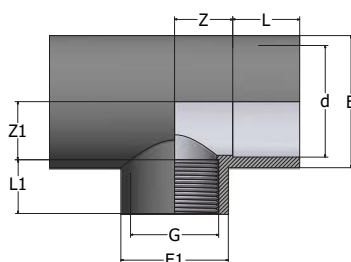


CODE	dxG	L	L1	Z	E	E1	C	Gr.
SO12016A	16x3/8"	14	11,4	6	24	24	24	10
SO12020B	20x1/2"	16	15	7	27	27	30	15
SO12025C	25x3/4"	19	16,3	7	34	34	34	24
SO12032D	32x1"	22	19,1	8	41	41	42	38
SO12040E	40x1 1/4"	26	21,4	8	50	50	55	65
SO12050F	50x1 1/2"	31	21,4	8	60	60	65	97
SO12063G	63x2"	38	25,7	8	75	75	75	149
SO12075H	75x2 1/2"	44	30,2	9	89	89	90	200
SO12090I	90x3"	51	33,3	10	106	106	110	337
SO12110L	110x4"	61	39,3	11	129	129	129	510
SO12125M	125x5"	69	43,6	38	160	160	-	700

TR42

Ti a 90° ridotto liscio con
bocca centrale filettata

*90° Tee reduced plain
with central branch
threaded*

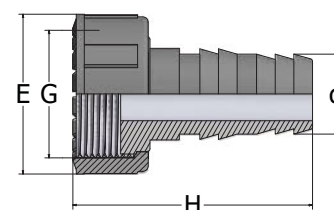


CODE	dxG	L	L1	Z	Z1	E	E1	Gr.
TR42025B	25x1/2"	19	14	14	14	34	28	41
TR42032B	32x1/2"	22	16	17	17	42	28	68
TR42032C	32x3/4"	22	19	17	17	42	34	68
TR42040B	40x1/2"	26	16	21	21	51	28	103
TR42040C	40x3/4"	26	19	21	21	51	34	114
TR42040D	40x1"	26	22	21	21	51	42	117
TR42050B	50x1/2"	31	16	26	26	61	28	164
TR42050C	50x3/4"	31	19	26	26	61	34	164
TR42050D	50x1"	31	22	26	26	61	42	170
TR42050E	50x1 1/4"	31	26	26	26	61	51	172
TR42063B	63x1/2"	38	16	33	33	75	28	277
TR42063C	63x3/4"	38	19	33	33	75	34	280
TR42063D	63x1"	38	22	33	33	75	42	280
TR42063E	63x1 1/4"	38	26	33	33	75	51	290
TR42063F	63x1 1/2"	38	31	33	33	75	61	306

HN62

Portagomma con ghiera

Hose nozzle with nut

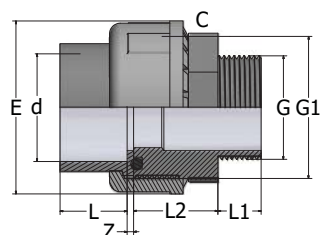


CODE	G	d	H	E	Gr.
HN620250	3/4"	16	54	34	26
HN620320	1"	20	59	42	42
HN620400	1 1/4"	25	63	52	64
HN620500	1 1/2"	30	68	59	90
HN620630	2"	40	77	72	140
HN620700	2 1/4"	50	80	79	196
HN620800	2 3/4"	60	84	96	324

US82

Bocchettone con O-ring
incollaggio femmina/
filettato maschio

*Union with O-ring female
plain/male threaded*

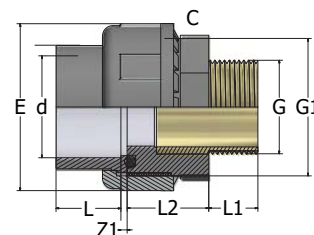


CODE	dxG	L	L1	L2	Z1	C	G1	E	O-R	Gr.
US82050F	50x1"1/2	31	21,4	40	3	65	2"1/4	79	6187	238
US82050G	50x2"	31	25,7	40	3	65	2"3/4	79	6187	244
US82063G	63x2"	38	25,7	42	3	70	2"3/4	96	6237	406

US72

Bocchettone con O-ring
incollaggio femmina/
inserto in ottone filettato
maschio

*Union with O-ring female
plain/brass insert male
threaded*

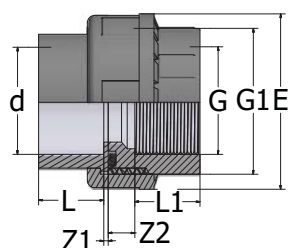


CODE	dxG	L	L1	L2	Z1	C	G1	E	O-R	Gr.
US72050F	5xX1"1/2	31	21,4	40	3	65	2"1/4	79	6187	455
US72063G	63x2"	38	25,7	42	3	70	2"3/4	96	6237	713

UN82

Bocchettone con O-ring
incollaggio femmina/
filettato femmina

*Union with O-ring
female plain/female
threaded*

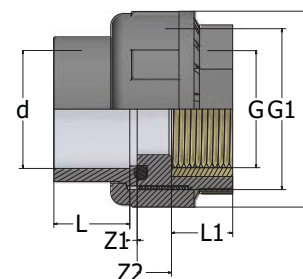


CODE	dxG	L	L1	Z1	Z2	G1	E	Gr.
UN82016A	16x3/8"	14	11,4	3	12,6	3/4"	34	25
UN82020B	20x1/2"	16	15,0	3	11	1"	42	36
UN82025C	25x3/4"	19	16,3	3	12,7	1"1/4	52	70
UN82032D	32x1"	22	19,1	3	12,9	1"1/2	59	95
UN82040E	40x1"1/4	26	21,4	3	16,6	2"	72	155
UN82050F	50x1"1/2	31	21,4	3	23,6	2"1/4	79	200
UN82063G	63x2"	38	25,7	3	30,3	2"3/4	96	357
UN82075H	75x2"1/2	44	30,2	3	31,8	3"1/2	119	603
UN82090I	90x3"	51	33,3	3	35,7	4"	134	808
UN82110L	110x4"	61	39,3	3	39,7	5"	163	1.275

UN72

Bocchettone con O-ring
incollaggio femmina/
inserto in ottone filettato
femmina

*Union with O-ring female
plain/brass insert female
threaded*



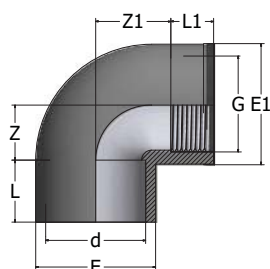
CODE	dxG	L	L1	Z1	Z2	G1	E	O-R	Gr.
UN72050F	50x1"1/2	31	21,4	3	14	2"1/4	79	6187	329
UN72063G	63x2"	38	25,7	3	18	2"3/4	96	6237	498

Serie di passaggio con anello di rinforzo metallico Plain/threaded series with metal reinforcing ring

EL57

Gomito a 90°
incollaggio/filettato
con anello di rinforzo
metallico

90° Elbow plain/
threaded with metal
reinforcing ring

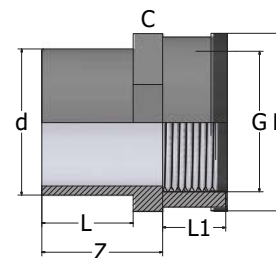


CODE	dxG	L	L1	Z	Z1	E	E1	Gr.
EL57020B	20x1/2"	16	15,0	11	12,0	27	28	20
EL57025C	25x3/4"	19	26,3	14	16,7	33	34	34
EL57032D	32x1"	22	19,1	17	19,9	41	42	59
EL57040E	40x1 1/4"	26	21,4	21	25,6	50	51	94
EL57050F	50x1 1/2"	31	21,4	26	35,6	60	61	165
EL57063G	63x2"	38	25,7	33	45,3	75	76	303

SF17

Adattatore incollaggio
maschio/filettato
femmina con anello di
rinforzo metallico

Adaptor male plain/
female threaded with
metal reinforcing ring

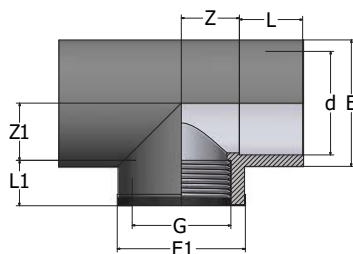


CODE	dxG	L	L1	E	Z	C	Gr.
SF17020B	20x1/2"	16	15,0	29	24	30	20
SF17020C	20x3/4"	16	16,3	35	24	36	28
SF17025B	25x1/2"	19	15,0	29	27	30	25
SF17025C	25x3/4"	19	16,3	35	27	36	30
SF17025D	25x1"	19	19,1	43	27	46	47
SF17032C	32x3/4"	22	16,3	35	30	36	31
SF17032D	32x1"	22	19,1	43	30	46	48
SF17040D	40x1"	26	19,1	43	36	46	50
SF17040E	40x1 1/4"	26	21,4	52	36	55	69
SF17050E	50x1 1/4"	31	21,4	52	41	55	80
SF17050F	50x1 1/2"	31	21,4	61	41	60	106
SF17050G	50x2"	31	25,7	78	41	75	106
SF17063F	63x1 1/2"	38	21,4	61	48	75	134
SF17063G	63x2"	38	25,7	76	48	75	146
SF17075G	75x2"	44	25,7	76	53	75	156

TE47

Ti a 90° liscio con
bocca centrale
filettata con anello di
rinforzo metallico

90° Tee plain with
central branch
threaded with metal
reinforcing ring

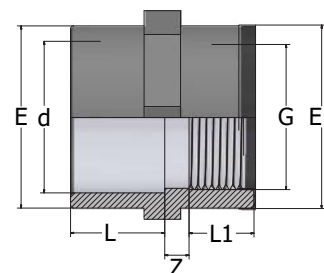


CODE	dxG	L	L1	Z	Z1	E	E1	Gr.
TE47020B	20x1/2"	16	15,0	11	12,0	28	29	28
TE47025C	25x3/4"	19	26,3	14	16,7	34	35	48
TE47032D	32x1"	22	19,1	17	19,7	42	43	82
TE47040E	40x1 1/4"	26	21,4	21	25,6	51	52	127
TE47050F	50x1 1/2"	31	21,4	26	35,6	61	62	203
TE47063G	63x2"	38	25,7	33	45,3	75	76	360

SO17

Manicotto
incollaggio/filettato
con anello di rinforzo
metallico

Socket plain/threaded
with metal reinforcing
ring



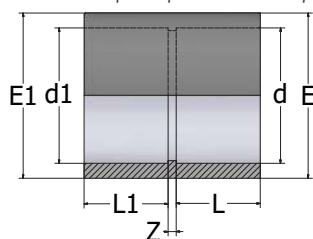
CODE	dxG	L	L1	Z	E	E1	Gr.
SO17020B	20x1/2"	16,0	15,0	4	28	29	17
SO17025C	25x3/4"	19,0	16,3	6	34	35	28
SO17032D	32x1"	22,0	19,1	6	42	43	45
SO17040E	40x1 1/4"	26,0	21,4	8	51	55	75
SO17050F	50x1 1/2"	31,0	21,4	13	61	62	108
SO17063G	63x2"	38,0	25,7	15	75	76	160

Raccordo liscio metrico/liscio BS Plain metric/plain BS fitting

SO15

Manicotto di passaggio liscio metrico/liscio BS

Socket adaptor plain metric/plain BS



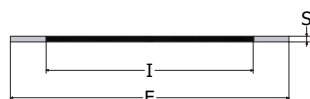
CODE	dx d1	L	L1	Z	E	E1	Gr.
SO15020B	20X1/2"	16	16	3	28	28	15
SO15025C	25X3/4"	19	19	3	33	33	23
SO15032D	32X1"	22	22	3	41	41	36
SO15040E	40X1 1/4"	26	26	3	50	50	60
SO15050F	50X1 1/2"	31	31	3	60,5	60,5	85
SO15063G	63X2"	38	38	3	75	75	145
SO15075H	75X2 1/2"	44	44	4	88	88	222
SO15090I	90X3"	51	51	5	106	106	353
SO15110L	110X4"	61	61	6	129	129	605
SO15160O	160X6"	86	90	8	181	181	1.500

Guarnizioni Gaskets

G/ST VITON®

Guarnizione piana per ST20

Flat gasket for ST20

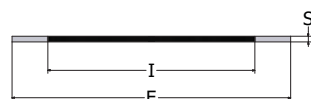


CODE	d	I	E	S	Gr.
G/ST0200F	20	20	32	2	1
G/ST0250F	25	25	39	2	2
G/ST0320F	32	32	48	2	3
G/ST0400F	40	40	59	2	6
G/ST0500F	50	50	71	2	8
G/ST0630F	63	63	88	2	10
G/ST0750F	75	75	104	2	11
G/ST0900F	90	90	123	2	20
G/ST1100F	110	110	148	3	22
G/ST1250F	125	125	167	3	32
G/ST1400F	140	140	186	3	41
G/ST1600F	160	160	211	3	51
G/ST2000F	200	200	252	3	63
G/ST2250F	225	225	272	3	59
G/ST2500F	250	250	306	3	71

G/ST EPDM70

Guarnizione piana per ST20

Flat gasket for ST20



CODE	d	I	E	S	Gr.
G/ST0200	20	20	32	2	1
G/ST0250	25	25	39	2	1
G/ST0320	32	32	48	2	1
G/ST0400	40	40	59	2	3
G/ST0500	50	50	71	2	5
G/ST0630	63	63	88	2	7
G/ST0750	75	75	104	2	9
G/ST0900	90	90	123	2	17
G/ST1100	110	110	148	3	17
G/ST1250	125	125	167	3	32
G/ST1400	140	140	186	3	41
G/ST1600	160	160	211	3	51
G/ST2000	200	200	252	3	63
G/ST2250	225	225	272	3	59
G/ST2500	250	250	306	3	73
G/ST2800	280	280	327	3	116
G/ST3150	315	315	375	3	136

G/UN VITON®

Guarnizione O-ring per bocchettoni

O-ring gasket for unions



CODE	d	I	S	O-RING	Gr.
G/UN016F	16	15,5	2,62	3062	1
G/UN020F	20	20,2	3,53	4081	1
G/UN025F	25	28,2	3,53	4112	1
G/UN032F	32	32,9	3,53	4131	2
G/UN040F	40	40,6	5,34	6162	6
G/UN050F	50	47	5,34	6187	6
G/UN063F	63	59,7	5,34	6237	8
G/UN075F	75	78,7	5,34	6312	9
G/UN090F	90	91,4	5,34	6362	9
G/UN110F	110	113,67	5,34	6450	10

G/UN EPDM70

Guarnizione O-ring per bocchettoni

O-ring gasket for unions



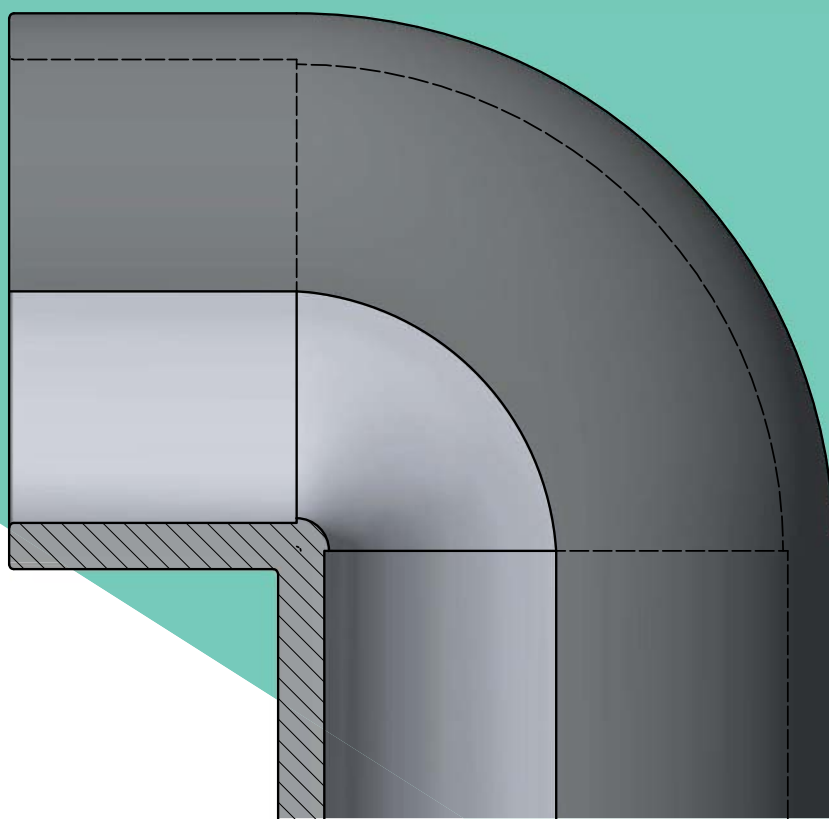
CODE	d	I	S	O-RING	Gr.
G/UN016E	16	15,5	2,62	3062	1
G/UN020E	20	20,2	3,53	4081	1
G/UN025E	25	28,2	3,53	4112	1
G/UN032E	32	32,9	3,53	4131	1
G/UN040E	40	40,6	5,34	6162	4
G/UN050E	50	47	5,34	6187	4
G/UN063E	63	59,7	5,34	6237	5
G/UN075E	75	78,7	5,34	6312	7
G/UN090E	90	91,4	5,34	6362	7
G/UN110E	110	113,67	5,34	6450	9

Grandi diametri in PVC

U-PVC Large diameter fittings

U-PVC

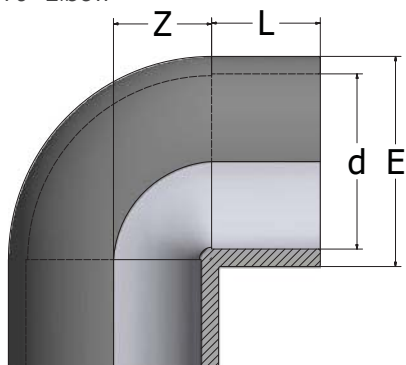
U-PVC



Serie grandi diametri Large diameters fittings

EL50

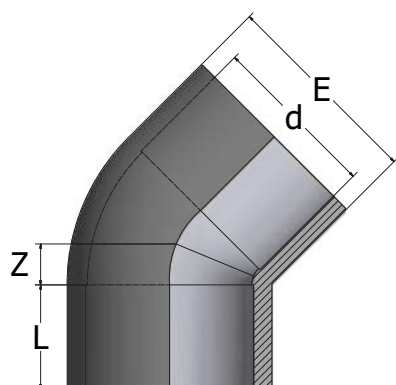
Gomito a 90°
90° Elbow



CODE	d	L	Z	E	Gr.
EL502500	250	131,5	187,5	286	12.250
EL502800	280	146	210	316	15.820
EL503150	315	162	239	358	23.600

EY50

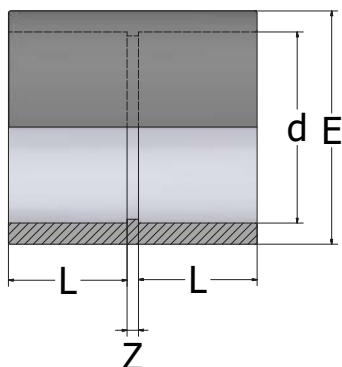
Gomito a 45°
45° Elbow



CODE	d	L	Z	E	Gr.
EY502500	250	131,5	58	287	7.782
EY502800	280	147	62	320	10.500
EY503150	315	165	66	360	14.690

SO10

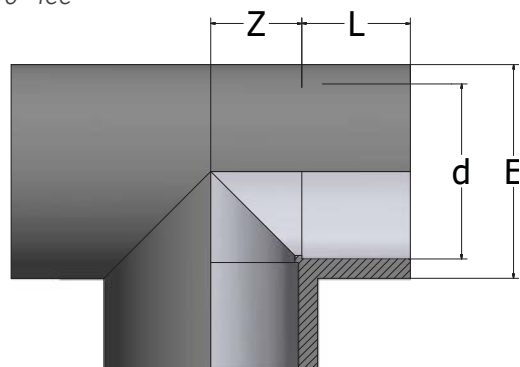
Manicotto
Socket



CODE	d	L	Z	E	Gr.
SO102500	250	132,5	10	287	5.432
SO102800	280	147	10	320	7.893
SO103150	315	165	12	355	9.958

TE40

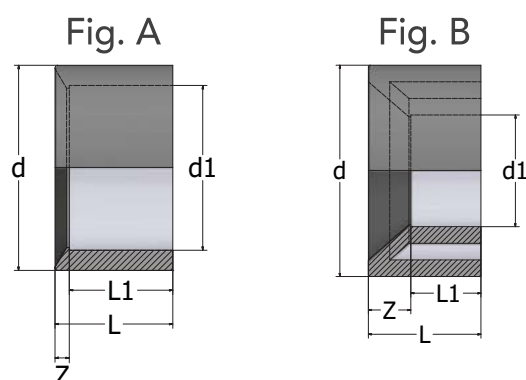
Ti a 90°
90° Tee



CODE	d	L	Z	E	Gr.
TE402500	250	132,5	127	286	12.150
TE402800	280	147,5	142	319	17.780
TE403150	315	165	159	360	24.870

RB90

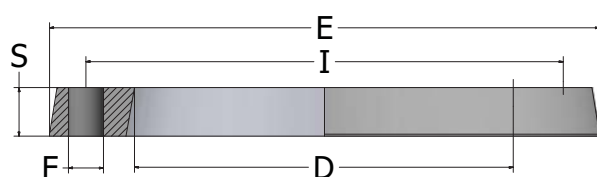
Riduzione M/F corta
Reducing bush



CODE	dxd1	L	L1	Z	Fig.	Gr.
RB90250O	250x160	134	87	47	B	2.767
RB90250P	250x200	134	120	12	B	2.667
RB90250Q	250x225	132	120	12	A	1.734
RB90280Q	280x225	147	120	27	B	3.875
RB90280R	280x250	147	132	15	A	2.640
RB90315P	315x200	165	107	58	B	7.740
RB90315Q	315x250	165	132	33	B	4.660
RB90315R	315x225	165	132	33	B	7.400
RB90315S	315x280	165	149	16	A	4.720
RB90400R	400x250	206	134	72	B	10.800
RB90400T	400x315	206	165	41	B	10.800
RB90400U	400x355	206	185	21	A	7.650

BR00

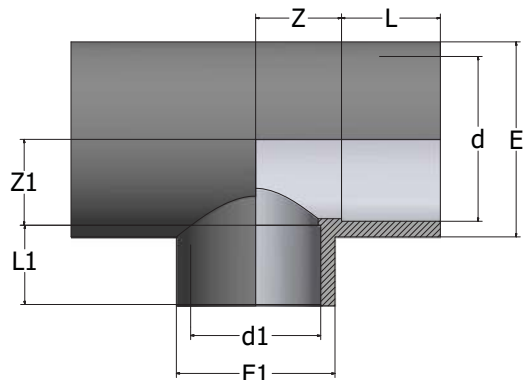
Flangia libera
Loose flange



CODE	D	DN	D	E	S	I	Bulloni Bolts	N.Fori Drill	Gr.
BR002500	250	225	280	395	34	350	M20x140	12	1.725
BR002800	280	250	310	395	30	350	M20x140	12	1.978
BR003150	315	300	349	445	34	400	M20x160	12	2.700
BR003550	355	350	390	510	35	442	M20x160	16	2.853
BR004000	400	400	440	570	34	518	M22x160	16	3.404

TR40

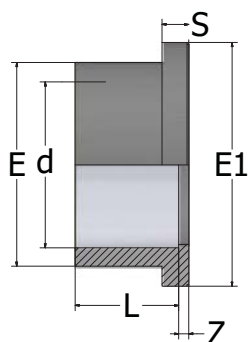
Ti a 90° ridotto
90° Tee reduced



CODE	dx dx1	L	L1	Z	Z1	E	E1	Gr.
TR40250L	250x110	132	61	128	128	288	128	12.150
TR40250O	250x160	132	86	128	128	288	184	13.400
TR40250P	250x200	132	106	128	128	288	232	13.400

ST20

Collare per flangia
Stub serrated

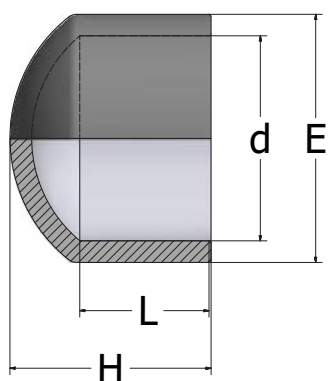


CODE	d	DN	L	Z	S	E	E1	Gr.
ST202500	250	225	131	10	20	273	307	2.300
ST202800	280	250	142	10	23	308	329	3.100
ST203150	315	300	161	11	27	346	379	4.500

i ST10 Collare per flangia liscio disponibile su richiesta
ST10 Stub flat face available upon request

CA70

Calotta
Cap



CODE	d	L	H	E	Gr.
CA702500	250	131	176	284	3.925