



PLASTICA ALFA
INNOVATION & WATER TECHNOLOGIES

UNIVERSAL

FITTINGS & VALVES

Technical Catalogue



UNIVERSAL

FITTINGS & VALVES

15÷21
21÷27
27÷35
35÷50



20÷75

I Raccordi e le Valvole **UNIVERSAL** di **Plastica Alfa** ampliano la gamma **BLULINE PLUS** e **VALVEVOLUTION**.

Sono progettati per l'accoppiamento ibrido di tubi PE della serie metrica (versione PE/Universal) o metallici (versione Universal/Universal) con tubi di ogni tipo di materiale come PVC, PE, PP, piombo, ferro zincato, acciaio, rame, sia di tipo metrico che imperiale. Gli inserti metallici dell'anello di graffaggio del lato universal assicurano un'efficace presa su qualunque tipo di superficie e il particolare design della guarnizione garantisce una perfetta tenuta idraulica.

The **UNIVERSAL** Compression fittings and valves **Plastica Alfa** complete the **BLULINE PLUS** and **VALVEVOLUTION** range.

These are designed to join easily PE pipes (metric type, version PE/Universal) or metal pipes (version Universal/Universal) with pipes of any kind of material such as PVC, PE, PP, Lead, Galvanized steel, Stainless steel, Copper, both metric and imperial type.

The clinching ring metal inserts of the Universal side ensure an effective grip on any type of surface and the particular design of the gasket guarantees a perfect watertightness.



TEMPERATURA E PRESSIONE D'ESERCIZIO

WORKING TEMPERATURE AND PRESSURE

20°C-18 bar, 45°C-10.8 bar, 70°C-3.4bar

RANGE DI TEMPERATURE

TEMPERATURE RANGE

-10 °C ÷ 80 °C

PRESSIONE ESERCIZIO MASSIMA AMMISSIBILE PMA IN BAR

ALLOWABLE MAXIMUM OPERATING PRESSURE PMA IN BAR

20

PRESSIONE DI ESERCIZIO AMMISSIBILE PFA (PN) IN BAR

ALLOWABLE OPERATING PRESSURE PFA (PN) IN BAR

16

PRESSIONE DI PROVA AMMISSIBILE SITO (PEA) IN BAR

ALLOWABLE SITE PRESSURE (PEA) IN BAR

24

IDONEITÀ AL CONTATTO CON ACQUA POTABILE

REGULATIONS FOR DRINKING WATER

DM 174-06/04/2004 (Italy), DM 23/04/2009 e Reg. UE n° 10/2011,

W270 and KTW (Germany),

ATA (Netherlands), Global Mark (Australia), ACS (France), WRAS (UK).

NORME DI RIFERIMENTO

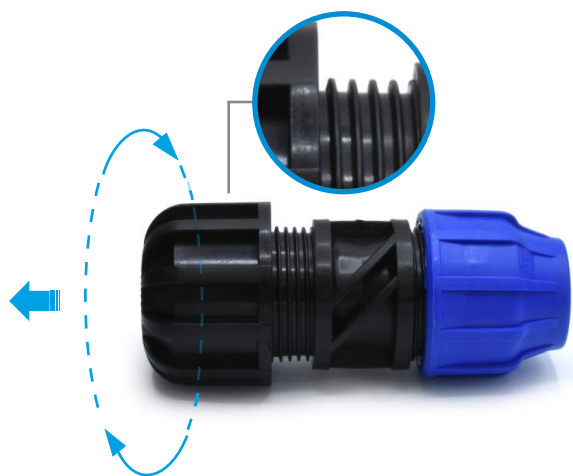
REFERENCE STANDARDS

Tubi metrici/Metric pipes: UNI EN 12201, ISO 11922-1, DIN 8074, AS/NZS 4130, ISO 4427, UNI 7990, EN 1452, ISO 15876, ISO 15875

Tubi imperiali-IPS/Imperial-IPS pipes: ASTM D3035, ASTM D2737

Altri tubi/Other pipes: AS 2698, AS 4130-Series 3, IS 132, BS 2871, EN 1057, NZS 3501, AS 1432, AS 1477, ASTM A 106, BS/EN 10255, BS 7291-2-table 1, BS 7291-3-table 1, ASTM A270, ASME B36.19M, ISO 1452, ISO 2531

Istruzioni di montaggio/Assembly instructions



Tagliare il tubo ortogonalmente all'asse e smussare la sua estremità.
Allentare la ghiera per agevolare il totale allargamento dell'anello di graffaggio e permettere un più facile inserimento del tubo.

La ghiera e i componenti interni del raccordo non devono essere estratti dal corpo.

Cut the pipe squarely and chamfer the ends

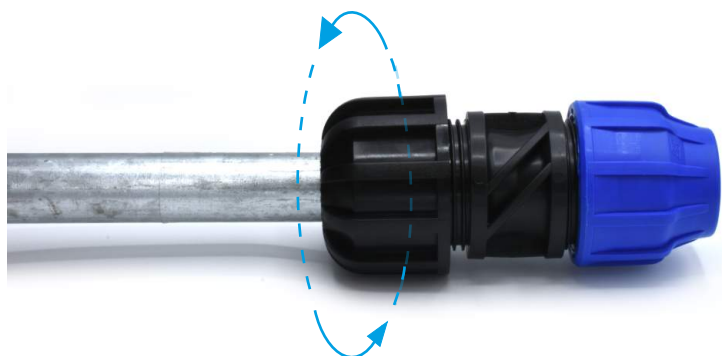
Loosen the nut to facilitate a total opening of the clinching ring and allow an easier insertion of the pipe.

Do not remove the nut and the components from the fitting body.



Applicando una leggera forza spingere il tubo fino a portarlo a battuta all'interno del corpo del raccordo.

Gently push the pipe into the fitting body up to the beat.



Ruotare manualmente la ghiera e successivamente serrarla con una chiave.

L'installazione è completa quando la ghiera non può più essere serrata senza applicare una forza eccessiva.

NON È NECESSARIO CHE LA GHIERA COPRA TUTTI I FILETTI DEL CORPO, poiché, in funzione del diametro del tubo e dell'articolo montato, uno o più filetti potrebbero restare a vista.

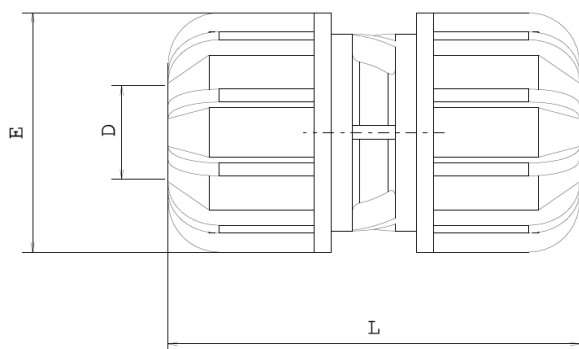
Manually rotate the nut and then tighten it using a wrench. The installation is complete when screwing the nut requires an excessive strength.

IT IS NOT NECESSARY TO COVER ALL THE BODY THREADS: depending on the diameter of the pipe and the type of fitting/valve, one or more threads may remain visible.

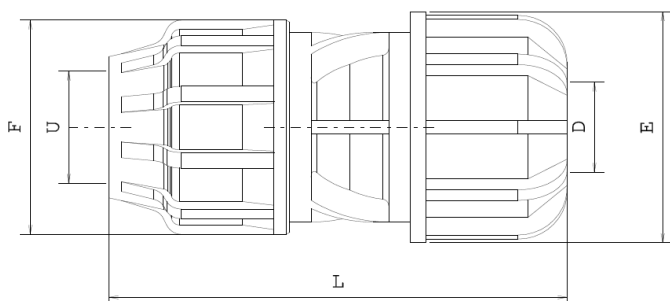
Manicotto

Coupling - Manchon - manguito

U53910



Code	D	E	L	Peso Weight (Kg)
U53910-1521	15-21	58	113.8	0,135
U53910-2127	21-27	70.5	133.8	0,190
U53910-2735	27-35	85	154	0,33
U53910-3550	35-50	-	-	-

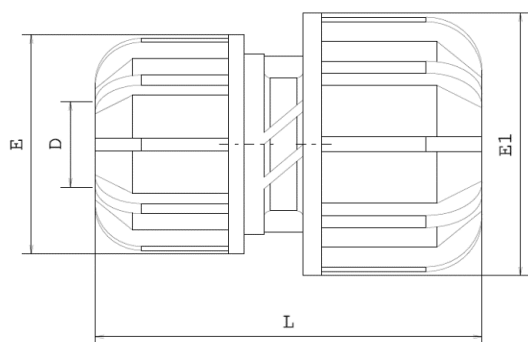


Code	UxD	E	F	L	Peso Weight (Kg)
U53910-3-1521	25 x 15-21	58	53.5	130.5	0,13
U53910-4-2127	32 x 21-27	70.5	65.5	148	0,20
U53910-6-2735	40 x 27-35	85	78	167	0,375
U53910-7-3550	50x 35-50	-	91	-	-

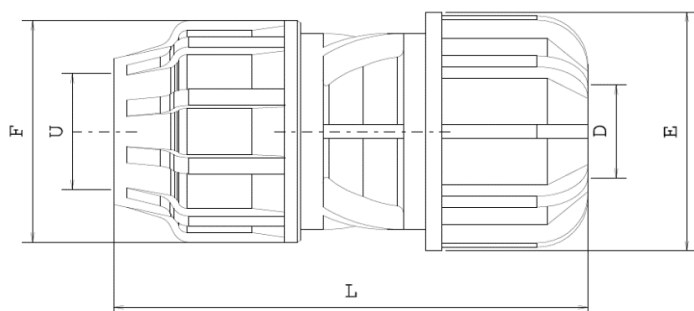
Manicotto ridotto

Reducing coupling

U53920



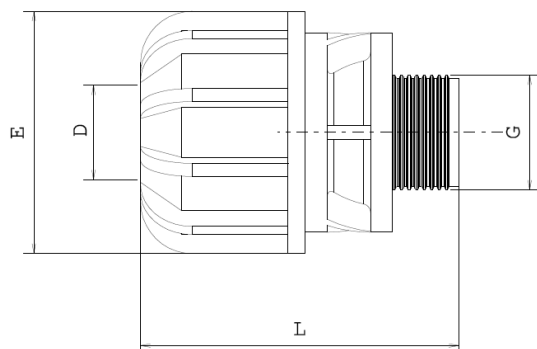
Code	DxD	E	E1	L	Peso Weight (Kg)
U53920-1521-2127	15-21 x 21-27	58	70,3	130	0,152
U53920-1521-2735	15-21 x 27-35	58	85	133	0,16
U53920-1521-3550	15-21 x 35-50	58	-	-	-
U53920-2127-2735	21-27 x 27-35	70,5	85	158	0,272
U53920-2127-3550	21-27 x 35-50	70,5	-	-	-
U53920-2735-3550	27-35 x 35-50	70,5	-	-	-



Code	DxD	E	F	L	Peso Weight (Kg)
U53920-2-1521	20 x 15-21	58	47,3	124	0,107
U53920-2-2127	20 x 21-27	70,3	47,3	134	0,151
U53920-3-2127	25 x 21-27	70,3	53,7	139	0,165
U53920-3-2735	25 x 27-35	85	53,76	145	0,209
U53920-4-1521	32 x 15-21	58	5,36	132,5	0,165
U53920-4-2735	32 x 27-35	58	5,3	161	0,285
U53920-6-2127	40 x 21-27	70,3	78	164	0,278
U53920-6-3550	40 x 35-50	-	78	-	-
U53920-7-2735	50 x 27-35	85	91	180	0,427
U53920-8-2735	63 x 27-35	85	110	195	0,605
U53920-8-3550	63 x 35-50	-	110	-	-
U53920-9-3550	75 x 35-50	-	127,3	-	-

Raccordo maschio

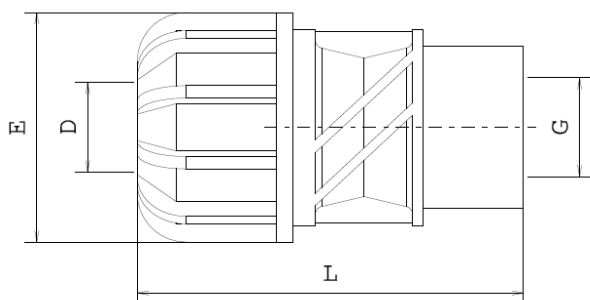
Male Adaptor - Raccord Male - Empalme Macho

U55910


Code	DxG	E	L	Peso Weight (Kg)
U55910-1521-B	15-21 x 1/2"	58	88.5	0,067
U55910-1521-C	15-21 x 3/4"	58	84.5	0,073
U55910-2127-C	21-27 x 3/4"	70.5	98.5	0,113
U55910-2127-D	21-27 x 1"	70.5	93.0	0,133
U55910-2735-D	27-35 x 1"	85	119.0	0,21
U55910-2735-E	27-35 x 1" 1/4	85	108.0	0,188
U55910-3550-F	35-50 x 1" 1/2	-	-	-
U55910-3550-G	35-50 x 2"	-	-	-

Raccordo femmina

Female Adaptor - Raccord female - Empalme Hembra

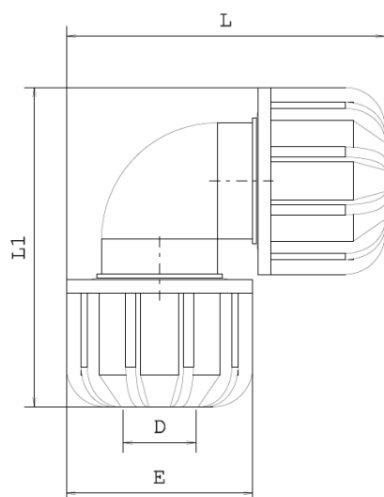
U55920


Code	DxG	E	L	Peso Weight (Kg)
U55910-1521-B	15-21 x 1/2"	58	100,5	0,08
U55910-1521-C	15-21 x 3/4"	58	100,5	0,08
U55910-2127-C	21-27 x 3/4"	70.5	110,5	0,125
U55910-2127-D	21-27 x 1"	70.5	110,5	0,125
U55910-2735-D	27-35 x 1"	85	116	0,2
U55910-2735-E	27-35 x 1" 1/4	85	116	0,2
U55910-3550-F	35-50 x 1" 1/2	-	-	-
U55910-3550-G	35-50 x 2"	-	-	-

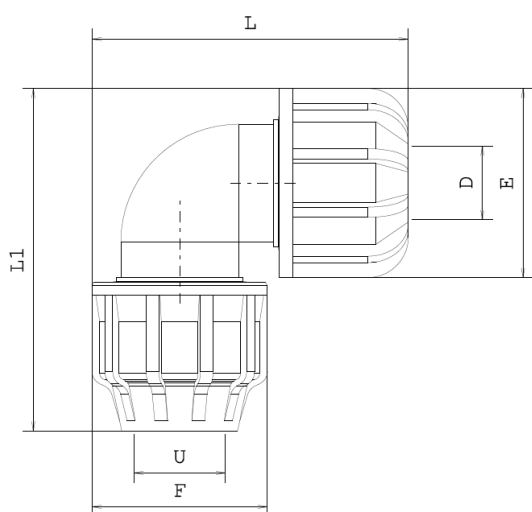
Gomito a 90°

90° Elbow - Coude 90° - Codo 90°

U56950



Code	D	E	L	Peso Weight (Kg)
U56950-1521	15-21	58	117	0,11
U56950-2127	21-27	70.5	122	0,19
U56950-2735	27-35	85	150	0,34
U56950-3550	35-50	-	-	-

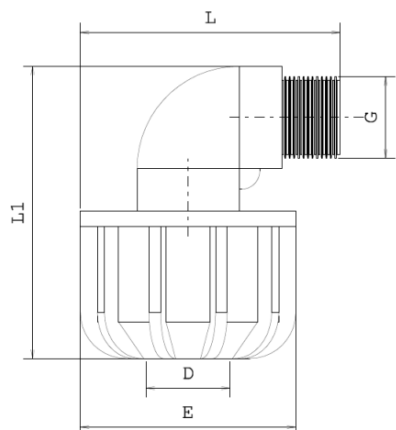


Code	UxD	E	F	L	L1	Peso Weight (Kg)
U56950-3-1521	25 x 15-21	58	53.5	100	117	0,13
U56950-4-2127	32 x 21-27	70.5	65.5	120	129	0,20
U56950-6-2735	40 x 27-35	85	78	143	151.5	0,375
U56950-7-3550	50x 35-50	-	91			-

Gomito a 90° filettato maschio

U56925

90° male threaded elbow - Coude 90° fileté - Codo 90° roscado macho

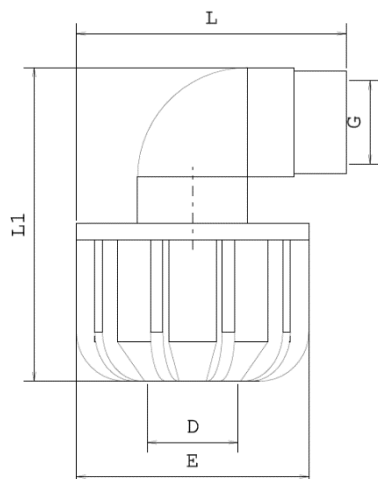


Code	DxG	E	L	L1	Peso Weight (Kg)
U56925-1521-B	15-21 x 1/2"	58	76	88	0,08
U56925-1521-C	15-21 x 3/4"	58	76	88	0,09
U56925-2127-C	21-27 x 3/4"	70.5	90	108	0,13
U56925-2127-D	21-27 x 1"	70.5	90	108	0,135
U56925-2735-D	27-35 x 1"	85	109	123	0,245
U56925-2735-E	27-35 x 1" 1/4	85	109	123	0,26
U56925-3550-F	35-50 x 1" 1/2	-	-	-	-
U56925-3550-G	35-50 x 2"	-	-	-	-

Gomito a 90° filettato femmina

U56935

90° Female threaded elbow - Coude 90° taraudé - Codo 90° roscado hembra

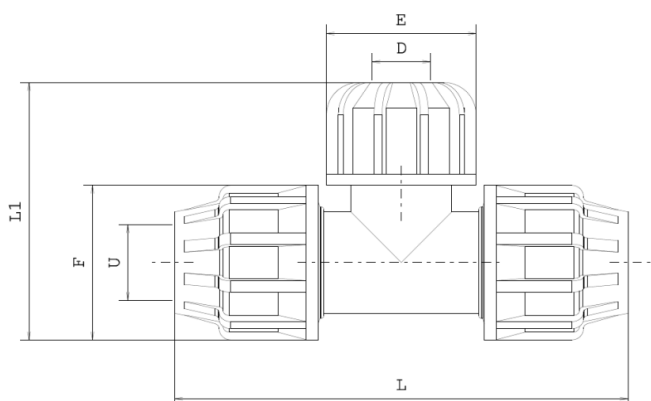


Code	DxG	E	L	L1	Peso Weight (Kg)
U56935-1521-B	15-21 x 1/2"	58	76	85,5	0,08
U56935-1521-C	15-21 x 3/4"	58	76	85,5	0,09
U56935-2127-C	21-27 x 3/4"	70.5	86	112	0,14
U56935-2127-D	21-27 x 1"	70.5	86	112	0,145
U56935-2735-D	27-35 x 1"	85	106	119	0,25
U56935-2735-E	27-35 x 1" 1/4	85	106	119	0,26
U56935-3550-F	35-50 x 1" 1/2	-	-	-	-
U56935-3550-G	35-50 x 2"	-	-	-	-

Tee 90°

90° Tee

U54910

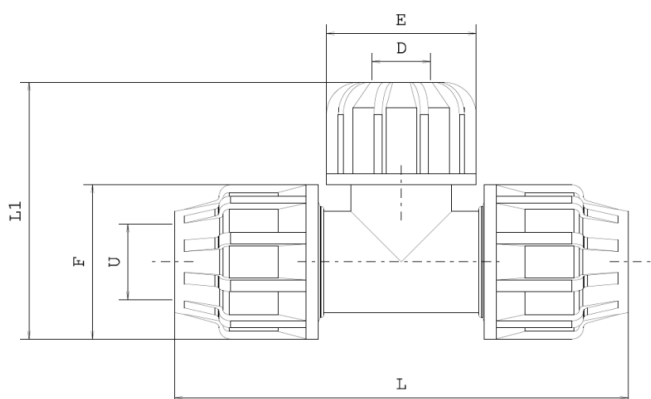


Code	UxDxU	E	F	L	L1	Peso Weight (Kg)
U56910-3-1521	25 x 15-21 x 21	58	53.5	160.5	99.5	0,19
U56910-4-2127	32 x 21-27 x 32	70.5	65.5	180.3	118	0,30
U56910-6-2735	40 x 27-35 x 40	85	78	214	136	0,515
U56910-7-3550	50 x 35-50 x 50	-	91	-	-	-

Tee 90° ridotta

90° Reducing Tee

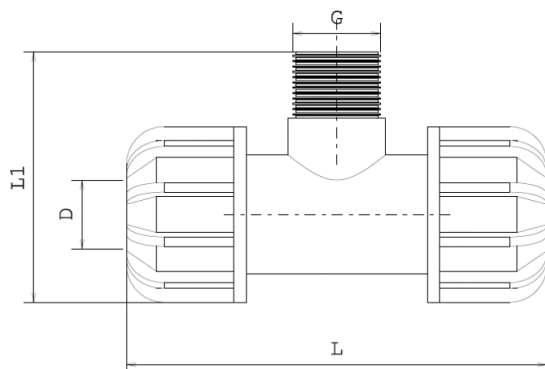
U54920



Code	UxDxU	E	F	L	L1	Peso Weight (Kg)
U54920-2-1521	20 x 15-21 x 20	58	47,5	156,5	95,5	0,18
U54920-3-2127	25 x 21-27 x 25	70,5	53,7	170	115	0,28
U54920-6-2127	40 x 21-27 x 40	70,5	78	214	120	0,5
U54920-7-2127	50 x 21-27 x 50	70,5	91	220	125	0,6
U54920-7-2735	50 x 27-35 x 50	85	91	220	127	0,65
U54920-8-3550	63 x 35-50 x 63		110			

Tee 90° filettato maschio

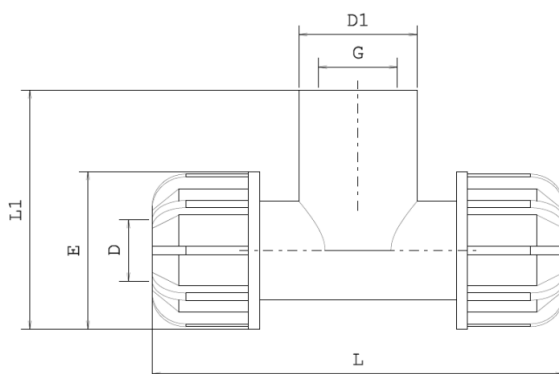
90° male threaded Tee - Tè 90° filetè - Te 90° roscada macho

U54930


Code	DxGxD	E	L	L1	Peso Weight (Kg)
U54930-1521-B	15-21 x 1/2" x 15-21	58	148	78	0,13
U54930-1521-C	15-21 x 3/4" x 15-21	58	148	78	0,14
U54930-2127-C	21-27 x 3/4" x 21-27	70.5	172	90	0,22
U54930-2127-D	21-27 x 1" x 21-27	70.5	172	90	0,225
U54930-2735-D	27-35 x 1" x 27-35	85	200	107	0,35
U54930-2735-E	27-35 x 1" 1/4 x 27-35	85	200	107	0,4
U54930-3550-F	35-50 x 1" 1/2 x 35-50	-	-	-	-
U54930-3550-G	35-50 x 2" x 35-50	-	-	-	-

Tee 90° filettato femmina

90° female threaded Tee - Tè 90° taraudè - Te 90° roscada hembra

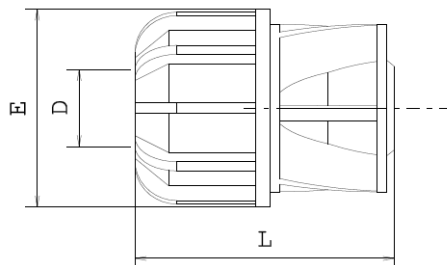
U54940


Code	DxGxD	E	L	L1	D1	Peso Weight (Kg)
U54940-1521-B	15-21 x 1/2" x 15-21	58	160	83	39,5	0,15
U54940-1521-C	15-21 x 3/4" x 15-21	58	160	83	39,5	0,16
U54940-2127-C	21-27 x 3/4" x 21-27	70.5	180	85	47	0,23
U54940-2127-D	21-27 x 1" x 21-27	70.5	180	85	47	0,235
U54940-2735-D	27-35 x 1" x 27-35	85	190	105.5	54.5	0,39
U54940-2735-E	27-35 x 1" 1/4 x 27-35	85	190	105.5	54,5	0,4
U54940-3550-F	35-50 x 1" 1/2 x 35-50	-	-	-	-	-
U54940-3550-G	35-50 x 2" x 35-50	-	-	-	-	-

Tappo terminale

U56941

End Cap - Bouchon de fermeture - Tapón Terminal

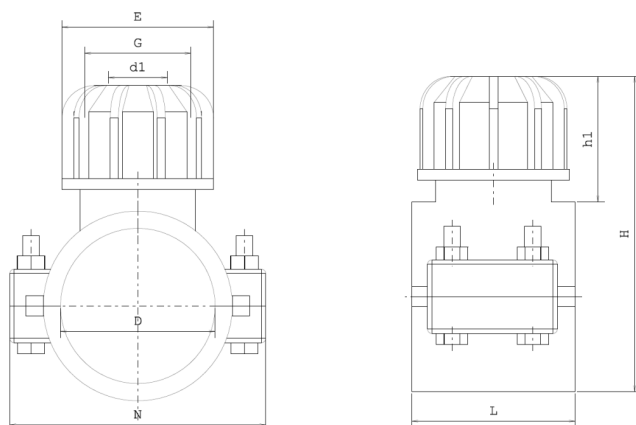


Code	DxG	E	L	Peso Weight (Kg)
U56941-1521	15-21	58	73	0,07
U56941-1521	21-27	70.5	81.5	0,11
U56941-2127	27-35	85	103	0,2
U56941-3550	35-50	-	-	-

Pres a staffa

U17910

Clamp Saddle

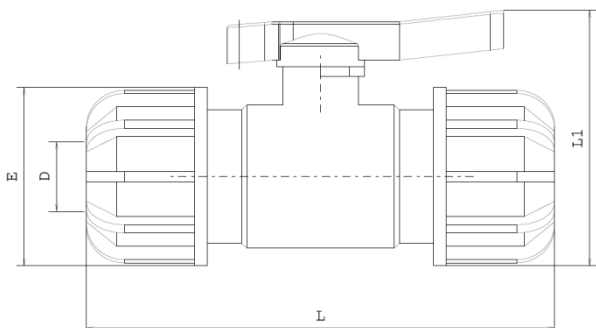


Code	DxG	E	d1	N	L	H	h1	Peso Weight (Kg)
U17910-7-1521	50 x 15-21	58	24,5	91	67,5	120	61	-
U17910-8-1521	63 x 15-21	58	23,5	97,5	67,5	141,5	60	-
U17910-9-1521	75 x 15-21	58	23,5	118	76	157	61	-
U17910-9-2127	75 x 21-27	70,3	30,5	118	76	161	67	-
U17910-10-1521	90 x 15-21	58	25	131,5	86	163	63	-
U17910-10-2127	90 x 21-27	70,3	30,5	131,5	86	177	67,5	-
U17910-11-1521	110 x 15-21	58	23,5	153	99	194,5	63	-
U17910-11-2127	110 x 21-27	70,3	30,5	153	99	197	66,5	-
U17910-11-2735	110 x 27-35	85	36,5	157	99	211	79,5	-
U17910-12-2127	125 x 21-27	70,3	23,5	161	99,5	209	63	-
U17910-12-2735	125 x 27-35	85	30,5	166,5	99,5	213	67,5	-

Valvola a sfera

Ball Valve

U18VCBB

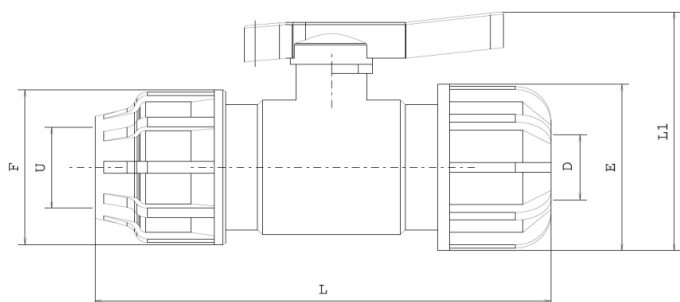


Code	D	E	L	L1	Peso Weight (Kg)
18VCBB-1521	15-21	58	144	88.5	0,26
18VCBB-2127	21-27	70.5	178.5	105,2	0,46
18VCBB-2735	27-35	85	196.5	119,5	0,65
18VCBB-3550	35-50	-	-	-	-

Valvola a sfera

Ball Valve

U18VCBB

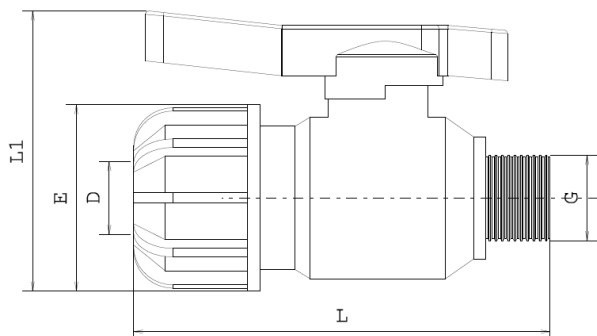


Code	UxD	E	F	L	L1	Peso Weight (Kg)
18VCBB-3-1521	25 x 15-21	53.5	53.7	88.5	88.5	0,275
18VCBB-4-2127	32 x 21-27	65.3	65.3	105,2	105,2	0,47
18VCBB-6-2735	40 x 27-35	85	78	119,5	119,5	0,63
18VCBB-7-3550	50 x 35-50	-	91	-	-	-

Valvola a sfera filettata maschio

Male Ball Valve

U18VCBM

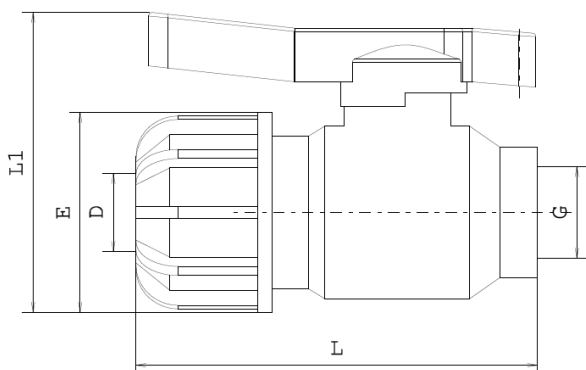


Code	DxG	E	L	L1	Peso Weight (Kg)
18VCBM-1521-C	15-21 x 3/4"	58	127.5	90.5	0,235
18VCBM-2127-D	21-27 x 1"	70.5	155	105,3	0,39
18VCBM-2735-E	27-35 x 1"1/4	85	166	117,5	0,53
18VCBM-3550-F	35-50 x 1"1/2	-	-	-	-

Valvola a sfera filettata femmia

Female Ball Valve

U18VCBF

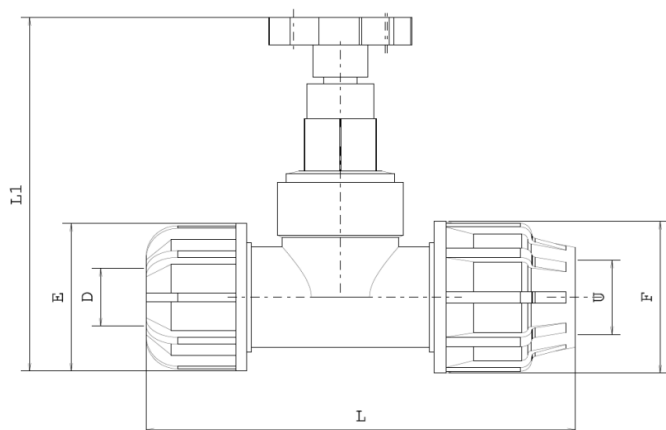
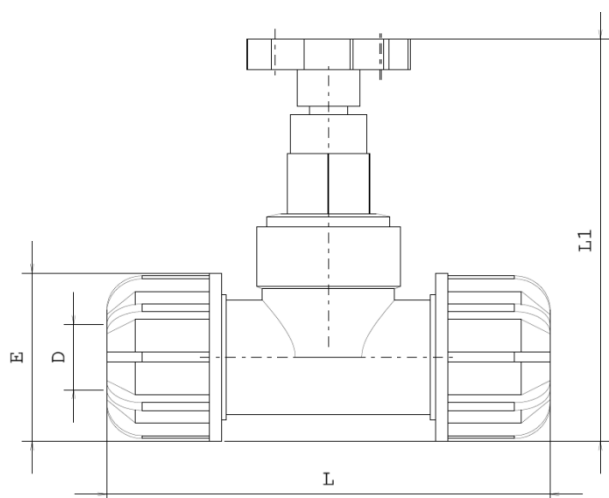


Code	DxG	E	L	L1	Peso Weight (Kg)
18VCBF-1521-C	15-21 x 3/4"	58	117	90	0,23
18VCBF-2127-D	21-27 x 1"	70.5	144	104,5	0,39
18VCBF-2735-E	27-35 x 1"1/4	85	155	117	0,52
18VCBF-3550-F	35-50 x 1"1/2	-	-	-	-

Rubinetto d'arresto

Stopcock

U54RA



Code	DxG	E	L	L1	Peso Weight (Kg)
U54RA-3-1521	15-21	58	149	128	0,19
U54RA-3-2127	21-27	70.5	200	133	0,23

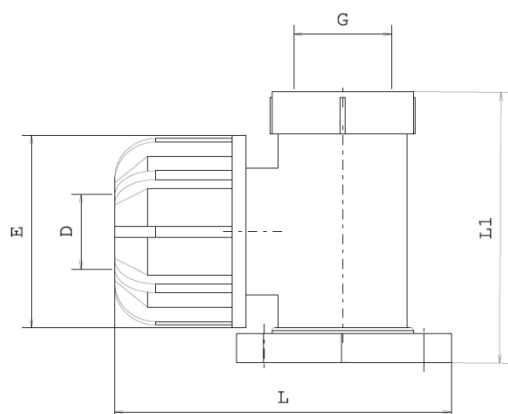


Code	DxG	E	F	L	L1	Peso Weight (Kg)
U54RA-3-1521	25 x 15-21	58	53.7	155	128	0,22
U54RA-3-2127	32 x 21-27	70.5	65.3	205	133	0,275

Gomito a muro

Wall Elbow

U69965



Code	DxG	E	L	L1	Peso Weight (Kg)
U56965-1521-B	15-21 x 1/2"	58	97	75	0,103
U56965-1521-C	15-21 x 3/4"	58	97	75	0,11
U56965-2127-D	21-27 x 1"	70.5	119	86.5	0,155



Member of Green
Building Council Italia



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