



International
EN/ENG



ECO LINE // MECHANICAL COMPOSITE COUPLINGS



ECO LINE



A SUSTAINABLE CHOICE THAT FITS ALL PLASTIC PIPES

For over two decades, Isiflo has pioneered the development of advanced high-performance composite materials. Eco Line is the latest innovation in our proven and trusted composite product range.

Our new Eco Line Compression Couplings for drinking water seamlessly blend the best of both worlds: they offer the same reliable performance and user-friendly design as our renowned brass couplings, while being crafted from the same cutting-edge composite materials used in our established composite range. These fittings are exceptionally

easy to install, fully corrosion-resistant, and approved for direct underground burial. Every component is 100% recyclable at the end of its service life, underlining our commitment to sustainability. Backed by a full 20-year warranty, Eco Line delivers long-term peace of mind and environmental responsibility without compromise.

**THE COMPOSITE REVOLUTION.
STRONGER. GREENER. FOREVER.**

TECHNICAL INFORMATION

MATERIAL DESCRIPTION

BODY & NUT

Glass fibre reinforced Polyamide (PA 12)

O-RING

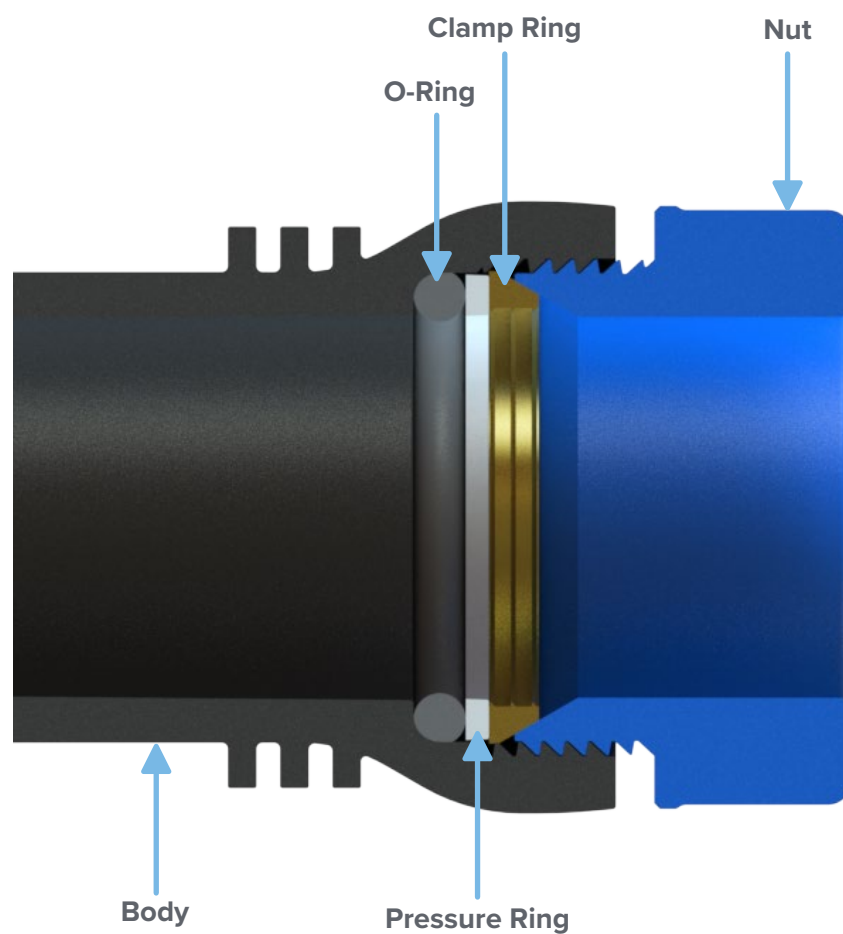
EPDM

PRESSURE RING

Composite

CLAMP RING

DZR Brass



AREA OF USE

DRINKING WATER

Operating pressure: Max 16 bar

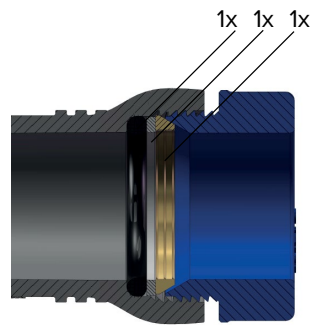
Pipes: PEHD, PEHD according to EN-12201. PVC according to EN 1452.

PEX according to BRL-K17301.

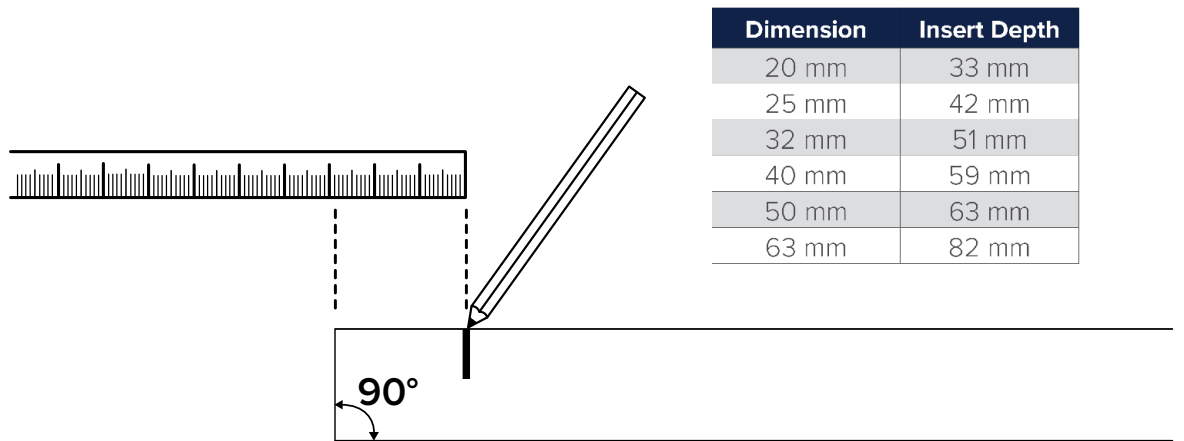
Support insert required for PEX and thin-walled PE pipes >SDR17

INSTALLATION INSTRUCTIONS

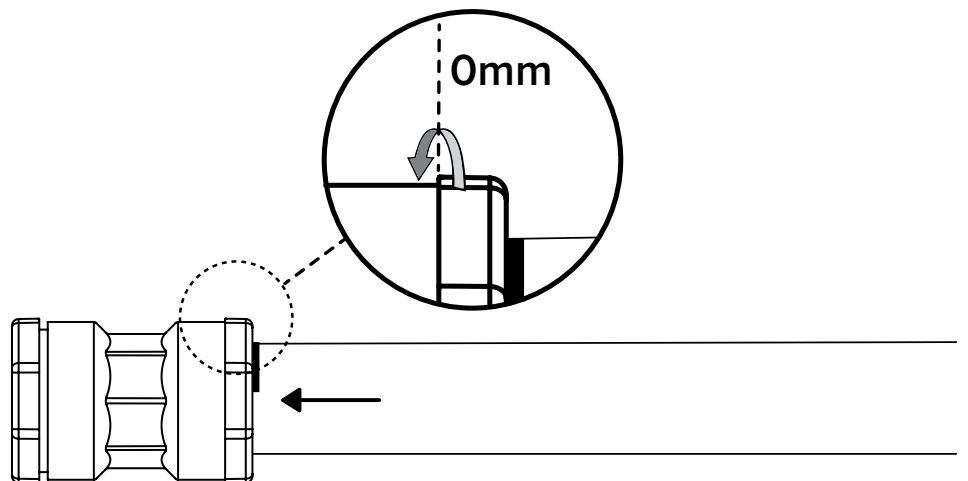
1



2



3



4

TYPE 101: REPAIR COUPLING

D x D	Item Number
20 x 20 mm	871012020
25 x 25 mm	8211013
32 x 32 mm	8211014
40 x 40 mm	8211015
50 x 50 mm	8211016
63 x 63 mm	8211017



INSERT DEPTH ECO LINE REPAIR COUPLING

D	Insert Depth (mm)		Max distance between pipe ends (mm)
	(min.)	(max.)	
20 mm	33	65	68
25 mm	42	58	42
32 mm	51	63	44
40 mm	59	79	56
50 mm	63	86	62
63 mm	82	103	62

TYPE 100: STRAIGHT COUPLING

D x D	Item Number
20 x 20 mm	871002020
25 x 25 mm	871002525
32 x 32 mm	871003232
40 x 40 mm	871004040
50 x 50 mm	871005050
63 x 63 mm	871006363



TYPE 102: STRAIGHT REDUCER

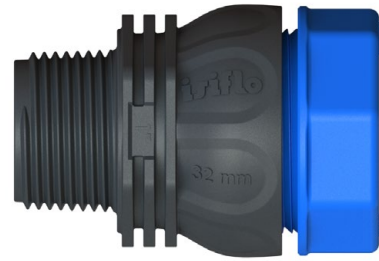
D x D	Item Number
25 x 20 mm	871022520
32 x 25 mm	871023225
40 x 32 mm	871024032
50 x 40 mm	871025040
63 x 50 mm	871026350



D = Dimension (OD) in mm
 Di = Isifo's thread dimension
 R = Conical pipe thread acc. to ISO 7
 G = Cylindrical pipe thread acc. to ISO 228

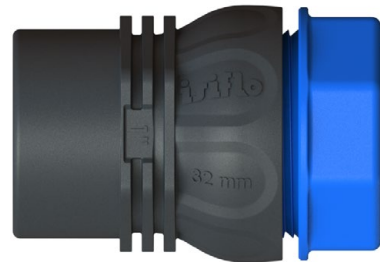
TYPE 105/110/112: MALE COUPLING

D x R	Item Number
20 mm x ½"	871102020
25 mm x ¾"	871102525
25 mm x ½"	871102520
25 mm x 1"	871102532
32 mm x ¾"	871103225
32 mm x 1"	871103232
32 mm x 1 ¼"	871103240
40 mm x 1 ¼"	871104040
50 mm x 1 ½"	871105050
63 mm x 2"	871106363



TYPE 115/116: FEMALE COUPLING

D x R	Item Number
25 mm x ¾"	871162525
25 mm x 1"	871162532
32 mm x 1"	871163232
32 mm x ¾"	871163225
40 mm x 1"	871164032
40 mm x 1 ¼"	871164040
50 mm x 1 ¼"	871165040
50 mm x 1 ½"	871165050
63 mm x 2"	871166363



“ A COMPLETE RANGE
OF COMPOSITE
COUPLINGS

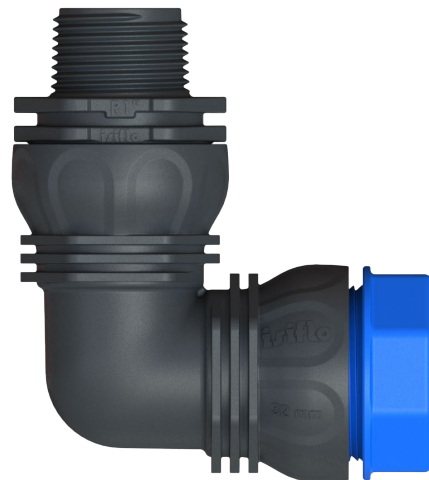
TYPE 120: ELBOW 90°

D x D	Item Number
20 x 20 mm	871202020
25 x 25 mm	871202525
32 x 32 mm	871203232
40 x 40 mm	871204040
50 x 50 mm	871205050
63 x 63 mm	871206363



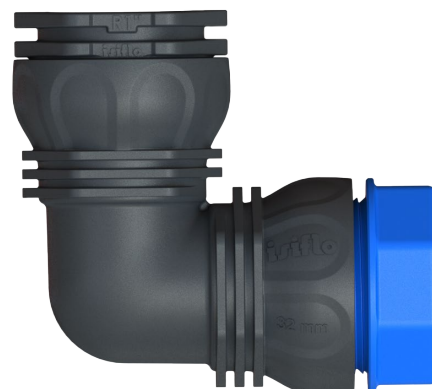
TYPE 121: MALE ELBOW 90°

D x R	Item Number
25 mm x ¾"	871212525
32 mm x 1"	871213232
40 mm x 1 ¼"	871214040
50 mm x 1 ½"	871215050
63 mm x 2"	871216363



TYPE 122: FEMALE ELBOW 90°

D x R	Item Number
25 mm x ¾"	871222525
32 mm x 1"	871223232
40 mm x 1 ¼"	871224040
50 mm x 1 ½"	871225050
63 mm x 2"	871226363



D = Dimension (OD) in mm
 Di = Isifo's thread dimension
 R = Conical pipe thread acc. to ISO 7
 G = Cylindrical pipe thread acc. to ISO 228



TYPE 125: TEE

D x D x D	Item Number
20 x 20 x 20 mm	871252020
25 x 25 x 25 mm	871252525
32 x 32 x 32 mm	871253232
40 x 40 x 40 mm	871254040
50 x 50 x 50 mm	871255050
63 x 63 x 63 mm	871256363



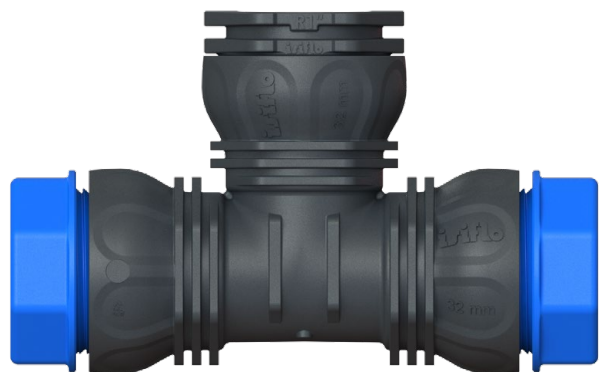
TYPE 130: TEE REDUCER

D x D x D	Item Number
25 x 20 x 25 mm	871302520
32 x 25 x 32 mm	871303225
40 x 32 x 40 mm	871304032
50 x 40 x 50 mm	871305040
63 x 50 x 63 mm	871306350



TYPE 131: TEE MALE

D x R x D	Item Number
25 mm x ¾" x 25 mm	871312525
32 mm x 1" x 32 mm	871313232
40 mm x 1¼" x 40 mm	871314040
50 mm x 1½" x 50 mm	871315050
63 mm x 2" x 63 mm	871316363



TYPE 132: TEE FEMALE

D x R x D	Item Number
25 mm x ¾" x 25 mm	871322525
32 mm x 1" x 32 mm	871323232
40 mm x 1¼" x 40 mm	871324040
50 mm x 1½" x 50 mm	871325050
63 mm x 2" x 63 mm	871326363

TYPE 135/335: PE-REDUCER

Di x D	Type	Item Number
25 x 20 mm	135	871352520
32 x 25 mm	135	8211354
40 x 32 mm	135	8211355
50 x 40 mm	135	8211356
63 x 50 mm	135	8211357
25 x 20 mm	335*	873352520
63 x 50 mm	335*	8213357

*"No-stop", slip adaptor w/o any internal stop



TYPE 136: PUSH-IN ADAPTOR

Di x D	Item Number
32 x Sprint 25 mm	8211369
32 x Sprint 32 mm	8211364
40 x Sprint 32 mm	8211365
40 x Sprint 40 mm	8211368



TYPE 144: DOUBLE CONNECTION NIPPLE

Di x Di	Item Number
32 x 32 mm	8211444
40 x 40 mm	8211445
63 x 63 mm	8211447



TYPE 146/147: MALE ADAPTOR

Di x R	Type	Item Number
32 mm x 1 ¼"	146	8212464
25 mm x ¾"	147	8212473
32 mm x 1"	147	8212474
40 mm x 1 ¼"	147	8212475
50 mm x 1 ½"	147	8212476
63 mm x 2"	147	8212477



TYPE 148: FEMALE ADAPTOR

Di x R	Item Number
25 mm x ¾"	8212483
32 mm x 1"	8212484
40 mm x 1 ¼"	8212485
50 mm x 1 ½"	8212486
63 mm x 2"	8212487



BUILDING BRICK SYSTEM

ECO LINE ADAPTS TO YOUR NEEDS

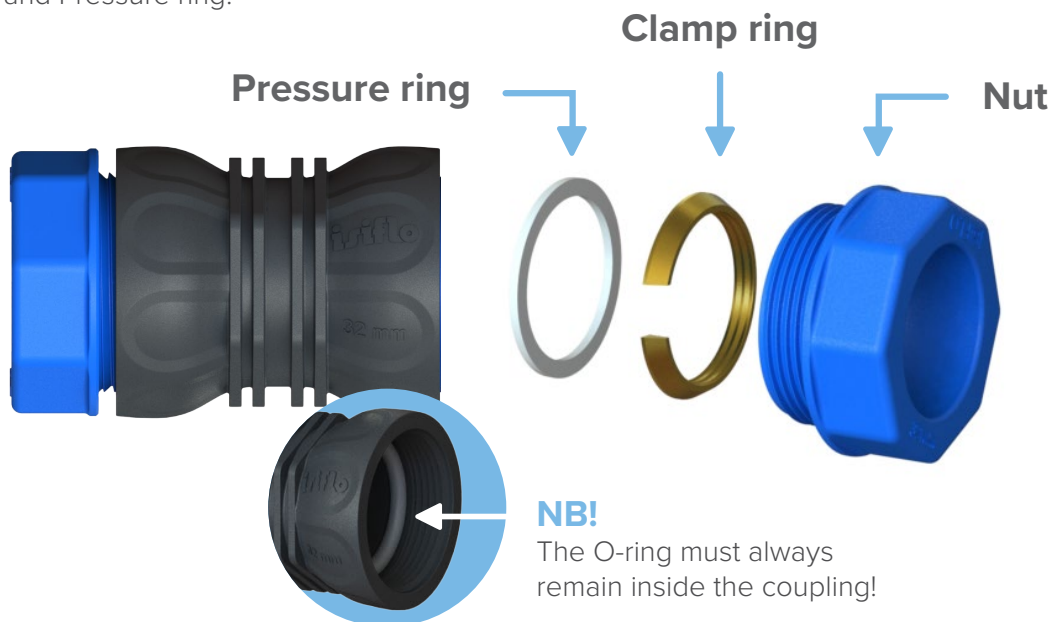
Using the unique lego system, the Eco Line range lets you add **male and female threads and reducers** to any couplings.

This gives you the freedom and ease of use to handle a wide range of connections without the need of specialized couplings.

Start with a straight coupling, elbow or tee - and go anywhere!
Adaptors available for sizes Ø 25-63 mm.

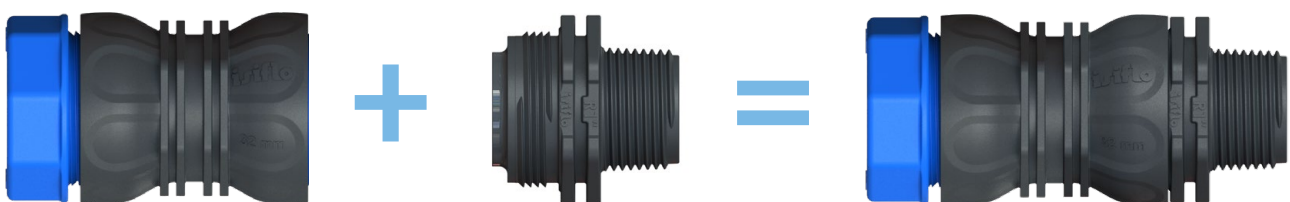
STEP 1:

Remove Nut, Clamp ring and Pressure ring.



STEP 2:

Add adapter.



TYPE 100:
Straight Coupling

TYPE 147:
Male Adaptor

Straight Coupling
w/ Male Threads

WANT TO KNOW MORE ABOUT ISIFLO AND SUSTAINABILITY?

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