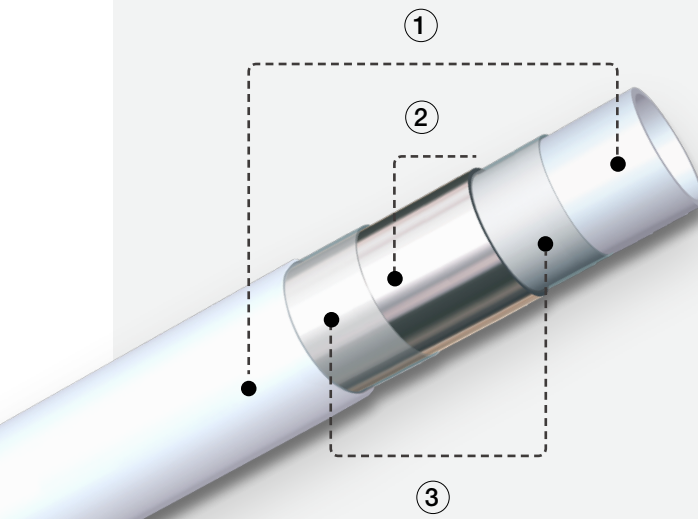


RIIFO MULTILAYER PIPES



1 External and internal layers

Made of cross-linked polyethylene (PE-X). The silane cross-linking provides superior chemical and mechanical properties.

2 Intermediate layer

The aluminium layer provides strength and stability and acts as an oxygen barrier.

3 Bonding layers

The high quality adhesive layers bond the inner aluminium layer with the inner and outer PE-X layers.

Advantages



High pressure and temperature resistant 10 bar / 95°C



Lightweight and easy to install



Impermeable to oxygen and light



Low pressure loss due to smooth inner layer



Very flexible, yet dimensionally stable



Low thermal linear expansion



Corrosion resistant



Hygienic

Nominal size (D x e)		12x1.5	14x2.0	16x2.0	18x2.0	20x2.0	25x2.5	26x3.0	32x3.0	40x4.0	50x4.5	63x6.0	75x7.5
Nominal size (D x e)		12x1.5	14x2.0	16x2.0	18x2.0	20x2.0	25x2.5	26x3.0	32x3.0	40x4.0	50x4.5	63x6.0	75x7.5
Outside diameter (mm)		12	14	16	18	20	25	26	32	40	50	63	75
Tolerance of outer diameter (mm)	Min.	12	14	16	18	20	25	26	32	40	50	63	75
	Max.	12.25	14.2	16.2	18.2	20.2	25.2	26.2	32.2	40.3	50.3	63.4	75.6
Inside diameter (mm)		9	10	12	14	16	20	20	26	32	41	51	60
Tolerance of Inner diameter (mm)	Min.	8	9.5	11.5	13.5	15.4	19.6	19.6	25.5	30.8	39.6	49.4	58
	Max.	8.85	10.2	12.2	14.2	16.2	20.4	20.4	26.4	32.3	41.3	51.4	60.6
Wall thickness (mm)		1.7	2	2	2	2	2.5	3	3	4	4.5	6	7.5
Tolerance of wall thickness (mm)	Min.	1.7	2	2	2	2	2.4	2.9	2.9	4	4.5	6	7.5
	Max.	2	2.25	2.25	2.25	2.3	2.7	3.2	3.25	4.6	5.2	6.8	8.5
Weight (kg/m)		0.075	0.096	0.13	0.114	0.153	0.232	0.271	0.352	0.849	1.322	1.993	2.617
Volume (L/m)		0.30	0.56	0.70	0.53	0.84	1.46	1.58	2.43	3.31	5.52	8.62	14.57
Roughness (mm)		0.0007											
Density (g/cm3)		0.926-0.959											
Modulus of elasticity (MPa)		7200											
Thermal conductivity (w/mK)		0.45											

MULTIPROFILE PRESS FITTINGS



Multiprofile: TH - U - B - H pressing profiles



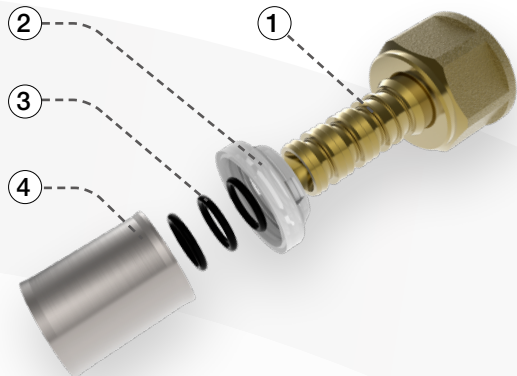
Leak before press (LBP)



Still adjustable after pressing



Three O-rings for excellent sealing performance



1

Body

Material: brass CW617N

2

Plastic collar

Material: PE

3

O-rings

Material: EPDM

4

Sleeve

Material: stainless steel 304

For multilayer pipes, PE-X and PE-RT pipes: diameters 12 to 75 mm

PRESS JAW PROFILES

Each press jaw has a press profile. The multiprofile press fittings are compatible with the most common press profiles: TH, U, B and H.

RIIFO multiprofile press fittings can therefore be pressed with almost all common pressing jaws.

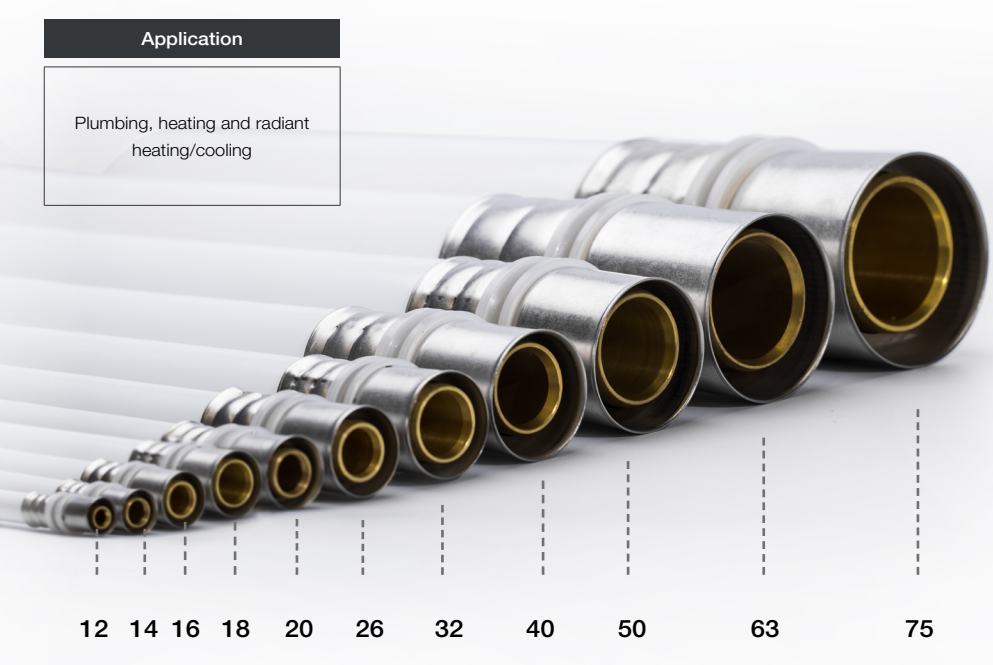
Press jaw profiles				
TH	U	B	H	
diameter 16	✓	✓	✓	✓
diameter 20	✓	✓	✓	✓
diameter 26	✓	-	✓	✓
diameter 32	✓	✓	✓	✓
diameter 40	✓	✓	-	-

SYSTEM WARRANTY

We guarantee high quality and offer a 25-year system warranty.



RANGE OF MULTILAYER PIPES



Straight lengths
Diameters: 12 - 75 mm
Lengths: 5 m

Naked coils
Diameters: 12 - 32 mm
Lengths: 25 - 600 m

Pre-insulated coils
Diameters: 16 - 32 mm
Lengths: 25 - 100 m

Corrugated coils
Diameters: 16 - 32 mm
Lengths: 25 - 100 m

PREINSULATED PIPES

Advantages:

- Excellent insulation properties
- Prevents condensation
- Accommodates the expansion of the inner pipe
- Protects the inner pipe
- Prevents sound transmission
- Colour coded for hot and cold water
- Up to diameter 32
- Insulation thickness: 6, 9 and 13 mm - 20 mm and thicker on request



PIPES WITH CORRUGATED CONDUIT

Advantages:

- Protects the inner pipe against mechanical damage
- Flexible (axially) and rigid (radially)
- Accommodates the expansion of the inner pipe
- Insulating effect
- Allows in cases to replace the medium pipe
- Colour coded for hot and cold water
- Up to diameter 32
- Dimensions (ID/OD): 20/25, 23/28, 30/34 and 38/44



CERTIFICATES



GERMANY



NETHERLANDS



FRANCE



FRANCE



UK



SPAIN



AUSTRALIA



FINLAND



USA



ABOUT RIIFO

RIIFO is a leading multinational corporation, providing one-stop piping solutions applied in residential, commercial, agricultural, industrial, and infrastructural sectors. Persistently reinventing since 1996, with over 8,000 employees, 70 branches & subsidiaries, and 300,000 distributors, we are serving customers in more than 100 countries and regions.

With an integrated value chain, from R&D to manufacturing and retail distribution, we strive to fulfill our mission of offering integrated piping solutions and services to everyone around the world.



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MULTILAYER PLUMBING SYSTEM



RIIFO

MULTIPROFILE
PRESS FITTINGS - F18

Straight coupling

Article number	Specifications
1100046393	16x16
1100046394	20x20
1100046405	26x26
1100046406	32x32
1100045768	40x40
1100045769	50x50
1100045770	63x63
1100045771	75x75

Reducing coupling

Article number	Specifications
1100046415	20x16
1100047050	26x16
1100045755	26x20
1100045756	32x16
1100046416	32x20
1100045758	32x26
1100045759	40x26
1100045760	40x32
1100045761	50x32
1100045762	50x40
1100045763	63x40
1100045764	63x50
1100045767	75x40
1100045765	75x50
1100045766	75x63

Male straight coupling

Article number	Specifications
1100046432	16x3/8M
1100046433	16x1/2M
1100046434	16x3/4M
1100046435	20x1/2M
1100046436	20x3/4M
1100046437	20x1M
1100045805	26x3/4M
1100045806	26x1M
1100047058	32x1M
1100045808	32x1 1/4M
1100047059	40x1M
1100045812	40x1 1/4M
1100045809	40x1 1/2M
1100045813	50x1 1/2M
1100045810	50x2M
1100045811	63x1 1/2M
1100045814	63x2M
1100045815	75x2 1/2M

Male straight coupling with O-ring, cylindrical thread (G)

Article number	Specifications
1100059170	16xG1/2M
1100059171	20xG1/2M

Male straight coupling, cylindrical thread (G)

Article number	Specifications
1100052146	16xG3/8M
1100052147	16xG1/2M
1100052148	20xG1/2M
1100052149	20xG3/4M
1100052150	26xG3/4M
1100052151	26xG1M

Female straight coupling

Article number	Specifications
1100046424	16x1/2F
1100046425	16x3/4F
1100046426	20x1/2F
1100046427	20x3/4F
1100046428	20x1F
1100045798	26x3/4F
1100045799	26x1F
1100046431	32x1F
1100045807	32x1 1/4F
1100056083	40x1F
1100045800	40x1 1/4F
1100045804	40x1 1/2F
1100045801	50x1 1/2F
1100045802	63x2F
1100045803	75x2 1/2F

Female straight coupling, demountable with swivel nut and flat sealing

Article number	Specifications
1100045783	16x3/8F
1100045784	16x1/2F
1100045785	16x3/4F
1100045786	20x1/2F
1100045787	20x3/4F
1100045788	26x3/4F
1100045789	26x1F
1100045790	32x1F
1100045791	32x1 1/4F
1100045793	40x1 1/4F
1100045792	40x1 1/2F
1100045794	50x1 1/2F
1100045797	50x2F
1100045795	63x2F
1100045796	75x2 1/2F

Press-fit adapter to eurocone

Article number	Specifications
1100047344	16x3/4F EK
1100047345	20x3/4F EK

Press-fit adapter to copper compression

Article number	Specifications
1100045780	16x15Cu
1100045781	20x22Cu
1100045782	26x22Cu

Press-fit adapter to copper press V/M/SA

Article number	Specifications
1100055638	16 x 12Cu V/M/SA
1100055639	16 x 15Cu V/M/SA
1100055640	20 x 15Cu V/M/SA
1100055641	20 x 22Cu V/M/SA
1100055642	26 x 22Cu V/M/SA
1100055643	32 x 28Cu V/M/SA

Press-fit adapter with copper pipe

Article number	Specifications
1100052138	16x10Cu
1100052139	16x12Cu
1100052140	16x15Cu
1100052141	20x18Cu
1100052142	20x22Cu
1100052143	26x22Cu
1100052144	26x28Cu
1100052145	32x28Cu

End cap

Article number	Specifications
1100045772	16
1100045773	20
1100045774	26
1100045775	32
1100045776	40
1100045777	50
1100045778	63
1100045779	75

Tee

Article number	Specifications
1100046412	16x16x16
1100046413	20x20x20
1100045902	26x26x26
1100046414	32x32x32
1100045903	40x40x40
1100045904	50x50x50
1100045905	63x63x63
1100045906	75x75x75

Reducing tee

Article number	Specifications
1100045876	16x20x16
1100046417	20x16x16
1100046418	20x16x20
1100046419	20x20x16
1100045880	20x26x20
1100045881	26x16x16
1100045882	26x16x20
1100045883	26x16x26
1100047051	26x20x16
1100045884	26x20x20
1100045885	26x20x26
1100047052	26x26x16
1100047053	26x26x20
1100047054	26x32x26
1100047055	32x16x32
1100052934	32x20x26
1100058970	32x20x32
1100058971	32x26x26
1100045888	32x26x32
1100058970	32x32x20
1100058971	32x32x26
1100047056	40x16x40
1100045889	40x20x40
1100045890	40x26x40
1100045892	40x32x40
1100045891	40x32x32
1100047057	50x20x50
1100045893	50x26x50
1100045894	50x32x50
1100045895	50x40x50
1100045896	63x26x63
1100045897	63x32x63
1100045898	63x40x63
1100045899	63x50x63
1100045900	75x40x75
1100045901	75x50x75
1100045879	75x63x75

Male tee

Article number	Specifications
1100045855	16x1/2Mx16
1100045856	20x1/2Mx20
1100047060	20x3/4Mx20
1100047061	26x1/2Mx26
1100046557	26x3/4Mx26
1100047062	26x1Mx26
1100045842	32x3/4Mx32
1100045858	32x1Mx32
1100045854	50x1 1/2Mx50

Female tee

Article number	Specifications
1100046449	16x1/2Fx16
1100046450	20x1/2Fx20
1100046451	20x3/4Fx20
1100045874	26x1/2Fx26
1100045875	26x3/4Fx26
1100046452	32x1/2Fx32
1100046453	32x3/4Fx32
1100046454	32x1Fx32
1100045862	40x1/2Fx40
1100045869	40x3/4Fx40
1100045863	40x1Fx40
1100045864	40x1 1/4Fx40
1100045865	50x1/2Fx50
1100045866	50x3/4Fx50
1100045860	50x1Fx50
1100045867	50x1 1/2Fx50
1100045868	63x1/2Fx63
1100045869	63x3/4Fx63
1100045870	63x1Fx63
1100045861	63x2Fx63
1100046441	75x1Fx75
1100045872	75x2Fx75
1100045873	75x2 1/2Fx75

Elbow 90°

Article number	Specifications
1100046407	16x16
1100046408	20x20
1100047049	26x26
1100046409	32x32
1100045830	40x40
1100045832	50x50
1100045834	63x63
1100045836	75x75

Male elbow 90°

Article number	Specifications
1100045816	16x3/8M
1100046445	16x1/2M
1100046446	20x1/2M
1100046447	20x3/4M
1100045817	26x3/4M
1100045818	26x1M
1100046448	32x1M
1100045819	40x1 1/4M
1100045820	50x1 1/2M
1100045821	63x2M

Male elbow 90°, cylindrical thread (G)

Article number	Specifications
1100052153	16xG1/2M
1100052152	20xG3/4M
1100052154	26xG1M

Female elbow 90°

Article number	Specifications
1100046438	16x1/2F
1100046439	20x1/2F
1100046440	20x3/4F
1100045828	26x3/4F
1100045829	26x1F
1100046441	32x1F
1100045824	40x1 1/4F
1100045825	40x1 1/2F
1100045826	50x1 1/2F
1100045827	63x2F

Female elbow 90°, demountable with swivel nut and flat sealing

Article number	Specifications
1100045838	16x3/4F
1100047043	20x3/4F
1100045839	26x3/4F

Elbow 45°

Article number	Specifications
1100046410	26x26
1100046411	32x32
1100045831	40x40
1100045833	50x50
1100045835	63x63
1100045837	75x75

Elbow press fit adapter 90° to copper compression

Article number	Specifications
1100056318	16x15Cu
1100056319	20x22Cu
1100056320	26x22Cu

Elbow 90° for connection of cistern, built-in toilet, 1/2"

Article number	Specifications
1100059073	16x1/2F

Elbow press-fit adapter to copper press, plated

Article number	Specifications
1100058983	16x12Cu - 200 mm
1100052131	16x15Cu - 200 mm

Female wall elbow

Article number	Specifications
1100055644	16x3/8F- 38 mm -40 W
1100046442	16x1/2F- 38 mm
1100055646	16x1/2F- 52 mm
1100055647	16x1/2F- 78 mm
1100046443	20x1/2F- 42 mm
1100055649	20x1/2F- 52 mm
1100055650	20x1/2F- 78 mm
1100046444	20x3/4F- 42 mm
1100055652	20x3/4F- 52 mm
1100055654	26x3/4F- 52 mm -40 W

Female wall elbow, U-shape

Article number	Specifications
1100052162	16x1/2Fx16
1100052163	20x1/2Fx16
1100052164	20x1/2Fx20
1100052165	26x1/2Fx20
1100052166	26x1/2Fx26

Male tap elbow mixer, U-shape

Article number	Specifications
1100050412	16x16xR1/2M
1100050413	16x16xR3/4M
1100050414	20x20xR1/2M
1100050415	20x20xR3/4M

Female double wall elbow, 90°

Article number	Specifications
1100045907	16x1/2Fx16
1100045908	20x1/2Fx20

Galvanized straight backplate with two wall elbows

Article number	Specifications
1100052157	16x1/2F, ctc 75/120/150 mm
1100052158	20x1/2F, ctc 75/120/150 mm

Galvanized backplate type "Gemini" with two wall elbows

Article number	Specifications
1100052159	16x3/8F, ctc 120 mm
1100052160	16x1/2F, ctc 150 mm
1100052161	20x1/2F, ctc 150 mm

Galvanized bent backplate premounted with two wall elbows

Article number	Specifications
1100052170	16x1/2F, ctc 75/120/150 mm
1100052169	20x1/2F, ctc 75/120/150 mm

Galvanized backplate with two wall elbows and mounting plugs, for drywall construction

Article number	Specifications
1100052167	16x1/2F
1100052168	20x1/2F

Wall box with press fitting

Article number	Specifications
1100052155	16x1/2F
1100052156	20x1/2F

Mounting plate for wall box

Article number	Specifications
1100052175	WBD

Drywall tap elbow

Article number	Specifications
1100050408	L16x1/2F-DWT25
1100050409	L16x1/2F-DWT35

Drywall tap elbow, U

Article number	Specifications
1100050410	U16x1/2Fx16-DWT25
1100050411	U16x1/2Fx16-DWT35

Press-fit adapter wall penetration

Article number	Specifications
1100050376	S-G1/2F

Straight mounting plate, galvanized steel

Article number	Specifications
1100052172	MPS ctc 75/120/150 mm

Galvanized bent backplate, galvanized steel

Article number	Specifications
1100052171	MPS ctc 75/120/150 mm

Mounting plate type "Gemini", galvanized steel

Article number	Specifications
1100052173	MPG ctc 120 mm
1100052174	MPG ctc 150 mm