



PIPEX[®]

THINK FLEXIBLE



CATALOGUE 2025

XPULLFIT[™] PN10
SLIDING SLEEVE SYSTEM

PN10

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Our **PullFitt PN10** sliding sleeve system offers quick and easy installation without the need for gluing, soldering, or welding, ensuring maximum reliability and safety. This method of connecting pipes and fittings is widely adopted in plumbing and heating systems. The system leverages the high elasticity of PE-Xa pipes and the shape memory of cross-linked polyethylene, making it both efficient and durable. Due to its ease of installation and proven reliability, **PullFitt** is very popular for various applications, including potable water supply, heating, and cooling systems.

Advantages of PullFitt PN10 System

- Simple to assemble and quick to install.
- Compatible with PE-Xa pipes.
- Higher flow rate with lower pressure drops compared to press fittings.
- Secure sealing system with no O-ring required.
- Safe and reliable operation.
- No scale formation and increased corrosion resistance.
- Fittings effectively absorb dimensional variations in plastic tubing.
- Practical tools that save both time and money.
- Wide range of fittings and threaded connections.
- 10-year warranty on the entire system (pipes and fittings)*
- Certified system according to UNE-EN ISO 15875.
- Suitable for plumbing, heating, air conditioning, and surface (floor, wall, ceiling) heating/cooling systems.
- Made with materials approved for potable water transportation, ensuring no odours, flavours, or toxicity.
- OEM solutions.

Certified System



001/007187

(*) See warranty and reliability conditions in our installation guide.

System Components of PullFitt PN10

The system has been designed to operate within the technical specifications of pressure and temperature, guaranteeing a minimum durability of 50 years.

The fittings of the **PullFitt PN10** system are designed to use PE-Xa pipe according to the applications defined in EN ISO 15875.

All systems that meet the conditions specified in the table must be suitable for the conduction of cold water for a period of 50 years at a temperature of 20 °C and a design pressure of 10 bar.

Service conditions according to EN ISO 2103

Class and application	Design temperature TD	TD time (years)	Tmax	Time Tmax (years)	Tmal	Time Tmal (hours)
Class 1 - Supply hot water (60 °C)	60 °C	49	80	1	95	100
Class 2 - Supply hot water (70 °C)	70 °C	49	80	1	95	100
Class 4 - Radiant floor heating and low-temperature radiators	20°C followed by 40°C followed by 60°C	2.5 followed by 20 followed by 25	70	2.5	100	100
Class 5 - High-temperature radiators	20°C followed by 60°C followed by 80°C	14 followed by 25 followed by 10	90	1	100	100

TD: Design Temperature - Tmax: Maximum Temperature - Tmal: Malfunction Temperature

(*) If these conditions are exceeded, the warranty will be voided.

Each country can choose between class 1 or 2 according to its national regulations.

When more than one design temperature appears for any class, times should be added (e.g., the temperature profile for 50 years for class 5 is: 14 years at 20 °C followed by 25 years at 60 °C, 10 years at 80 °C, 1 year at 90 °C, and 100 h at 100 °C)

These standards do not apply to TD, Tmax and Tmal values higher than those indicated in the table.

All installations must use only water or treated water as the circulating fluid.



PE-Xa / PE-Xa EVOH Pipe

Auray Managing utilizes premium polyethylene and cutting-edge cross-linking technology to produce high-performance PE-Xa pipes. Both PE-Xa and PE-Xa EVOH pipes are available in rolls and bars, allowing for selection based on project requirements. They adhere to standardized certifications in compliance with UNE-EN ISO 15875.

Key advantages of PE-Xa pipes:

- High flexibility.
- Shape memory.
- Enhanced pressure resistance.
- Impact, tensile, scratch, and brittle break resistance.
- Long service life, typically exceeding 50 years under normal conditions.
- Excellent resistance to abrasion and chemical exposure.
- Safe for use in sub-zero temperatures, as the pipe's adaptability allows it to expand without breaking, even in extreme cold.
- Lower pressure loss compared to metal pipes, resulting in higher flow rates with the same pipe diameter.
- Ideal for drinking water applications.
- Thanks to their polyethylene composition and flexibility, PE-Xa pipes significantly reduce noise transmission. Even at higher water flow speeds (up to 2.5 m/sec), they minimize acoustic wave propagation compared to metal pipes.

Characteristics of PE-Xa/PE-Xa EVOH

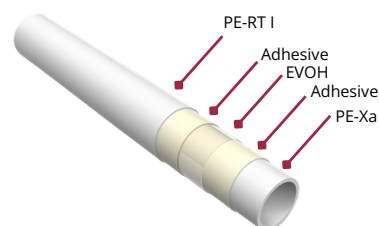
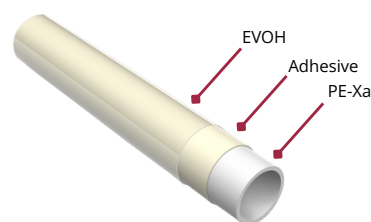
Physical Properties	
Density	> 0.951 g/m ³
Cross-linking degree	> 70 %
Roughness	0.007 mm
PE-Xa EVOH - O ₂ permeability at 40 °C	≤ 0.32 g/m ³ *d

Thermal Properties	
Minimum working temperature	-10 °C
Maximum working temperature	90 °C
Malfunction maximum temperature	100 °C
Heat reversion (120 °C, 1 hour)	≤ 3%
Thermal conductivity	0.35-0.38 W/m*K
Specific heat (23 °C)	2.3 KJ/kg*K
Lineal extension coefficient	0.026 mm/m*K

Standard

- DIN 53420
- EN-ISO 15875
- DIN52612

PE-Xa EVOH is available in 3 or 5 layers



Pipe dimensions

Outer diameter x Thickness (mm)	Inner diameter (mm)	Weight (kg/m)	Volume (l/m)
16 x 2.2	11.6	0.091	0.106
20 x 2.8	14.4	0.144	0.163
25 x 3.5	18	0.225	0.254
32 x 4.4	23.2	0.363	0.423

Other colours and diameters are available under request

The design pressures of each application class must be considered

Series	Class 1	Class 2	Class 4	Class 5
3.2	10 bar	10 bar	10 bar	10 bar

Sliding Sleeve

The sliding sleeves of the PullFitt PN10 system are crucial components for securely connecting and sealing pipes to fittings. These sleeves are made from high-quality technical polymer. Their symmetrical design minimizes the risk of assembly errors and significantly enhances ease of installation.



Fittings

The PullFitt PN10 system employs polyphenylsulfone (PPSU) for its plastic fitting bodies and high-quality European brass (CW617N) for threaded connections. Both materials meet the health regulations of the most stringent countries in the European Union.

The fittings are designed and manufactured in accordance with the UNE-EN ISO 15875 standard, which governs plastic piping systems for hot and cold-water installations using PE-X.



Benefits of PPSU Fittings

The PPSU version is made from a high-performance material specifically designed for potable water systems, offering several advantages:

- Minimal internal roughness: This results in lower pressure loss compared to brass fittings, ensuring better flow.
- Outstanding chemical resistance: The material is resistant to chlorine in water, preventing galvanic corrosion and oxidation issues. It is also compatible with a wide range of construction materials.
- Lightweight: PPSU fittings are significantly lighter than brass alternatives, making them easier to handle and install.
- Exceptional impact resistance: These fittings are robust and durable, able to withstand high impacts without fracturing.
- High thermal tolerance: The material can withstand temperatures of up to 134 °C without compromising its integrity.
- Noise reduction: Due to its low roughness coefficient, PPSU helps reduce noise from water flow and mitigates water hammer by 2 to 3 times compared to traditional copper or brass systems.

Product range



PE-Xa PIPE		
Reference	Diameter (mm)	Lenghts (m)
11011622000	16 x 2.2	50/100/200/500/600
11012028000	20 x 2.8	50/100/200/500/600
11012535000	25 x 3.5	50/100
11013244000	32 x 4.4	50/100



PE-Xa EVOH PIPE - 3 LAYERS		
Reference	Diameter (mm)	Lenghts (m)
11031622000	16 x 2.2	50/100/200/500/600
11032028000	20 x 2.8	50/100/200/500/600
11032535000	25 x 3.5	50/100
11033244000	32 x 4.4	50/100



PE-Xa EVOH PIPE - 5 LAYERS		
Reference	Diameter (mm)	Lenghts (m)
11051622000	16 x 2.2	50/100/200/500/600
11052028000	20 x 2.8	50/100/200/500/600
11052535000	25 x 3.5	50/100
11053244000	32 x 4.4	50/100

Other dimensions, colours and lenghts are available under request

Insulated pipe



Insulated PE-Xa with and without EVOH			
Reference	Diameter (mm)	Foam thickness	Lenghts (m)
21606S11071-A1011622000	16 x 2.2	6 mm	50/100/200/500/600
22006S11071-A1012028000	20 x 2.8	6 mm	50/100/200/500/600
22510S11071-A1012535000	25 x 3.5	10 mm	50/100
23210S11071-A10123244000	32 x 4.4	10 mm	50/100

Corrugated pipe



Corrugated PE-Xa with and without EVOH			
Reference	PE-Xa diameter (mm)	Outer diameter corrugated (mm)	Coils (m)
14011162200	16 x 2.2	700	50/100 m
14011202800	20 x 2.8	750	50/100 m
14011253500	25 x 3.5	750	25/50 m
14011324400	32 x 4.4	750	25/50 m

Other dimensions and colours are available under request

Product range



SLIDING SLEEVE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0501P160000	16	50	550
A0501P200000	20	50	350
A0501P250000	25	10	190
A0501P320000	32	10	110



EQUAL COUPLING			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0270P160016	16x16	10	300
A0270P200020	20x20	10	200
A0270P250025	25x25	10	130
A0270P320032	32x32	5	35



REDUCED COUPLING			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0243P200016	20x16	10	230
A0243P250020	25x20	10	180
A0243P250016	25x16	10	150
A0243P320025	32x25	5	80



90° ELBOW			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0090P160016	16x16	10	200
A0090P200020	20x20	10	140
A0090P250025	25x25	10	80
A0090P320032	32x32	3	42



TEE EQUAL			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0130P161616	16x16x16	10	160
A0130P202020	20x20x20	10	90
A0130P252525	25x25x25	10	60
A0130P323232	32x32x32	3	27

Product range



REDUCED TEE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130RP162016	16x20x16	10	130
A130RP162516	16x25x16	10	100
A130RP201616	20x16x16	10	130
A130RP201620	20x16x20	10	120
A130RP202016	20x20x16	10	100
A130RP202516	20x25x16	10	80
A130RP202520	20x25x20	10	80
A130RP251616	25x16x16	10	90
A130RP251620	25x16x20	10	90
A130RP251625	25x16x25	10	70
A130RP252016	25x20x16	10	80
A130RP252020	25x20x20	10	80
A130RP252025	25x20x25	10	60
A130RP252516	25x25x16	10	70
A130RP252520	25x25x20	10	60
A130RP253225	25x32x25	3	39
A130RP321632	32x16x32	3	39
A130RP322032	32x20x32	3	39
A130RP322525	32x25x25	3	39
A130RP322532	32x25x32	3	33

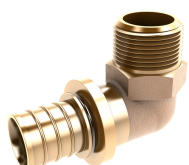


MALE CONNECTOR			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A243GB160012	16x1/2"M	10	330
A243GB160034	16x3/4"M	10	260
A243GB200012	20x1/2"M	10	250
A243GB200034	20x3/4"M	10	230
A243GB250012	25x1/2"M	10	200
A243GB250034	25x3/4"M	10	170
A243GB250001	25x1"M	10	120
A243GB320034	32x3/4"M	10	110
A243GB320001	32x1"M	10	80

Product range



FEMALE CONNECTOR			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A270GB160012	16x1/2"F	10	300
A270GB200012	20x1/2"F	10	270
A270GB200034	20x3/4"F	10	200
A270GB250034	25x3/4"F	10	160
A270GB250001	25x1"F	10	100
A270GB320001	32x1"F	10	90



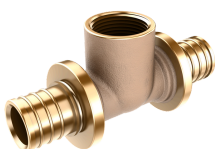
MALE ELBOW			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A092GB160012	16x1/2"M	10	280
A092GB200012	20x1/2"M	10	210
A092GB200034	20x3/4"M	10	170
A092GB250034	25x3/4"M	10	120
A092GB250001	25x1"M	10	90
A092GB320001	32x1"M	10	60



FEMALE ELBOW			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A090GB160012	16x1/2"F	10	270
A090GB160034	16x3/4"F	10	200
A090GB200012	20x1/2"F	10	210
A090GB200034	20x3/4"F	10	170
A090GB250034	25x3/4"F	10	120
A090GB250001	25x1"F	10	90
A090GB320001	32x1"F	10	60

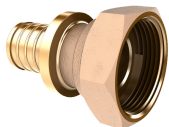


FEMALE ELBOW WITH FIXING BASE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A473GB160012	16x1/2"F	10	140
A473GB200012	20x1/2"F	10	120
A473GB200034	20x3/4"F	10	100



TEE FEMALE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130GB161216	16x1/2"Fx16	10	190
A130GB201220	20x1/2"Fx20	10	120
A130GB203420	20x3/4"Fx20	10	100

Product range



FEMALE ADAPTER WITH SWIVEL NUT			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A096GB160012	16×1/2"	10	360
A096GB160034	16×3/4"	10	290
A096GB200012	20×1/2"	10	310
A096GB200034	20×3/4"	10	250
A096GB250034	25×3/4"	10	200
A096GB250001	25×1"	10	130
A096GB320001	32×1"	10	100



RADIATOR CONNECTOR			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A090SB160015	16x15 L250	10	50
A090SB200015	20x15 L250	10	50
A090LB160015	16x15 L750	20	100
A090LB200015	20x15 L750	20	100



TEE EQUAL RADIATOR CONNECTOR			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130LB161516	16x15x16 L250	10	50
A130LB201520	20x15x20 L250	10	50

Tools



BATTERY-POWERED AXIAL PRESS AND EXPANDER 18KN, INCLUDES DOUBLE FORK, ROTATING HEADS, 2 BATTERIES AND BATTERY CHARGER			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T13011000000	16-20-25-32	1	-



EXPANDER HEAD FOR BATTERY-OPERATED EXPANDER, PE-X PIPE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12017160000	16 x 2.2	1	-
T12017200000	20 x 2.8	1	-
T12017250000	25 x 3.5	1	-
T12017320000	32 x 4.4	1	-

Tools



DOUBLE FORK SET FOR BATTERY-POWERED BALER			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12018160020	16 - 20	1	-
T12018250032	25 - 32	1	-



BATTERY			
Reference	Description	Uts./bag	Qty./ box
T31055000000	DC 18V 2.0 Ah	1	-



BATTERY CHARGER			
Reference	Description	Uts./bag	Qty./ box
T31056000000	AC 100V-240V 50-60 Hz	1	-



SET WITH MANUAL PRESSING TOOL, FORKS, HEADS AND SUITCASE			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T13010000000	16-20-25-32	1	-



PRESSING TOOL WITHOUT JAWS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12012000000	16-32	1	-



PAIR JAWS FOR PRESSING TOOL			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12013160000	16	1	-
T12013200000	20	1	-
T12013250000	25	1	-
T12013320000	32	1	-



MANUAL EXPANDER TOOL			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12014000000	16-32	1	-



EXPANDING HEAD FOR EXPANDING MANUAL TOOL FOR PE-X PIPES			
Reference	Diameter (mm)	Uts./bag	Qty./ box
T12016160000	16x2.2	1	-
T12016200000	20x2.8	1	-
T12016250000	25x3.5	1	-
T12016320000	32x4.4	1	-

PULLFIT PNIO™

SLIDING SLEEVE SYSTEM

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