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CATALOGUE 2026

XPULLFITTM PN10
SLIDING SLEEVE SYSTEM

PN10

pipexpert GmbH, Amonshöhe 21, 97437 Hassfurt, Germany
www.pipexpert.de - info@pipexpert.de

www.pipexpert.de



Our **XPullFitt 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, **XPullFitt** is very popular for various applications, including potable water supply, heating, and cooling systems.

Advantages of XPullFitt 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 XPullFitt 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 **XPullFitt PN10** system are designed to use PE-X 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.

According to EN ISO 15875, all heating installations must use only water or suitably treated water as the circulating fluid, ensuring compatibility with the piping system.



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

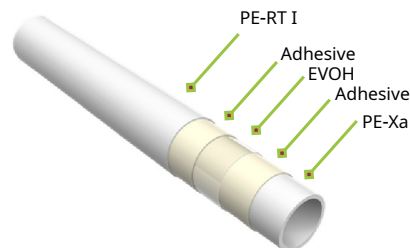
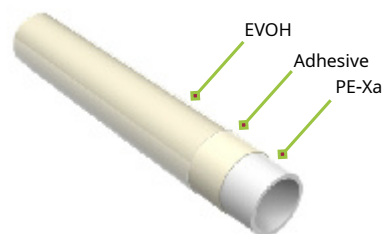
Physical Properties	
Density	> 0.951 g/cm ³
Cross-linking degree	> 70 %
Roughness	0.007 mm
PE-Xa EVOH - O ₂ permeability at 40 °	≤ 0.32 g/m ² d

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 XPullFitt 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 XPullFitt 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 pipes.



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.
- **Safe for potable water:** Suitable for potable water applications, as the material does not affect taste or odour.

Product range



PE-Xa PIPE		
Reference	Diameter (mm)	Coils (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)	Coils (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)	Coils (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 lengths are available under request

Insulated pipe



Insulated PE-Xa with and without EVOH			
Reference	Diameter (mm)	Foam thickness	Coils (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 - PPSU			
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 - PPSU			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0270P160016	16 x 16	10	300
A0270P200020	20 x 20	10	200
A0270P250025	25 x 25	10	130
A0270P320032	32 x 32	5	35



REDUCED COUPLING - PPSU			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0243P200016	20 x 16	10	230
A0243P250020	25 x 20	10	180
A0243P250016	25 x 16	10	150
A0243P320025	32 x 25	5	80



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



EQUAL TEE - PPSU			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A0130P161616	16 x 16 x 16	10	160
A0130P202020	20 x 20 x 20	10	90
A0130P252525	25 x 25 x 25	10	60
A0130P323232	32 x 32 x 32	3	27

Product range



REDUCED TEE - PPSU			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130RP162016	16 x 20 x 16	10	130
A130RP162516	16 x 25 x 16	10	100
A130RP201616	20 x 16 x 16	10	130
A130RP201620	20 x 16 x 20	10	120
A130RP202016	20 x 20 x 16	10	100
A130RP202516	20 x 25 x 16	10	80
A130RP202520	20 x 25 x 20	10	80
A130RP251616	25 x 16 x 16	10	90
A130RP251620	25 x 16 x 20	10	90
A130RP251625	25 x 16 x 25	10	70
A130RP252016	25 x 20 x 16	10	80
A130RP252020	25 x 20 x 20	10	80
A130RP252025	25 x 20 x 25	10	60
A130RP252516	25 x 25 x 16	10	70
A130RP252520	25 x 25 x 20	10	60
A130RP253225	25 x 32 x 25	3	39
A130RP321632	32 x 16 x 32	3	39
A130RP322032	32 x 20 x 32	3	39
A130RP322525	32 x 25 x 25	3	39
A130RP322532	32 x 25 x 32	3	33

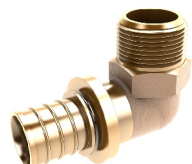


MALE CONNECTOR - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A243GB160012	16 x 1/2"M	10	330
A243GB160034	16 x 3/4"M	10	260
A243GB200012	20 x 1/2"M	10	250
A243GB200034	20 x 3/4"M	10	230
A243GB250012	25 x 1/2"M	10	200
A243GB250034	25 x 3/4"M	10	170
A243GB250001	25 x 1"M	10	120
A243GB320034	32 x 3/4"M	10	110
A243GB320001	32 x 1"M	10	80

Product range



FEMALE CONNECTOR - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A270GB160012	16 x 1/2"F	10	300
A270GB200012	20 x 1/2"F	10	270
A270GB200034	20 x 3/4"F	10	200
A270GB250034	25 x 3/4"F	10	160
A270GB250001	25 x 1"F	10	100
A270GB320001	32 x 1"F	10	90



MALE ELBOW - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A092GB160012	16 x 1/2"M	10	280
A092GB200012	20 x 1/2"M	10	210
A092GB200034	20 x 3/4"M	10	170
A092GB250034	25 x 3/4"M	10	120
A092GB250001	25 x 1"M	10	90
A092GB320001	32 x 1"M	10	60



FEMALE ELBOW - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A090GB160012	16 x 1/2"F	10	270
A090GB160034	16 x 3/4"F	10	200
A090GB200012	20 x 1/2"F	10	210
A090GB200034	20 x 3/4"F	10	170
A090GB250034	25 x 3/4"F	10	120
A090GB250001	25 x 1"F	10	90
A090GB320001	32 x 1"F	10	60

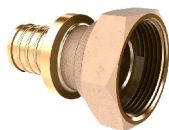


FEMALE ELBOW WITH FIXING BASE - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A473GB160012	16 x 1/2"F	10	140
A473GB200012	20 x 1/2"F	10	120
A473GB200034	20 x 3/4"F	10	100



FEMALE TEE - BRASS			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130GB161216	16 x 1/2"F x 16	10	190
A130GB201220	20 x 1/2"F x 20	10	120
A130GB203420	20 x 3/4"F x 20	10	100

Product range



FEMALE ADAPTER WITH SWIVEL NUT - BRAS			
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	16 x 15 L250	10	50
A090SB200015	20 x 15 L250	10	50
A090LB160015	16 x 15 L750	20	100
A090LB200015	20 x 15 L750	20	100

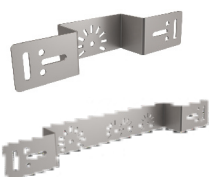


EQUAL TEE RADIATOR CONNECTOR			
Reference	Diameter (mm)	Uts./bag	Qty./ box
A130LB161516	16 x 15 x 16 L250	10	50
A130LB201520	20 x 15 x 20 L250	10	50

Accessoires & Tools



PLASTIC RADIATOR CONNECTION - SET			
Reference	Diameter (mm)	Uts./bag	Qty./ box
U51D23160000	16 - 16	pair	-



MOUNTING PLATE IN U			
Reference	Description	Uts./bag	Qty./ box
A475UA160001	M1 - mono 16-25mm	10	-
A475UA160002	M2 - double 16-25mm	10	-



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	-

Accessoires & Tools



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	-



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 SUITCASI			
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	pair	-
T12013200000	20	pair	-
T12013250000	25	pair	-
T12013320000	32	pair	-



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	16 x 2.2	1	-
T12016200000	20 x 2.8	1	-
T12016250000	25 x 3.5	1	-
T12016320000	32 x 4.4	1	-

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SLIDING SLEEVE SYSTEM



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