

PRODUCT DATA SHEET

AXIAL FITTINGS

SLIDING SLEEVE SYSTEM



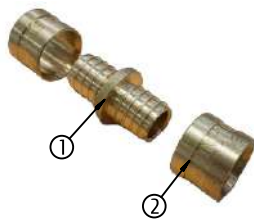
AXIAL FITTINGS

Fittings Estándar Axial fittings have been designed from Ø16mm to Ø32mm and developed to obtain maximum performance resistance and safety in hydraulic or heating installations.

Fittings Estándar Axial fittings are made up of a body of the fitting such as couplings, elbows, tees, crosses, distributors, valves or manifolds and two easily identifiable sleeves, with our brand and dimension engraved on them, to avoid any confusion.

The union of the Sliding sleeve system is carried out by compression of the sliding sleeves, using special tools designed in order to perform a good union of the fittings to the PEX-a pipe. The process consists of inserting the sleeve on the PEX-a pipe, then insert the fitting into the pipe and then slide the sleeves using a sliding machine, leaving the pipe and fitting joined irreversibly.

COMPOSITION AND CHARACTERISTICS



Nº	DESCRIPTION	MATERIAL	QUANTITY
1	BODY OF THE FITTINGS	CW617N	1
2	SLEEVE	CW617N	2

BODY OF THE FITTINGS

Fittings made of the highest quality CW617N brass according to European standards.

Designed with barb that allows a turn of the fitting once installed, maintaining all its characteristics without losing the water tightness.

SLEEVE

Designed with a special bevel which reduces the friction coefficient during the assembly.

It also significantly reduces the chance of stacking of plastic material between the barb and the sleeve during the pressing.

Including the brand and diameter engraving.

CERTIFICATION OF SLIDING SLEEVE SYSTEM

Fittings Estándar Axial fittings have AENOR certification that has verified the quality system applied for its manufacturing. AENOR carries out tests periodically to see the compliance of the system.

Product Certificate 001/7420, in accordance with the following standards:

- UNE-EN ISO 15875-1:2004 (EN ISO 15875-1:2003)
- UNE-EN ISO 15875-1:2004/A1:2007 (EN ISO 15875-1:2003/A1:2007)
- UNE-EN ISO 15875-5:2004 (EN ISO 15875-5:2003)

COMPATIBILITY WITH PEX-a PIPES

Fittings Estándar Axial fittings are compatible with PEX-a and PEX-a EVOH pipes with the following dimensions:

Ø External Diameter (mm)	COMPATIBILITY PEX-a PIPES				
	Thickness (mm)				
	Serie 5	Serie 4	Class / Design Pressure (bar)		
16	-	1.8	1/8 2/8 4/10 5/8		
20	1.9	-	1/6 2/6 4/8 5/6		
25	2.3	-	1/6 2/6 4/8 5/6		
32	2.9	-	1/6 2/6 4/8 5/6		



Ø External Diameter (mm)	COMPATIBILITY PEX-a EVOH PIPES				
	Thickness (mm)				
	Serie 5	Serie 4.5	Serie 4	Serie 3.5	Class / Design Pressure (bar)
16	-	-	1.8	-	1/8 2/8 4/10 5/8
16	-	-	-	2.0	1/10 2/10 4/10 5/8
20	1.9	-	-	-	1/6 2/6 4/8 5/6
20	-	2.0	-	-	1/8 2/6 4/8 5/6
25	2.3	-	-	-	1/6 2/6 4/8 5/6
32	2.9	-	-	-	1/6 2/6 4/8 5/6



The application classes are classified as follows, according to the UNE-EN ISO 15875 standard:
 CLASS 1 -> Hot water supply at 60°C
 CLASS 2 -> Hot water supply at 70°C
 CLASS 4 -> Underfloor heating and low temperature radiators
 CLASS 5 -> High Temperature Radiators

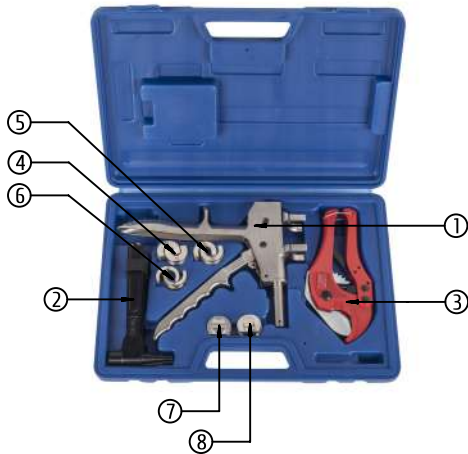
NOTE: 100% compatible with other brands fittings as long as they comply with the barb dimensions established by 15875 Standard and are certified as a system by AENOR.



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MANUAL TOOL SET 08000144

Blue suitcase that includes assembly press tool, cutting tool, pipe expander, special stop clamps and clamps for diameters 12mm, 16mm and 20mm.

Nº	DESCRIPTION	QUANTITY
1	ASSEMBLY PRESS TOOL	1
2	PIPE EXPANDER 12-25 mm	1
3	PIPE CUTTING TOOL	1
4	CLAMPS 12mm	2
5	CLAMPS 16mm	2
6	CLAMPS 20mm	2
7	SPECIAL CLAMP FOR ELBOWS	1
8	SPECIAL CLAMP FOR NUTS	1

MANUAL TOOL SET 08000145

Blue suitcase that includes assembly press tool, special stop clamps and clamps for diameters 16mm, 20mm, 25mm and 32mm.

Nº	DESCRIPTION	QUANTITY
1	ASSEMBLY PRESS TOOL	1
2	CLAMPS 16mm	2
3	CLAMPS 20mm	2
4	CLAMPS 25mm	2
5	SPECIAL CLAMP FOR ELBOWS	1
6	SPECIAL CLAMP FOR NUTS	1

*NOTE: For 32mm fittings, no clamp is needed, it is done directly with the press tool, which is enabled to do so.



PIPE EXPANDER

Pipe expander necessary to expand the interior of the pipe and make the connection to the nipple of the fitting.

∅ Diameter	ITEM	Unit/Box
12-16-20-25	08000146	1
16-20-25-32	08000147	1



INNER SPRING FOR BENDING

Spring for bending, to be inserted internally to the pipe, with a grip ring.

∅ Diameter	ITEM	Unit/Box
16	08000148	1
20	08000149	1
25	08000150	1



CUTTING TOOL

Cutting tool necessary for being able to make a straight cut and as much as possible perpendicular to the pipe to establish a precise union.

∅ Diameter	ITEM	Unit/Box
Up to 42mm	08000151	1



OTHER BRANDS COMPATIBILITY

These tools are 100% compatible with other brands of pipe, as long as they comply with the dimensions established by AENOR and have their certificate number, certifying the dimensions.

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Fittingsestandar

Assembly of PEXa pipe and Axial Fittings system

1



CORTAR EL TUBO

Using appropriate pipe cutter, a cut is made in the pipe, which must be clean and as perpendicular as possible.

2



EXPAND THE PIPE

Slide de sleeve over the PEXa pipe to a distance necessary for expansion, exerting progressive pressure and making rotatory movement inside the pipe.

3



INSERT THE FITTING BARB INTO THE PIPE

Insert the fitting barb into the pipe until its last annular part that stands out .

4



PRESS

Put the pipe and the fitting into the pressing tool. Operate the mobile lever of the tool until the sleeve moves and touches the body of the fitting.