



Technical sheet 7E00.H4

Adapter for copper pipe and steel pipe

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and steel pipe



PRESENTATION

The 7E00.H4 adapter can be used with copper and steel pipes in domestic heating and water systems.

ADVANTAGES




- ✓ Reduced clamping force
- ✓ There is no need for flaring
- ✓ Eurocone seat according to the UNI EN 16313: 2013 standard
- ✓ Single component
- ✓ Reusable once disassembled
- ✓ Restrained olive design to prevent pipe pulling out

USABLE PIPES

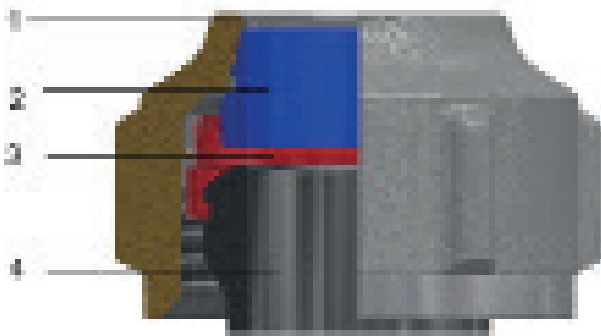
Steel pipe [UNI EN 10305-2:2016 , UNI EN 10312:2007]
R250 half hard copper pipe. [UNI EN 1057:2010].

With wall thickness ≥ 1 mm

FIELDS OF APPLICATION AND PERFORMANCES

APPLICATION		T. min.	T. max	Max press.
	drinking water	-20°C	120°C	10 bar
	domestic hot water			
	cooling			

MATERIALS



1	Nut	Brass CW617N
2	Compression ring	Brass CW617N
3	Compression ring holder washer	Brass CW617N
4	Monocone	EPDM Perox 70

STANDARDS

- **UNI EN ISO 228-1**

Pipe threads where pressure-tight joints are not made on the threads

- **UNI EN 16313:2013**

Compliant with standard DIN EN 16313 "Connections for heating and cooling appliances - Detachable connection with outside threaded pipe G 3/4 A and inside cone"

- **Ministerial Decree 174 (06/04/2004)**

The materials used comply with Ministerial Decree no. 174 of 06/04/2004 [Regulation concerning the materials and objects that can be used in fixed systems for the collection, treatment, adduction and distribution of water intended for human consumption]

- **UNI EN 1057:2010**

Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications.

- **UNI EN 10305-2:2016**

Steel tubes for precision applications - Technical delivery conditions - Part 2: Welded cold drawn tubes

- **UNI EN 10312:2007**

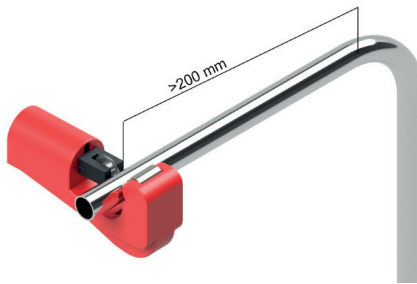
Welded stainless steel tubes for the conveyance of water and other aqueous liquids - Technical delivery conditions

- Compliant with 4MS, UBA List (BC group), DIN 50930/6 Dir. 2011/65/UE, 6C annex III (RhOSII)

CERTIFICATIONS



ASSEMBLY INSTRUCTIONS



Using a special pipe cutter tool [code TT50.00] make a cut perpendicular to the axis of the pipe, taking care to cut it at least 200 mm from the last connection curve to the radiator so that it can be fixed at that distance to avoid traction and mechanical stress due to thermal expansion. Eliminate any residual burrs.

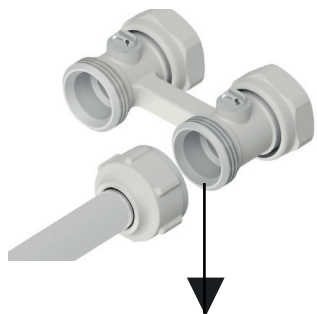


Connect the adapter to the copper or steel pipe, taking care to make the pipe come out of the polymeric monocone seal.



The adapter does not require the tube to be flared as the geometry of the olive prevents it from slipping off.

ASSEMBLY INSTRUCTIONS



Position the pipe and the adapter in the Eurocone seat, paying attention to the correct insertion of the pipe and the gasket inside the seat.

Make sure that the Eurocone seat of the fitting complies with the requirements of the UNI EN 16313: 2013 standard (see figure 1)

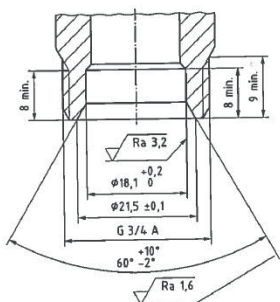


Figure 1

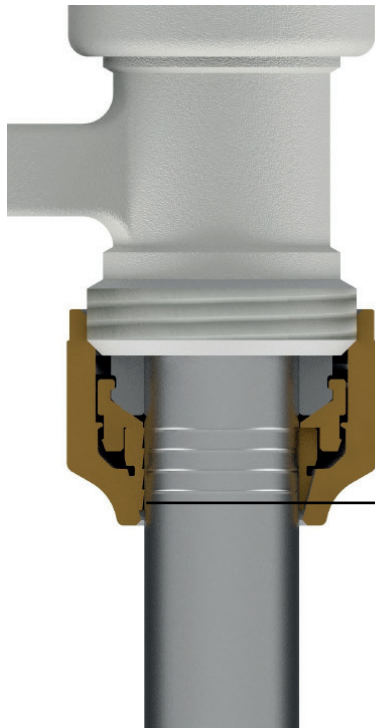
Screw the adapter onto the fitting by hand



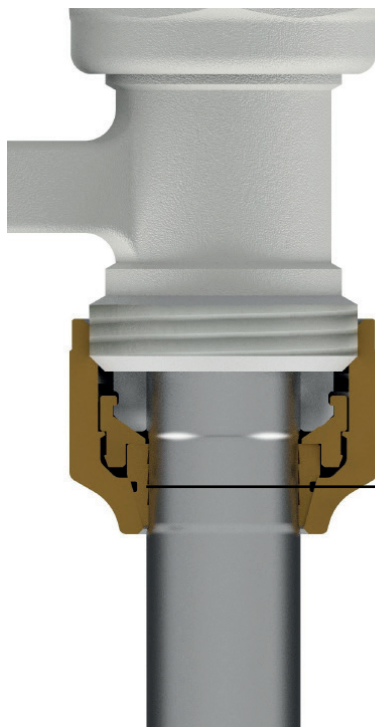
Tighten the adapter using a size 30 hex wrench, taking care to apply a force greater than or equal to 30 Nm (equal to 1 turn).



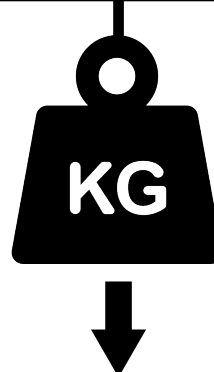
**A tensile test was performed according to standard UNI EN 712: 1993. The resistance to pulling out was guaranteed until a force equal to 1 ton was reached.*

DETAIL OF THE CLAMPING FORCE OF THE NOSE-CONE ON THE PIPE

Tightening the nut with a force of 30 Nm (1 turn) ensures the correct closure of the olive on the steel/copper pipe.



The particular geometry of the olive guarantees a resistance to being pulled out proportional to the force applied in the opposite direction to the pipe insertion. As the traction force increases, the tightening force of the olive increases, with consequent deformation of the pipe





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