

1100 / 1100N / 1100FD COMPRESSION FITTINGS FOR COPPER PIPE WITH BRASS OGIVE – ISO 228 THREADS

ΕN



DESCRIPTION

Tiemme compression fittings for copper pipes with brass ogive adapt to any type of heating/cooling and sanitation system, with application in residential, commercial, industrial and agricultural sectors and, in general, with any kind of non-corrosive fluid.

They are characterized by their sealing mechanism which is created by tightening the nut on the fitting body.

When the nut is tightened, the internal ogive is compressed between the nut and the main body of the fitting, thus ensuring the sealing of the system pressure.

The 1100 / 1100N series fittings are suitable for connecting copper pipes, or annealed copper pipe and PE-X pipe when used with the specific tube reinforcement bushes.

ADVANTAGES / STRENGTHS

- Brass ogive.
- Wide piping compatibility:
 - copper pipe
 - annealed copper pipe (using tube reinforcement bush art. 1116)
 - PE-X pipe (using tube reinforcement bush art. 1120).
 - Corrugated stainless steel pipe (using 1100FD series flat seat male thread fittings in conjunction with kit art. 8930SET)
- Wide range available for every installation need.

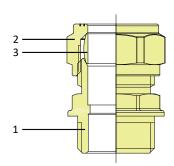
Compression fittings for copper pipe with brass ogive pipe are available in a wide range of sizes (from Ø 8 to Ø 54 mm), different shapes (straight, curved, T- shaped etc.), with different types of fittings (female threaded fittings, male threaded fittings, intermediate compression fittings etc ...), to meet all kinds of system requirement.

See the HYDRAULIC COMPONENTS catalog for the full range.

MANUFACTURING SPECIFICATIONS

- (1) Fitting body:
- (2) Nut:
- (3) Ogive:
- Threads:

Brass CW617N (1100 - 1100FD series) Yellow/Nickel-plated CW617N brass (1100N series) Brass CW617N (1100 – 1100FD series) Yellow/Nickel-plated CW617N brass (1100N series) Brass CW508L F ISO 228 M ISO 228



TECHNICAL SPECIFICATIONS

- Maximum working temperature:
- Min working temperature:
- Fluid compatibility:
- 20 °C (provided the fluid remains in the liquid phase)*
- Maximum working pressure: 30 bar *
 - - Drinking water, water and glycol solutions (maximum percentage of glycol 30%) non-corrosive fluids**
- See the "COMPATIBILITY GUIDE" to check the performance limits and the application field according to the type of pipe used.

+ 200 °C *

check compatibility with fluids or other substances not listed, contact Tiemme technical office.



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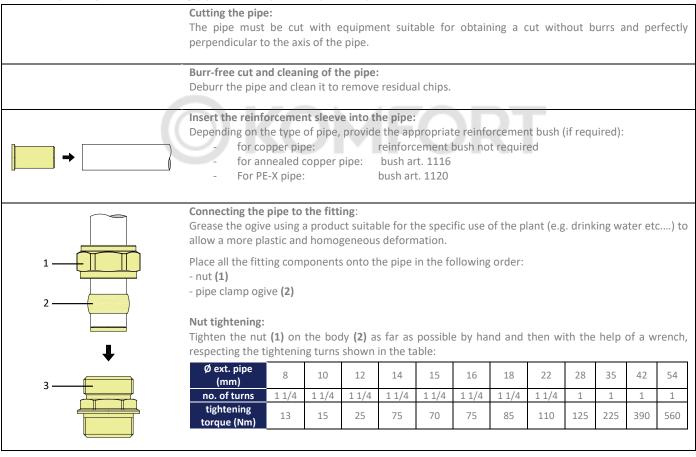
COMPATIBILITY GUIDE

Series	Matching tube	Reinforcement bush	Field of application	Technical specifications
1100 / 1100N	Copper	-	Water	Max. Temperature: 200°C
			 Solar systems 	Max. Pressure: 30 bar / 10 bar (with steam)
	Annealed copper	Art. 1116	• Water	Max. Temperature: 200°C
			 Solar systems 	Max. Pressure: 30 bar / 10 bar (with steam)
	PE-X	Art. 1120	• Water	Max. Temperature: 95°C
			• vvalei	Max. Pressure: 10 bar

Series	Matching tube	Accessories	Scope	Technical specifications
1100FD	Corrugated	Connection set	e Color systems	Max. Temperature: 200°C
	stainless steel pipe	Art. 8930SET	Solar systems	Max. Pressure: 10 bar

INSTRUCTIONS FOR CORRECT ASSEMBLY

To obtain a perfect join between fitting/pipe, some simple but important operations must be carried out:



IMPORTANT: Carrying out the following operations incorrectly may compromise the tightness of the joint. TIEMME RACCORERIE S.p.A. declines all responsibility in case of failures and/or accidents resulting from the non-compliance with these indications and from

improper use of the system. The information shown does not exempt the user from scrupulously following current regulations and good technical standards.

NEVER:

- Use incompatible or harmful substances.
- Use these fittings for chased installation.

SOME POSSIBLE CAUSES OF LEAKS:

- Incorrect tightening of the nut onto the fitting (comply with the indications provided by Tiemme on the number of tightening turns).
- Excessive force used when tightening the nut.
- Connection with incompatible products.
- Incompatible fluids.
- Excessive use of sealants (e.g. hemp, PTFE tape etc...) on male/female threads could generate tension in the fittings.
- Freezing of the system or excessive internal pressure
- Storage of materials in unsuitable environments.
- Unpredictable external causes, such as accidental impacts or inappropriate movements.



MAIN ACCESSORIES OF THE SYSTEM

			888855
Art. 1116 Reinforcement bush for annealed copper pipe.	Art. 1120 Reinforcement bush for PE-X pipe	Art. 1147 / 1147CZ Reducing bush.	Art. 8930SET Corrugated stainless steel pipe connection set.
			To be used in conjunction with 1100FD series flat male thread fittings.

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See the product catalog for order numbers / further details.

ITEM SPECIFICATION

1100 Series - 1100FD Series

Compression fitting for copper pipe with brass ogive, made from: Brass body CW617N, brass nut CW617N, brass ogive CW508L, ISO 228 threads.

Maximum working temperature: + 200 °C. Min working temperature: - 20 °C (provided that the fluid remains in liquid phase). Maximum working pressure: 30 bar (10 bar with steam).

Piping compatibility: Copper tube, annealed copper tube (using tube reinforcement bush art. 1116), PE-X pipe (by using the reinforcing bush for pipe art. 1120).

Fluid compatibility: drinking water, water and glycol solutions (maximum percentage of glycol 30%), non-corrosive fluids.

Product range: from \emptyset 8 to \emptyset 54 mm, different configurations (straight, curved, T-shaped etc...) and with different types of fittings (female threaded fittings, male threaded fittings, intermediate compression fittings).

1100N Series

Compression fitting for copper pipe with brass ogive, made from: Yellow/nickel plated CW617N brass body, yellow/nickel plated CW617N brass nut, CW508L brass ogive, ISO 228 threads.

Maximum working temperature: + 200 °C. Min working temperature: - 20 °C (provided that the fluid remains in liquid phase). Maximum working pressure: 30 bar (10 bar with steam).

Piping compatibility: Copper tube, annealed copper tube (using tube reinforcement bush art. 1116), PE-X pipe (by using the reinforcing bush for pipe art. 1120).

Fluid compatibility: drinking water, water and glycol solutions (maximum percentage of glycol 30%), non-corrosive fluids.

Product range: from \emptyset 8 to \emptyset 54 mm, different configurations (straight, curved, T-shaped etc...) and with different types of fittings (female threaded fittings, male threaded fittings, intermediate compression fittings).

CERTIFICATIONS





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ADDITIONAL PRODUCT RELATED INFORMATION

For more information related to this product, refer to the technical documentation mentioned below:

Type of document	Document code	Useful information available
Technical data sheet	1147	- Instructions for the use of accessory reduc bush art. 1147 and 1147CZ.
Technical data sheet	8930SET	- Instructions for corrugated stainless steel pipe connection on 1100FD
		series flat seat male thread fittings (for solar installation application).



Gnutti Group