

## TECHNICAL CHARACTERISTICS

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### Description

BRASS FITTINGS

### Raw material

- Hot forged pieces:

Brass UNE-EN 12165 CW617N

**Cu** 57-59 **Al** <0,05 **Fe**<0,3 **Ni**<0,1\* **Pb** 1,6-2,2\* **Sn**<0,3 **Zn** the rest

\*corrected values following limits stated in DIN 50930/6

- Casted pieces in metallic moulds:

Brass UNE-EN 1982 CB753S

**Cu** 58-60 **Al** 0,4-0,8 **Fe** 0,5-0,8 **Ni** 0,5-1,2 **Pb** 1,8-2,5 **Sn**<0,8 **Mn**<0,5 **Zn** the rest

### Manufacturing

The design and manufacturing of the fittings is based on the following rules:

- **UNE-EN 1254-4:** Copper and copper alloys. Plumbing fittings. Part 4: fittings combining other end connections with capillary or compression ends.  
=> *Specifies the dimensions of the threaded endings of the accessories.*
- **UNE-EN ISO 228-1:** Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation  
=> *Cylindrical gas thread. Specifies shape, dimensions and tolerances of the thread.*
- **ISO 9001:** Quality management systems - Requirements  
=> *Sets out the requirements of a quality management system; strict manufacturing controls are done throughout the process following the criteria of this rule.*

### In service conditions

Maximum temperature and pressure values for normal working conditions are summarized in the following table:

Maximum pressures	Temperatures		
Dimensions (inches)	30° C	65° C	110° C
Up to 1"	25 bar	25 bar	16 bar
from 1¼" up to 2"	25 bar	16 bar	10 bar
from 2½" up to 4"	16bar	16 bar	10 bar

More severe conditions may be acceptable depending on the particular item, the characteristics of the union, the sealing means and the tube considered.

Casted pieces production is 100% pressure-tight tested to assure no risk for porosity leakage.

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