



Bänninger | Conex

Copper, Brass
& Pressed Fittings

www.tzanos.gr



Bänninger | Conex

IBP (International Building Products) – Bänninger | Conex, specializes in designing and producing innovative, certified fittings, using special moulds, thus providing a wide range of copper and brass parts, as well as compressed and mechanical clamping products, suitable for water supply, drinking water, gas, heating and air conditioning systems. An excellent choice for industrial and urban facilities.

Certificates



*Available in a full range
of shapes and dimensions,
from Ø6mm to Ø159mm*

Applications



Water Supply



Drinking Water



Heating



Gas



Cooling



Medical Gas

Copper Fittings

The **Bänninger** fittings production process is fully vertical, using **99.99% primary copper (ingot casting manufacture)**, and compatible with DIN EN 1254-1, DIN EN 1254- 5, DVGW GW6, DVGW GW8. This method makes **Bänninger** copper fittings to stand out thanks to durability and quality. Also, they are **the only ones certified for medical gas systems, as they are arsenic-free**.

IBP-Bänninger copper fittings are suitable for water, heating, and gas networks as well as for medical gas systems. The product range features copper fittings suitable for refrigeration systems as per the ASME/ANSI B16.22. standards.

STANDARDS

- **Quality management system harmonized with the ISO 9001:2015 standard**
- **Environmental management system certified by ISO 14001:2015**
- Temperature and pressure certified as per the EN 1254-1 standard
- Suitable for installation in copper pipes in full compliance with EN 1057 and ISO 274
- Strict setting of tolerances according to the European standards EN 1254-1, EN 1254-4, EN 1254-7 and DVGW GW8 for safe capillary bonds

Benefits

- **Absolute size precision**
- High temperature tolerance
- Unlimited lifespan
- Absolute safety in high temperatures
- Corrosion resistance
- Full and complete range of fittings

IBP - Bänninger copper and brass fittings are manufactured by fixed formation primary materials, thus being **absolute safe for drinking water systems according to DIN 50930-6**.

IBP – Bänninger Technology Leadership

- ✓ Tolerances strictly defined by NF E 29591, ISO 2016 and DVGW GW8
- ✓ Inner flange detachment applied by IBP
- ✓ Quality mark >B<



Solder Threaded Brass Fittings

Κολλητά - με σπείρωμα

Another excellent product by Bänninger is the IBP (International Building Products) brass fitting.

This line includes a wide range of fittings in numerous sizes from Ø8 (1/4") to Ø64 (2 1/2"), standard alloy components, and special turning treatment of the threads according to DIN 2950, EN 10242 and DVGW GW6.



Benefits

- Unlimited lifespan
- Curved thread for safe connection
- High resistance in corrosion
- Overheating welding resistance
- Flawless finish inside and out
- Guaranteed and certified – No limitations



THE ONLY ONES CERTIFIED FOR GAS!

*Available in a full range
of fittings and sizes
from Ø8 (1/4" to Ø64 (2 1/2"))*

Εφαρμογές



Plumbing



Drinking
Water



Sea Water



Irrigation



Heating



Gas



Air
Conditioning



Cooling



Industrial
Gas

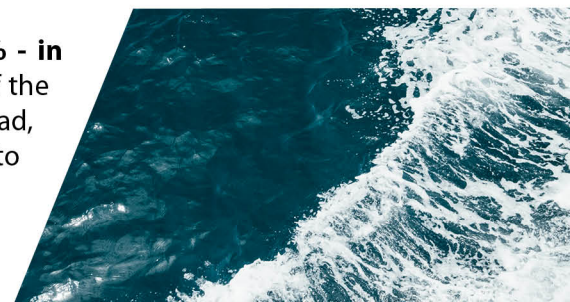


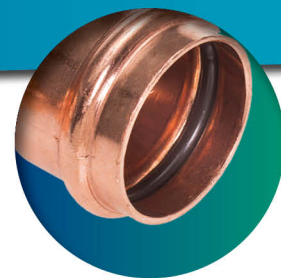
Liquid
Fuels

The Bänninger brass fittings are made in Germany. They are **high – 85% - in copper** and thus perfect for copper-based systems as the homogeneity of the installation prevents the risk of electrolysis. The composition includes 5% lead, 5% zinc and 5% tin, while cylindrical threads provide full sealing according to the ISO 7-1 και BS EN 10226-1 (DIN 2999) standards.

Also, due to the 85% Cu content, the **Bänninger** brass fittings are **suitable for gas systems** as they prevent thread deformation in high temperatures that grow during brazing (650 - 800°C).

IBP - Bänninger copper and brass fittings are manufactured by fixed formation primary materials, thus being **absolute safe for drinking water systems according to DIN 50930-6**.





>B< Press

Pressed Copper & Brass Fittings for Water and Heating systems

The **B-Press series** complements ideally the smart fittings range, sealing the superiority of **IBP-Bänninger** in the field of solder copper-brass accessories.

They can provide solutions for any application and have the corresponding certificates for the intended use.

*Pressed Copper
B-Press*



3 Point Press

The O-ring has two notches. In case the fitting has not been pressed properly, even at a low water pressure, a technician can identify a leak. The installation shall be pressed and sealed immediately.



Benefits

- **Specially designed rubber for fast leak check in case no pressing has been performed**
- Three-point pressing
- High quality O-ring material that forms a secure leak-free joint when pressed
- Safe and quick installation
- Suitable for use with hard, half-hard and soft copper tubes
- Designed to resist at pressures of up to 16 bar
- **Temperature range between -35°C and +110°C**
- **Testing pressures of up to 64 bar**
- Manufactured and designed to BS 8537. Certified by WRAS, KIWA and DVGW

Applications



Plumbing



Heating



Cooling

A full range with corresponding fittings for every application, in a complete range of shapes and sizes, from Ø12mm to Ø54mm

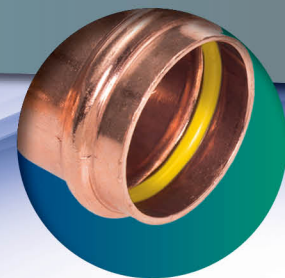


>B< Press Gas

Pressed Copper & Brass Gas Fittings



For copper tube connections. Suitable for gas and liquid gas systems.



O-RING από HNBR κατάλληλο για φυσικό αέριο ή υγραέριο.
-40°C ~ +150°C / max 5 bar

Benefits

- Yellow O-ring from H-NBR rubber, resistant in +650°C for 30 minutes
- They are identified even after pressing by an **exterior yellow mark**
- Safe and quick installation
- Suitable for use with every type of copper tube (hard, half-hard and soft)
- Designed to resist at pressures of up to 5 bar
- Temperature range between -20°C and +70°C
- Manufactured and designed to BS 8537_2010. Certified by WRAS, KIWA and DVGW
- Tested by DVGW G5614

Available in a complete range of shapes and forms, from Ø15mm to Ø54mm



**Pressed Copper
B-Press Gas**

**Pressed Brass
B-Press Gas**

Applications



Plumbing



Drinking
Water



Heating



Cooling



Natural Gas



Conex | Bänninger

Compression Fittings

The full range of the **Conex | Bänninger** compression fittings ensure very fast and safe tube connection for any pipe category.

Connecting becomes a quick and simple procedure, offering work-saving time and safe system operation.



Suitable for connecting:

- Copper pipes
- Steel pipes
- Stainless steel pipes
- Plastic pipes

Available in a complete range of forms and sizes, from Ø6mm to Ø54mm

Benefits

- Dezincification resistant (DZR)
- Manufactured in accordance with EN 1252-2, while the threading is produced according to EN1254-4
- **Suitable for flame-free installations**
- **PTFE tape is not required**
- Used in plumbing, heating, cooling, and gas applications
- Available in a series of more than 60 tube forms and sizes, from 6mm to 54mm
- They are in compliance with EN 1057

Applications



Plumbing



Drinking Water



Heating



Cooling

>B< Oyster

>B< **Oyster** is an innovative fitting used in connecting and sealing pipe systems, providing the possibility to connect various types of accessories, such as ball valves.



INNOVATION

Benefits

- **Suitable for Drinking Water, Heating – Cooling – Air Conditioning**
- Flame-Free installation. PTFE tape is not required for installation
- The only tools required are the special >B< **Oyster** pliers and a standard adjustable spanner



Available from Ø15mm to Ø28mm

Seal is achieved via two EPDM O-Rings

- ✓ Fittings are certified to EN 1057 and compatible with copper (soft, half-hard, hard) and stainless tube.
- ✓ WRAS approved, and manufactured in accordance with accredited EN ISO 9002 Quality Management Procedures.

Bänninger

>B< ACR



A.C.R Fittings for Cooling Systems

Benefits

- Working pressure of up to 45 bar
- Manufactured to ANSI B16.22
- Manufactured of a 99,99% content of primary copper to DIN EN 1254-1, DIN EN 1254-5, DVGW GW6, DVGW GW8
- Special green mark on the outside for immediate recognition

Applications



Drinking
Water



Heating



Air
Conditioning



Cooling

Bänninger

K65®



A.C.R Fittings for K65 Cooling Systems

Benefits

- Suitable for high pressure tube systems, using Corban Dioxide (CO₂) as a refrigerant
- Working pressure of up to 120 bar
- Manufactured of a 99,99% content of primary copper to DIN EN 1254-1, DIN EN 1254-5, DVGW GW6, DVGW GW8
- Special green mark on the outside for immediate product recognition

Applications



Drinking
Water



Heating



Air
Conditioning



Cooling



**Suitable for
Carbon Dioxide (CO₂) use**

Full Fittings Range

- Full Quality Assurance in the production of fittings, which are made of **CW 617N** alloy according to the EN 12165, EN 1265/5 standards. The thread is manufactured to ISO 7
- Certified **58-60% COPPER** content



Extra Heavy-Duty Solder Brass Fittings



Compression Fittings



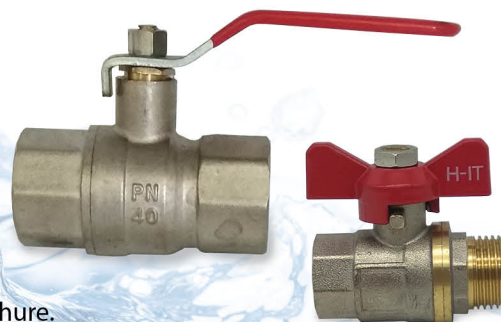
Pressed Copper Fittings



Pipe Clamps



Ball Valves



For more information please check our **H-IT Fittings, Ball Valves & Clamps** Brochure.

The company

K. TZANOS SA was established in 1982 and it is a well-established trading company specialised in the field of plumbing, heating, natural gas, and green energy, maintaining long-term partnerships with well-known European and International houses. K. TZANOS SA is operating under the umbrella of TZANOS Group of companies, while owns since 1997 ISOPIPE SA, a factory specialising in the production of insulation material ISOPIPE and TORRENT cast iron condensing boilers. In 2008, TZANOS SA created the H-IT brand aiming at manufacturing high quality-products at affordable prices, for water supply and heating systems.

All products represented by TZANOS Group of Companies are CE certified.