

bonfix[®]

the fitting factory



















BRASS CAPILLARY FITTINGS



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PRODUCT CATALOGUE
Brass Capillary Fittings

 <p>Socket 2 x capillary</p>	 <p>Reduced socket 2 x capillary</p>	 <p>Push-in socket fitting (external) x cap.</p>	 <p>Cap 1 x capillary</p>	 <p>Soldering sleeve fitting (external) x cap.</p>
 <p>Push-in fitting ring fitting (external) x female</p>	 <p>Threaded bush female x capillary</p>	 <p>Threaded bush female x capillary long internal female</p>	 <p>Straight connector male x capillary</p>	 <p>Straight connector male x capillary conical male</p>
 <p>Elbow 2 x capillary</p>	 <p>Elbow reduced 2 x capillary</p>	 <p>Elbow female x capillary</p>	 <p>Elbow female x capillary long internal female</p>	 <p>Elbow male x capillary</p>
 <p>Elbow male x capillary conical male</p>	 <p>Tee 3 x capillary</p>	 <p>Tee, reduced 3 x capillary</p>	 <p>Tee cap. x female x cap.</p>	 <p>Tee Female x cap. x cap.</p>

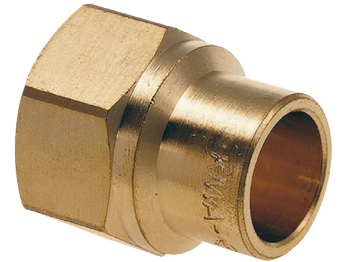
 <p>Cross 4 x capillary</p>	 <p>Wall flange low female x capillary</p>	 <p>Wall flange low female x capillary brass nickel-plated</p>	 <p>Wall flange high female x capillary</p>	 <p>Wall flange high female x capillary brass nickel-plated</p>
 <p>Double wall flange, low cap. x female x cap.</p>	 <p>Double wall flange, low cap. x female x cap. brass nickel-plated</p>	 <p>Double wall flange, high cap. x female x cap.</p>	 <p>Wall plate, low with raised connection female x capillary</p>	 <p>Wall plate, low with raised connection female x capillary brass nickel-plated</p>
 <p>Repair wall flange with stud male x cap. x female</p>	 <p>2-piece coupling flush sealing for water fitting, female x capillary</p>	 <p>2-piece coupling flush sealing for water fitting con. male x cap nut</p>	 <p>3-piece coupling flush sealing for gas fitting con. male x capillary</p>	 <p>3-piece coupling flush sealing for gas fitting female x capillary</p>
 <p>3-piece coupling flush sealing for gas fitting capillary x capillary</p>	 <p>3-piece elbow coupling flush sealing for gas fitting female x capillary</p>	 <p>3-piece elbow coupling flush sealing for gas fitting con. male x capillary</p>		

INTRODUCTION

BONFIX B.V. supplies a large range of brass capillary fittings for water, gas and central heating installations under the BONFIX brand name.

TECHNICAL INFORMATION

The technical specifications are based on the current industry and regulatory status. BONFIX B.V. reserves the right to modify technical specifications without prior notice. No rights can be derived from the technical information provided in this brochure.



GENERAL

BONFIX capillary fittings and couplings are designed for gas-tight and watertight connections between one or more copper pipes. BONFIX capillary fittings are manufactured from premium quality brass with very high dimensional accuracy.

PRODUCT USAGE

BONFIX capillary fittings are designed for making connections in gas installations, water supply systems, and central heating installations. Depending on pressure, temperature and medium, other forms of usage may be permitted but require prior written endorsement by BONFIX

TECHNICAL SPECIFICATIONS

BONFIX capillary fittings are manufactured from premium quality brass. The straight couplings are made of CW614N (CuZn39Pb3), the press sections (incl. elbows and tees) are made of CW617N (CuZn40Pb2). The capillary fittings are especially designed for connecting copper pipe in accordance with EN 1057 with wall thickness as per **kiwa** ≡ BRL-K760/3. At the capillary side, the fittings are provided with a capillary in conformity with EN 1254-1. The couplings with a cylindrical thread are threaded in conformity with ISO 228 (G). The couplings with a tapered (conical) interior thread (Rp) and a tapered (conical) exterior thread (R) are threaded in conformity with ISO 7/2-2000. Admissible operating pressures for soft-soldered couplings as per EN 1254-1.

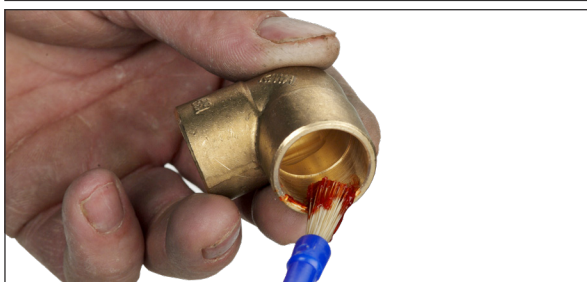
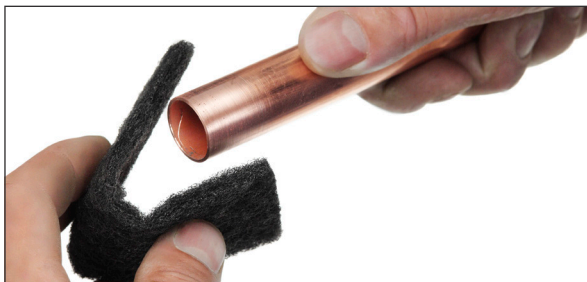
Pipe ø	Solder type	Tolerated working pressure in mPa (bar) at a temperature of		
		30 °C	65 °C	110 °C
t/m 28	Based tin/lead 50/50%	1,6 (16)	1,0 (10)	0,6 (6)
	Basis tin/silver 95/5%	2,5 (25)	2,5 (25)	1,6 (16)
35 t/m 54	Basis tin/lead 50/50%	1,6 (16)	1,0 (10)	0,6 (6)
	Basis tin/silver 95/5%	2,5 (25)	1,6 (16)	1,0 (10)

QUALITY MARK

The popular sizes bear the **kiwa** ≡ and/or GASTEC QA quality mark. The quality mark is shown as a K or G in the reference tables included in the BONFIX product catalogue.

INSTALLATION INSTRUCTIONS

Cut the pipe to the correct length at a square angle. For a proper and reliable soldered joint it is important to thoroughly clean both parts to be connected before joining them. The surface must be entirely free of dust and any invisible metal particles which may result in a poor connection. Grease, chips and dirt can be removed by rubbing the surface with a traditional tool such as steel wool, sandpaper, or a special tool.



While being heated a layer of oxide will form on the copper surface, impairing the soldering. A third substance is needed to remove oxide formation.

Apply an thin layer of liquid or paste thinly and evenly on both ends to be soldered.


Slide the parts to be joined with solder into one another.

Heat all the parts until the solder begins to flow when brought in contact with the parts to be joined. Apply solder gently to heated parts and allow to flow into the joint. As soon as the solder sinks into the joint between pipe and fitting the parts are sufficiently hot and a proper joint is achieved.



After finishing, clean the soldered connection.



 Use appropriate tools for installation and prevent damage.

IMPORTANT

Only soft-soldering permitted. Hard-soldering is not permitted under VEWIN industry standards because a zinc plating disintegrates at very high temperatures (>400 °C) and this is not covered under warranty.

WARRANTY AND LIABILITY

*Warranty and liability apply as per our general term and conditions.
Damage caused by stress corrosion is not covered under product warranty.*

**DO YOU HAVE A SUGGESTION
FOR OUR RANGE?**

**LET US KNOW AT:
KLANTENSERVICE@BONFIX.NL**

