



TECHNICAL DATA SHEET

**SERIE 3000**

BRONZE THREADED FITTINGS

# SERIE 3000

Bronze threaded fittings



## DESCRIPTION

The bronze threaded fittings belonging to **SERIE 3000** are designed and manufactured considering the strictest thermohydraulic application requirements and provide a simple but high-quality engineering solution for connecting EN 10255 steel pipes.

## MATERIALS

Both the items manufactured from casting and bar are processed on transfer or multi-spindle machines. For raw material composition see table A.

TABLE A

TYPE	Name of alloy	Chemical composition [%]
Forged piece	EN 1982-CC499K-CuSn5Zn5Pb2-C GS	Cu[84-88] Pb[0-3.0] Sn[4.0-6.0] Zn[4.0-6.0] P<0.04 Ni<0.6
Bar	EN 1982-CC499K-CuSn5Zn5Pb2-C GC	Cu[84-87.5] Pb[0-3.0] Sn[4.2-6.0] Zn[4.5-6.5] P<0.03 Ni<0.6

For uses other than those mentioned thus far, please request the maximum operating conditions from the FRABO technical support office.









## THREADS

Threaded ends are made in compliance with EN10226-1 (UNI EN ISO 7-1) standard.

## APPLICATIONS

The **FRABO SERIE 3000** system can be used for the following applications and temperatures, as indicated in table A

TABLE B

APPLICATIONS		Pmax (bar)	Tmax °C
   	Sanitary Water	16 ( $\varnothing \leq 2''$ )	-20°/+110°C
	Drinking water		
	Heating	10 ( $\varnothing > 2'' \leq 4''$ )	-20°/+110°C
	Cooling		
	Compressed air	16 ( $\varnothing \leq 2''$ )	30°C
		10 ( $\varnothing > 2'' \leq 4''$ )	30°C
	Sprinkler	30	30°C
	Fire prevention	30	30°C
	Gas installations compliant with EN 1775	5	70°C

## SUITABLE PIPES

The fittings in the **3000 Series** can be used with threadable unalloyed steel pipes according to standard ISO7 in compliance with **EN10255**.

Light series			
DN	$\varnothing$ ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.0	3/8''
15	21.3	2.3	1/2''
20	26.9	2.3	3/4''
25	33.7	2.9	1''
32	42.4	2.9	1''1/4
40	48.3	2.9	1''1/2
50	60.3	3.2	2''
65	76.1	3.2	2''1/2
80	88.9	3.6	3''

Medium series			
DN	$\varnothing$ ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.3	3/8''
15	21.3	2.6	1/2''
20	26.9	2.6	3/4''
25	33.7	3.2	1''
32	42.4	3.2	1''1/4
40	48.3	3.2	1''1/2
50	60.3	3.6	2''
65	76.1	3.6	2''1/2
80	88.9	4.0	3''

Heavy series			
DN	$\varnothing$ ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.9	3/8''
15	21.3	3.2	1/2''
20	26.9	3.2	3/4''
25	33.7	4.0	1''
32	42.4	4.0	1''1/4
40	48.3	4.0	1''1/2
50	60.3	4.5	2''
65	76.1	4.5	2''1/2
80	88.9	5.0	3''

## CORROSION

The fittings belonging to the **SERIE 3000** series feature a chemical composition suitable for drinking water applications (ref. DIN 50930) and are not subject to tenso-corrosion or dezincification phenomena, thus granting a high degree of quality, safety and duration to the pipework.

**The designer and/or installer is responsible for choosing and applying the corrosion resistant protection and for evaluating the most effective protection methods in relation to the environment where the piping will be located.**



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