



TECHNICAL DATA SHEET

SERIE 5000T

THREADED BRASS FITTINGS

SERIE 5000T

Threaded brass fittings



DESCRIPTION

The **5000T SERIES** threaded brass fittings were designed and made for the conveyance of fluids under pressure along with unalloyed steel pipes in compliance with EN10255.

MATERIALS

All the fittings are made by machine transfer processes (hot forged fittings) and multi-spindle machines (bar fittings).

The raw material is made up of forged pieces and bars in brass as listed in Table A.

TABLE A

TYPE	Name of alloy	Chemical composition [%]
Forged piece	UNI EN 12165-CW617N-CuZn40Pb2	Cu[57-59] Pb[1.6-2.2] Sn<0.3 Fe<0.3 Ni<0.3 Al<0.05 Zn Diff.
Bar	UNI EN 12164-CW614N-CuZn39Pb3	Cu[57-59] Pb[2.3-3.5] Sn<0.3 Fe<0.1 Ni<0.3 Al<0.05 Zn Diff.

THREADS










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

APPLICATIONS

The **5000T SERIES** fittings can be used in a wide range of applications both in domestic and industrial systems.

Table B lists some of the main uses for the product:

TABLE B

APPLICATIONS		Pmax (bar)	Tmax °C
   	Sanitary Water	16 ($\sigma \leq 2''$)	-20°/+110°C
	Drinking water		
	Heating	10 ($\sigma > 2'' \leq 4''$)	-20°/+110°C
	Cooling		
	Compressed air	16 ($\sigma \leq 2''$)	30°C
		10 ($\sigma > 2'' \leq 4''$)	30°C
	Sprinkler	30	30°C
	Fire prevention	30	30°C
	Gas installations compliant with EN 1775	5	70°C
	Solar	10	0°/+160°C

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

SUITABLE PIPES

The fittings in the **50000T SERIES** can be used with threadable unalloyed steel pipes according to standard ISO7 in compliance with EN10255.

Light series			
DN	ø 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	ø 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	ø 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	3.6	2"1/2
80	88.9	4.0	3"

CORROSION

The **FRABO 50000T SERIES** fittings are made using high quality brass, however in certain environmental conditions, they may be subject to corrosion, which can compromise the duration of the installation.

In order to prevent corrosion, it is recommended to take special care in the following conditions:

- Underground and buried installations: Protect the body of the fitting with bandaging/tape so as to prevent contact of the metal walls with soil percolation.
- Domestic installations: Prevent contact with ammonia-based agents (also in solution) or with other corrosive chemical agents.
- Insulation: Avoid insulation sheaths containing or that release ammonia or ammonia-based components.

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



FRA.BO s.p.A.

HEADQUARTER Via Cadorna, 30 - 25027 Quinzano d'Oglio (BS) - Italy
MANUFACTURING UNIT Via Circonvallazione, 7- 26020 Bordolano (CR) - Italy

T +39 030 99 25 711 F +39 030 99 24 127 @ info@frabo.com W www.frabo.com