

TUBES FOR HEAT EXCHANGERS AND CONDENSERTUBES

Grades, standards, dimensional ranges

Standard	Material symbol	Designation acc. to norm	Temper	Outside diameter	Wall thickness
PN-EN 12451	CuZn20Al2As CuZn28Sn1As	CW702R CW706R	R340 R390 R320 R360	8,00-22,00	0,75-0,99
DIN 17660/1785	CuZn20Al2 CuZn28Sn1	2.0460 2.0470	F34 F39 F32 F36	8,00-35,00 11,00-45,00	1,00-1,49 1,50-2,00
ASTM B111 ASME SB111	CuZn20Al2 CuZn28Sn1	C68700 C44300	061	15,00-45,00	2,01-2,50
GOST 15527-2004	CuZn20Al2 CuZn28Sn1	ŁAMsz 77-2-0,05 ŁOMsz 70-1-0,05	soft, half-hard soft, soft, half-hard	25,00-45,00	2,51-3,00
BS 2871-P3-72	CuZn20Al2 CuZn28Sn1	Cz 110 Cz 111	O,TA		
NF A 51-102	CuZn20Al2 CuZn28Sn1	CuZn20Al2 CuZn28Sn1	annealed		
JIS H3300-86	CuZn20Al2 CuZn28Sn1	C 6870 C 4430	0		

Form:

Straight lengths acc. to customers requirements in following ranges:

- outsider diameter 8,0 15,0mm 2000mm to 8000mm
- for other dimensions 2000mm to 14000mm
- lenghts > 14000 mm upon agrement
- diameter 6,0mm < 8,0mm and wall 0,6 < 0,8mm upon agreement

Annealed-soft temper, annealing in oxidation atmosphere, external and internal surface slightly oxidized, Leakage tests conducted by Eddy Current test.

Certificates, authorizations and guarantees:

The certificate entitles the production of pressure tubes for heat exchangers according to German law, the AD-2000, CERT Markblatt W0/TRD Germany / A certificate of recognition issued by PRS Poland / Authorization for manufacture pressure tubes to heat exchangers conferred by the UDT Poland / Certificate of conformity of the pressure tubes production for heat exchangers based on Directive No EU 97/23/EC / Certificate certifying the quality management system in accordance with the principles of the EN ISO 9001:2001 awarded by LRQA. The pipes are manufactured in accordance with the guidelines and principles laid down by the VGB Technical Association of high-power Power Plant Users EVw Germany.

The guarantee for corrosion resistance of tubes: 2.5 years for CuZn28Sn1 alloy according to the agreed guarantee sheet for condenser piping in power industry, 3 years for CuZn20Al2 alloy according to the agreed guarantee sheet for condenser piping in power industry.

Packing:

Wooden cases.

Application:

Condenser piping in power industry, heat exchangers and installations in power plants, heat exchangers and coolers used and coolers used In shipbuilding industry, working in sea water environment (CuZn20Al2).

