



Bronze CuSn8

AMPCO® 8 extruded has a high tensile strength and a good yield along with an inherent toughness and ductility not usually found in a single alpha phase aluminium bronze. During the extrusion process the metal is hot worked resulting in a compact grain structure free of inclusions or other defects and improved physical properties.

Gehe zu

Main fields of application

AMPCO® 8 is used whenever good resistance to corrosion, erosion, abrasion and cavitation-pitting is essential. AMPCO® 8 is ideally suited for pipes, tubes, joints and other pieces used in the process, marine or other similar industries.

The extreme hardness of this alloy makes it an ideal bolting material.

AMPCO® 8 has excellent bearing characteristics. It is used for bushings, bearings, wear strips and in similar applications where hardness and ductility are essential for uninterrupted operations.

RELATED APPLICATIONS

- Wear & Corrosion Resistance

Chemical composition of AMPCO® 8

Al %	Fe %	Sn %	Others %	Cu
6,5	2,5	0,25	Max. 0,5	Balance

Mechanical properties of AMPCO® 8

Nominal values	Tensile strength Rm (MPa)	Yield strength Rp 0.5 (MPa)	Elongation A5 %	Brinell hardness HBW 10/3000	Rockwell hardness HRB
Ø ≤ 12.7 mm	586	386	35	187	91
Ø 12.7 - 25.4 mm	565	358	35	183	90
Ø 25.4 - 50.8 mm	552	323	35	174	88
Ø 50.8 - 76.2 mm	517	283	35	163	85

Delivery program

Round extruded Ø 12.7 mm to 76.2 mm

Round continuous casted Ø 25.4 mm to 228.6 mm

Flat bars thickness 6.4 mm to 101.6 mm

Further sizes available upon request.

Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

Contact us



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