NEW FROM ESCHMANNSTAHL – HIGH-PERFORMANCE COPPER AND BRONZE ALLOYS

- Both special materials can be delivered from stock
- We cut to the size you require in no time at all
- Why not now make use of EschmannStahl's fast service for ES CU 200 and ES B-LG 1 too

Dimensions			
Material	Format	Min. Thickness	Max. Thickness
ES CU 200	flat	20 mm	150 mm
ES B-LG 1	flat	20 mm	200 mm

Mechanical/Engineering Values				
Material	N.I.S.	Density	D.F.T. (Rbw)	Elasticity Module
ES CU 200	60 joules	8.8 kg/dm³	270 N/mm²	130 KN/mm²
ES B-LG 1	20 joules	7.6 kg/dm³	290 N/mm²	117 KN/mm²

EschmannStahl GmbH & Co. KG

Otto-Hahn-Straße 3
51580 Reichshof-Wehnrath

Tel.: +49 2265 9940-0
Fax: +49 2265 9940-100

info@eschmannstahl.de
www.eschmannstahl.de

Version: 8/2017

Bronze and Copper Alloys

The beryllium-free alternative – not just for effective die-making

ESCHMANNSTAHL

BERYLLIUM-FREE

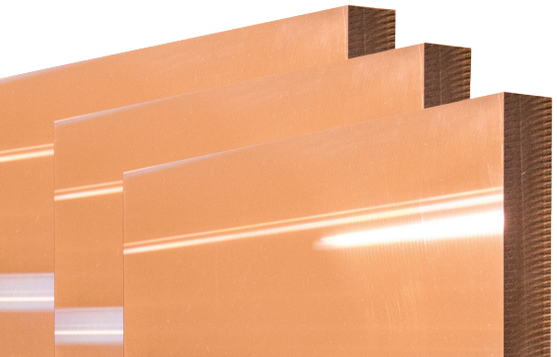
The **faster** way to reach your goal:
we deliver the dimensions you require
in three to five days!

ES CU 200

- forged
- high strength
- very high heat conductivity
- grainable and polishable
- >150mm thickness in stock

ES B-LG 1

- forged
- high strength
- high corrosion resistance
- grainable and polishable
- good sliding properties
- food-safe
- >200mm thickness in stock



SUPERB COMBINATION OF HARDNESS AND HEAT CONDUCTIVITY

WHY CU ALLOYS

Copper alloys have significant advantages over steels that don't come close to matching the former's ratio of hardness to heat conductivity. As well as excellent heat conductivity, they feature good strength properties.

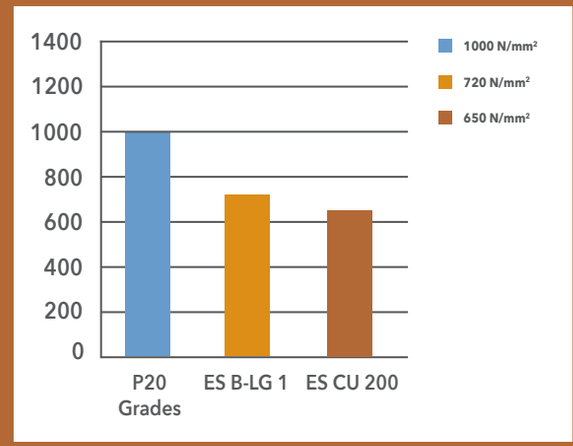
Ultimately unit costs can be significantly reduced and the quality of components can be substantially increased. Comparatively higher input costs are amortised by very fast cycle times when copper alloys are used. Thermal homogeneity is also enhanced during cool-down phases. This results in significantly less warpage than is the case with steel alloys.

„Reach your goal in three days with copper too."

Joachim Stotz,
Key Account Manager

Joachim Stotz
Tel.: +49 162 109 0849
E-Mail: Joachim.Stotz@EschmannStahl.de

STRENGTHS OF TOOL STEEL, BRONZE AND COPPER ALLOYS COMPARED



HEAT CONDUCTIVITY OF TOOL STEEL, BRONZE AND COPPER ALLOYS COMPARED