

ZOLLERN

Solid metals. Fine solutions.

Casting and Forging

Forging
Production
overview



ZOLLERN-worldwide



ZOLLERN-Products



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ZOLLERN








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Dimensions

(not always possible in combination)

// Round bar		
	Diameter	Ø 28 - 450 mm
	length	max. 12.000 mm
// Square		
	Lateral length	max. 400 mm
	length	max. 4.000 mm
// Rectangle		
	Width	max. 1.100 mm
	Height	min. 20 mm
	length	max. 12.000 mm
// Bush		
	Outer diameter	max. 550 mm
	Wall thickness	min. 35 mm
	length	max. 1.500 mm
// Ring		
	Outer diameter	1.600 mm
		On request up to Ø 2.500 mm
	Height	max. 750 mm
	Weight	max. 3.000 kg
// Disc		
	Outer diameter	max. 1.600 mm
	Weight	max. 3.000 kg
// Drop forged part		
		max. 20 kg

Production overview

- Foundry
- Drop forging
- Testing & analysis
- Heat treatment
- Hydraulic forging press
- Mechanical properties testing
- NDT - PT, UT, VT
- Ring mill
- Mechanical machining

Alloys

(exemplary)

	ZOLLERN	EN alloy	EN no	ASTM
Cu	CuAg	CuAg0,1P	CW016A	C10700
	OF-Cu	Cu-OFE	CW009A	C10100
	SE-Cu	Cu-HCP	CW021A	C10300
CuCr1Zr CuCr1	CCZr	CuCr1Zr	CW106C	C18150
	CC Zr 04	CuCr1	CW105C	C18200
Cu-Al (QT, TQ50)	EBz	CuAl10Ni5Fe4	CW307G	~ C63000
	EBh, VB	CuAl11Fe6Ni6	CW308G	-
	EBw	CuAl9Ni3Fe2	CW304G	~ C63200
	AMB1	CuAl10Mn3Fe2	CW306G	-
CuZn	BZ 2	CuZn37Mn3Al2PbSi	CW718R	-
	CuZn39Sn1	CuZn39Sn1	CW719R	C46400
CuNi	NB 10	CuNi10Fe1Mn	CW352H	C70600
	NB 30	CuNi30Mn1Fe	CW354H	C71500
	NB1	CuNi14Al3	2.1504	-
CuNiSi	CuNi2Si	CuNi2Si	CW111C	C64700
	NSB4	CuNi3Si	CW112C	-
	C18000	CuNi2SiCr	-	C18000

Standards: EN 12420, ASTM, MIL, BS, DEF STAN, NFL, WL