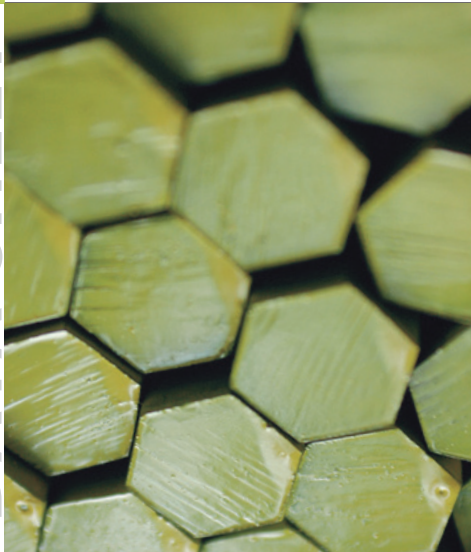


## CuZn39Pb3 | Hexagon bars

DATA SHEET



<b>Alloy</b>	CuZn39Pb3, CW614N												
<b>Condition</b>	drawn												
<b>Norm</b>	DIN EN 12164												
<b>Tolerance</b>	<table border="0"> <tr> <td>Ø 3,5-6 mm</td> <td>+0/-0.08 mm</td> </tr> <tr> <td>Ø 6,5-10 mm</td> <td>+0/-0.09 mm</td> </tr> <tr> <td>Ø 10,5-18 mm</td> <td>+0/-0.11 mm</td> </tr> <tr> <td>Ø 18,5-30 mm</td> <td>+0/-0.13 mm</td> </tr> <tr> <td>Ø 31-50 mm</td> <td>+0/-0.16 mm</td> </tr> <tr> <td>Ø 51-60 mm</td> <td>+0/-0.19 mm</td> </tr> </table>	Ø 3,5-6 mm	+0/-0.08 mm	Ø 6,5-10 mm	+0/-0.09 mm	Ø 10,5-18 mm	+0/-0.11 mm	Ø 18,5-30 mm	+0/-0.13 mm	Ø 31-50 mm	+0/-0.16 mm	Ø 51-60 mm	+0/-0.19 mm
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Ø 51-60 mm	+0/-0.19 mm												
<b>Machinability</b>	very good												
<b>Hot Workability</b>	very good												
<b>Cold Workability</b>	bad												
<b>REACH</b>	information obligations												
<b>RoHS</b>	not conform												

### Mechanical Properties

	Tensile strength $R_m$	Yield stress $R_{p0,2}$	Elongation A	Hardness HB
SW 5-35 mm R430-H110	≥ 430 N/mm <sup>2</sup>	≥ 220 N/mm <sup>2</sup>	≥ 10 %	110-160
Ø 36-90 mm R360-H090	≥ 360 N/mm <sup>2</sup>	≥ 320 N/mm <sup>2</sup>	≥ 20 %	90-125

Main alloy for machining, Drilling and turning quality, for automatic machine processing. Turned parts of all kinds. Good heat formability. Die forging. Bad cold formability.

### Chemical Analysis

Cu	57.0-59.0 %
Al	max. 0.05 %
Fe	max. 0.3 %
Ni	max. 0.3 %
Pb	2.5-3.5 %
Sn	max. 0.3 %
Zn	Rest
Others	max. 0.2 %

### Comparable Specifications

CuZn39Pb3 (Ms58), 2.0401, DIN 17660
C38500 UNS
CZ 121-Pb3, BS 2870-2875

Schreier Metall GmbH  
 Bessemerstr. 17  
 D-40699 Erkrath-Hochdahl  
 Telefon +49 2104 1737-0

Internet: [www.schreier-metall.de](http://www.schreier-metall.de)  
 E-Mail: [sales@schreier-metall.de](mailto:sales@schreier-metall.de)