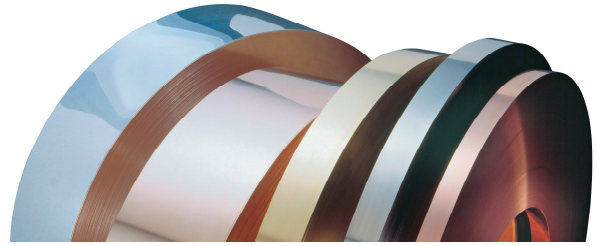


Nickel Silver NX08



Material Designation	
DIN-EN Symbol	CuNi8Zn25Pb2
DIN-EN	-
UNS	C78200
JIS	-
Abbreviation Sundwig	CuNi8Zn25Pb2

Nominal Composition (mass content in %)	
Cu	Balance
Zn	25
Ni	8
Pb	2
Typical Applications	
<ul style="list-style-type: none"> Security keys 	

About the Alloy

NX08 – a special nickel silver – is mainly used for security keys.

It is preferred for the production of keys due to the following properties:

- Excellent punching quality and good stampability
- Particularly good machinability
- Optimum strength properties
- Very good corrosion resistance

At the request of the customer or the type of application NX08 is produced in the tempers HB160 and HB170; other tempers are possible and can be supplied on request.

Mechanical Properties					
Temper	Rm MPa	Rp0.2 MPa	A50 %	HB	Hv
R330 soft	330 - 420	< 250	> 30	80 - 110	85 - 120
R400 H01	400 - 480	> 270	> 20	110 - 140	120 - 155
R460 H02	460 - 530	> 420	> 10	140 - 165	155 - 185
R530 H04	530 - 600	> 500	> 4	170 - 190	185 - 210
R580 H06	> 580	> 550	-	> 180	> 190

In the case of key blanks the hardness value is referred to the strip before punching.
For key blanks the tempers HB160 or HB170 are preferred.
HB160 - 180 and HB170 - 190 are restricted special grades for key blanks.

Delivery Range of Semi-Finished Products		
	Strip	Key blanks
Thickness	1.5 - 2.6 mm 2.6 - 3.5 mm	Punched according to customer's drawing using our own or customer-supplied tools. In cooperation with a sub-supplier, we also supply blanks in processed form.
Width	min. 30 mm min. 58 mm	

Your Local Contact Person	
Europe	Asia

SUNDWIGER
Messingwerk

SUNDWIGER
Messingwerk

Sundwiger Messingwerk GmbH

Sundwiger Metal (Shenzhen) Co. Ltd.

Hönnetalstraße 110
58675 Hemer
Deutschland
Tel. +49 2372 661-100
Fax +49 2372 661-48100
E-Mail: sales-sundwig@sundwiger-mw.com
www.sundwiger-mw.com

5F, Block 25, Shatoujiao Free Trade Zone
518081 Shenzhen
P.R. of China
Tel. +86 755 2235 7466
Fax +86 755 25260974
E-Mail: sales@sundwiger-mw.com.cn
www.sundwiger-mw.com

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We reserve the right to make alterations especially where necessitated by technical developments or changes in availability.