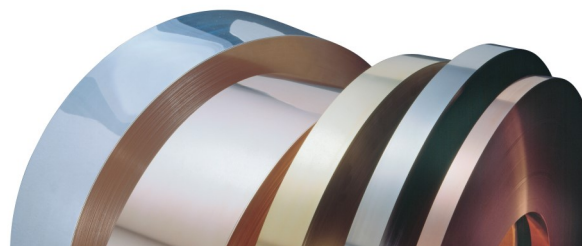


## Nickel Silver NX02



Material Designation	
DIN-EN Symbol	CuNi2Zn28Pb1
DIN-EN	-
UNS	-
JIS	-
Abbreviation Sundwig	CuNi2Zn28Pb1
The Miller Company	C7829

Nominal Composition (mass content in %)	
Cu	Balance
Zn	27
Ni	2
Pb	1
Typical Applications	
<ul style="list-style-type: none"> <li>Security keys</li> </ul>	

About the Alloy
<p>NX02 – a special nickel silver – is mainly used for security keys. It is preferred for the production of keys due to the following properties:</p> <ul style="list-style-type: none"> <li>Excellent punching quality and good stampability</li> <li>Particularly good machinability</li> <li>Optimum strength properties</li> <li>Good corrosion resistance</li> </ul> <p>At the request of the customer or the type of application NX02 is produced in the temper HB150 or HRB84; other tempers are possible and can be supplied on request.</p>

Mechanical Properties					
Temper	Rm MPa	Rp0.2 MPa	A50 %	HB	HRB
R250 soft	250 - 350	< 250	> 25	70 - 100	35 - 54
R310 H01	310 - 410	> 250	> 20	80 - 110	48 - 63
R350 H02	350 - 450	> 300	> 15	110 - 140	63 - 83
<b>R450 H04</b>	<b>450 - 550</b>	<b>&gt; 410</b>	<b>&gt; 8</b>	<b>150 - 170</b>	<b>84 - 88</b>
R550 H06	550 - 650	> 520	> 6	170 - 200	87 - 94

In the case of key blanks the hardness value is referred to the strip before punching.  
For key blanks the temper HB150 or HRB84 are preferred.

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

### Your Local Contact Person

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

Please ask for the latest edition of this material data sheet.