

Wieland

Wire for ball pen tips



scriptoline[®] – wire for ball pen tips

Customised solutions

Wieland supplies wire made of high-quality brass and nickel silver to manufacturers of ball pen tips. scriptoline wire and blanks have excellent processing properties. They are available ex works on short lead times.

High quality

In order to ensure the high quality standard of our products, the production of wire and blanks is continuously monitored using state-of-the-art testing technology.

scriptoline materials are characterised by outstanding processing properties. They combine good machinability and cold formability with close tolerances. scriptoline materials are specially designed for ball pen tips. Ball pen tips made of scriptoline are resistant to wear and corrosion by ink.

Everything under one roof

The entire Wieland production – from casting to finished wire or blank – is done in-house and our customers receive the finished products quickly and directly; the best basis for economical solutions.

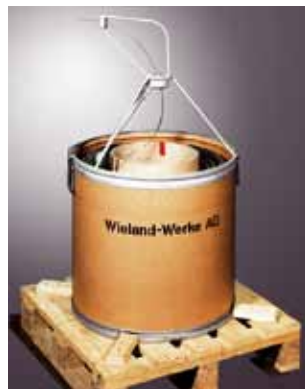


The wire is manufactured on state-of-the-art drawing lines equipped with diamond drawing tools, computer-controlled drives, multiple draws, an in-line annealer as well as optimised lubricant technology.

Delivery formats and packaging



Coils: up to 250 kg



Cardboard drums: 220 kg or 400 kg



Stems: up to 500 kg



Loose blanks

Free-cutting alloys with limited cold formability

Alloy			Chemical composition (reference values %)								Properties			
Material	Wieland designation	Designation of standard	Cu	Zn	Pb	Ni	Mn	Si	Al	Fe	Machinability	Cold formability	Corrosion resistance	Colour
Brass	Z32	CuZn39Pb3 EN: CW614N UNS: C38500	58.5	Rem.	3.3						100 %	fair	fair	golden yellow
	Z62	CuZn39Pb3 EN: not standardized UNS: C37710	58.4	Rem.	2.6	0.2					95 %	fair	good	golden yellow
	ZB4	CuZn36Pb3 EN: CW603N UNS: C36000	61.5	Rem.	3.0						80 %	excellent	fair	golden yellow
Lead-free Brass	SX1	CuZn31Mn2SiAl EN: not standardized UNS: not standardized	64	Rest	<0.1	0.5	2.0	1.0	1.0	0.5	70 %	good	good	golden yellow
Nickel silver	N31	CuNi7Zn39Pb3Mn2 EN: CW400J UNS: not standardized	48.9	Rem.	3.0	7.4	2.7				95 %	fair	good	silver
	N48	CuNi12Zn38Mn5Pb2 EN: not standardized UNS: not standardized	43.5	Rem.	1.8	12	5.3				90 %	good	good	silver
	N35	CuNi15Zn22Pb2Mn EN: not standardized UNS: not standardized	61	Rem.	2.2	15	0.6				70 %	excellent	excellent	bright silver

Cold heading alloys with excellent cold formability

Alloy			Chemical composition (reference values %)				Properties	
Material	Wieland designation	Designation of standard	Cu	Zn	Ni	Mn	Corrosion resistance	Colour
Brass	M36	CuZn36 EN: CW507L UNS: C26800	64.5	Rem.			fair	golden yellow
Nickel silver	N22	CuNi12Zn24 EN: CW403J UNS: C75700	64.5	Rem.	11.6	0.2	excellent	silver
	N29	CuNi18Zn20 EN: CW409J UNS: C75900	62.5	Rem.	17.4	0.4	excellent	silver

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