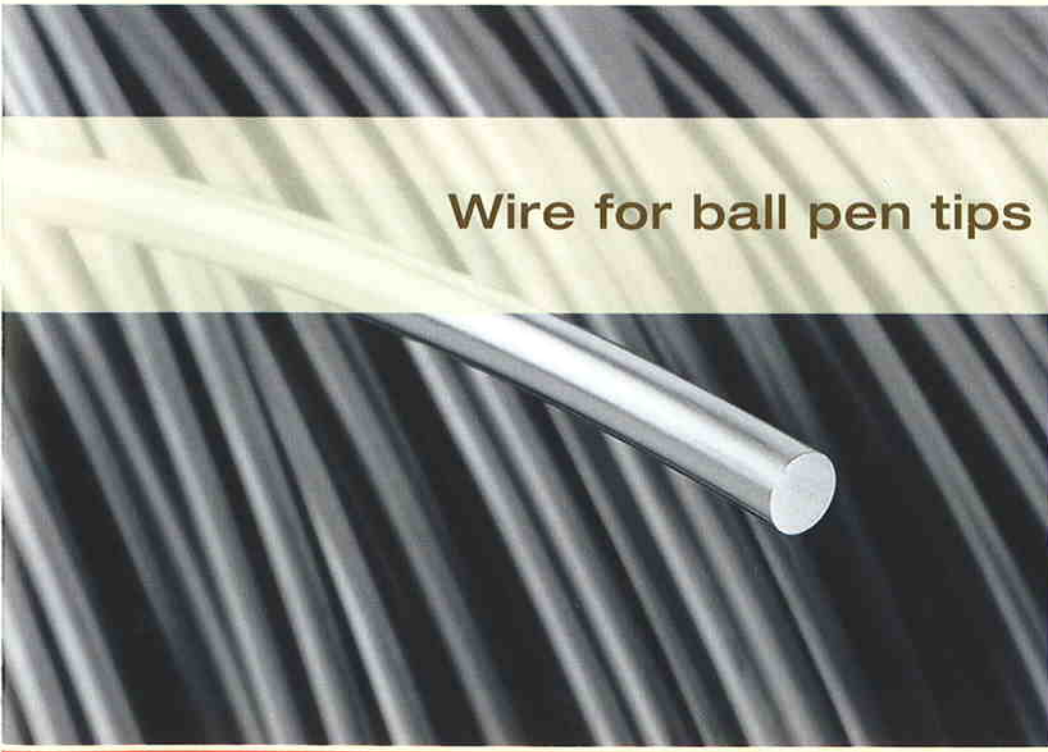


Wieland

scriptoline

Wire for ball pen tips



scriptoline – wire for ball pen tips

Customized solutions

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

High quality

Outstanding processing properties make scriptoline materials the first choice. 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 – is done in-house and our customers receive the finished products quickly and without delays; the best basis for economical solutions.



The latest wire drawing line was put into operation at the beginning of 2008. It is equipped with state-of-the-art diamond drawing tools, computer-controlled drives, multiple draws, an in-line annealer as well as optimized lubricant technology

Delivery formats and packaging



Coils: up to 250 kg



Cardboard drums: 220 kg or 400 kg



Stems: up to 500 kg

Free-cutting alloys for ball pen tips

Alloy			Chemical composition (reference values %)					Properties		
Material	Wieland designation	Designation of standard	Cu	Zn	Pb	Ni	Mn	Machinability	Cold formability	Corrosion resistance
Brass	Z32	CuZn39Pb3 EN: CW614N UNS: C38500	58.5	Rem.	3.3			100 %	fair	fair
	Z62	CuZn39Pb3 EN: not standardized UNS: C37710	58.4	Rem.	2.6	0.2		95 %	fair	good
	ZB4	CuZn36Pb3 EN: CW603N UNS: C36000	61.5	Rem.	3.0			80 %	excellent	fair
Nickel silver	N31	CuNi7Zn39Pb3Mn2 EN: CW400J UNS: not standardized	48.9	Rem.	3.0	7.4	2.7	95 %	fair	good
	N48	CuNi12Zn38Mn5Pb2 EN: CW407J UNS: not standardized	43.5	Rem.	1.8	12	5.3	90 %	good	good
	N35	CuNi15Zn22Pb2Mn EN: not standardized UNS: not standardized	61	Rem.	2.2	15	0.6	70 %	good	excellent

Alloys for pure cold working

Alloy			Chemical composition (reference values %)				Properties	
Material	Wieland designation	Designation of standard	Cu	Zn	Ni	Mn	Cold formability	Corrosion resistance
Brass	M36	CuZn36 EN: CW507L UNS: C2680	64.5	Rem.			excellent	fair
Nickel silver	N29	CuNi18Zn20 EN: CW409J UNS: C75900	62.5	Rem.	17.4	0.4	excellent	good

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