



ULTRA-FINE WIRES

ACHIEVING THE FINEST DIAMETERS WITH REAL EXPERTS

FINEST OPTIONS.



- can no longer be manufactured via conventional drawing technology
- electroplating of a fine-drawn platinum wire with silver
- fine drawing down to the desired diameter of the platinum core
- in the case of application, exposing the platinum wire (down to 0.0005 mm) by peeling off the silver sheath

our tungsten wires reach into the diameter range of less than 0.01 mm. the finest ones can be manufactured down to 0.006 mm. since the wire diameter is finer than the usual measuring methods allow, electrical resistance has proven to be the best parameter for specifications instead. for better contactability we offer multiple coating, finally, e.g., tinned.

- metals and alloys with appropriate tensile strength drawable to diameters down to 0.010 mm
- extra-fine wires are also available coated or as wire composition

get inspired by our information sheets „wire compositions“ and „composite wires“.



DELIVERY TYPE.

our extra-fine wires in the dimensional range from \varnothing 0.020 mm to \varnothing 0.0005 mm are mainly available as round wires.

coil design

diameter in mm	recommended coil	recommended weight per coil in g
0.0005 – 0.001	TS1	1 – 10
0.0010 – 0.020	K40	5 – 10
0.0010 – 0.025	K50	10 – 20
0.0150 – 0.025	HKK76	max. 20

(**ELSCHUKOM** standard (DIN EN 60264-2-1), special customer requirements available upon request)

EXPERTISE AND TECHNOLOGY.

for many years, **ELSCHUKOM** has been manufacturing extra-fine wire from various materials. the expertise we have gained is constantly used in the further development of our manufacturing processes. with the help of the latest technologies we can even achieve particularly thin dimensions down to 0.0005 mm. even with the finest diameters, we guarantee the highest precision. it is our core competence to offer the majority of our **ELSCHUKOM** material range in the extra-fine wire sector.

wollaston: \varnothing 0.0005 mm

our thinnest wire:
 \varnothing 0.006 mm

spider silk:
 \varnothing 0.006 mm

cigarette paper:
0.030 mm

human hair:
 \varnothing 0.060 mm

newspaper:
0.080 mm

pig bristle:
 \varnothing 0.100 mm

80 g-paper:
0.120 mm

sewing pin:
 \varnothing 0.600 mm

paper clip:
 \varnothing 0.800 mm

ask us for the finest options
for your wire:



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