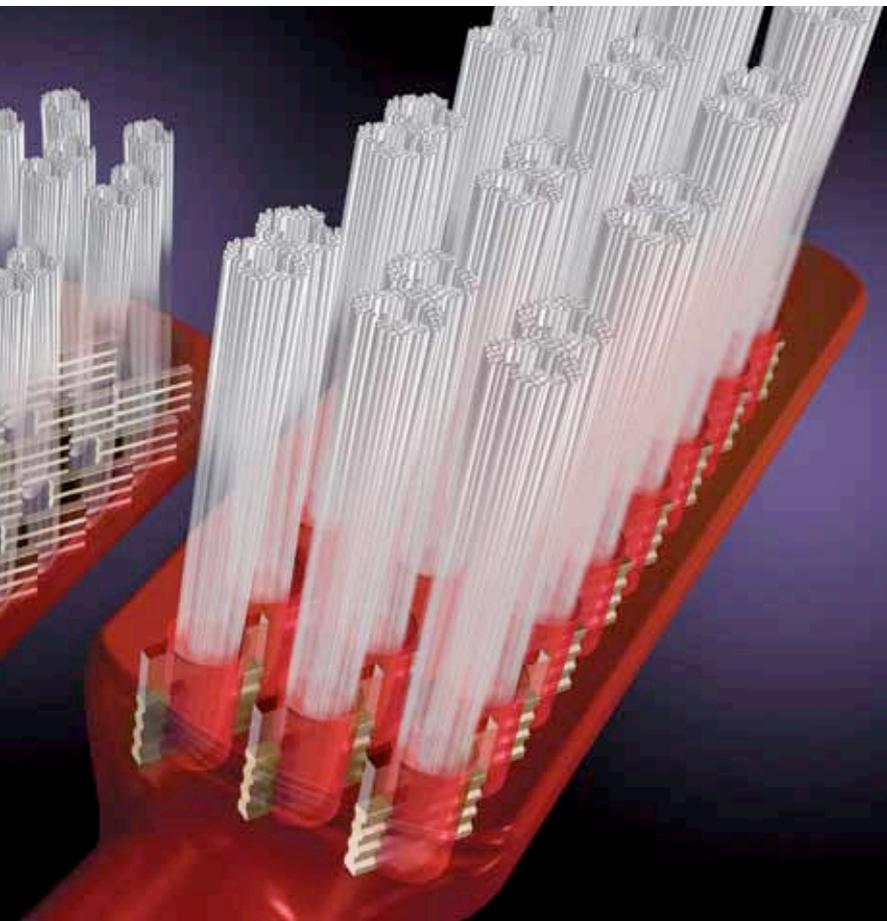




Anchor wires

ungrooved - single-sided grooved -
double-sided grooved

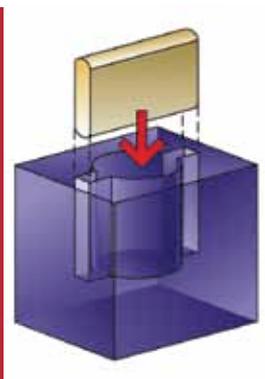


■ Select your optimum solution

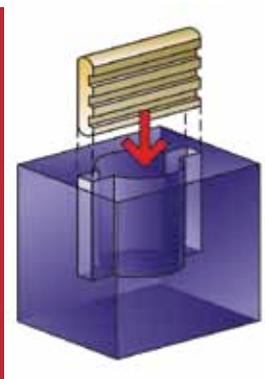
Whether ungrooved, single-sided or double-sided grooved: **bedra**® is the only brand offering you all wires from a single source. You only need to decide which version will suit your needs best.

In our inhouse R & D department we are permanently working to realize new grooves. More grooves not only mean material and weight savings and thus reduced cost, they also mean a better bristle anchorage.

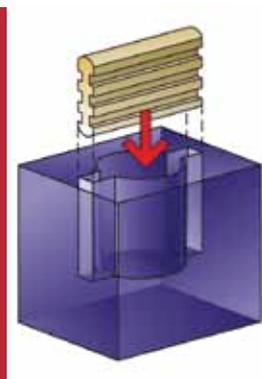
➔ For a maximum tuft retention we recommend our double-sided anchor wires.



ungrooved



single-sided grooved



double-sided grooved

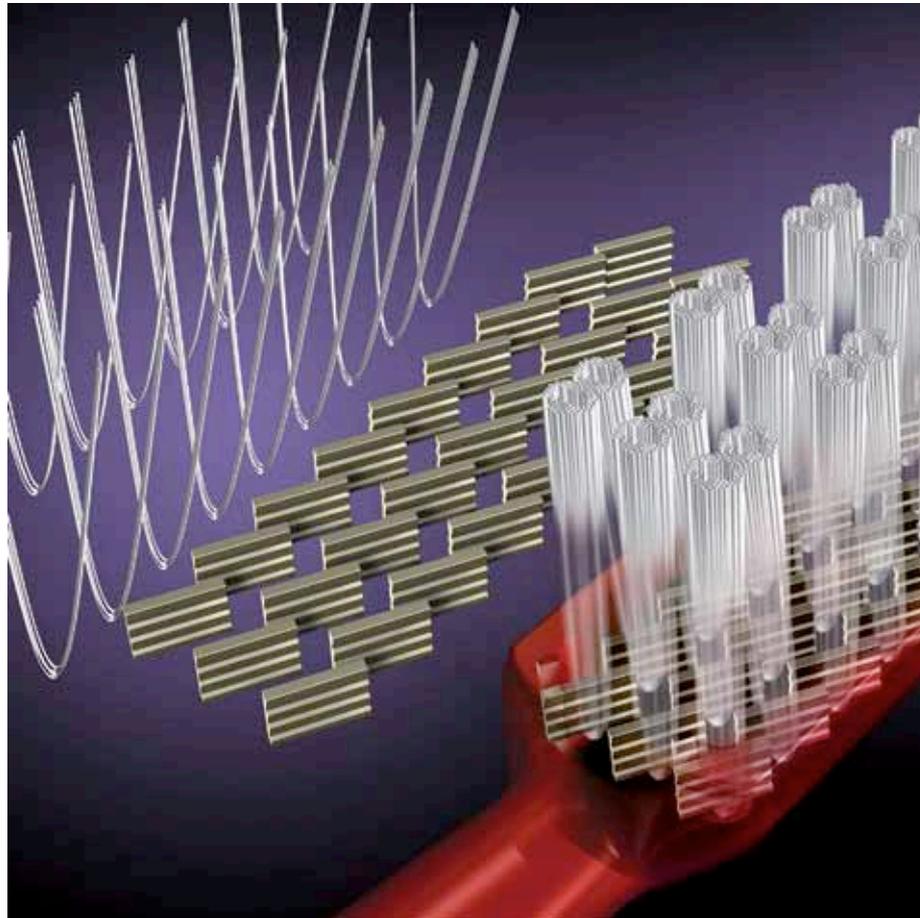
bedra anchor wires for high-quality toothbrushes and fine brushes

■ Perfection and innovation

Perfection has been our commitment – since as early as 1889! With products “Made in Germany”, Berkenhoff GmbH, operating under the umbrella brand **bedra**®, is synonymous with high-tech precision wires for electronic components, spark erosion, welding and brazing as well as specialty applications. We are able to provide a range of more than 100 different alloys, all being produced in our own foundry. Of course, only virgin metals are used. The Berkenhoff quality management system is approved to DIN EN ISO 9001, our environmental management system to DIN EN ISO 14001. More than 120 years of know-how in the field of copper wire production is finally paying off for you. Apart from basic research, the **bedra**® Competence Center is also working hard with our customers to find tailor-made solutions and technologies in joint development projects.

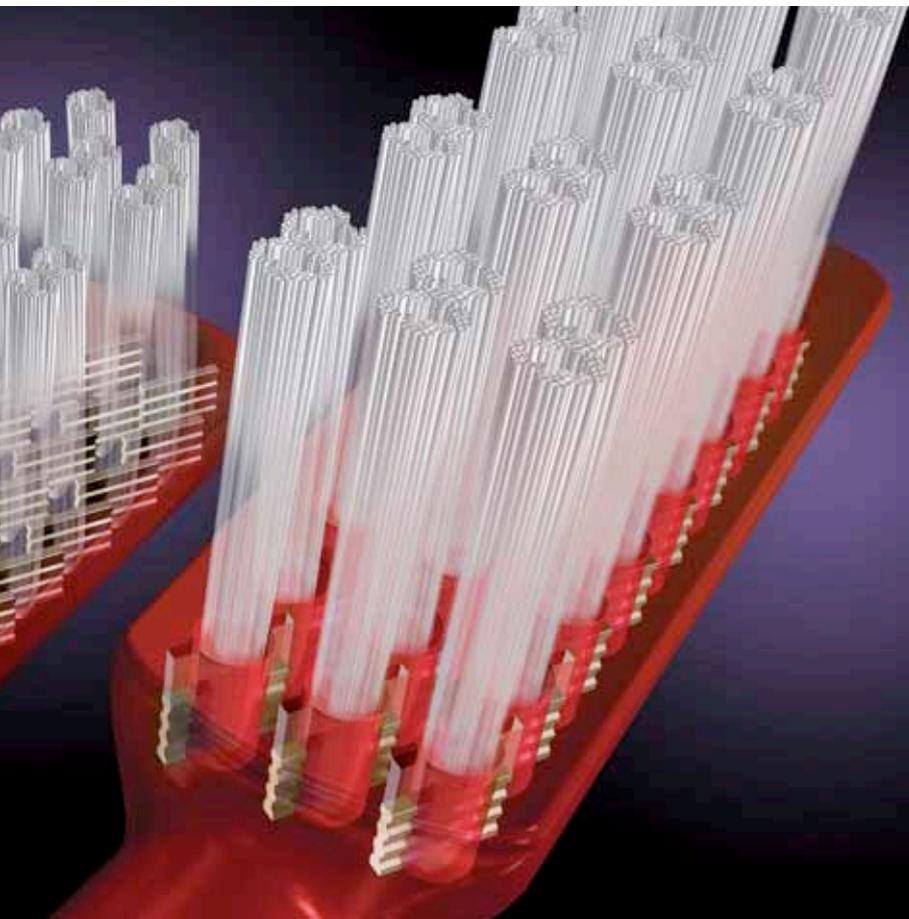
■ The safe connection

For many decades now, providing reliable anchors for bristles in high-quality toothbrushes and fine brushes has been a major application for our non-ferrous fine wires. **bedra**® anchor wires are tailored perfectly to meet specific requirements - whether they are ungrooved, single-sided or double-sided grooved. And they are produced inhouse from foundry to the final packed product. All wires feature an extremely high tuft retention within the final products. It is this “Made in Germany” quality standard that prompts customers all over the world to place such a high level of trust in our products. **bedra**® did not supply anchor wires for more than 2 billion toothbrushes every year in more than 80 countries for nothing! Our just-in-time service and utilizing a maximum level of consulting for our business partners enabled us to achieve this extraordinary success.



Opt for the original **bedra**® safety grooves

bedra
intelligent wires



■ Quality metals

We offer you the best solutions out of more than 100 alloys. We process nickel silver and brass – and this only in the form of virgin metals. At **bedra**® we smelt metals observing the strictest tolerances. Thus we may practically eliminate any variations in the composition of the alloys – something which is of particular importance with respect to a topic as delicate as anchor wires – and achieve an optimum in reproducibility.

All our alloys are produced in our own foundry. In other words: you may rely on a 100% control within the **bedra**® manufacturing process.





■ Less is more

Smaller wire, bigger effect: reducing wire sizes will save material and thus costs. Therefore our standards are already starting at 1.00 x 0.20 mm. The fact that here minimum format and maximum quality go together is a strong argument in favor of **bedra**[®]: closest tolerances, high tensile strength, reproducibility and perfect suitability also for electric toothbrushes are certainly standard.

On request we also develop wires to your specific requirements: in your special profiles, with your specific edge designs.

For electric toothbrushes we recommend our 1.20 x 0.20 mm wire size.



bedra
intelligent wires

Technical specs

Standard alloys

- nickel silver e.g. NS12(CuNi12Zn24); NS10(CuNi10Zn27)
 - brass e.g. Ms63(CuZn37)
- Other alloys on request.

Standard sizes

- 1.000 x 0.200 mm
- 1.200 x 0.200 mm
- 1.300 x 0.250 mm
- 1.400 x 0.250 mm
- 1.400 x 0.300 mm
- 1,524 x 0.254 mm

Other sizes on request.

Standard tolerances

- $\pm 0,02$ mm width
- $\pm 0,01$ mm thickness

Other tolerances on request.

Standard profiles

- ungrooved
- single-sided grooved
- double-sided grooved

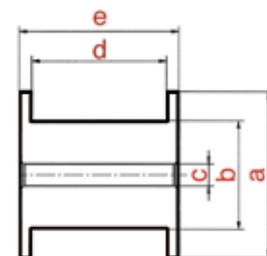
Special profiles on request.

Fine brushes

- alloys: nickel, silver, brass, bronze
- diameters from 0,10 to 4,00 mm

Spool types

type	volume a [approx. kg]	flange b [mm]	core c [mm]	bore d [mm]	interior size e [mm]	exterior size [mm]
SD300	12,0 - 15,0	300	212	51,5	91	103
SD200	5,0	200	105	51,5	45	55
AD200	5,0	200	75	67,5	50	58
K160	7,0	160	100	22	128	160
P5	5,0	160	90	20	90	115
KM150	4,6	150	76	16	70	92
K125	3,6	125	80	16	100	125



type	volume a [approx. lbs]	flange b [inch]	core c [inch]	bore d [inch]	interior size e [inch]	exterior size [inch]
SD300	26,5	11,8	8,3	2,0	3,6	4,1
SD200	11,0	7,6	4,1	2,0	1,8	2,2
AD200	11,0	7,9	3,0	2,6	2,0	2,3
K160	15,5	6,3	3,9	0,9	5,0	6,3
P5	11,0	6,3	3,5	0,8	3,5	4,5
KM150	10,1	5,9	3,0	0,6	2,8	3,6
K125	8,0	4,9	3,1	0,6	3,9	4,9

