

BEKAERT

better together

Steel wire for industrial and polishing brushes

Benefits

- 1 Distributes pastes evenly
- 2 Rotate smoothly at high speeds
- 3 Extends brush life

Industrial and polishing brushes need to remove the smallest burrs, defects or contaminants. While doing so, the filaments cannot break or rust. Bekaert offers an extensive range of high quality steel wires in hard drawn, annealed and Bessemer grades. Each wire features high fatigue properties and excellent wear resistance, which leads to a consistent brush effect and extended brush life.



Choose the right wire for an optimal brush effect

Bekaert's low-carbon Bessemer wire is the ideal component for small and efficient polishing brushes. It features consistent mechanical properties and high fatigue life. We can produce diameters as thin as 20 μm . The filaments are trimmed and dynamically balanced to a smooth rotation at high speeds. The crimped structure is ideal for the even distribution of polishing pastes.

For brushes that require harder, stronger wire, Bekaert also offers hard-drawn wires and oil-tempered wires. Match the surface finish of your wires to your brush application so your customers can achieve a better brush effect. Our surface finishes include zinc and brass for hard drawn wires, and dry coatings for oil tempered wires.

Why choose Bekaert?

Your global partner

Bekaert has been producing steel wire solutions for over 130 years, for customers in over 120 countries. As a global company that places high value on quality, we make sure that our products meet international standards. Our production sites are strategically located around the globe and we have a wide network of local sales representatives who are at your service at all times.

Experienced producer of steel brush wires

Bekaert brush wires are available in a wide range of tempers, tensile strengths and steel alloys. Whether your brushes need to clean, polish or deburr, we are able to adapt the diameters, hardness or surface finish to provide wire that contributes to the perfect brushing effect.

Product range

WHITE OIL TEMPERED WIRE

Product specification: DS-05-01

Diameter range: 0,15-1,00mm

Surface finish: dry coated

Grade	Chemical composition				Tensile strength
	C	Mn	Si	Cr	
Resist	0,60- 0,75%	0,40-0,80%	0,10-0,35%	-	1900-2200 N/mm ²
Super resist	0,60- 0,75%	0,40-0,80%	0,10-0,30%	-	2050-2450 N/mm ²
Hifa resist	0,60- 0,75%	0,60-0,90%	0,10-0,30%	0,20-0,30%	2250- 2550 N/mm ²
Ultra resist	0,60- 0,75%	0,60-0,90%	0,10-0,30%	0,20-0,30%	2300- 2800 N/mm ²

HARD DRAWN WIRE

Product specification: DS-05-00 and DS-05-09

Diameter range: 0,15-0,80mm

Surface finish: bright, galvanized, zinc flashed and brass

Grade	Chemical composition			Tensile strength
	C	Mn	Si	
Grade A	0,30-0,70%	0,40-0,80%	0,10-0,35%	1800-2200 N/mm ²
Grade B	0,45-0,80%	0,40-0,80%	0,10-0,35%	2000-2400 N/mm ²
Grade C	0,55-0,95%	0,40-0,80%	0,10-0,30%	2400-2800 N/mm ²
Brass	0,55-0,95%	0,40-0,80%	0,10-0,30%	2700-3300 N/mm ²



LOW CARBON STEEL BESSEMER WIRE

Product specification: DS-05-03

Tensile strength: 900-1100 N/mm²

Diameters: 0.06-0.20 mm

Proven quality

We perform strict quality controls to assure a consistent length and the weight of our wire bundles. We use a total quality management system that evaluates best practices across the organization and matching them to international benchmarks.

The production of Bekaert steel wire for polishing brushes meets ISO 9001 and ISO 14001 standards.



Contact us

More
Information?

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Responsible editor:
Manan Sawhney - November 2017