



SPIRAL BRUSHES

for wires, cables, rods and tubes

- ▶ In-line surface treatment
- ▶ Remove excess scale, soap, powder
- ▶ Support chemical descaling
- ▶ Support uniform lubricant adhesion
- ▶ Extend die life
- ▶ Available in a wide range of metal & synthetic filaments



- Depending on the design suitable for mechanical removal of scale, filings, oxide layers and excess coatings
- Sturdy design, can be cut to required length
- Standard versions in high-grade steel frame. Available with polypropylene, polyamide, brass coated steel or stainless steel filaments
- Custom-made brushes are available on request. GEO offers a wide range of sizes and custom inside diameters to meet specific applications needs

STANDARD DIMENSIONS

Fill material *	Outer-Ø in mm **	Bristle-Ø in mm ***
Polypropylen		
	40	0,2 / 0,4 / 0,6
	57	0,2 / 0,4 / 0,6
Polyamid		
	40	0,2 / 0,4 / 0,6
	57	0,2 / 0,4 / 0,6
Brass Coated Steel		
	40	0,2
	57	0,2 / 0,3
	80	0,3
Stainless Steel		
	30	0,2
	40	0,2
	57	0,2

Stainless Steel Frame (AISI 304 / 1.4301)

Length: 1000 mm ****

Windings: 34 ****

Notes:

* Overlapping filaments (Inside-Ø = 0).

Custom inside-Ø (core hole) on request

** Other OD on request

*** Other filament sizes on request

**** Other lengths/windings on request

APPLICATIONS:



Brushes with inverted spirals are an effective tool for easy cleaning duties such as removing residual scales, powder drawing compounds, dust and other by-products of the production process. GEO's spiral brushes with stainless steel holding section are available in a variety of filament materials and sizes. Outside diameter and filament diameter determine the hardness.

Brushes with brass coated steel and stainless steel filaments are ideal for removing scale, lubrication residue and carrier coating on wires, rods and tubes. In addition stainless steel filament is highly suitable for aggressive descaling and high-temperature environments. Spiral brushes with soft or hard Polyamide (PA) or Polypropylene (PP) filaments gently wipe and brush the surface even of softer metals and remove lubrication residue and excess coating from wires. They are ideal for eliminating drag out or carry-over from one bath to the next. In addition the uniform lubricant adhesion is supported.

As an alternative to the static application of the brush GEO has developed a rotary unit in which cut to length brush spirals are firmly clamped in a driven receiving device. By the rotational movement loosened particulate contamination is carried out and collected in a drip pan. Remaining residual contamination is finally removed by an air wipe.



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