



## **INOX-TOTAL bevel brush crimped KBUIT dia. 70x10 mm shank dia. 6 mm stainless steel wire dia. 0.20**

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shank dia. 6 mm stainless steel wire dia. 0.20**

Item number: [43225057](#)

EAN: [4007220936498](#)

Excellent for medium-duty brushing such as deburring, cleaning, and removal of heat discoloration.

In addition to brushes with a stainless steel filament, PFERD TOOLS also offers brushes for work on stainless steel (INOX) with the INOX-TOTAL type. They are particularly well-suited to use in extremely critical environments.

In order to fulfil the particular requirements for working with stainless steel (INOX), PFERD TOOLS uses wire quality 1.4310/1.4301 (V2A) for all INOX brushes. Practical experience from industry has shown that this offers very good corrosion resistance with an optimum tool life. All PFERD TOOLS brushes with INOX filaments are colour-coded in blue and are suitable for use on all stainless steels (INOX), such as V4A. The wire quality 1.4310/1.4301 tends to become ferromagnetic in the case of cold working; i.e. it can be attracted using magnets. The reason for this is a change in the microstructure caused by deformation (e.g. during the wire drawing process). This does not have any impact on the quality and corrosion resistance of the INOX filament. The filament is still resistant to corrosion.

Stainless steel wire (INOX) withstands temperatures up to 450 °C.

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## Technical information

Dia. external	70 mm
Dia. filament material	0.2 mm
Dia. shank	6 mm
Filament material	Stainless steel wire (INOX)
Length, filament	15 mm
Length, total	58 mm
Max. RPM	15000 RPM
Mounting system	Shank
RPM, optimum	6.000 - 9.800 RPM
Width	10 mm

## Advantages

- ✓ Optimal access to hard-to-reach areas such as inner edges, grooves and keyways.
- ✓ Highly flexible, enabling optimal adjustment to the workpiece contour.
- ✓ Maximum protection against corrosion as all components are produced from stainless steel (INOX) in quality 1.4310/1.4301 (V2A).
- ✓ Very good corrosion resistance.
- ✓ Creates fine surfaces.
- ✓ The brush is degreased and does not leave any oil residue on the workpiece.

## Recommendations for use

- ✓ Please observe the recommended rotational speeds.
- ✓ For the best results, use a tool drive with a minimum output of 300 watts.

## Safety notes

- ✓ When clamping the brush, ensure that the shank is clamped as far into the arbor as possible. This applies in particular for use in the high rotational speed range. The minimum clamping length is 10 mm.
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## Materials that can be worked

- ✓ Aluminium
  - ✓ Bronze
  - ✓ Cobalt-based alloys
  - ✓ Hard non-ferrous metal
  - ✓ High-temperature-resistant materials
  - ✓ Nickel-based alloys (e.g. Inconel and Hastelloy)
  - ✓ Nickel or titanium-based superalloys
  - ✓ Other non-ferrous metals
  - ✓ Soft titanium alloys (tensile strength 500 N/mm<sup>2</sup>)
  - ✓ Stainless steel (INOX)
  - ✓ Titanium
  - ✓ Titanium alloys
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## Applications

- ✓ Cleaning
  - ✓ Deburring
  - ✓ Derusting
  - ✓ Paint stripping
  - ✓ Removing heat discolouration
  - ✓ Removing oxide layers
  - ✓ Roughening
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## Drive types

- ✓ Flexible shaft drive
  - ✓ Power drill
  - ✓ Straight grinder
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