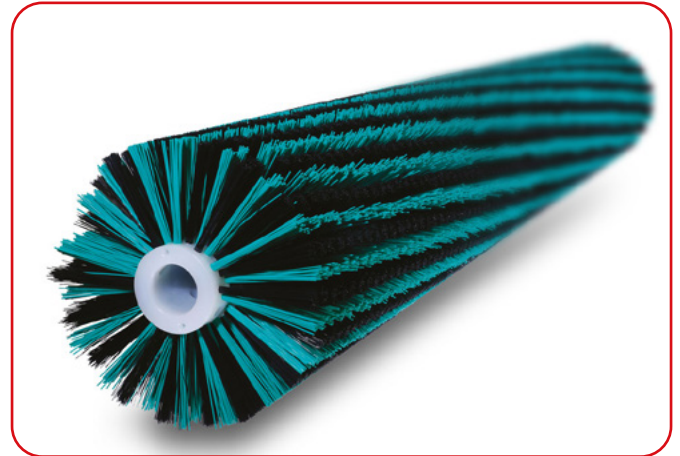


Cylinder brushes

Photovoltaic and solar cleaning

Special brush roller for manual or machine cleaning of photovoltaic and solar panels.

GUTMANN QUALITY for a longer service life, best performance and high economic efficiency.



Highlights

- Use of special fibres to avoid scratch marks on sensitive glass surfaces
- Extremely smooth run due to balanced body design and highest production quality
- Lightweight construction
- High mechanical cleaning performance due to strong line load
- Suitable for high speeds

- On request with integrated, steady shower feed
- High self-cleaning effect due to appropriate arrangement of bristles
- Matched fill patterns for optimal cleaning

Areas of application

- Wet or dry cleaning of photovoltaic and solar panels
- Manually and mechanically operated systems

Technical data

Overall dimension	
Length/Width/Height	≤ 1200 mm / – / –
Diameter	≤ 400 mm
Body	
Diameter	≤ 250 mm
Wall thickness	6 - 20 mm
Material	Solid rods, hollow rods or injection-moulded bodies made of all common thermoplastics, such as PP polypropylenes, PE polyethylenes, PS polystyrenes, ABS acrylonitrile-butadiene-styrene copolymers, PA polyamides, POM polyoxy- methylenes/polyacetals and wood composites
Colours	All basic colours, as well as many common colors, special colours possible
Shower feed	Integrated shower feed possible
Fill	
Fill Materials	PP, PA6, PA6.6, PA6.10, PA6.12, PET, PBT, variety of animal hair and bristles as well as plant fibres
Density of brush pattern	Light, medium, dense
Brush pattern	Linear, spiral, single-row, double-row, chevron, W-shaped, double helix, zig-zag, segmented
Properties	Very soft, soft, medium, hard
Colours	All common colours, special colours possible
Connection	
Connection	Integrated bearing, external bearing, positive drive, internal drive