

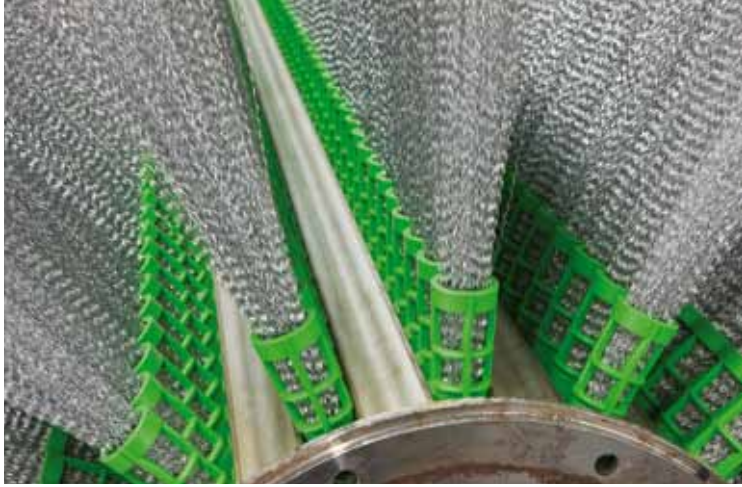


Runway Brushes



UNBEATABLE QUALITY

AIRPORT RUNWAY CLEANING



KOTI BRUSHES

A safe take-off and landing during winter!

KOTI is the undisputed specialist in the production of brushes. With our long history of service, expertise in various markets and huge production possibilities, we are the most complete brush manufacturer!

We are involved in many different industries, in which finding solutions for you is our main goal. Thanks to professional attitude, modern machines and excellent materials, KOTI delivers high-quality brushes!

Our range of snow clearing brushes

One of KOTI's specialties is fabricating sweeping and snow brushes for runways. Our brushes sweep runways and other large surfaces clear of debris and in winter our brushes also remove snow and ice!

In our range we have:

- Brush cassettes with steel wires
- Brush cassettes with synthetic fibres
- Brush rings with synthetic fibres – Wave rings
- Tufted brush rings with steel and synthetic fibres
- Tufted roller brushes

KOTI's brushes can be used on any type of machine, with the most common dimensions available from stock!

BRUSH CASSETTES

KOTI has different types of brushes for cleaning and sweeping runways from snow, ice and other objects such as rubber debris from tires etc.

One of these brushes is the brush cassette with either steel wires or synthetic fibres. These cassettes have been developed using advanced techniques and are fabricated by our completely automatic computer-controlled machinery. As a result the brush cassettes have a high quality, a longer life span and an optimal sweeping function.



Advantages

- High quality brush cassettes due to the use of high-quality material;
- Good optimisation between driving speed, rotational speed of the brush and brush diameter which results in to a longer life span;
- Environmentally friendly: materials are recyclable after use;
- Resistant to temperatures up to -40°C ;
- Easy assembly and disassembly thanks to the location mechanism;
- The brush core can stay in the sweeper whilst fitting; saving labour;
- Only one person needed to fit;
- Dimensions available to suit all machines on the market;
- Most common dimensions available from stock;
- Each crate delivered, is a complete set of cassettes for one roller brush no matter the length of the brush or number of tracks needed!

Filling material

The cassettes are filled with high-quality steel wires and synthetic fibres.

Galvanized steel wire, waved: 0.45 mm and 0.60 mm
Polypropylene: 2.3 mm and 2.8 mm



Dimensions*

KOTI fabricates cassettes to various dimensions and lengths.

As a result your roller brush will always be completely filled with the number of tracks needed. The brush diameters range from 770 mm to 1170 mm (from 30 inch to 46 inch).

Lengths number of bundles and wires

- Cassette 724.5 mm with 18 bundles
- Cassette 825 mm with 20 bundles
- Cassette 1031 mm with 25 bundles
- 120 (240 tops) or 140 (280 tops) wires per bundle

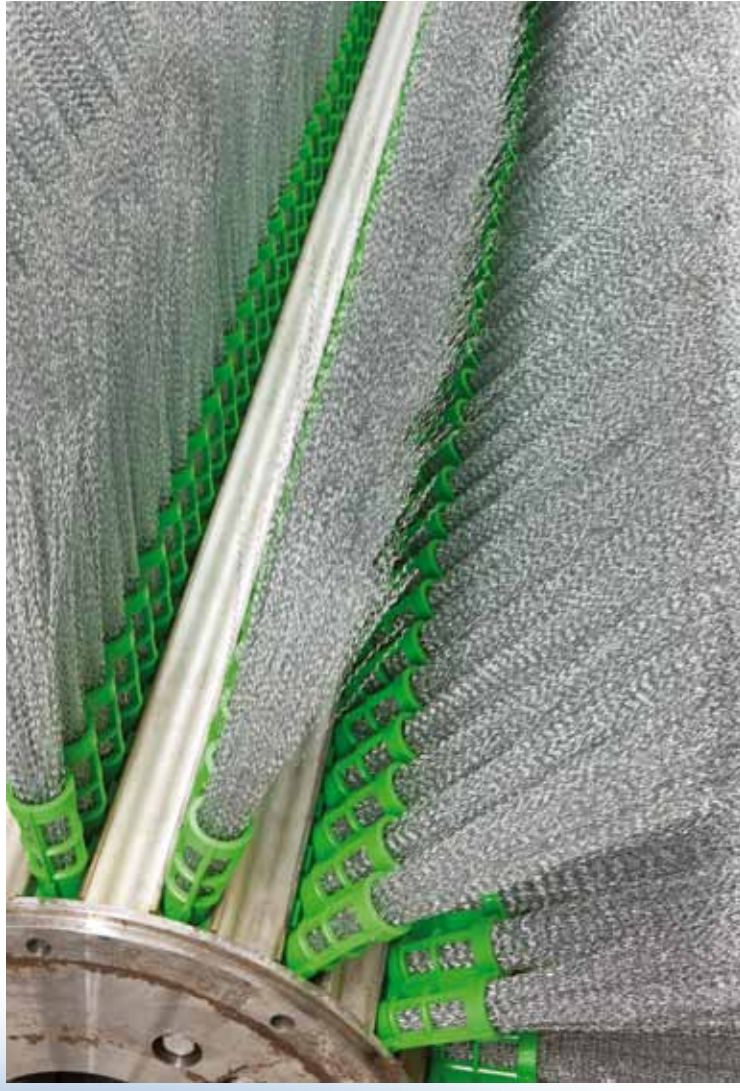
These cassettes are suitable for brush cores up to 7 meters.

*Other dimensions possible on request.



AIRPORT RUNWAY CLEANING





BRUSH CASSETTES

KOTI TIPS & ADVICE

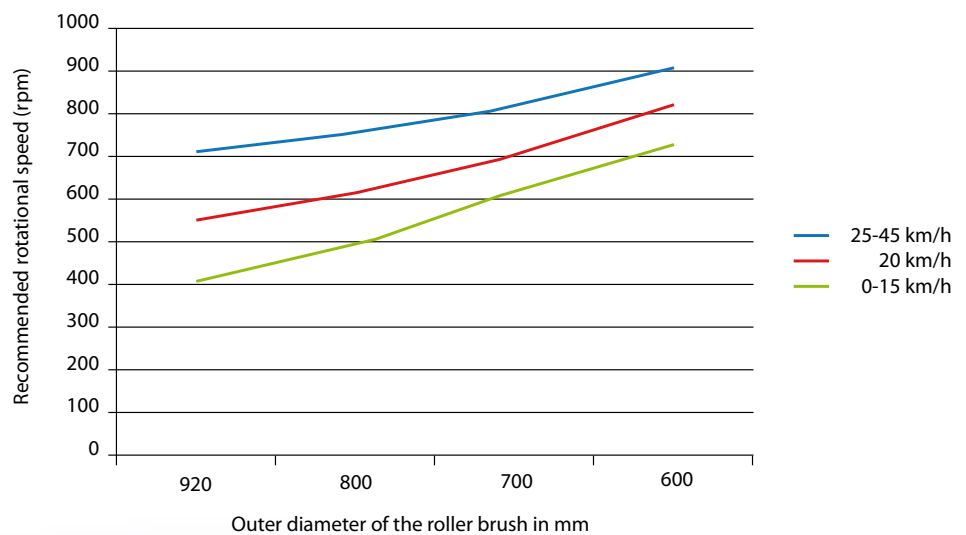
Here you can find information which can help you improve the use of our brushes.

Optimal Sweeping Function

One of our advantages is the prolonged life span of the brushes. One reason is the use of high-quality materials. But a good optimisation between driving speed, rotational speed of the brush core and brush diameter also plays an important role.

When these three aspects are adjusted correctly to one another, the bristles of the brush will receive less friction and therefore the brush will wear less. This of course results in to a longer life span and more cost-effectiveness!

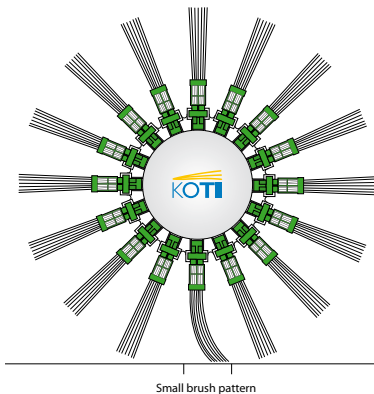
KOTI Optimal sweeping function



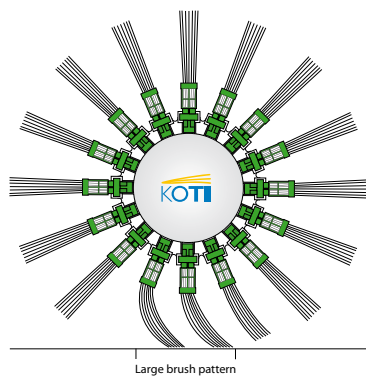
Optimal Sweeping Pattern

The optimal sweeping pattern is when the tip of the bristles is just in contact with the ground. Also depending on the snow type, the brush pattern has to be adjusted. When light snow falls the tip of the bristles is sufficient for sweeping. However when heavy snow falls the bristles have to work harder and therefore the brush pattern has to be enlarged.

Optimal brush pattern for dry sweeping and light snow up to a width 100 mm.



Optimal brush pattern for light to wet snow with a width from 100 to 120 mm.



Brush Assembly

It is also important that the cassettes of the roller brush are assembled tightly together, so that the core is completely filled.

This will also result in a longer life span.



BRUSH RINGS – WAVE RING

KOTI has a special type of brush ring: the Wave Ring. This brush ring is made out of synthetic materials and has a unique shape.

Thanks to this shape the rings can be easily assembled in to a roller brush.

The roller brush can then be used for removing leaves, snow, ice and other objects, such as rubber from tires, from large surfaces, car parks and runways.

Advantages

- Easy assembly thanks to the connecting “waves”;
- Optimal sweeping function;
- Most common diameters and dimensions available from stock.

Filling material

- PP: 0.70 mm or 1.50 – 2.30 mm
- PBT

Dimensions*

- 128 x 380 – 400 – 450 – 500 mm
- 176 x 500 – 600 – 700 – 900 mm
- 254 x 700 – 750 – 800 mm

*Other dimensions possible on request.



BRUSH RINGS & ROLLER BRUSHES

Roller brushes made up of brush rings and tufted roller brushes are one of our many specialties.

These brushes can be used for removing leaves, snow, ice and other objects, such as rubber from tires, from large surfaces, car parks and runways.

Advantages

- Optimal flexibility in the brush filling;
- Large choice of filling material;
- Most common diameters and dimensions available from stock.

Filling material

- PP: 0.70 mm or 1.50 – 2.30 mm
- Waved steel: 0.70 mm
- PBT
- Synthetic and steel fibres mixed

Tufted Ring - Dimensions*

Advantage: No spacer rings are needed!

Width 50 mm

- 76 x 300 – 360 – 700 mm
- 110 x 300 – 350 – 400 mm
- 128 x 380 – 400 – 450 – 500 mm
- 176 x 500 – 600 – 700 – 900 mm

Tufted Roller Brush – Dimensions*

Consisting of 1 or 2 parts (square bore)

- 300 x 750 – 900 mm
- 400 x 400 – 500 – 600 – 750 mm

*Other dimensions possible on request.





**KOTI INDUSTRIEEL EN TECHNISCH
BORSTELWERK BV**

Postbus 240
NL - 6000 AE Weert
Nederland
Tel: +31 495 880 880
Fax: +31 495 880 890
info@koti-eu.com

**KOTI-NABO INDUSTRIEEL EN TECHNISCH
BORSTELWERK NV**

Bedrijfsstraat 3
BE - 3930 Hamont-Achel
België
Tel: +32 11 44 65 51
Fax: +32 11 44 86 60
info.be@koti-eu.com

**KOTI-DAWSON
BRUSHES LTD**

Clayton Wood Rise
West Park Ring Road
UK - Leeds LS16 6RH
United Kingdom
Tel: +44 113 275 9321
Fax: +44 113 275 2761
enquiry@dawsonbrush.co.uk

**KOTI-TRIBOLLET BROSSES
INDUSTRIELLES ET TECHNIQUES SAS**

Chemin de Charolles
ZAC Actinove
FR - 01120 Thil
France
Tel: +33 4 78 55 45 51
Fax: +33 4 78 55 45 61
info@tribollet.com

**KOTI BÜRSTENFABRIK FÜR TECHNIK UND
INDUSTRIE GMBH**

Dietkircher Strasse 1
Dietkircherstraße 3
DE - 65552 Limburg-Eschhofen
Deutschland
Tel: +49 6431 72027
Fax: +49 6431 74787
info.de@koti-eu.com

KOTI-KOBRA BÜRSTEN GMBH

Gruberstraße 4
AT - 4641 Steinhaus bei Wels
Österreich
Tel: +43 7242 45426-0
Fax: +43 7242 45426-22
office@kobra.at