

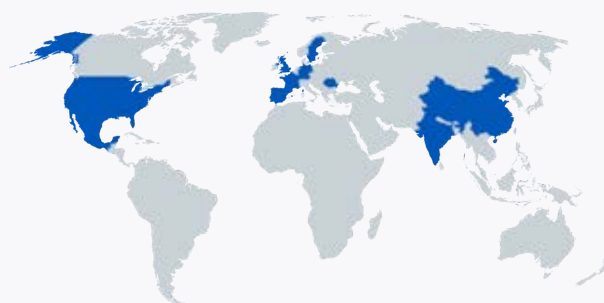


# Product Catalogue

2024/2025



**Osborn  
worldwide.**



Osborn offers the best solutions for your mechanical surface treatment challenges. Our experts are highly trained to serve you with the best off-the-shelf or customized tools, when and where you need them. Unlike others, we help you optimize your process, meet the highest quality and safety requirements and reduce your costs.

General Information .....	4
Power Tools .....	7
Industrial Brushes .....	121
Maintenance Tools .....	181
Strip Brushes .....	201
Further information .....	205
SKU Index .....	206

## Optimal Processes. High Quality.



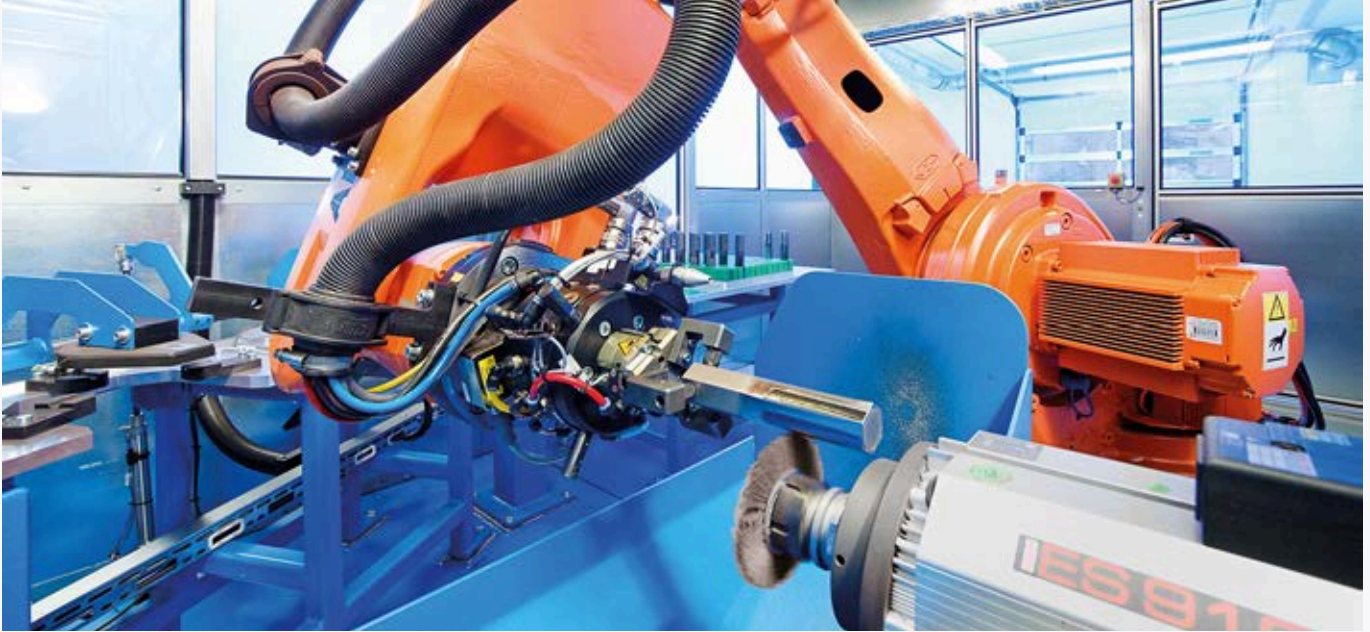
### Modern Production

Our production systems represent the central element in manufacturing our premium products. We are not only able to produce large volumes and custom products, we can offer them first and foremost with constantly high quality. We have invested considerably in our production facilities in Burgwald. We have modernised the machinery and automated many areas.

At our other sites, we are also active in optimising our production processes. The production systems for our polishing buffs in Portugal, in the heart of the European textile industry, were recently equipped with new machines. An automated filling system has been added to our polishing compound plant in Haan. Furthermore, our production site in Romania has been extended with additional installations.



## Always One Step Ahead. Research and Development.



Test robot in Burgwald/Germany

Passionate dedication to innovation is important to us. Our aim is to help you every day so that you are able to complete your work better, quicker and more professionally.

So we are testing and optimising existing products in our portfolio in regard to quality, operating behaviour and safety. The findings of our research flow directly into our products and their production processes. A higher quality raw material, different wire knotting, a different abrasive grit, an adapted filament density or a new type of manufacturing process - there are many ways to improve products.

The same also applies for optimising our polishing buffs and compounds. Changing a single parameter brings with it a number of new possibilities. The skill is finding the promising changes and channelling them into volume production after the successful conclusion of all testing.

We are also working on new products and application solutions. Specially developed robots in our test labs in Europe and the US are assisting us. They provide accurate measurement results and guarantee that different tests are always conducted using the same parameters and under identical conditions.



### A strong partner

We offer our industrial customers a professional service for parts and sample processing and will be glad to help out if you are on the lookout for the perfect tool for your special finishing or machining process. You receive a detailed report with technical documentation on the sample parts processed, on the basis of which you are able to make the correct tool selection in consideration of the cost, life and processing time criteria.

Talk to us: [service@osborn.de](mailto:service@osborn.de)

## Logistics.

### Always Delivered Quickly.



For us to be able to deliver orders quickly anywhere in the world, we have two advanced logistics warehouses with the corresponding infrastructure, and automated warehousing.



**nexMart**

#### Easy ordering around the clock

Speedy response and delivery times represent an elementary part of a modern service/customer relationship.

As a retailer, you can order our products using nexMart. It offers the full convenience of an online ordering platform and is now available in many European countries. NexMart is the biggest information source in the industry and allows full order functionality on its platform – whenever and wherever you need it.



#### AEO Certified.

##### For a reliable supply chain

We are granted the status “Authorized Economic Operator (AEO)”. This is a standard adopted on European level with the goal of rendering possible reliable, end-to-end, international supply chains. The prerequisite for holding the “Authorized Economic Operator” certificate is conformance to special criteria, defined by the customs authorities, in regard to reliability, financial solvency, abiding by legal regulations and meeting safety standards.

The holder of a certificate is regarded as particularly reliable and is granted eased access to legal customs simplifications, accelerated permit procedures and ease in security-related customs checks. The certificates are valid in all EU member states.

You benefit from the fact that higher priority is generally attached to our goods when checks are performed and they are processed quickly. This means shipping delays due to inspections can be minimised greatly.



The background of the page is a solid blue color. Overlaid on this background are two main visual elements: a pine branch with needles, which is positioned diagonally from the bottom left towards the center, and a large, faint, circular pattern that resembles a target or a stylized eye, located in the upper right quadrant.

# Power Tools

Angle Grinders .....	13
Power Drills .....	51
High Speed Machines .....	73
Burnishing Machines .....	91
Stationary Machines .....	97

### Technical Information & Safety Instructions for Brushes.



#### Working and clamping width of a brush

The working width defines the contact surface between brush and workpiece. To measure the working width, gently press together the trim area. The clamping width is measured between the cover plates. For products without cover plates, the clamping width corresponds to the body width.



#### Working and safety speeds

The maximum safety speed must be observed in line with workplace safety requirements. Information is in the product overview in this catalogue, on the packaging and on the brush itself (see picture). The working speed is defined by factors circumferential speed and brush diameter. The optimum working speed is generally far below the safety speed.



#### Brush diameter and trim length

The diameter of the brush (body of the brush) and the length of the respective trim are the determining factors for the working characteristics of the brush. Generally applicable:

- **Soft, flexible brushes,**  
e.g. for working with textured workpieces and for gentle surface finishing.
- **More aggressive brushes,**  
e.g. for deburring or removing dirt.



#### Optimal positioning of the brush in relation to the workpiece

One of the factors defining the contact pressure of a brush is its penetration depth at the workpiece. Never press a brush into the workpiece and only work with the tips of the filament. Excessive contact pressure lowers the brush performance and expedites wear. For manually operated machines, the recommendation is to only work with the weight of the machine. For an abrasive trim, a filament diameter of 3 times applies, e.g. 1.0 mm penetration depth for a filament diameter of 0.35 mm.

We will be glad to help out if you have questions.



#### Filament density of brushes

The filament density is determined by the number of filament tips per surface unit. High filament densities optimise cutting performance and useful lives (for deburring work for example). Lower filament densities increase the flexibility of the brushes and are the prerequisite for processing strongly profiled surfaces.



For efficient and safe deployment, always select the maximum possible brush diameter that can be fitted on the drive unit.

Because the circumferential speed is defined by the brush diameter, as mentioned before under working speeds, the performance of a brush can also be changed with this factor.

The following table provides an overview:

#### Remember the following before fitting a brush:

- The speed of the drive shaft of your machine must not exceed the maximum safety speed of the brush.
- The length of the drive shaft must fit firmly in the chuck.
- Brushes with clamp shaft can easily be fitted into standard drill chucks or collet chucks.
- The connecting threads of brushes have spanner flats, guaranteeing easy fitting and removal.

RPM min-1	Brush diameters (in mm)											
	20	40	50	80	100	125	150	180	200	250	300	350
800				3.35	4.19	5.23	6.28	7.53	8.37	10.47	12.56	14.75
900			2.35	3.77	4.71	5.88	7.06	8.48	9.41	11.77	14.12	16.47
1,150			3.01	4.81	6.01	7.52	9.02	10.83	12.03	15.04	18.04	21.04
1,200	1.25	2.51	3.14	5.02	6.28	7.85	9.41	11.30	12.55	15.69	18.83	21.97
1,400	1.46	2.93	3.66	5.86	7.32	9.15	10.98	13.18	14.64	18.31	21.97	25.63
1,500	1.57	3.14	3.92	6.28	7.85	9.81	11.77	14.13	15.69	19.61	23.54	27.46
1,800	1.88	3.77	4.71	7.54	9.41	11.77	14.12	16.95	18.83	23.54	28.24	32.95
2,000	2.09	4.19	5.23	8.37	10.26	13.08	15.69	18.84	20.92	26.15	31.38	36.61
2,500	2.62	5.23	6.54	10.47	13.08	16.35	19.61	23.55	26.15	32.67	39.23	45.76
2,800	2.93	5.86	7.32	11.72	14.64	18.31	21.97	26.37	29.29	36.61	43.93	51.25
3,000	3.14	6.28	7.85	12.56	15.69	19.62	23.54	28.26	31.38	39.23	47.07	54.92
3,200	3.35	6.70	8.37	13.40	16.74	20.92	25.10	30.14	33.47	41.84	50.12	58.58
3,500	3.66	7.33	9.15	14.65	18.31	22.89	27.46	32.97	36.61	45.76	54.92	64.07
4,000	4.19	8.37	10.46	16.75	20.92	26.16	31.38	37.68	41.84	52.33	62.76	73.22
4,500	4.70	9.42	11.77	18.84	23.54	29.43	35.30	42.40	47.07	58.84	70.61	82.43
5,000	5.23	10.47	13.08	20.93	26.15	32.70	39.23	47.10	52.33	65.38	78.50	
5,400	5.65	11.30	14.12	22.94	28.24	35.31	42.36	50.67	56.48	70.61	84.78	
6,000	6.28	12.56	15.69	25.12	31.38	39.24	47.07	56.52	62.76	78.50		
7,000	7.33	14.66	18.31	29.31	36.61	45.78	54.92	65.94	73.22	91.58		
8,000	8.37	16.75	20.92	33.94	41.48	52.32	62.76	75.36	83.73			
9,000	9.42	18.84	23.54	37.68	47.07	58.86	70.61	84.78	94.20			
10,000	10.47	20.93	26.17	41.86	52.33	65.40	78.50	94.20				
12,500	13.08	26.17	32.71	52.33	65.42	81.75	98.13					
15,000	15.70	31.40	39.25	62.80								
17,500	18.32	36.63	45.79	73.26								
20,000	20.93	41.87	52.33	83.73								
22,500	23.55	47.10	58.88	94.20								
25,000	26.17	52.33	65.42	104.66								

### Fill Materials. Types and Usage.

For our tools, we only use filling materials developed in our house or selected specially. Regular quality tests in our R&D labs guarantee highest material quality at all times. Below you find pictures of all the facing materials used for the tools in this catalogue. The table shows the properties of all fill materials used by Osborn.



**Steel wire**



**Stainless steel wire**



**Osborn special steel wire**



**Cordwire**



**Brass-coated steel wire**



**Brass wire**

Material	Property	Additional Properties	Benefits	Used on
Steel wire	straight or flat	Most common trim material for brushes	<ul style="list-style-type: none"> <li>Dimensionally stable</li> <li>Diversity of applications</li> </ul>	Steel, cast iron, softwood, hardwood
	crimped			Steel, cast steel
	knotted			
Stainless steel wire	straight	Standard alloys: 1.4310 and 1.4401 (1.4571 on request)	<ul style="list-style-type: none"> <li>Usage in particular where residues of steel wires would adversely affect the surface (such as rust spots)</li> </ul>	Stainless steel, non-ferrous metals, aluminium
	crimped			
	knotted			
Osborn special steel wire	straight		<ul style="list-style-type: none"> <li>High-performance wire with high tensile strength</li> <li>Long service life</li> <li>For extreme brush applications</li> </ul>	Steel, cast iron, softwood, hardwood
	crimped			
	knotted			
XTREME wire (steel wire)	stranded		<ul style="list-style-type: none"> <li>Extremely long life</li> <li>Combines the benefits of crimped and knotted wire</li> </ul>	Steel, cast iron, softwood, hardwood
Brass-coated steel wire	Mono wire	stranded	<ul style="list-style-type: none"> <li>High tensile strength</li> </ul>	Steel, cast iron, softwood, hardwood
	Cordwire		<ul style="list-style-type: none"> <li>Particularly well suited to texturing wood</li> </ul>	
Brass wire	crimped			Non-ferrous metals, softwood



Abrasive bristle

Novofil®

Synthetic bristles

Novoflex-B®

Material	Property	Additional Properties	Benefits	Used on
Synthetic bristles	straight		<ul style="list-style-type: none"> <li>■ Abrasion-resistant</li> <li>■ Resistant to weak acids and bases</li> <li>■ Flexible</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
Abrasive bristle	Aluminium oxide	Nylon threads with aluminium oxide; <b>red</b> trim material	<ul style="list-style-type: none"> <li>■ High elasticity without risk of breakage</li> <li>■ Uniform abrasive effect</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium, wood
	Silicone carbide	Nylon threads with silicone carbide; <b>blue</b> trim material.	<ul style="list-style-type: none"> <li>■ High elasticity without risk of breakage</li> <li>■ Uniform abrasive effect</li> </ul>	
	Ceramic, sintered twice	Aluminium oxide sintered twice; available in different hardness grades, light grey trim material	<ul style="list-style-type: none"> <li>■ Particularly hard and aggressive abrasive grit</li> <li>■ The abrasive grit released during brushing has a better breaking edge and makes possible faster, more efficient deburring</li> <li>■ Perfect results through uniform, homogeneous abrasive effect</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
Novofil®	round	High temperature resistance; available with different hardness, grit and filament thicknesses; abrasive can be made of chromium oxide, silicone carbide, aluminium oxide, zirconium, diamond or nylon resistant to extreme heat.	<ul style="list-style-type: none"> <li>■ High flexibility and trim density, prolonged life</li> <li>■ For working with workpieces particular high in contours</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
	flat		<ul style="list-style-type: none"> <li>■ Very high abrasive grit content, higher removal rate (approx. 50% lower processing time)</li> <li>■ Ideal for honing</li> </ul>	
Novoflex-B®	spherical	Trim material with aluminium oxide, zirconium or silicone carbide; grit sizes from 60 to 400 possible	<ul style="list-style-type: none"> <li>■ Abrasive beads on flexible design</li> <li>■ Tool is self-centring</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium, alloy



Fibre

Horse hair

Material	Property	Additional Properties	Benefits	Used on
Fibre		Pure plant fibre	<ul style="list-style-type: none"><li>■ For wet and dry application</li><li>■ Heat-resistant</li><li>■ Also suitable for polishing in conjunction with polishing compound</li></ul>	All materials
Horse hair		Pure horse hair	<ul style="list-style-type: none"><li>■ Excellent sealing properties</li></ul>	



## Angle Grinders

Wheel Brushes .....	16
Cup Brushes .....	23
Bevel Brushes .....	32
Tools for Cordless Machines .....	36
Coarse Cleaning Fleece .....	40
Flap Discs for Grinding .....	41
Flap Discs for Polishing .....	46
Accessoires .....	49

## Brushes for Angle Grinders. Important user information.

### Determining the maximum working speed

The maximum working speed of a brush is dependent on its diameter. The wider the diameter of a brush, the lower the maximum working speed. The maximum working speed has a relevance to safety. It must never be exceeded. This information is on the brush itself. Additionally you will find below an aid for the most popular angle grinder sizes with their maximum speeds.

Angle grinder size (mm)	115	125	150	180	230
Angle grinder size (in)	4 1/2"	5"	6"	7"	9"
Max. working speed	12,500 min <sup>-1</sup>	12,500 min <sup>-1</sup>	8,500 min <sup>-1</sup>	8,500 min <sup>-1</sup>	6,500 min <sup>-1</sup>

### Which brush is used on which angle grinder?



Not every brush can be fitted to every angle grinder. There are safety specifications for this too. To get the best out of your device and brush, please use the angle grinder sizes specified here for the respective brush (refer to the table).

Important: You must on no account use a smaller angle grinder size than specified here. For our retail packs, the suitable angle grinder size is generally on the packaging itself, with symbol.

Brush	Filament	Brush diameter in mm													
		60	65	75	80	90	100	115	120	125	130	140	150	178	230
Wheel brush	knotted						115	115		125			150	180	230
	crimped						115	115							
	abrasive										150*	150*			
Bevel brush	knotted						115	115		125					
	crimped						115	115							
	abrasive						115*	115/125							
Cup brush	knotted		115/125	125	150		180		230						
	crimped	115/125		125	150		150/180			230			230		
	abrasive		115/125				150*								

\*variable speed angle grinders or cordless angle grinders

## Product Advice for Weld Seam Cleaning

MMA, TIG/MIG/MAG and plasma welding techniques leave different debris and inclusions on the surface of the weld seam. Slag, spatters, silicates and blue discolouring must be removed. If the welded part is not optimally cleaned, faults/defects in the coating and corrosion can occur in the area of the inclusions.

Osborn can offer you the right cleaning tool for every welding technique and type of seam treated (root and closure welds, fill layers). In the product range for this work, we have brushes as well as roughing, flap and polishing flap discs, coarse cleaning fleeces, and carbide cutters.

### MMA



#### Slag

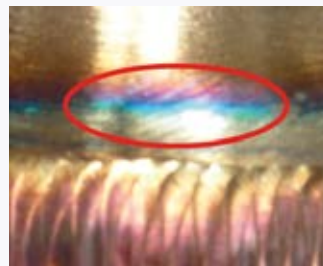
Residue formed when the electrodes wear. Use coarsely knotted wires with a diameter of 0.50 - 0.80 mm to remove slag.



#### Spatters

Abrasive discs are required to grind off these residues.

### TIG, MIG, MAG, Plasma



#### Blue discolouration

Oxide deposits, formed mainly when welding stainless steel. Crimped fine stainless steel wires with a diameter of 0.20 - 0.30 mm are ideal for removing blue discolouration.



#### Silicates

They form when silicone, present in most steel alloys, is burnt during the welding process and turn to silicone dioxide. Use a medium wire with a diameter of 0.35 - 0.50 mm to remove silicates.



### Treatment of Weld Seams. When to use what.

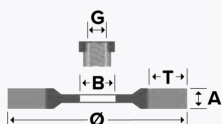
Our practical welding matrix shows you the right tool for every application.

[www.osborn.com/en/service/catalogues](http://www.osborn.com/en/service/catalogues)





Appearance can vary from picture depending on variant.



EUPBWB001 | SUPERIOR ★★☆☆☆

## Wheel brushes, knotted wire

**Knotted wheel brush, industrial quality, for general use on all common angle grinders.**

- Aggressive and speedy cleaning; all wire tips are in use at the same time
- Long service life
- TÜV-Süd certified (safety tested, production monitored)
- Available in diverse specifications with arbor hole or thread M14

**Application:** For roughing, deburring and simple rust removal work.



Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

**Accessories available:** Reducing Ring "HP-Adapter". More on page 49



Ø	A	T	B	G	Adapt.	RPM max.	PKG.		Steel 0.35	Steel 0.50	Steel 0.80
75	12	15	13			20000		12	● 0002-611 131	● 0002-611 151	
100	12	20	22.2		HP	12500	POS Box	8	● 0002-621 131	● 0002-621 151	
115	6	19	22.2			12000	POS Box	10	● 9502-626 301	● 9502-626 501	
115	12	12	22.2		HP	12500	POS Box	10	● 0002-631 131		
115	12	22	22.2		HP	12500	POS Box	10		● 0002-631 151	
115	12	23		M14		12500	POS Box	6	● 0402-631 131	● 0402-631 151	
125	6	24	22.2			12000	POS Box	8	● 9502-626 311	● 9502-626 251	
125	13	28		M14		12500	POS Box	8	● 1402-631 131	● 1402-631 151	
125	13	28	22.2		HP	12500	POS Box	8	● 6152-631 131	● 2202-631 151	
150	13	37	22.2		HP	12000	POS Box	5	● 0002-641 131	● 0002-641 151	● 0002-641 181
178	6	38	22.2			12000		12	● 4602-626 131		
178	13	42	22.2		HP	10000	POS Box	6	● 0002-653 131	● 0002-653 151	● 0002-653 181
230	6	57	22.2			12000	POS Box	1		● 4306-026 904	
230	13	58	22.2		HP	8500	POS Box	1		● 9502-664 151	

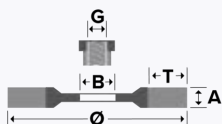
more on next page →



Ø	A	T	B	G	Adapt.	RPM max.	PKG.		Stainless Steel 0.35	Stainless Steel 0.50	
100	12	20	22.2		HP	12500	POS Box	4		● 0002-621 351	
115	12	22		M14		12500	POS Box	4	● 0402-631 331		
115	12	23		M14		12500	POS Box	4		● 0402-631 351	
115	12	23	22.2		HP	12500	POS Box	4	● 0002-631 331	● 0002-631 351	
125	6	24	22.2			12000	POS Box	3		● 9502-626 651	
125	13	26		M14		12500	POS Box	3		● 1402-631 351	
125	13	27.5	22.2		HP	12500	POS Box	3		● 2202-631 351	
125	13	28		M14		12500	POS Box	3	● 1402-631 331		
125	13	28	22.2		HP	12500	POS Box	3	● 2202-631 331		
150	13	37	22.2		HP	12000	POS Box	3		● 0002-641 351	
178	6	38	22.2		HP	12000		12	● 4612-626 331		
178	13	42	22.2		HP	10000	POS Box	3		● 0002-653 351	



Appearance can vary from picture depending on variant.



EUPBWB002 | PERFECT ★★☆☆☆

## Wheel brushes, knotted wire

**Knotted wheel brush, quality craftsman quality, for general use on all common angle grinders.**

- Speedy cleaning
- Satisfactory removal rate
- Suitable for many DIY projects

**Application:** For simple deburring and cleaning work.



Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

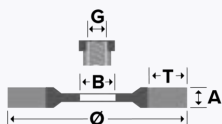
**Accessories available:** Reducing Ring "HP-Adapter". More on page 49



Ø	A	T	B	RPM max.	PKG.		Steel 0.50
115	10	20	22.2	12500	POS PET	10	● 2008-631 151
125	12	27	22.2	12500	POS PET	12	● 2118-631 151



Appearance can vary from picture depending on variant.



EUPBWB003 | SUPERIOR ★★☆☆☆

## Wheel brushes, knotted wire

**Knotted wheel brush with special left/right knotting, industrial quality, for simple fitting on all common angle grinders.**

- Low-vibration and quiet operation
- Prolonged life and high removal rate
- “untwisting” of the knots during use is minimised
- Reduced kick-back
- TÜV-Süd certified (safety tested, production monitored)

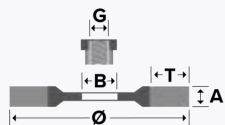
**Application:** Deburring, cleaning of weld seams (slag, silicates, blue discolouring), removal of stubborn rust deposits.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	B	RPM max.	PKG.		Steel 0.35	Steel 0.50
115	12	23	22.2	12500	POS Box	10	● 1202-631 131	● 1202-631 151
125	13	28	22.2	12500	POS Box	8	● 1212-631 131	● 1212-631 151
178	13	42	22.2	10000	POS Box	6	● 1202-653 131	● 1202-653 151



Appearance can vary from picture depending on variant.



EUPBWB004 | EVOLUTION ★★★★★

## Wheel brushes, knotted Osborn wire


**Knotted wheel brush, high-end quality, for simple fitting on all common angle grinders.**

- High-performance wire developed by Osborn
- Particularly cost-effective
- Long life, high tensile strength, high breaking strain and short set-up times
- Wire ensures the brush is worn uniformly

**Application:** Deburring, cleaning of weld seams (slag, silicates, blue discolouring), removal of stubborn rust deposits.

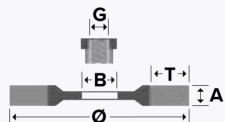


Accessories available: Reducing Ring "HP-Adapter". More on page 49

Ø	A	T	B	G	Adapt.	RPM max.		Steel 0.35	Steel 0.50	Stainless Steel 0.50
75	13	17	12.7			20000	12	● 9906-026 011		
100	13	22	15.88			18000	12	● 9906-026 116		
100	13	22	15.88		HP	18000	12		● 9906-026 117	
115	6	19	22.2		HP	12500	12		● 2906-026 501	● 0002-626 650
125	6	24	22.2		HP	12000	12		● 0002-626 251	● 0002-626 651
150	6	38		M14		12000	10		● 9906-026 500	
150	6	38	22.2		HP	12000	12		● 9906-026 501	
150	25	38	22.2			12000	12	● 9906-026 247		
165	6	29	22.2		HP	10000	12		● 0002-626 061	
171	6	29	22.2		HP	12000	12		● 9706-026 904	
178	6	38	22.2		HP	12000	12		● 9906-026 051	



Appearance can vary from picture depending on variant.



EUPBWB005 | EVOLUTION ★★★★★

### Wheel brushes, knotted Osborn wire, plastic-bonded

**Plastic bonded, knotted wheel brush, high-end quality.**

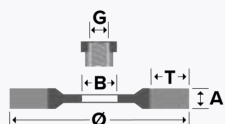
- Reduced wire breakage due to plastic bonding
- Very long service life
- More aggressive cleaning effect than conventional wheel brushes

**Application:** Removal of slag and silicates, suitable for root welds and fill layers, recommended for hand-welded joints with high levels of dirt.

Ø	A	T	B	RPM max.		Steel 0.50
115	6	19	22.2	12000	10	● 5402-921 873
125	6	24	22.2	12000	10	● 9802-921 873
178	6	38	22.2	8500	12	● 9802-921 875



Appearance can vary from picture depending on variant.



EUPBWB006 | EVOLUTION ★★★★★

### Wheel brushes, crimped wire, plastic-bonded

**Plastic-bonded, crimped wheel brush, high-end quality.**

- Particularly narrow design for tight joints
- Precision working
- Reduced wire breakage due to plastic bonding
- Lower applied force, lower contact pressure

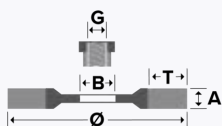
**Application:** Removal of silicate and weld residues, recommended for root seams welded using TIG/MIG/MAG.

Ø	A	T	B	G	RPM max.		Brass Coated Steel 0.38
125	5	32.5		M14	12000	12	● 4102-921 051
152.4	5	29	22.23		8500	12	● 0002-921 874
178	3	41	22.23		8500	1	● 7702-921 875
178	5	41	22.23		8500	12	● 0002-921 875





Appearance can vary from picture depending on variant.



EUPBWB007 | SUPERIOR ★★★★★

## Wheel brushes, stranded, crimped wire

Wheel brush with Cordwire for angle grinders with M14 thread.

- Brass-coated, stranded steel wire
- Effective woodworking, high friction on soft and hardwood
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Excellently suited to texturing wood. The natural grain of the wood is emphasized and an antique or rustic effect is created. The filaments of the brush reach the softer places of the wood more than the hard ones. So they expose the wood grain and leave a sort of relief surface.

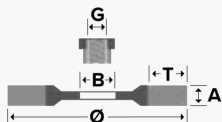


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	RPM max.	PKG.		Brass Coated Steel 0.27
115	12	27.5	M14	12500	POS Box	6	● 2812-522 051



Appearance can vary from picture depending on variant.



EUPBWB008 | SUPERIOR ★★★★★

## Wheel brushes, abrasive filament

Wheel brush for woodworking, with abrasive trim.

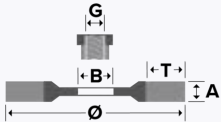
- Suited well to following exactly the material direction for texturing and finishing of wood profiles
- Varying surface patterns possible depending on grit selected
- The low weight of the plastic body ensures it is easy to guide and that work is effortless

**Application:** Removal of lacquer and pickling, cleaning, texturing, finishing and intermediate lacquer sanding.

Ø	A	T	G	RPM max.		Novofil NN-S 46	Novofil NN-S 60	Novofil NN-S 80
140	55	30	M14	4500	6	● 5421-401 913	● 5411-401 913	● 5401-401 913



Appearance can vary from picture depending on variant.



EUPBWB042

## Wheel brushes, crimped wire

Wheel brush with crimped wire for use on angle grinders with M14 thread.

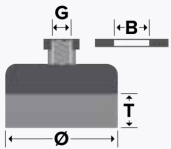
- Lightweight version for good handling on angle grinders
- Generates fine surface finish
- Trimming adapts well to workpiece shape / contour

**Application:** Metalworking: derusting, cleaning and paint removal applications, woodworking: structuring

Ø	T	A	G	RPM max.		Steel 0.30	Stainless Steel 0.30
115	25	12	M14	11000	1		● 5908-532 361
115	25	12	M14	11000	60	● 5708-532 161	
125	25	16	M14	11000	1	● 3508-532 161	● 3608-532 361



Appearance can vary from picture depending on variant.



EUPBCB001 | SUPERIOR ★★☆☆☆

## Cup brushes, knotted wire

**Knotted cup brush, industrial quality, for use on angle grinders.**

- General-purpose talent, Osborn bestseller
- Impressive cleaning effect
- Solution of choice for cleaning large surfaces
- Long service life, low set-up costs/time
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring.

**3892-608 131** extra long Trim



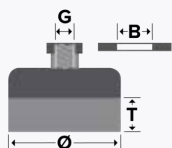
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	B	G	RPM max.	PKG.		Steel 0.35	Steel 0.50
65	20		M10X1,5	12500	POS Box	10	● 0102-608 131	● 0102-608 151
65	20		M10X1,25	12500	POS Box	10	● 2352-608 131	● 2352-608 151
65	20		M14	12500	POS Box	10	● 0002-608 131	● 0002-608 151
65	20	16		12500	POS Box	10	● 1602-608 131	● 1602-608 151
65	30		M14	12500		10	● 3892-608 131	

Ø	T	B	G	RPM max.	PKG.		Stainless Steel 0.35	Stainless Steel 0.50
65	20		M10X1,5	12500	POS Box	6	● 0102-608 331	● 0102-608 351
65	20		M10X1,25	12500	POS Box	6	● 2352-608 331	
65	20		M14	12500	POS Box	6	● 0002-608 331	● 0002-608 351
65	20	16		12500	POS Box	6	● 1602-608 331	



Appearance can vary from picture depending on variant.



EUPBCB002 | SUPERIOR ★★★★★

## Cup brushes, knotted wire

**Knotted cup brush, industrial quality, for use on angle grinders.**

- Long life, low set-up costs / short set-up times
- Impressive cleaning effect
- Solution of choice for cleaning large surfaces
- Additional stabilisation of the trimming by the support ring
- Support ring is easy to remove. Afterwards the left trim length is useable

**Application:** Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring.



Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.



### Did you know?

The support ring is there to stabilise the fill material. After the free filament has worn down, the support ring can be removed, enabling to continue work with the filament material available.

Scan the QR code for video instructions or visit our YouTube channel.

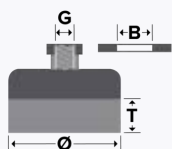


Ø	T	G	RPM max.	PKG.		Steel 0.35	Steel 0.50	Steel 0.80
75	20	M14	11000	POS Box	10	● 9908-608 132	● 9908-608 152	
80	20	5/8"	8500	POS Box	6	● 0802-608 133	● 0802-608 153	● 0802-608 183
80	20	M14	8500	POS Box	6	● 0002-608 133	● 0002-608 153	● 0002-608 183
100	20	5/8"	8500	POS Box	3	● 0802-608 134	● 0802-608 154	● 0802-608 184
100	20	M14	8500	POS Box	3	● 0002-608 134	● 0002-608 154	● 0002-608 184
120	20	5/8"	6500	POS Box	4	● 0802-608 135	● 0802-608 155	● 0802-608 185
120	20	M14	6500	POS Box	4	● 0002-608 135	● 0002-608 155	● 0002-608 185

Ø	T	G	RPM max.	PKG.		Stainless Steel 0.35	Stainless Steel 0.50	
80	20	M14	8500	POS Box	3	● 0002-608 333	● 0002-608 353	
100	20	M14	8500	POS Box	3	● 0002-608 334	● 0002-608 354	



Appearance can vary from picture depending on variant.



EUPBCB003 | EVOLUTION ★★★★★

## Cup brushes, knotted wire

**Knotted cup brush, high-end quality, for use on angle grinders.**

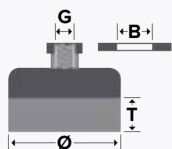
- High-performance wire developed by Osborn
- Particularly cost-effective
- Long life, high tensile strength, high breaking strain and short set-up times
- Special feature: individual knot ends are slightly open, so that the wire tips are in use immediately and directly
- Higher removal rate, aggressive cleaning performance

**Application:** Paint/rust removal, deburring, descaling, removal of slag, silicate residues and blue discolouration, cleaning of fill layers and surfaces in the oil and gas industries.

Ø	T	G		Steel 0.50
90	32	5/8"	6	● 9906-033 126
90	32	M14	6	● 9906-033 125



Appearance can vary from picture depending on variant.



EUPBCB004 | PERFECT ★★☆☆☆

## Cup brushes, knotted wire

**Knotted cup brush, craftsman quality, for use on angle grinders.**

- Osborn bestseller in the DIY sector
- Good cleaning performance
- Best price/performance ratio
- Easy cleaning of larger areas

**Application:** Paint/rust removal, removal of slag.

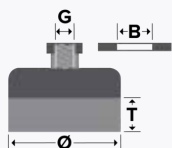


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	RPM max.	PKG.		Steel 0.35	Steel 0.50
65	20	M14	12500	POS PET	10	● 2008-608 131	● 2008-608 151
75	27	M14	11000	POS PET	10		● 2008-608 152
80	22	M14	8500	POS PET	10		● 2008-608 153
100	22	M14	8500	POS PET	5		● 2008-608 154



Appearance can vary from picture depending on variant.



EUPBCB005 | SUPERIOR ★★☆☆☆

## Cup brushes, crimped wire

**Crimped cup brush, industrial quality, for use on angle grinders.**

- Flexible trim material that adapts perfectly to the workpiece contour
- The optimum angle for the brush to operate at is already specified by the trim shape of the brush
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Cleaning, removal of paint, rust, slag, blue discolouration.



Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

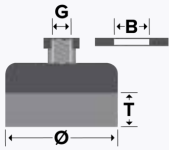
Ø	T	G	B	RPM max.	PKG.		Steel 0.20	Steel 0.30
60	21	M10X1,5		12500	POS Box	10		● 0102-613 161
60	21	M14		12500	POS Box	10	● 0002-613 141	● 0002-613 161
75	23		16	12500	POS Box	10		● 1602-613 162
75	23	5/8"		12500	POS Box	10	● 0802-613 142	● 0802-613 162
75	23	M10X1,5		12500	POS Box	10	● 0102-613 142	● 0102-613 162
75	23	M10X1,25		12500	POS Box	10	● 5652-613 142	
75	23	M14		12500	POS Box	10	● 0002-613 142	
75	25	M14		12500	POS Box	10		● 0002-613 162

Ø	T	G	B	RPM max.	PKG.		Stainless Steel 0.30	Brass 0.30
60	21		16	12500	POS Box	4	● 1602-613 361	
60	21	M10X1,25		12500	POS Box	10		● 4912-613 561
60	21	M14		12500	POS Box	4	● 0002-613 361	
60	21	M14		12500	POS Box	10		● 4902-613 561
75	23	5/8"		12500	POS Box	4	● 0802-613 362	
75	25	M14		12500	POS Box	10	● 0002-613 362	● 4902-613 562





Appearance can vary from picture depending on variant.



EUPBCB006 | SUPERIOR ★★☆☆☆

## Cup brushes, crimped wire

**Crimped cup brush, industrial quality, for use on angle grinders.**

- Flexible trim material that adapts perfectly to the workpiece contour
- The optimum angle for the brush to operate is already specified by the trim shape of the brush
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Cleaning, removal of paint, rust, slag, blue discolouration.



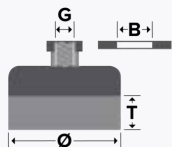
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	RPM max.	PKG.		Steel 0.20	Steel 0.30	Steel 0.50
80	25	M14	8500	POS Box	5	● 0002-613 143	● 0002-613 163	● 0002-613 193
100	30	5/8"	8500	POS Box	3	● 0802-613 144	● 0802-613 164	● 0802-613 194
100	30	M14	8500	POS Box	3	● 0002-613 144		● 0002-613 194
100	30	M14	8500	POS Box	4		● 0002-613 164	
125	30	5/8"	6500	POS Box	4		● 0802-613 165	● 0802-613 195
125	30	M14	6500	POS Box	4	● 0002-613 145	● 0002-613 165	
125	35	M14	6500	POS Box	4			● 0002-613 195
150	40	5/8"	4500	POS Box	3		● 0802-613 166	● 0802-613 196
150	40	M14	4500	POS Box	3	● 0002-613 146	● 0002-613 166	● 0002-613 196

Ø	T	G	RPM max.	PKG.		Stainless Steel 0.30	Brass 0.30	
80	25	5/8"	8500	POS Box	4	● 0802-613 363		
80	25	M14	8500	POS Box	4	● 0002-613 363		
80	25	M14	8500	POS Box	5		● 4902-613 563	
100	25	M14	8500	POS Box	3	● 0002-613 364		
100	30	5/8"	8500	POS Box	3	● 0802-613 364		
125	30	M14	6500	POS Box	2	● 0002-613 365		



Appearance can vary from picture depending on variant.



EUPBCB007 | PERFECT ★★☆☆☆

## Cup brushes, crimped wire

**Crimped cup brush, craftsman quality, for use on angle grinders.**

- Osborn bestseller in the DIY sector
- Flexible trim material that adapts perfectly to the workpiece contour
- Good cleaning performance
- Best price/performance ratio

**Application:** Paint stripping and rust removal from surfaces.

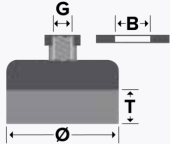


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	RPM max.	PKG.		Steel 0.30	Brass Coated Steel 0.30
60	18	M14	12500	POS PET	10	● 2008-613 161	● 2008-613 061
75	25	M14	12500	POS PET	10	● 2008-613 162	● 2008-613 062
80	25	M14	8500	POS PET	10	● 2008-613 163	● 2008-613 063
100	25	M14	8500	POS PET	5	● 2008-613 164	● 2008-613 064
125	30	M14	6500	POS PET	5	● 2008-613 165	● 2008-613 065



Appearance can vary from picture depending on variant.



EUPBCB008 | XTREME ★★★★★★

## Cup brushes, crimped Xtreme wire

**Crimped cup brush with stranded, special Xtreme wire for use on angle grinders.**

- Four times longer service life than common, crimped cup brushes, Highest removal rate in this segment
- Risks of wire breaks low to none, Ergonomic, low contact pressure necessary
- Effective cleaning performance, Creates a uniform, almost satin surface finish
- Combines the aggressive cleaning performance of knotted brushes with the flexibility of soft, crimped brushes
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Deburring, edge rounding, removal of rust, paint, scales, slag, silicate residues and blue discolouration.

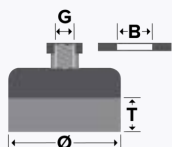


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	RPM max.	PKG.		Steel 0.30
60	20	M14	12500	POS Box	10	● 3902-613 161
75	25	M14	12500	POS Box	10	● 3912-613 163
80	25	M14	12500	POS Box	5	● 3902-613 163
100	22	M14	8500	POS Box	4	● 3902-613 164



Appearance can vary from picture depending on variant.



EUPBCB009 | SUPERIOR ★★☆☆☆

### Cup brushes, arbor hole, abrasive filament

**Cup brush with abrasive trim, industrial quality, for use on angle grinders.**

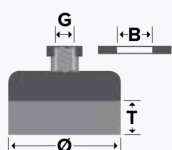
- Powerful high-tech material
- Pinpoint, controlled application on surfaces
- Very flexible trim material; If individual filaments lie flat during use, continue working with the edge nevertheless because the length of the trim material has end-to-end abrasive grit
- Different grits are available for selection: the higher the grit size, the finer the surface pattern

**Application:** Paint removal, deburring and cleaning of metal and wooden surfaces.

Ø	T	B	RPM max.		Novofil NN-S 80	Novofil NN-S 120	Novofil NN-S 180
100	25	22.2	8500	3	● 8812-607 914	● 2312-607 914	● 1802-607 914



Appearance can vary from picture depending on variant.



EUPBCB010 | SUPERIOR ★★☆☆☆

### Punched Disc Brush, abrasive filament

**Punched disc brush with abrasive trim material for woodworking, for use on angle grinders with adjustable speed.**

- For use on large surfaces
- Varying surface pattern possible depending on grit selected
- The low weight of the plastic body ensures it is easy to guide and that work is effortless

**Application:** Particularly well suited for removing lacquer and stains, for cleaning, texturing, finishing and intermediate lacquer sanding.

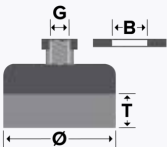
- 9301-614 916** Grit 46 – For creating a depth texture in the wood
- 9311-614 916** Grit 60 – For removing minor to medium levels of dirt, and uniform texturing of the wood
- 9321-614 916** Grit 80 – Preparation before finishing, evens out minor surface irregularities
- 9331-614 916** Grit 120 - Creating the final sanding on the wood surface

A	T	G	RPM max.		Novofil NN-S 46	Novofil NN-S 60	Novofil NN-S 80	Novofil NN-S 120
130	50	M14	2500	4	● 9301-614 916	● 9311-614 916	● 9321-614 916	● 9331-614 916





Appearance can vary from picture depending on variant.



EUPBCB011 | SUPERIOR ★★★★★

## Cup brushes, abrasive filament

**Cup brush with abrasive Novofil® trim material, industrial quality, for use on angle grinders.**

- Long service life
- Low set-up costs / short set-up times
- For effortless and efficient working

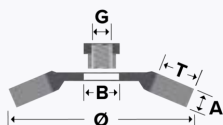
**Application:** Very well suited to treating vertical surfaces and walls made of assembled flat or round wood elements.

- 7902-613 196** Grit 46 – For creating a depth texture in the wood
- 7922-613 196** Grit 60 – For removing minor to medium levels of dirt, and uniform texturing of the wood
- 7932-613 196** Grit 80 – Preparation before finishing, evens out minor surface irregularities
- 7942-613 196** Grit 120 – Creation of the final finish on the wood surface

Ø	T	G	RPM max.		Novofil NH-S 46	Novofil NH-S 60	Novofil NH-S 80	Novofil NN-S 120
150	25	M14	8500	2	● 7902-613 196	● 7922-613 196	● 7932-613 196	● 7942-613 196



Appearance can vary from picture depending on variant.



EUPBBB001 | SUPERIOR ★★☆☆☆

## Bevel brushes, twist knot wire

**Knotted bevel brush, industrial quality, for use on angle grinders.**

- Aggressive cleaning performance
- Long service life
- Combines the best properties of a cup brush with those of a wheel brush
- Workpieces with large areas and difficult to access places can be treated perfectly
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Deburring, removal of rust, paint, slag, silicates and blue discolouration on complex workpieces.



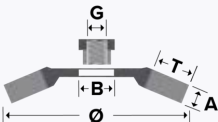
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	Knots	RPM max.	PKG.		Steel 0.35	Steel 0.50
100	13	22	M10X1,5	18	12500	POS Box	10	● 0102-622 131	● 0102-622 151
100	13	22	M10X1,25	18	12500	POS Box	10	● 4802-622 131	● 2352-622 151
100	13	22	M14	18	12500	POS Box	10	● 0002-622 131	● 0002-622 151
100	13	22	M14	22	12500	POS Box	10	● 0002-623 131	
115	15	20	5/8"	18	12500	POS Box	10	● 0802-632 131	● 0802-632 151
115	15	20	M14	18	12500	POS Box	10	● 0002-632 131	● 0002-632 151
125	15	23	M14	24	12500	POS Box	10	● 3602-632 131	● 2902-632 151

Ø	A	T	G	Knots	RPM max.	PKG.		Stainless Steel 0.35	Stainless Steel 0.50
100	13	22	M10X1,5	18	12500	POS Box	10	● 0102-622 331	● 0102-622 351
100	13	22	M10X1,25	18	12500	POS Box	10	● 4802-622 331	● 2352-622 351
100	13	22	M14	18	12500	POS Box	10	● 0002-622 331	● 0002-622 351
115	15	20	M14	18	12500	POS Box	5	● 0002-632 331	
115	15	20	M14	18	12500	POS Box	10		● 0002-632 351
125	15	23	M14	24	12500	POS Box	10	● 3602-632 331	● 3602-632 351



Appearance can vary from picture depending on variant.



EUPBBB002 | PERFECT ★★☆☆☆

# Bevel brushes, twist knot wire

Knotted bevel brush, craftsman quality, for use on angle grinders.

- Good cleaning performance and service life
- Best price/performance ratio
- Processing of large surfaces and hard to reach areas

**Application:** Rust removal, paint stripping, deburring.

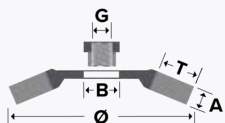


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	RPM max.	PKG.		Steel 0.50
100	13	22	M14	12500	POS PET	8	● 2008-622 151



Appearance can vary from picture depending on variant.



EUPBBB003 | SUPERIOR ★★☆☆☆

## Bevel brushes, crimped wire

**Crimped bevel brush, industrial quality, for use on angle grinders.**

- Flexible trim material, adjusts perfectly to the workpiece
- The longer the trim material, the more flexible the brush. Combines the best properties of a cup brush with those of a wheel brush
- Processing of large surfaces and hard to reach areas
- Depending on the workpiece geometry, the brush is available in different working widths guaranteeing pinpoint deployment
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Rust removal, paint stripping, deburring, silicates.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

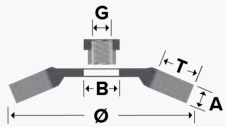
Ø	A	T	G	RPM max.	PKG.		Steel 0.30	Stainless Steel 0.20
100	10	20	M10X1,5	12500	POS Box	10	● 0102-512 161	
100	10	20	M10X1,25	12500	POS Box	10	● 2352-512 161	
100	10	20	M14	12500	POS Box	10	● 0002-512 161	
100	20	20	M10X1,5	12500		10		● 0102-512 342
100	20	20	M10X1,5	12500	POS Box	10	● 0102-512 162	
100	20	20	M10X1,25	12500		10		● 2352-512 342
100	20	20	M14	12500	POS Box	10	● 0002-512 162	● 0002-512 342
125	10	25	M14	12500	POS Box	10	● 0002-514 161	

Ø	A	T	G	RPM max.	PKG.		Stainless Steel 0.30	Brass Coated Steel 0.30
100	10	20	M14	12500	POS Box	10	● 0002-512 361	● 0002-512 061
100	20	20	M10X1,5	12500		10	● 0102-512 362	
100	20	20	M10X1,25	12500	POS Box	10	● 2352-512 362	
100	20	20	M14	12500	POS Box	10	● 0002-512 362	● 0002-512 062
125	10	25	M14	12500	POS Box	10	● 0002-514 361	





Appearance can vary from picture depending on variant.



EUPBBB004 | PERFECT ★★☆☆☆

## Bevel brushes, crimped wire

**Crimped bevel brush, craftsman quality, for use on angle grinders.**

- Ideal for processing areas and surfaces difficult to access
- Suitable for easy to semi-difficult cleaning work
- Best price/performance ratio

**Application:** Edge rounding, paint/rust removal.

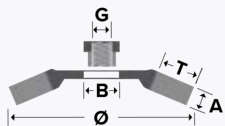


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	RPM max.	PKG.		Steel 0.30	Brass Coated Steel 0.30
100	10	20	M14	12500	POS PET	10		● 2008-512 061
100	16	20	M14	12500	POS PET	10	● 2008-512 161	



Appearance can vary from picture depending on variant.



EUPBBB006 | XTREME ★★★★★★

## Bevel brushes, Xtreme Wire, crimped

**Bevel Brush with crimped Xtreme wire in high-end quality for use on angle grinders.**

- Up to 8 times longer service life than conventional crimped wire brushes
- Flexible Xtreme wire, adjusts perfectly to the workpiece
- Combines the best properties of a cup brush with those of a wheel brush
- Processing of large surfaces and hard to reach areas
- Low vibration, low noise, unique satin finish

**Application:** Derusting, paint stripping, deburring, removal of silicates.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	RPM max.	PKG.		Steel 0.30
100	10	20	M14	12500	POS Box	10	● 3902-512 161



### Cordless is King.

More power, longer runtimes and all wireless. These are the new generations of cordless tools that make it easy to work wherever there is no power socket. The battery runtimes and performance of the tools have made a quantum leap in the last years. This makes them interesting for more and more users. Particularly in the construction industry, in sanitary and heating construction, caretakers, but also fire brigades, road maintenance and other mobile helpers, the devices are now indispensable without electricity.

**Important:** Please note that our cordless power tool accessories are also suitable for variable-speed angle grinders



#### Why special tools?

Cordless power tools are commonly used by mobile services, where the full range of accessories is not available. Users therefore need universal tools which can tackle a variety of tasks on different materials.

In this way the amount of accessories to be carried along on a construction site can be reduced when working on steel, stainless steel and wood.

Commonly cordless angle grinders run with a 30 % reduced working speed compared to usual angle grinders. Having specifically developed accessories for common cordless power tools means that the perfect result of brushes can be reached with a speed of 7,000 to 8,000 RPM.

Osborn Brushes are lighter and therefore prolong the battery life between recharges by 20-25 %.

#### We make it easy for you!

Osborn has developed tools which are flexible in use, light weight, easy to handle and assure highest precision. The end result will meet all your expectations and fulfill all aspects of work safety. This is the only way to work effectively and get the best out of your cordless power tool.

#### Benefits

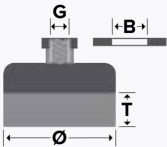
- Low weight
- Precision working
- Multifunctional
- Ease of use
- Reduced imbalance and vibration
- Longer battery life (by 20 to 25 %)
- Fewer charging cycles
- Universal usage on all materials

#### Good to know

Refer to the respective sections for the grinding and polishing products that are suitable for use on battery-operated angle grinders.



Appearance can vary from picture depending on variant.



EUPBCB012 | SUPERIOR ★★☆☆☆

## Cup brushes, crimped wire

**Crimped cup brush, industrial quality, for use on cordless angle grinders and variable-speed angle grinders.**

- Low weight
- Extended battery life
- Multifunctional
- reduced imbalance and vibration
- TÜV-Süd certified

**Application:** Cleaning, satin finishing, smoothing and texturing of different materials.

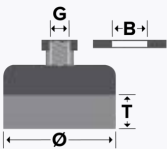


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	RPM max.	PKG.		Brass 0.30
60	21	M14	12500	POS PET	5	● 6912-613 561



Appearance can vary from picture depending on variant.



EUPBCB013 | SUPERIOR ★★★★★

Cup brushes, abrasive filament

Cup brush with abrasive trim material, industrial quality, for use on cordless angle grinders and variable-speed angle grinders.

- Weight-optimised
- TÜV-Süd certified
- Very flexible trim material; If individual filaments lie flat during use, continue working with the edge nevertheless because the length of the trim material has end-to-end abrasive grit
- Extended battery life
- reduced imbalance and vibration

**Application:** Cleaning, satin finishing, smoothing and texturing of different materials.



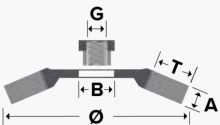
Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	G	Ø Fill	RPM max.	PKG.		Novofil NH-S 46
60	21	M14	1.6	12500	POS PET	5	● 6912-613 891





Appearance can vary from picture depending on variant.



EUPBBB005 | SUPERIOR ★★☆☆☆

# Bevel brushes, abrasive filament

Bevel brush with abrasive trim material Novofil NH-S, industrial quality, for use on cordless angle grinders and variable-speed angle grinders.

- Weight-optimised
- TÜV-Süd certified
- Extended battery life
- This means workpieces with large areas and difficult to access places can be treated perfectly
- Reduced imbalance and vibration

**Application:** Weld seam finishing for TIG/MIG/MAG, paint removal, cleaning, texturing, deburring.

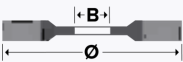


Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	G	Ø Fill	RPM max.	PKG.		Novofil NH-S 46
100	10	20	M14	1.6	12500	POS PET	5	● 6912-622 891



Appearance can vary from picture depending on variant.



EUGMCF009 | SUPERIOR ★★☆☆☆


Coarse cleaning fleece for angle grinders

Coarse cleaning fleece on glass fibre backing. Suitable for cleaning and polishing all surfaces. Cleaning fleeces attain the best results in sanding and cleaning metals, stainless steel and wood.

- Removes old paint, rust and weld spots without scratching the surface of the workpiece
- Cleaning and smoothing wood and plastic

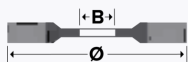
**Application:** General-purpose use for metals, stainless steel, wood and plastic.

**Please note:** Coarse cleaning fleeces are not suitable for edge finishing. They remove foreign matter and are non-stock removing.

Ø	B	RPM max.		flat
115	22.23	11000	10	● 6700-001 100
125	22.23	10000	10	● 6700-002 100
180	22.23	8500	10	● 6700-003 100



Appearance can vary from picture depending on variant.



EUGMFD001 | PERFECT ★★☆☆☆

## ALOX POWER

Cost-effective product for processing steel and wood. A tough, hard abrasive grain enables good removal rates, particularly when grinding surfaces. The glass fibre backing is characterised by an even grinding finish until the abrasive grain is completely consumed. No scratches appear on the workpiece.

- Quick machining
- Fine surface structure
- Good lifetime

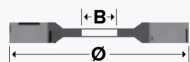
**Application:** Very suitable for processing unalloyed steel, alloyed steel and tool steel. Also suitable for weldseams, wood and plastic.

Ø	B	RPM max.		flat 40	flat 60	flat 80	flat 120
115	22.23	13300	10	● 5231-004 100	● 5231-006 100	● 5231-007 100	● 5231-009 100
125	22.23	12250	10	● 5232-004 100	● 5232-006 100	● 5232-007 100	● 5232-009 100

Ø	B	RPM max.		tapered 40	tapered 60	tapered 80	
115	22.23	13300	10	● 5231-204 100	● 5231-206 100	● 5231-207 100	
125	22.23	12250	10	● 5232-204 100	● 5232-206 100	● 5232-207 100	



Appearance can vary from picture depending on variant.



EUGMFD003 | PERFECT ★★☆☆☆

## ZIRCON POWER

**All-round flap disc with zirconium corundum band on a cotton polyester cloth. Good removal rate and service life.**

- Ideal for surface grinding on steel and stainless steel
- High removal rate and effortless work without clogging
- The glass fibre backing is characterised by an even grinding finish until the abrasive grain is completely consumed. No scratches appear on the workpiece.

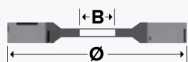
**Application:** Very suitable for processing stainless steel, (un)alloyed steel, weldseams, cast. Also suitable for wood and plastic.

Ø	B	RPM max.		flat 40	flat 60	flat 80
115	22.23	13300	10	● 5231-184 100	● 5231-186 100	● 5231-187 100
125	22.23	12250	10	● 5232-184 100	● 5232-186 100	● 5232-187 100

Ø	B	RPM max.		tapered 40	tapered 60	tapered 80
115	22.23	13300	10	● 5231-384 100	● 5231-386 100	● 5231-387 100
125	22.23	12250	10	● 5232-384 100	● 5232-386 100	● 5232-387 100



Appearance can vary from picture depending on variant.




EUGMFD006 | SUPERIOR ★★☆☆☆


## ZIRCON PLUS

**Top-quality zirconium flap disc. Well-suited for deburring, processing welding seams and surface grinding. Very balanced and universally applicable flap disc with brilliant removal rate and outstanding service life. For processing steel and stainless steel. A true four-star all-round disc.**

- Ideal for processing edges
- Also very good for surface grinding
- Outstanding grinding performance with superior lifetime
- High removal rate and effortless work without clogging
- Very good surface quality on workpiece

**Application:** Suits perfectly for (stainless) steel sheets and cast. Very suitable for (un)alloyed steel and weldseams. Also suitable for wood and plastic.

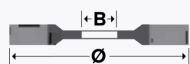
Ø	B	RPM max.		flat 40	flat 60	flat 80
115	22.23	13300	10	● 5241-104 100	● 5241-106 100	● 5241-107 100
125	22.23	12250	10	● 5242-104 100	● 5242-106 100	● 5242-107 100

Ø	B	RPM max.		tapered 40	tapered 60	tapered 80
115	22.23	13300	10	● 5241-304 100	● 5241-306 100	● 5241-307 100
125	22.23	12250	10	● 5242-304 100	● 5242-306 100	● 5242-307 100





Appearance can vary from picture depending on variant.



EUGMFD007 | SUPERIOR ★★☆☆☆

## ZIRCON PRIME G-AZ

**Special flap disc with zirconium corundum. This abrasive grain cloth is less hard, but very tough, and gives the disc very good all purpose characteristics.**

- Robust abrasive belt for high demands
- Brilliant grinding capacity
- Outstanding service
- It is used for such demanding operations as deburring, machining welding seams and breaking edges
- The glass fibre backing is characterised by an even grinding finish until all of the abrasive grain has been worn away. Leaves no scratches on the workpiece

**Application:** Suits perfectly for (stainless) steel sheets and cast. Very suitable for (un)alloyed steel and weldseams. Also suitable for wood and plastic.

Ø	B	RPM max.		flat 40	flat 60	flat 80	flat 120
115	22.23	13300	10	● 5211-104 100	● 5211-106 100	● 5211-107 100	● 5211-109 100
125	22.23	12250	10	● 5212-104 100	● 5212-106 100	● 5212-107 100	● 5212-109 100

Ø	B	RPM max.		tapered 40	tapered 60	tapered 80	
115	22.23	13300	10	● 5211-304 100	● 5211-306 100	● 5211-307 100	
125	22.23	12200	10		● 5212-306 100		
125	22.23	12250	10	● 5212-304 100		● 5212-307 100	



Appearance can vary from picture depending on variant.



EUGMFD011 | SUPERIOR ★★☆☆☆

# CERA PLUS

Flap disc with self-sharpening ceramic grain, which permanently enables an extremely high removal rate and guarantees a long service life. Outstanding results for surface and edge grinding of steel or stainless steel. The robust polyester backing and a full resin bond with additives that actively support grinding guarantee that the abrasive grain on the backing remains resistant to wear, even under high stress. This makes CERA PLUS ideal for extreme grinding work or demanding special tasks.

- Extremely aggressive removal rate with a minimum of effort
- Substantial time savings, clear plus in terms of service life
- Highly resilient
- Self-sharpening
- Cool grinding on surfaces and edges, reduces thermal discolouration on the workpiece

**Application:** Suits perfectly for high alloy steel, titanium alloys, nickel-base alloys, chrome and chrome-nickel-steel. Very suitable for brass, bronze and cast.

Ø	B	RPM max.		flat 40	flat 60	flat 80
115	22.23	13300	10	● 5241-434 100	● 5241-436 100	● 5241-437 100
125	22.23	12250	10	● 5242-434 100	● 5242-436 100	● 5242-437 100

Ø	B	RPM max.		tapered 40	tapered 60	tapered 80
115	22.23	13300	10	● 5241-444 100	● 5241-446 100	● 5241-447 100
125	22.23	12250	10	● 5242-444 100	● 5242-446 100	● 5242-447 100

## Efficient Solutions for Surface Processing.



Osborn polishing flap discs deliver outstanding results for the processing of stainless steel, steel, aluminium and non-ferrous metals thanks to an innovative, highly effective grinding fleece arranged in a fan-shaped lamella structure.

- **Highly effective for welding technology and metal processing applications**  
Delivers optimal results, for example when preparing welding seams, reworking welding seams and removing weld spatter in accordance with EN ISO 5817. Removes oxide films and thermal discolouration after the welding of pipelines, containers and apparatuses or after the plasma cutting of stainless steel sheets in accordance with DIN 50930, DIN 25410 and DVGW W541.
- **Highly effective for painting technology applications**  
Ideal for derusting, paint stripping and preparing surfaces for painting.
- **Extremely versatile**  
For cleaning and polishing unalloyed steel, high alloy steel, aluminium and non-ferrous metals. Suitable for edge and surface grinding.



Surfaces descaled prior to welding result in clean welding seams (see image at left)



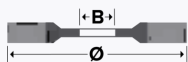
Quick, professional derusting and descaling



Sanding fine welding seams and removing thermal discolouration



Appearance can vary from picture depending on variant.



EUGMFD013 | SUPERIOR ★★☆☆☆

## Polimaxx 1 - coarse

**Fleece flap disc with coarse fleece texture (slight machining effect).**

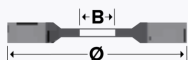
- For descaling and derusting workpieces, preparing welding seams, smoothing welding seam flaking, sanding very fine welding seams, removing weld spatters.
- Polimaxx 1 flap discs are also available in sets with Polimaxx 2 and 3 discs.

**Application:** Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

Ø	B	RPM max.		flat 80
115	22.23	13300	10	● 5541-204 100
125	22.23	12250	10	● 5542-204 100



Appearance can vary from picture depending on variant.



EUGMFD014 | SUPERIOR ★★☆☆☆

## Polimaxx 2 - medium

**Fleece flap disc with medium fleece texture (no machining effect).**

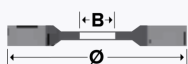
- For descaling and derusting workpieces, removing paints and varnishes, preparing surfaces for painting, matting of V2A welding seams or surfaces. Removing oxide films and thermal discolouration.
- Polimaxx 2 flap discs are also available in sets with Polimaxx 1 and 3 discs.

**Application:** Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

Ø	B	RPM max.		flat 120
115	22.23	13300	10	● 5541-206 100
125	22.23	12250	10	● 5542-206 100



Appearance can vary from picture depending on variant.



EUGMFD015 | SUPERIOR ★★☆☆☆

### Polimaxx 3 - fine

**Fleece flap disc with fine fleece texture (no machining effect).**

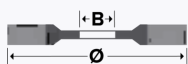
- For preparing and re-polishing welding seams, sanding fine welding seams, matting of surfaces, removing oxide films, thermal discolouration or thin layers of varnish on metals, polishing stainless steel.
- Polimaxx 4 for mirror finishes available.
- Polimaxx 3 flap discs are also available in sets with Polimaxx 1 and 2 discs.

**Application:** Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

Ø	B	RPM max.		flat 280
115	22.23	13300	10	● 5541-207 100
125	22.23	12250	10	● 5542-207 100



Appearance can vary from picture depending on variant.



EUPOBU001 | SUPERIOR ★★☆☆☆

### Polimaxx 4 - gloss

**The gloss polishing flap disc for angle grinders is equipped with lamellas made of a special high-quality felt.**

- Please use with polishing compounds
- Gives a mirror finish

**Application:** Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

Ø	B	RPM max.	Shape		Item Number
115	22.23	13300	tapered	10	● 5541-220 100
125	22.23	12250	tapered	10	● 5542-220 100





EUACAD008

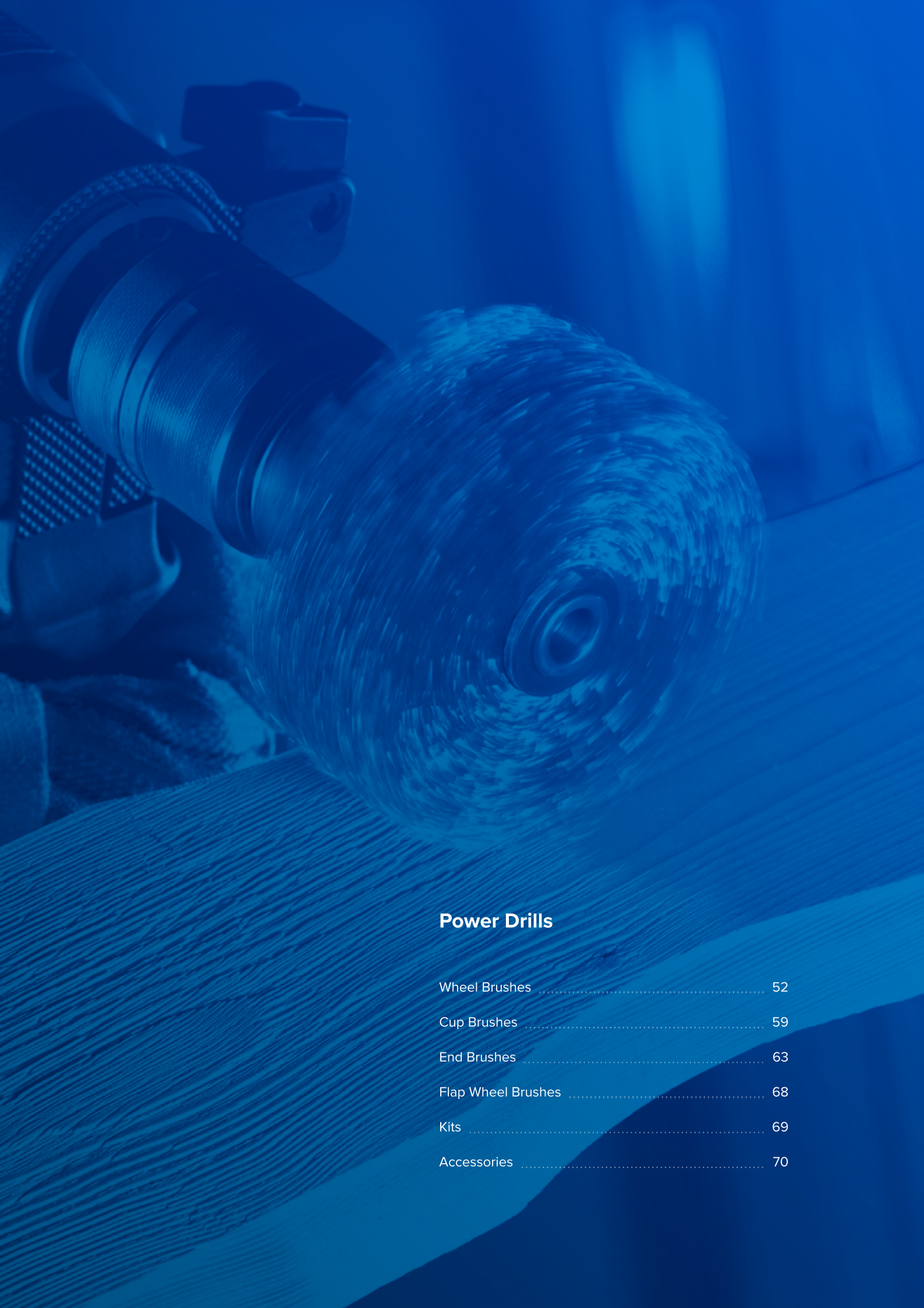
# Reducing Ring "HP-Adapter"

Reducing Rings provide a reliable solution for precisely adapting standard bore sizes to smaller diameters.

Appearance can vary from picture depending on variant.

adapt. from	adapt. to		Item Number
16.00	12.70	1	● 0003-000 223
22.20	9.50	1	● 0003-000 242
22.20	12.70	1	● 0003-000 243
22.20	16.00	1	● 0003-000 244



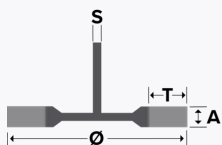


**Power Drills**

Wheel Brushes .....	52
Cup Brushes .....	59
End Brushes .....	63
Flap Wheel Brushes .....	68
Kits .....	69
Accessories .....	70



Appearance can vary from picture depending on variant.



EUPBWB009 | SUPERIOR ★★★★★

## Wheel brushes, knotted wire

**Knotted wheel brush, industrial quality, for use on power drills and high-speed machines.**

- Osborn bestseller
- High cleaning performance
- 6 mm shank enables simple mounting
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Cleaning, deburring, removal of slag and silicates, weld seam finishing, removal of protective undercoating in car workshops.

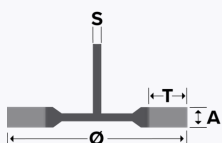


Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Steel 0.35	Steel 0.50	Stainless Steel 0.50
75	8	18	6	20000	POS Card	8		● 7202-611 151	
75	12	15.5	6	20000		12		● 0202-611 151	
75	12	18	6	20000		12	● 0202-611 131		● 0202-611 351
75	12	18	6	20000	POS Card	8			● 7012-611 351



Appearance can vary from picture depending on variant.



EUPBWB010 | SUPERIOR ★★☆☆☆

## Wheel brushes, crimped wire

**Crimped wheel brush, industrial quality, for use on power drills and high-speed machines.**

- Thanks to a number of selectable trim materials and brushdiameters there is a brush for every application
- Small brush diameter enables access to difficult to reached places
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Edge honing, finishing bores, deburring and minor cleaning work.

Ø	A	T	S	RPM max.	PKG.		Steel 0.15	Steel 0.20	Steel 0.30
20	6	4	6	20000		10	● 0002-501 132	● 0002-501 142	
20	9	4	6	20000		10		● 0002-501 143	
30	6	6	6	20000		10		● 0002-502 141	
30	9	6	6	20000		10	● 0002-502 132		
30	12	6	6	20000		10		● 0002-502 143	
40	7	10	6	18000		10		● 0002-503 141	
40	11	10	6	18000		10	● 0002-503 132		
40	16	10	6	18000		10		● 0002-503 143	
50	10	13	6	15000		10		● 0002-504 141	● 0002-504 161
50	17	13	6	15000		10	● 0002-504 132	● 0002-504 142	● 0002-504 162
50	23	13	6	15000		10		● 0002-504 143	● 0002-504 163
60	12	15	6	15000		10		● 0002-505 141	● 0002-505 161
60	18	15	6	15000		10		● 0002-505 142	● 0002-505 162
60	23	15	6	15000		10			● 0002-505 163
70	11	15	6	15000		10		● 0002-506 141	
70	18	15	6	15000		10	● 0002-506 132	● 0002-506 142	

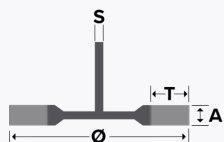
Ø	A	T	S	RPM max.	PKG.		Stainless Steel 0.15	Stainless Steel 0.20	Stainless Steel 0.30
20	6	4	6	20000		10		● 0002-501 342	
20	9	4	6	20000		10		● 0002-501 343	
30	6	6	6	20000		10		● 0002-502 341	
30	9	6	6	20000		10		● 0002-502 342	
30	12	6	6	20000		10		● 0002-502 343	
40	7	10	6	18000		10	● 0002-503 331	● 0002-503 341	
40	11	10	6	18000		10	● 0002-503 332	● 0002-503 342	
40	16	10	6	18000		10	● 0002-503 333	● 0002-503 343	
50	10	13	6	15000		10		● 0002-504 341	● 0002-504 361
50	17	13	6	15000		10	● 0002-504 332	● 0002-504 342	● 0002-504 362
50	23	13	6	15000		10		● 0002-504 343	
60	12	15	6	15000		10		● 0002-505 341	
60	18	15	6	15000		10	● 0002-505 332	● 0002-505 342	
60	23	15	6	15000		10		● 0002-505 343	● 0002-505 363



Ø	A	T	S	RPM max.	PKG.		Brass 0.20		
20	9	4	6	20000		10	● 0002-501 542		
40	11	10	6	18000		10	● 0002-503 542		
50	17	13	6	15000		10	● 0002-504 542		
60	18	15	6	15000		10	● 0002-505 542		



Appearance can vary from picture depending on variant.



EUPBWB011 | PERFECT ★★☆☆☆

## Wheel brushes, crimped wire

**Crimped wheel brush, craftsman quality, for power drills.**

- Suitable for many DIY projects
- Easy to fit thanks to the shank
- Flexible brush for simple cleaning tasks

**Application:** Cleaning work such as removal of paint, rust and scales.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Available as part of a set. More on page69



Ø	A	T	S	RPM max.	PKG.		Steel 0.20	Steel 0.30
50	7	10	6	4500		20	● 0003-600 211	● 0008-600 221
50	7	10	6	4500	POS Card	8		● 7003-600 221
60	9	13	6	4500		20	● 0003-600 311	
63	9	13	6	4500		20		● 0008-600 321
63	9	13	6	4500	POS Card	8		● 7003-600 321
75	10	16	6	4500		10	● 0008-600 411	● 0008-600 421
75	10	16	6	4500	POS Card	8	● 7003-600 411	● 7003-600 421
75	15	16	6	4500		10		● 0008-600 422
100	12	22	6	4500		10	● 0008-600 511	● 0008-600 521
100	12	22	6	4500	POS Card	8	● 7003-600 511	● 7003-600 521
100	17	22	6	4500		10		● 0008-600 522

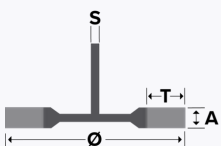
Ø	A	T	S	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30
50	7	10	6	4500		20	● 0088-600 221	
75	10	16	6	4500		10		● 0008-600 432
75	10	16	6	4500	POS Card	6		● 7008-600 432
100	10	22	6	4500		10	● 0008-600 531	
100	12	22	6	4500		10		● 0088-600 521
100	12	22	6	4500	POS Card	6		● 7018-600 521

more on next page →

Ø	A	T	S	RPM max.	PKG.		Brass Coated Steel 0.30	Brass 0.20
50	7	12	6	4500		20	● 0008-600 051	
75	10	15	6	4500		10	● 0008-600 075	
75	10	16	6	4500		10		● 0502-600 451
75	10	17	6	4500	POS Card	8		● 7023-600 451
100	12	22	6	4500		10	● 0008-600 010	



Appearance can vary from picture depending on variant.



EUPBWB012 | SUPERIOR ★★★★★

## Wheel brushes, stranded, crimped wire

Wheel brush with Cordwire, industrial quality, for use on power drills.

- Brass-coated, stranded steel wire
- Effective woodworking, high friction on soft and hardwood
- Suitable to working on surfaces due to large working width
- TÜV-Süd certified (design tested, production monitored)

**Application:** Excellently suited to texturing wood. The natural grain of the wood is emphasized and an antique or rustic effect is created. The filaments of the brush ream the softer places of the wood more than the hard ones. They expose the wood grain and leave a sort of relief surface.

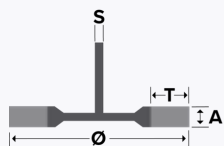


Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Brass Coated Steel 0.25
80	35	20	8	4000		10	● 0908-507 061
80	35	20	8	4000	POS Card	8	● 7003-507 061



Appearance can vary from picture depending on variant.



EUPBWB043

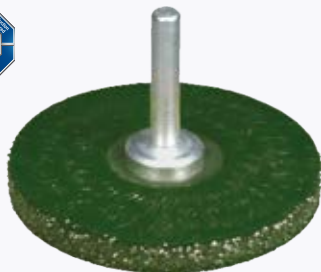
## Wheel brushes, abrasive filament

Wheel brush with abrasive filament, for the use on power drills.

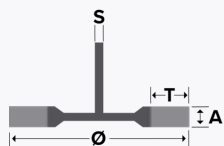
- Special Rustifil trimming style (alternating shorter and longer bristles)
- Ideal for creating a rustic wood texture in softwoods
- Flexible usage due to common Ø 8 mm shank
- Can be used on types of wood that contain tannic acid (e.g. oak, birch or walnut), as abrasive bristles do not react with acid and do not cause staining
- Due to wide face width also usable for processing larger surfaces

**Application:** Texturing of softwoods and sanding of textured hardwoods

Ø	A	T	S	RPM max.		Silicon Carbide 80
80	35	21	8	4000	10	● 0908-507 911



Appearance can vary from picture depending on variant.



EUPBWB013 | EVOLUTION ★★★★★

## Wheel brushes, crimped wire, plastic-bonded

Plastic-bonded, crimped wheel brush, high-end quality, for use on power drills.

- Reduced wire breakage due to plastic bonding
- Lower effort, lower contact pressure
- TÜV-Süd certified (safety tested, production monitored)

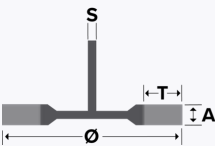
**Application:** Removal of paint and lacquer, cleaning of narrow and inaccessible areas.

Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Brass Coated Steel 0.30
63	8	20	6	15000		12	● 0002-911 941
63	8	20	6	15000	POS Card	8	● 7002-911 941
76	8	26	6	15000		12	● 0002-911 951



Appearance can vary from picture depending on variant.



EUPBWB014 | PERFECT ★★☆☆☆

Wheel brushes, abrasive filament

Grittyflex wheel brush with abrasive trim, craftsman quality, for power drills.

- Adapts perfectly to the workpiece's contours
- Brush with abrasive nylon, gentle on material
- When being used, new abrasive grit keeps being released so that the removal rate is uniform
- Different grit sizes generate different surface finishes (blue finer, red coarser)
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Suitable for all materials; for the easy roughing and smoothing of surfaces (depending on grit thickness), product of choice for woodworking.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Available as part of a set. More on page70

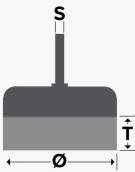


Ø	A	T	S	RPM max.	PKG.		Nylon 80 red	Nylon 180 blue
75	10	16	6	4500		10	● 0802-600 491	● 0182-600 491
75	10	16	6	4500	POS Card	8	● 7802-600 491	● 7182-600 491
100	10	23	6	4500		10	● 0802-600 591	● 0182-600 591
100	10	23	6	4500	POS Card	8	● 7802-600 591	● 7182-600 591





Appearance can vary from picture depending on variant.



EUPBCB014 | SUPERIOR ★★★★★

## Cup brushes, knotted wire

**Knotted cup brush, industrial quality, for use on power drills.**

- Osborn bestseller
- Long service life, low set-up costs / short set-up times
- Impressive cleaning effect on large areas
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring.

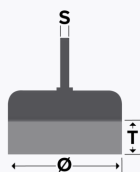


Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	T	S	RPM max.	PKG.		Steel 0.50
65	23	6	6000		10	● 1004-608 151
65	23	6	6000	POS Card	8	● 7004-608 151



Appearance can vary from picture depending on variant.



EUPBCB015 | PERFECT ★★☆☆☆

## Cup brushes, crimped wire

**Crimped cup brush, craftsman quality, for power drills.**

- Flexible
- Good price/performance ratio
- Suitable for many DIY projects
- Easy to fit thanks to the shaft

**Application:** Paint stripping and rust removal from surfaces.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Available as part of a set. More on page69



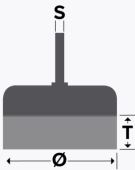
Ø	T	S	RPM max.	PKG.		Steel 0.20	Steel 0.30
50	17	6	4500		20	● 0008-600 811	● 0008-600 821
50	17	6	4500	POS Card	8		● 7003-600 821
75	20	6	4500		10		● 0008-600 921
75	20	6	4500	POS Card	8		● 7003-600 921
75	25	6	4500		10	● 0008-600 911	
75	25	6	4500	POS Card	8	● 7003-600 911	

Ø	T	S	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30
50	17	6			20	● 0008-600 831	
50	17	6	4500		20		● 0008-600 832
50	17	6	4500	POS Card	10		● 7008-600 832
75	20	6	4500		10		● 0008-600 361
75	20	6	4500	POS Card	6		● 7008-600 361

Ø	T	S	RPM max.	PKG.		Brass Coated Steel 0.30	Brass 0.20
50	16	6	4500		20	● 0028-600 041	
50	17	6	4500		20		● 0023-600 851
75	20	6	4500		10	● 0028-600 061	● 0023-600 951



Appearance can vary from picture depending on variant.



EUPBCB016 | EVOLUTION ★★★★★

# Cup brushes, crimped wire, plastic-bonded

Cup brush with plastic-bonded, crimped wire, high-end quality, for use on power drills.

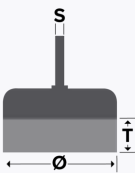
- Reduced wire breakage due to plastic bonding
- Lower applied force, lower contact pressure
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Removal of paint and lacquer, cleaning of large surfaces.

Ø	T	S	RPM max.		Brass Coated Steel 0.30
50	15	6	15000	12	● 0002-930 821



Appearance can vary from picture depending on variant.



EUPBCB017 | PERFECT ★★☆☆☆

Cup brushes, abrasive filament

Grittyflex cup brush with abrasive trim, craftsman quality, for power drills.

- Adapts perfectly to the workpiece's contours
- Brush with abrasive nylon, gentle on material
- When being used, new abrasive grit keeps being released so that the removal rate is uniform
- Different grit sizes generate different surface finishes (blue finer, red coarser)
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Suitable for all materials; for the easy roughing and smoothing of surfaces (depending on grit thickness), particularly recommended for woodworking.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

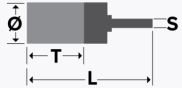
Available as part of a set. More on page70



Ø	T	S	RPM max.	PKG.		Nylon 80 red	Nylon 180 blue
50	17	6	4500		10	● 0802-600 891	● 0182-600 891
50	17	6	4500	POS Card	8	● 7802-600 891	● 7182-600 891
75	23	6	4500		10	● 0802-600 991	● 0182-600 991
75	23	6	4500	POS Card	8	● 7802-600 991	● 7182-600 991



Appearance can vary from picture depending on variant.



EUPBEB001 | SUPERIOR ★★☆☆☆

## End brushes, crimped wire

**Crimped end brush, industrial quality, for use on high-speed machines and power drills.**

- Flexible trim material, adjusts perfectly to the workpiece
- For pinpoint work in places difficult to access, such as boreholes

**Application:** Rust removal, paint stripping, smoothing, edge rounding, deburring, internal finishing.

Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	T	L	S	RPM max.	PKG.		Steel 0.20	Steel 0.30	Steel 0.50
10	20	60	6	20000		12	● 0003-509 141	● 0003-509 161	
10	20	65	6	20000		12			● 0003-509 191
17	25	68	6	18000		12	● 0002-509 142		● 0002-509 192
17	25	69	6	18000		12		● 0002-509 162	
17	25	69	6	18000	POS Card	8		● 7002-509 162	
25	25	75	6	18000		12	● 0002-509 143	● 0002-509 163	● 0002-509 193
30	25	68	6	15000		12	● 0002-509 144	● 0002-509 164	● 0002-509 194
30	25	68	6	15000	POS Card	8		● 7002-509 164	

Ø	T	L	S	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30	Brass 0.30
10	20	60	6	20000		12	● 0003-509 341	● 0003-509 361	
10	20	65	6	20000		12			● 0003-509 561
17	25	68	6	18000		12	● 0002-509 342	● 0002-509 362	● 0002-509 562
25	25	75	6	18000		12	● 0002-509 343	● 0002-509 363	● 0002-509 563
30	25	68	6	15000		12	● 0002-509 344	● 0002-509 364	● 0002-509 564



EUPBEB002 | PERFECT ★★☆☆☆

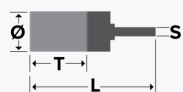
## End brushes, crimped wire

**Crimped end brush, craftsman quality, for power drills.**

- For pinpoint work in places difficult to access
- Best price/performance ratio

**Application:** Rust removal, paint stripping, smoothing, edge rounding, deburring, internal finishing.

Appearance can vary from picture depending on variant.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Available as part of a set. More on page69

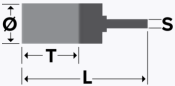


Ø	T	L	S	RPM max.	PKG.		Steel 0.30	Stainless Steel 0.30	Brass Coated Steel 0.30
12	20		6	4500		20	● 0008-509 161		
12	20	65	6	4500		20			● 0008-509 061
17	25		6	4500		12			● 0008-509 062
17	25	70	6	4500		12	● 0008-509 162		
25	25	75	6	4500		12		● 0008-509 363	
25	25	75	6	4500	POS Card	12		● 7008-509 363	
25	30	80	6	4500		12	● 0008-509 163		● 0008-509 063
25	30	80	6	4500	POS Card	8	● 7002-509 163		
30	35	55	6	4500		12			● 0008-509 064
30	35	90	6	4500		12	● 0008-509 164		





Appearance can vary from picture depending on variant.



EUPBEB003 | EVOLUTION ★★★★★

## End brushes, crimped wire, plastic-bonded

End brush with plastic-bonded, crimped wire, high-end quality, for use on power drills and high-speed machines.

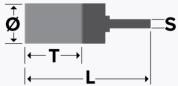
- longer service life
- Higher removal rate
- Reduced wire breakage due to plastic bonding
- Lower effort, lower contact pressure
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Rust removal, paint stripping, smoothing, edge rounding, deburring, internal finishing.

Ø	T	L	S	RPM max.		Brass Coated Steel 0.30
17	24	67	6	15000	12	● 0002-930 902
24	23	66	6	15000	12	● 0002-930 907
31	23	66	6	15000	12	● 0002-930 912



Appearance can vary from picture depending on variant.



EUPBEB004 | SUPERIOR ★★☆☆☆

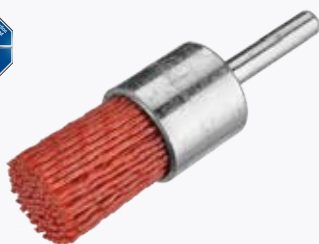
## End brushes, abrasive filament

End brush with abrasive filament in industrial quality for use on power drills.

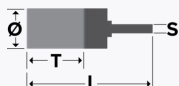
- Powerful high-tech and very flexible trim material
- If individual filaments lie flat during use, continue working with the edge nevertheless because the length of the trim material has an end-to-end abrasive grit
- Varying surface pattern possible depending on grit selected; The higher the grit size, the finer the surface pattern
- Can be used on all materials
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Roughing, texturing, paint stripping, deburring and cleaning.

Ø	T	L	S	RPM max.		Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
10	25	75	6	5000	12		● 1802-509 911	
10	25	75	6	8000	12			● 3202-509 911
15	25	68	6	4500	12	● 1202-509 912	● 1802-509 912	● 3202-509 912
22	25		6	4500	12	● 1202-509 913		● 3202-509 913
22	25	68	6	5000	12		● 1802-509 913	
28	25	68	6	4500	12			● 3202-509 914
28	25	68	6	5000	12	● 1202-509 914	● 1802-509 914	



Appearance can vary from picture depending on variant.



EUPBEB005 | PERFECT ★★☆☆☆

## End brushes, abrasive filament

**Grittyflex end brush with abrasive trim, craftsman quality, for power drills.**

- Adapts perfectly to the workpiece's contours
- Brush with abrasive nylon, gentle on material
- When being used, new abrasive grit keeps being released so that the removal rate is uniform
- Different grit sizes generate different surface finishes (blue finer, red coarser)
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Suitable for all materials; for the easy roughing and smoothing of surfaces (depending on grit size), for internal finishing, suitable particularly for woodworking.



Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

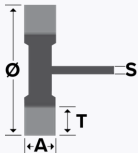
Available as part of a set. More on page70



Ø	T	L	S	RPM max.	PKG.		Nylon 80 red	Nylon 180 blue
25	25	68	6	5000		12	● 0812-509 913	● 1812-509 913
25	25	75	6	5000	POS Card	8	● 7812-509 913	● 7802-509 913



Appearance can vary from picture depending on variant.



EUPBFB001 | PERFECT ★★☆☆☆

## Flap wheel brushes, crimped wire

Flap wheel brush with crimped wire, craftsman quality, for power drills.

- Particularly lightweight and flexible
- TÜV-Süd certified (safety tested, production monitored)

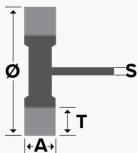
**Application:** Paint stripping, rust removal, deburring, descaling, smoothing and cleaning.

Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Steel 0.30	Brass Coated Steel 0.30
100	23	25	6	3500	Brown Box	5	● 0004-401 132	
100	23	25	6	3500	POS Card	6	● 7004-401 132	
100	25	25	6	3500		5		● 0004-401 052



Appearance can vary from picture depending on variant.



EUPBFB002 | PERFECT ★★☆☆☆

## Flap wheel brushes, abrasive filament

Flap wheel brush with abrasive trim, craftsman quality, for power drills.

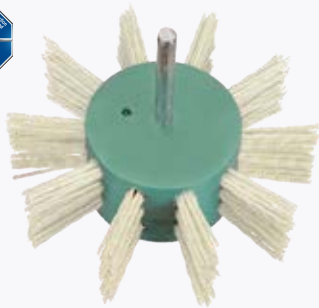
- Particularly lightweight and flexible
- Adapts perfectly to the workpiece's contours
- When being used, new abrasive grit keeps being released so that the removal rate stays constant
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Woodworking, texturing, paint stripping.

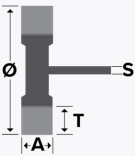


Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Nylon 80 red	Nylon 180 blue
100	23	25	6	3500	Brown Box	5	● 0001-401 912	● 0011-401 912
100	23	25	6	3500	POS Card	6	● 7801-401 912	● 7811-401 912



Appearance can vary from picture depending on variant.



EUPBFB003 | PERFECT ★★☆☆☆

## Flap wheel brushes, natural filament

Flap wheel brushes in craftsman quality, for power drills.

- Particularly lightweight and flexible
- Adapts perfectly to the workpiece's contours
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Cleaning

Ø	A	T	S	RPM max.	PKG.		Natural Filament Fibre
100	25	25	6	3500	Brown Box	5	● 0004-401 942



Appearance can vary from picture depending on variant.

EUPBKT009 | PERFECT ★★☆☆☆

## Kit of 5 DIY brushes, crimped wire

Kit of 5 DIY brushes, with crimped wire, craftsman quality, for power drills.

- Suitable for any workpiece contour
- Best price/performance ratio

**Application:** Metalworking (cup brush for large areas, wheel brush for narrow places and end brush for internal finishing, corners and edges).

Products included		Item Number
wheel brush Ø 50, shank Ø 6   wheel brush Ø 75, shank Ø 6   cup brush Ø 50, shank Ø 6   cup brush Ø 70, shank Ø 6   end brush Ø 25, shank Ø 6	10	● 1418-600 005



Appearance can vary from picture depending on variant.




EUPBKT002 | PERFECT ★★☆☆☆

Kit of 5 DIY brushes, abrasive filament

Kit of 5 DIY brushes, with abrasive trim, craftsman quality, for power drills.

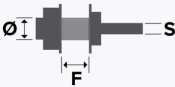
- Suitable for any workpiece contour
- Practical POS blister packaging
- Best price/performance ratio

**Application:** Product of choice for woodworking (cup brush for large areas, wheel brush for narrow places and profiles, and end brush for internal finishing, corners and edges).

Products included		Item Number
wheel brush Ø 50, shank Ø 6   wheel brush Ø 75, shank Ø 6   cup brush Ø 50, shank Ø 6   cup brush Ø 75, shank Ø 6   end brush Ø 25, shank Ø 6	10	● 1518-600 005



Appearance can vary from picture depending on variant.



EUACAD013

Drive arbor, type I

For wheel brushes with bore. Brushes can be fitted up to a clamping width of 20 mm.

Ø	F	S		Item Number
10	20	6	1	● 0003-000 100
12.7	20	6	1	● 0004-000 127

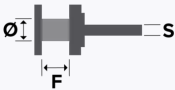




EUACAD016

# Drive arbor, type II

Appearance can vary from picture depending on variant.



Ø	F	S		Item Number
9.5	11	6	1	● 9907-075 128
12.7	11	6	1	● 9907-075 129
15.9	11	6	1	● 9907-075 130



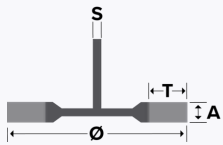


**High Speed Machines**

Wheel Brushes .....	74
Cup Brushes .....	78
End Brushes .....	79
Flap Wheels .....	88



Appearance can vary from picture depending on variant.



EUPBWB010 | SUPERIOR ★★☆☆☆

## Wheel brushes, crimped wire

**Crimped wheel brush, industrial quality, for use on power drills and high-speed machines.**

- Thanks to a number of selectable trim materials and brushdiameters there is a brush for every application
- Small brush diameter enables access to difficult to reached places
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Edge honing, finishing bores, deburring and minor cleaning work.

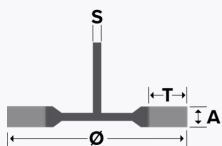
Ø	A	T	S	RPM max.	PKG.		Steel 0.15	Steel 0.20	Steel 0.30
20	6	4	6	20000	10		● 0002-501 132	● 0002-501 142	
20	9	4	6	20000	10			● 0002-501 143	
30	6	6	6	20000	10			● 0002-502 141	
30	9	6	6	20000	10	● 0002-502 132			
30	12	6	6	20000	10			● 0002-502 143	
40	7	10	6	18000	10			● 0002-503 141	
40	11	10	6	18000	10	● 0002-503 132			
40	16	10	6	18000	10			● 0002-503 143	
50	10	13	6	15000	10			● 0002-504 141	● 0002-504 161
50	17	13	6	15000	10	● 0002-504 132	● 0002-504 142	● 0002-504 162	
50	23	13	6	15000	10			● 0002-504 143	● 0002-504 163
60	12	15	6	15000	10			● 0002-505 141	● 0002-505 161
60	18	15	6	15000	10			● 0002-505 142	● 0002-505 162
60	23	15	6	15000	10				● 0002-505 163
70	11	15	6	15000	10			● 0002-506 141	
70	18	15	6	15000	10	● 0002-506 132	● 0002-506 142		

Ø	A	T	S	RPM max.	PKG.		Stainless Steel 0.15	Stainless Steel 0.20	Stainless Steel 0.30
20	6	4	6	20000	10			● 0002-501 342	
20	9	4	6	20000	10			● 0002-501 343	
30	6	6	6	20000	10			● 0002-502 341	
30	9	6	6	20000	10			● 0002-502 342	
30	12	6	6	20000	10			● 0002-502 343	
40	7	10	6	18000	10	● 0002-503 331	● 0002-503 341		
40	11	10	6	18000	10	● 0002-503 332	● 0002-503 342		
40	16	10	6	18000	10	● 0002-503 333	● 0002-503 343		
50	10	13	6	15000	10			● 0002-504 341	● 0002-504 361
50	17	13	6	15000	10	● 0002-504 332	● 0002-504 342	● 0002-504 362	
50	23	13	6	15000	10			● 0002-504 343	
60	12	15	6	15000	10			● 0002-505 341	
60	18	15	6	15000	10	● 0002-505 332	● 0002-505 342		
60	23	15	6	15000	10			● 0002-505 343	● 0002-505 363

Ø	A	T	S	RPM max.	PKG.		Brass 0.20		
20	9	4	6	20000		10	● 0002-501 542		
40	11	10	6	18000		10	● 0002-503 542		
50	17	13	6	15000		10	● 0002-504 542		
60	18	15	6	15000		10	● 0002-505 542		



Appearance can vary from picture depending on variant.



EUPBWB009 | SUPERIOR ★★★★★

## Wheel brushes, knotted wire

**Knotted wheel brush, industrial quality, for use on power drills and high-speed machines.**

- Osborn bestseller
- High cleaning performance
- 6 mm shank enables simple mounting
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

**Application:** Cleaning, deburring, removal of slag and silicates, weld seam finishing, removal of protective undercoating in car workshops.

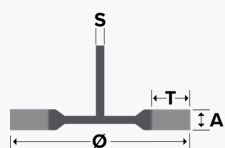


Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	A	T	S	RPM max.	PKG.		Steel 0.35	Steel 0.50	Stainless Steel 0.50
75	8	18	6	20000	POS Card	8		● 7202-611 151	
75	12	15.5	6	20000		12		● 0202-611 151	
75	12	18	6	20000		12	● 0202-611 131		● 0202-611 351
75	12	18	6	20000	POS Card	8			● 7012-611 351



Appearance can vary from picture depending on variant.



EUPBWB030 | XTREME ★★★★★★

## Wheel brushes, Xtreme Wire, crimped

Wheel brush with shank and crimped Xtreme wire in high-end quality for use on power drills and high-speed machines.

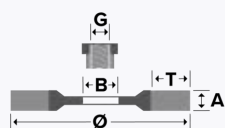
- Significantly increased service life
- Fine finish
- Low vibration, low noise
- The relatively small diameter enables machining of hard-to-reach places
- Adapts ideally to the workpiece

**Application:** Rounding edges, machining holes, deburring, cleaning

Ø	A	T	S	RPM max.		Steel 0.30
50	17	13	6	15000	10	● 3902-504 162
70	18	15	6	15000	10	● 3902-506 162



Appearance can vary from picture depending on variant.



EUPBWB034 | EVOLUTION ★★★★★

## Ringlock Wheel brushes, abrasive filament

Ringlock wheel brush, industrial quality, with abrasive silicone carbide trim for attaching to high-speed machines.

- Also suitable for non-ferrous metals and synthetics
- The small diameter enables access to hard to reach areas

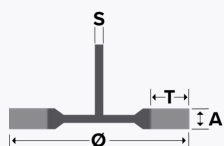
**Application:** Deburring, edge rounding and surface finishing, can be used on a large number of materials.

Ø	A	T	B	RPM max.		Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
38	10	6	12.7	20000	12	● 9906-011 146	● 9906-011 147	● 9906-011 148
50	10	11	15.87	15000	12	● 9906-011 149	● 9906-011 150	● 9906-011 151
63	13	17	15.87	15000	12	● 9906-011 153	● 9906-011 154	● 9906-011 155





Appearance can vary from picture depending on variant.



EUPBWB017 | EVOLUTION ★★★★★

## Wheel brushes with shank, abrasive filament

**Ringlock wheel brush, industrial quality, with abrasive silicone carbide trim for attaching to high-speed machines.**

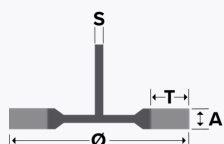
- Also suitable for non-ferrous metals and synthetics
- The small diameter enables access to hard to reach areas

**Application:** Deburring, edge rounding and surface finishing, can be used on a large number of materials.

Ø	A	T	S	RPM max.		Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
38	10	6	6	20000	10	● 9906-011 446	● 9906-011 447	● 9906-011 448
50	10	11	6	15000	10	● 9906-011 449	● 9906-011 450	● 9906-011 451
63	13	17	6	15000	10	● 9906-011 453	● 9906-011 454	● 9906-011 455



Appearance can vary from picture depending on variant.



EUPBWB040 | SUPERIOR ★★★★★☆

## Miniature wheel brushes, crimped wire

**Crimped miniature wheel brush, industrial quality.**

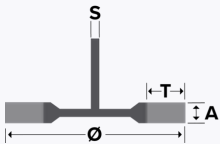
- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable

**Application:** Fine and light work, such as cleaning and deburring operations. Ideal for reaching narrow grooves. Typical range of applications: Medical instruments, micro electronics, optics, precision devices, miniature precision components.

Ø	A	T	S	RPM max.		Steel 0.10	Stainless Steel 0.10	Brass 0.10
16	2	3	3	25000	12	● 0003-501 416	● 0003-501 316	● 0003-501 516
22	2	6	3	10000	12			● 0003-501 522
22	2	6	3	25000	12	● 0003-501 422	● 0003-501 322	
32	2	9.5	3	15000	12	● 0003-501 432		



Appearance can vary from picture depending on variant.



EUPBWB041 | SUPERIOR ★★★★★

## Miniature wheel brushes, abrasive / nature filament

**Abrasive / nature fibre miniature wheel brush, industrial quality.**

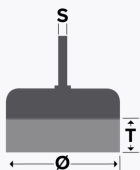
- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable
- Diamond filament is suitable for particularly hard materials
- Flexible trimming straightens up again even under heavy use and there is no material breakage

**Application:** Fine and light work, such as cleaning, dust removal and deburring operations. Ideal for reaching narrow grooves. Typical range of applications: Medical instruments, micro electronics, optics, precision devices, miniature precision components.

Ø	A	T	S	RPM max.		Nylon Diamond	Goat Hair
16	3	1.5	3	25000	12		● 0003-501 916
17	1.5	3.5	2.34	25000	10	● 0008-501 817	
22	1.5	6	3	25000	12		● 0003-501 922
23	1.5	6.5	2.34	25000	2	● 0008-501 823	



Appearance can vary from picture depending on variant.



EUPBCB025 | SUPERIOR ★★★★★

## Miniature cup brushes, crimped wire

**Crimped miniature cup brush, industrial quality.**

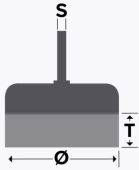
- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable

**Application:** Fine and light work, such as cleaning and deburring operations. Typical range of applications: Medical instruments, micro electronics, optics, precision devices, miniature precision components.

Ø	T	S	RPM max.		Steel 0.10	Stainless Steel 0.10	Brass 0.10
18	6	2.34	20000	12	● 0013-600 641	● 0013-600 631	● 0013-600 651
18	6	3	20000	12	● 0003-600 641		● 0003-600 651
18	6	3.18	20000	12		● 0003-600 631	



Appearance can vary from picture depending on variant.



EUPBCB026 | SUPERIOR ★★★★★

## Miniature cup brushes, abrasive / nature filament

**Abrasive / nature fibre miniature cup brush, industrial quality.**

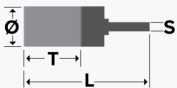
- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable
- Diamond filament is suitable for particularly hard materials
- Flexible trimming straightens up again even under heavy use and there is no material breakage

**Application:** Fine and light work, such as cleaning, dust removal and deburring operations. Typical range of applications: Medical instruments, micro electronics, optics, precision devices, miniature precision components.

Ø	T	S	RPM max.		Nylon Diamond	Goat Hair
10	6	3	20000	12		● 0003-600 691
10	8	2.34	20000	2	● 0008-600 781	
18	6	2.34	20000	12		● 0013-600 691



Appearance can vary from picture depending on variant.



EUPBEB020 | SUPERIOR ★★★★★

## Miniature end brushes, crimped wire

**Crimped miniature end brush, industrial quality.**

- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable
- Flexible trimming straightens up again even under heavy use and there is no material breakage

**Application:** Fine and light work, such as cleaning and deburring operations. Typical range of applications: Medical instruments, micro electronics, optics, precision devices, miniature precision components.

Ø	T	S	L	RPM max.		Steel 0.10	Stainless Steel 0.10	Brass 0.10
5	8	2	45	5000	12	● 0013-509 400		
5	8	2.34	45	5000	12		● 0013-509 300	● 0013-509 500
5	8	3	45	5000	12		● 0003-509 300	● 0003-509 500
5	8	3	50	5000	12	● 0003-509 400		



Appearance can vary from picture depending on variant.



EUPBEB021 | SUPERIOR ★★☆☆☆

## Miniature end brushes, abrasive / nature filament

**Abrasive / nature fibre miniature end brush, industrial quality.**

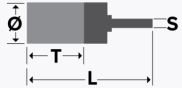
- Ideal for precise operations and applications
- Thanks to the small dimensions the brush can reach narrow points and surfaces
- Fine surface conditions realisable
- Flexible trimming straightens up again even under heavy use and there is no material breakage
- Diamond filament is suitable for particularly hard materials

**Application:** Fine and light work, such as cleaning and deburring operations.

Ø	T	S	L	RPM max.		Nylon Diamond	Goat Hair
5	8	2	50	5000	2	● 0008-509 004	
5	8	2.34	45	5000	12		● 0013-509 900
5	8	3.18	45	5000	12		● 0003-509 900



Appearance can vary from picture depending on variant.



EUPBEB001 | SUPERIOR ★★☆☆☆

## End brushes, crimped wire

**Crimped end brush, industrial quality, for use on high-speed machines and power drills.**

- Flexible trim material, adjusts perfectly to the workpiece
- For pinpoint work in places difficult to access, such as boreholes

**Application:** Rust removal, paint stripping, smoothing, edge rounding, deburring, internal finishing.

Available on a practical display card with Eurostandard hole for ideal presentation at the POS.

Ø	T	L	S	RPM max.	PKG.		Steel 0.20	Steel 0.30	Steel 0.50
10	20	60	6	20000		12	● 0003-509 141	● 0003-509 161	
10	20	65	6	20000		12			● 0003-509 191
17	25	68	6	18000		12	● 0002-509 142		● 0002-509 192
17	25	69	6	18000		12		● 0002-509 162	
17	25	69	6	18000	POS Card	8		● 7002-509 162	
25	25	75	6	18000		12	● 0002-509 143	● 0002-509 163	● 0002-509 193
30	25	68	6	15000		12	● 0002-509 144	● 0002-509 164	● 0002-509 194
30	25	68	6	15000	POS Card	8		● 7002-509 164	

Ø	T	L	S	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30	Brass 0.30
10	20	60	6	20000		12	● 0003-509 341	● 0003-509 361	
10	20	65	6	20000		12			● 0003-509 561
17	25	68	6	18000		12	● 0002-509 342	● 0002-509 362	● 0002-509 562
25	25	75	6	18000		12	● 0002-509 343	● 0002-509 363	● 0002-509 563
30	25	68	6	15000		12	● 0002-509 344	● 0002-509 364	● 0002-509 564



Appearance can vary from picture depending on variant.



EUPBEB006 | SUPERIOR ★★☆☆☆

## End brushes, knotted wire

**Knotted end brush, industrial quality, for use on high-speed machines.**

- The diameter of the brush changes with increasing work speed; the brush flares, meaning different bore diameters can be worked on
- TÜV-Süd certified (design tested, production monitored)

**Application:** Rust removal, paint stripping, deburring, weld seams.

Available on a practical display card with Eurostandard hole for ideal presentation at the POS.



### Important

The brushes flare when the machine is running (see picture). The table below provides information on the extent of brush flaring in relation to body diameter and rotation speed.

Recommended working speed about 50% of the max. min<sup>-1</sup>

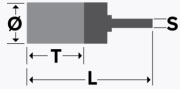
Body Ø	Wire thickness	At speed ≤ min <sup>-1</sup> 5,000	At speed ≤ min <sup>-1</sup> 8,000	At speed ≤ min <sup>-1</sup> 15,000
20	0.26	55	70	75
20	0.35	25	50	70
23	0.26	40	65	75
23	0.35	35	55	70
30	0.26	55	70	85
30	0.35	50	70	80

Ø	T	L	S	RPM max.	PKG.		Steel 0.25	Steel 0.35	Stainless Steel 0.25	Stainless Steel 0.35
20	29	72	6	20000		12	● 0002-630 304	● 0002-630 305	● 0002-630 328	
20	29	72	6	22000	POS Card	8		● 7002-630 305		
23	29	72	6	20000		12	● 0002-630 310	● 0002-630 311	● 0002-630 334	● 0002-630 335
30	29	72	6	20000		12	● 0002-630 316	● 0002-630 317	● 0002-630 340	● 0002-630 341





Appearance can vary from picture depending on variant.



EUPBEB007 | EVOLUTION ★★★★★

## End brushes, knotted wire

**Ruftuf end brushes, high-end quality, with high-performance wire developed by Osborn, for use on high-speed machines.**

- High-performance wire developed by Osborn
- Particularly cost-effective, long life, high tensile strength, high breaking strain and short set-up times
- The diameter of the brush changes with increasing work speed; the brush flares, meaning different bore diameters can be worked on
- Aggressive cleaning performance
- TÜV-Süd certified (design tested, production monitored)

**Application:** Rust removal, paint stripping, deburring, weld seams.

**Please note:** Stainless steel variants are degreased




### Important

The brushes flare when the machine is running (see picture). The table below provides information on the extent of brush flaring in relation to body diameter and rotation speed.

Recommended working speed about 50% of the max. min<sup>-1</sup>

Body Ø	Wire thickness	At speed ≤ min <sup>-1</sup> 5,000	At speed ≤ min <sup>-1</sup> 8,000	At speed ≤ min <sup>-1</sup> 15,000
20	0.26	55	70	75
20	0.35	25	50	70
23	0.26	40	65	75
23	0.35	35	55	70
30	0.26	55	70	85
30	0.35	50	70	80

Ø	T	L	S	RPM max.		Steel 0.15	Steel 0.25	Steel 0.35	Steel 0.50
20	29	72	6	20000	12	● 9906-030 302	● 9906-030 304	● 9906-030 305	
23	29	72	6	20000	12	● 9906-030 308	● 9906-030 310	● 9906-030 311	● 9906-030 312
30	29	72	6	20000	12	● 9906-030 314	● 9906-030 316	● 9906-030 317	● 9906-030 318

Ø	T	L	S	RPM max.		Stainless Steel 0.15	Stainless Steel 0.25	Stainless Steel 0.26	Stainless Steel 0.35
20	29	72	6	20000	12	● 9906-030 326		● 9906-030 328	● 9906-030 329
23	29	72	6	20000	12	● 9906-030 332	● 9906-030 334		● 9906-030 335
30	29	72	6	20000	12	● 9906-030 338	● 9906-030 340		● 9906-030 341



Appearance can vary from picture depending on variant.



EUPBEB008 | SUPERIOR ★★★★★

### End brushes, knotted wire

**Knotted end brush, industrial quality, for use on high-speed machines.**

- Particularly suited for areas extremely difficult to access
- For pinpoint work

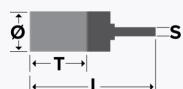
**Application:** Removal of oxide layers and for deburring.

Ø	T	L	S	RPM max.		Steel 0.25	Steel 0.35	Steel 0.50
10	26	72	6	4500	12	● 9803-630 151	● 9803-630 171	● 9803-630 101

Ø	T	L	S	RPM max.		Stainless Steel 0.25	Stainless Steel 0.35	Stainless Steel 0.50
10	26	72	6	4500	1			● 9803-630 301
10	26	72	6	4500	12	● 9803-630 351	● 9803-630 371	



Appearance can vary from picture depending on variant.



EUPBEB009 | SUPERIOR ★★★★★

### End brushes, crimped wire

**Crimped end brush, industrial quality, for use on high-speed machines.**

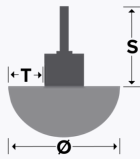
- Extra long shape
- Can penetrate deep into bores to reach places difficult to access
- Flexible

**Application:** Internal finishing, rust removal, paint stripping, deburring, rounding edges.

Ø	T	L	S	RPM max.		Steel 0.20	Steel 0.30	Stainless Steel 0.20	Stainless Steel 0.30
10	20	118	6	9000	10				● 0003-509 369
10	20	118	6	10000	25		● 0003-509 169		
10	20	120	6	9000	10	● 0003-509 149		● 0003-509 349	



Appearance can vary from picture depending on variant.



EUPBEB011 | SUPERIOR ★★★★★

## End brushes, crimped wire

**Crimped end brush, industrial quality, for use on high-speed machines.**

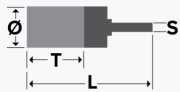
- Flexible
- The special shape of the brush means frontal and radial processing is possible in one step

**Application:** Minor cleaning work, removal of corrosion and coating.

Ø	T	S	RPM max.		Steel 0.30
50	14	6	18000	5	● 0002-509 165
70	20	6	15000	5	● 0002-509 167



Appearance can vary from picture depending on variant.



EUPBEB012 | SUPERIOR ★★★★★

## End brushes, crimped wire

**Crimped end brush, industrial quality, for use on high-speed machines.**

- Particularly suited for areas extremely difficult to access
- For pinpoint work
- Adapts very well to the component's outline

**Application:** Removal of oxide layers, deburring, removal of coatings such as paint and primers.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	L	S	RPM max.	PKG.		Steel 0.40
8	29	86	6	12000		12	● 0024-509 101
9.5	29	85	6	12000	POS Box	12	● 0024-509 102
10	27	186	6	12000		6	● 1224-509 101
12	29	88	6	12000		12	● 0024-509 111
12	55	114	6	12000		6	● 0014-509 102
20	25	72	6	12000		6	● 0024-509 103



Appearance can vary from picture depending on variant.



EUPBEB013 | SUPERIOR ★★☆☆☆

## End brushes, straight/crimped wire

**End brush with pointed shape, industrial quality, for use on high-speed machines.**

- Particularly aggressive
- For places difficult to access and internal surfaces

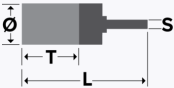
**Application:** Removal of burrs, scales, slag, paint, moulding sand and other debris.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	T	L	S	RPM max.	PKG.		Steel 0.40	Steel 0.50	Stainless Steel 0.30	Stainless Steel 0.50
9.5	32	89	6	12000		12	● 0124-509 101		● 0074-509 301	
10	27	186	6	7000	POS Box	6	● 2224-509 101			
10	31	87	6	12000		12	● 0224-509 101			
11	32	91	6	12000		6				● 0004-509 302
12	30	89	6	12000		12	● 0124-509 111			
19	31	82	6	12000		6		● 0124-509 103		● 0124-509 303
19	64	115	6	4000		6		● 0024-509 100		
25	35	86	6	12000		6				● 0014-509 304



Appearance can vary from picture depending on variant.



EUPBEB014 | EVOLUTION ★★★★★

# End brushes, abrasive filament

End brush with abrasive filament in high-end quality for use on high-speed machines and power drills.

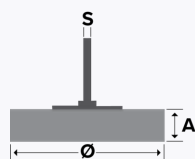
- High flexibility
- Suitable for wet and dry work and long service life given perfect conditions
- Low contact pressure and low build-up of heat
- Resistant to weak acids and bases
- No clogging of the trim surface with working residues

**Application:** Deburring, edge rounding, surface finishing.

Ø	T	L	S	RPM max.		Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
10	25	75	6	8000	12	● 9906-030 488	● 9906-030 489	● 9906-030 490
15	25	68	6	5000	12	● 9906-030 492	● 9906-030 493	● 9906-030 494
22	25	75	6	5000	12		● 9906-030 497	● 9906-030 498
28	25	68	6	5000	12	● 9906-030 500	● 9906-030 501	● 9906-030 502



Appearance can vary from picture depending on variant.



EUGMFW001 | SUPERIOR ★★☆☆☆

## Flap wheels

**Coated abrasive flap wheels with aluminium oxide, industrial quality, for use on high-speed machines.**

- Homogeneous pattern
- Adapt perfectly to complex contours
- Small surfaces that are difficult to access can be reached perfectly
- Can be used universally on many different materials

**Application:** Pre-sanding and texturing. Burrs and scratches can be removed. For the surface treatment of almost all parts made of steel, aluminium, non-ferrous metals, wood and hard plastic.

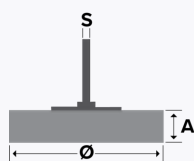
Ø	A	S	RPM max.		Aluminium Oxide 40	Aluminium Oxide 60	Aluminium Oxide 120
30	10	6	25400	10	● 0043-003 010	● 0063-003 010	
30	15	6	25400	10	● 0043-003 015	● 0063-003 015	● 0123-003 015
40	15	6	19100	10	● 0043-004 015	● 0063-004 015	
40	20	6	19100	10	● 0043-004 020	● 0063-004 020	
40	30	6	17000	10	● 0063-004 030		● 0123-004 030
50	15	6	15200	10	● 0043-005 015	● 0063-005 015	
50	20	6	15200	10	● 0043-005 020	● 0063-005 020	
50	30	6	15200	10	● 0043-005 030	● 0063-005 030	● 0123-005 030
60	20	6	12700	10	● 0043-006 020	● 0063-006 020	● 0123-006 020
60	30	6	12700	10	● 0043-006 030	● 0063-006 030	● 0123-006 030
60	40	6	12700	10	● 0043-006 040	● 0063-006 040	
60	50	6	12700	10	● 0043-006 050	● 0063-006 050	
80	30	6	8900	10	● 0043-008 030	● 0063-008 030	
80	40	6	8900	10		● 0063-008 040	
80	50	6	8900	10	● 0043-008 050		● 0123-008 050

Ø	A	S	RPM max.		Aluminium Oxide 150	Aluminium Oxide 180	Aluminium Oxide 240
30	10	6	25400	10			● 0243-003 010
30	15	6	25400	10			● 0243-003 015
40	15	6	19100	10		● 0183-004 015	
50	15	6	15200	10	● 0153-005 015		
50	20	6	15200	10	● 0153-005 020		
50	30	6	15200	10	● 0153-005 030	● 0183-005 030	
60	20	6	12700	10	● 0153-006 020	● 0183-006 020	
60	30	6	12700	10		● 0183-006 030	● 0243-006 030
60	40	6	12700	10			● 0243-006 040
60	50	6	12700	10	● 0153-006 050		● 0243-006 050
80	40	6	8900	10	● 0153-008 040		● 0243-008 040
80	50	6	8900	10			● 0243-008 050





Appearance can vary from picture depending on variant.



EUGMFW002 | SUPERIOR ★★☆☆☆

## Coated abrasive and non-woven combi flap wheels

**Combi flap wheel with coated abrasives and non-woven material, industrial quality, for use on high-speed machines.**

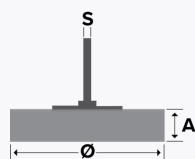
- The combination of two trim materials means minor scratches can be removed, and simultaneously the workpiece can be perfectly readied for satin finishing
- The surface pattern can be tailored to individual needs depending on cutting speed and contact pressure
- The combination of abrasive fleece and non-woven material enhances the sanding effect of the fleece

**Application:** Fine surface pattern and readying for satin finishing. Ideal for removing minor scratches; final finish also possible depending on grit size.

Ø	A	S	RPM max.		Aluminium Oxide 60	Aluminium Oxide 80	Aluminium Oxide 150	Silicon Carbide 240
40	20	6	17100	10	● 0063-404 020	● 0083-404 020	● 0153-404 020	● 1243-404 020
40	30	6	17100	10	● 0063-404 030		● 0153-404 030	● 1243-404 030
50	20	6	13700	10	● 0063-405 020		● 0153-405 020	● 1243-405 020
50	30	6	13700	10	● 0063-405 030	● 0083-405 030	● 0153-405 030	● 1243-405 030
50	40	6	13700	10	● 0063-405 040			● 1243-405 040
60	30	6	11500	10	● 0063-406 030		● 0153-406 030	● 1243-406 030
60	40	6	11500	10	● 0063-406 040	● 0083-406 040	● 0153-406 040	● 1243-406 040
60	50	6	11500	10	● 0063-406 050			● 1243-406 050
80	40	6	8600	10	● 0063-408 040		● 0153-408 040	● 1243-408 040
80	50	6	8600	10	● 0063-408 050	● 0083-408 050	● 0153-408 050	● 1243-408 050



Appearance can vary from picture depending on variant.



EUGMFW003 | SUPERIOR ★★★★★

## Non-woven abrasive flap wheels

**Non-woven abrasive flap wheel with aluminium oxide abrasive grit, industrial quality, for use on high-speed machines.**

- Fine and harmonious surface finish due to the dense structure of the non-woven material
- Besides the main application, oxide layers can be cleaned off and wood and plastic can be smoothed

**Application:** Matting, satin and final finishing.

### Comparable grits Fleece vs. FEPA

- Coarse = 80 - 120
- Medium = 150 - 220
- Fine = 240 - 360
- Very fine = 400 - 600

### Good to know

Flap wheels are excellently suited to surface cleaning. They generate a surface pattern of high density on all metal surfaces.

With aluminium oxide.

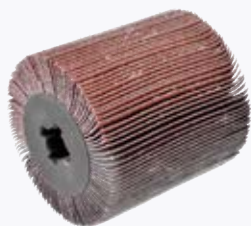
Ø	A	S	RPM max.		Aluminium Oxide coarse	Aluminium Oxide fine	Aluminium Oxide medium	Aluminium Oxide very fine
40	20	6	17100	10	● 0083-304 020	● 0243-304 020	● 0153-304 020	● 0323-304 020
40	30	6	17100	10	● 0083-304 030	● 0243-304 030	● 0153-304 030	
50	30	6	13700	10	● 0083-305 030	● 0243-305 030	● 0153-305 030	● 0323-305 030
50	40	6	13700	10	● 0083-305 040	● 0243-305 040	● 0153-305 040	● 0323-305 040
60	30	6	11500	10	● 0083-306 030	● 0243-306 030	● 0153-306 030	● 0323-306 030
60	50	6	11500	10		● 0243-306 050	● 0153-306 050	
80	50	6	8600	10	● 0083-308 050	● 0243-308 050	● 0153-308 050	



**Burnishing Machines**

Abrasive Rollers ..... 92

Roller Brushes ..... 94



EUGMFR001 | SUPERIOR ★★★★★

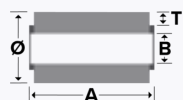
## Abrasive flap rollers

**Abrasive flap rollers, industrial quality, for use on burnishing machines.**

- Coated abrasive with aluminium oxide
- Generates a homogeneous surface pattern

**Application:** For pre-sanding and texturing.

Appearance can vary from picture depending on variant.



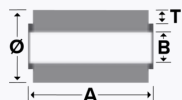
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	B	RPM max.	PKG.		Aluminium Oxide 40	Aluminium Oxide 60	Aluminium Oxide 80
100	100	19	5000	POS Box	1	● 0043-010 100	● 0063-010 100	● 0083-010 100

Ø	A	B	RPM max.	PKG.		Aluminium Oxide 120	Aluminium Oxide 180	
100	100	19	5000	POS Box	1	● 0123-010 100	● 0183-010 100	



Appearance can vary from picture depending on variant.



EUGMFR002 | SUPERIOR ★★★★★

## Coated abrasive and non-woven combi rollers

**Abrasive flap rollers with non-woven and abrasive cloth combined, industrial quality, for use on burnishing machines.**

- Coated abrasive with aluminium oxide
- Generates a fine surface pattern
- Ideal for removing small scratches

**Application:** For preparation of a satin finishing process.

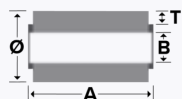


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	B	RPM max.	PKG.		Aluminium Oxide 60 coarse	Aluminium Oxide 80 medium	Aluminium Oxide 120 fine	Aluminium Oxide 150 very fine	Aluminium Oxide 240
100	100	19	5700	POS Box	1	● 0063-410 100	● 0083-410 100	● 0123-410 100	● 0183-410 100	● 0243-010 100



Appearance can vary from picture depending on variant.



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## Non-woven (satin) finishing rollers

**Satin finish rollers with non-woven abrasive material, industrial quality, for use on burnishing machines.**

- Generates a satin, matted surface on all materials
- The surface pattern varies depending on the grit (from coarse to very fine)

**Application:** For creating satin finished surfaces.

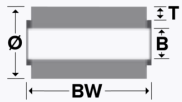


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	B	RPM max.	PKG.		Aluminium Oxide coarse	Aluminium Oxide fine	Aluminium Oxide very fine
100	100	19	5700	POS Box	1	● 0083-310 100	● 0183-310 100	● 0283-310 100



Appearance can vary from picture depending on variant.



EUPBRB002 | SUPERIOR ★★☆☆☆

## Roller brushes for burnishing machines, abrasive / nature filament

**Roller brush with abrasive / nature filament in industrial quality, for use on burnishing machines.**

- 4 abrasive bristle grits with different filament diameters available (the finer the grit, the smaller the Ø)
- Long trim length makes trimming flexible to reach tight wood grains
- Abrasive bristles are ideal for creating a rustic wood texture into softwood or sanding hardwood after structuring
- Different arbor bores and dimensions available for several machine types

**Application:** Abrasive bristles: Structuring softwood and sanding hardwood  
Fibre: General cleaning and dedusting operations

**Please note:** Bore Ø19 for common burnishing machines like e.g. Metabo, Flex Bore Ø12,7 for Makita brush sanders

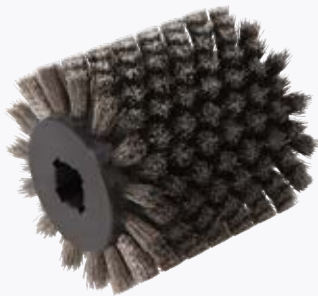


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	BW	T	B	RPM max.	PKG.		Silicon Carbide 60	Silicon Carbide 80	Silicon Carbide 120
100	100	20	19.2	5000	POS Box	1	● 6931-401 912	● 6941-401 912	● 6951-401 912
100	120	20	12.7	5000	POS Box	1	● 3931-411 912	● 3941-411 912	● 3901-411 912

Ø	BW	T	B	RPM max.	PKG.		Silicon Carbide 240	Fibre	
100	100	20	19.2	5000	POS Box	1	● 6961-401 912	● 6911-401 942	
100	120	20	12.7	5000	POS Box	1	● 5801-411 912	● 3921-401 942	





Appearance can vary from picture depending on variant.



EUPBRB007 | SUPERIOR ★★☆☆☆

# Roller brushes for burnishing machines, crimped wire

**Roller brush with crimped wire in industrial quality, for use on burnishing machines.**

- Different arbor bores and dimensions available for several machine types
- Long trim length makes trimming flexible to reach tight wood grains
- Ideal for creating a rustic wood texture into softwood and hardwood

**Application:** Structuring softwood and hardwood

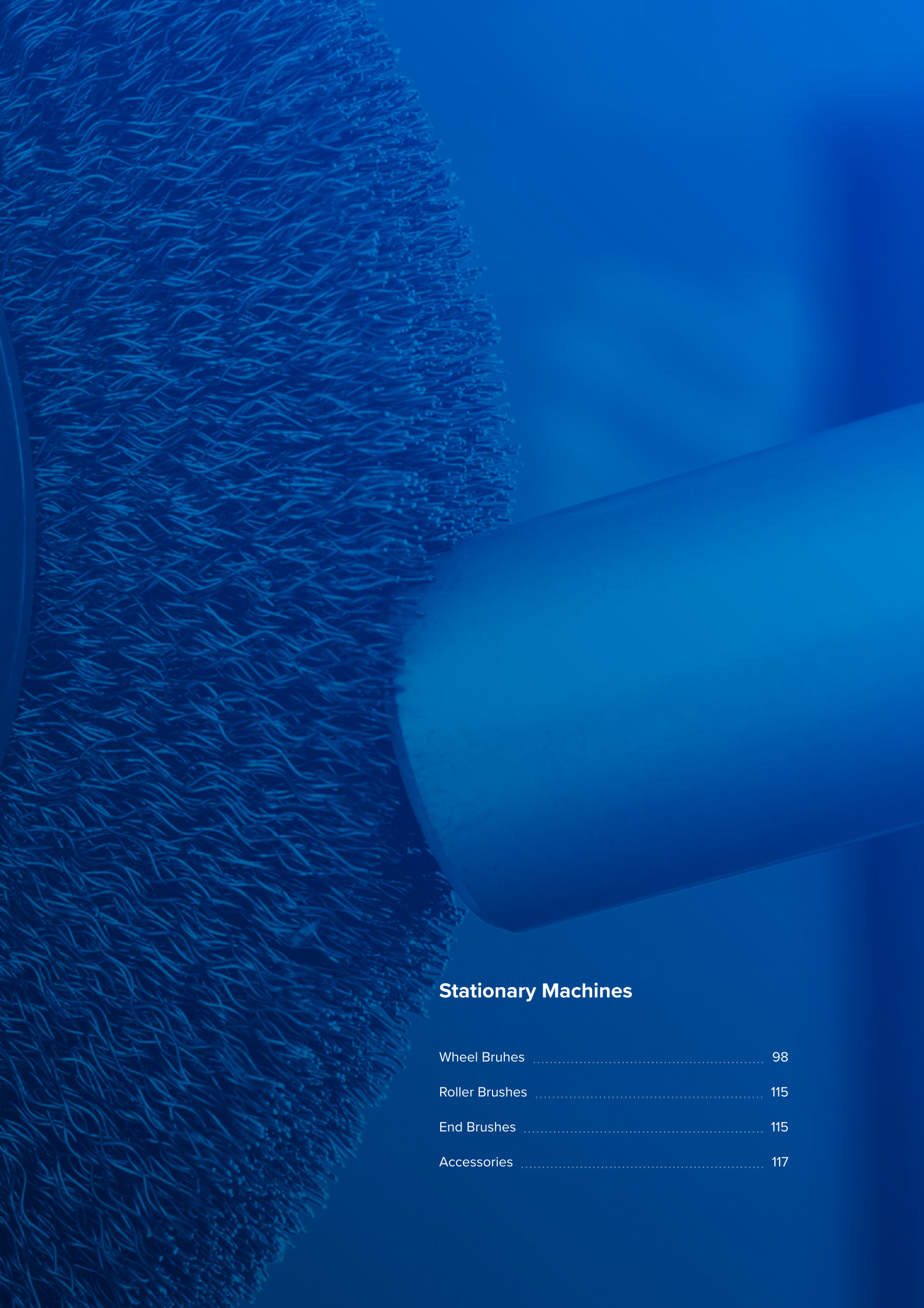
**Please note:** Bore Ø19 for common burnishing machines like e.g. Metabo, Flex Bore Ø12,7 for Makita brush sanders



Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	BW	T	B	RPM max.	PKG.		Steel 0.30	Stainless Steel 0.20	Brass Coated Steel 0.30
100	100	20	19.2	5000	POS Box	1	● 6901-401 162	● 6921-401 342	● 6921-401 062
100	120	20	12.7	5000	POS Box	1	● 3901-411 162	● 3901-411 342	● 3901-411 062





**Stationary Machines**

Wheel Bruhes .....	98
Roller Brushes .....	115
End Brushes .....	115
Accessories .....	117

## General Information

### Changing of the Standard Bore

For single-row as well as multi-row brushes, we provide brushes with standard bore "Min. B" if no other bore is specified. Alternative bores are provided in the following tables.

#### Standard Bores for Single-Row Brushes

We will be glad to change the standard bore dimension to suit your mounting. The relevant part number starts with 000200- and ends with the 4-digit code in the table. Brushes bored to bore 50.8 mm (2") can be reduced further with a 4-M adapter.

Brush Ø		Bore Ø														
mm		13		16	19	20			30		32	35	38	40	44	50.8
	inch		5/8		3/4		7/8	1		1 1/4						2
75	3	7413														
100	4	7413	7415	7416	7419	7420										
125	5	7413	7415	7416	7419	7420	7422	7425	7430	7431						
150	6	7413	7415	7416	7419	7420	7422	7425	7430	7431	7432	7435		7440	7444	
175	7	7413	7415	7416	7419	7420	7422	7425	7430	7431	7432	7435	7483			
200	8				7419	7420	7422	7425	7430	7431	7432	7435	7483			7450
250	10					7420	7422	7425	7430	7431	7432	7435		7440		7450
300	12							7425	7430	7431	7432	7435		7440		7450
350	14									7431	7432	7435		7440		7450

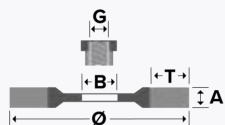
#### Standard Bores for Multi-Row Brushes

Multi-row brushes mounted via tube are reduced by pressing in our robust metal adapters (kept in stock). The adapters available for every tube diameter are in the following table. The relevant part number starts with 000200- and ends with the 4-digit code in the following table.

Tube Ø		Bore Ø														
mm		9.5	10	12.7	13	16	19	20	22.2	25.4	30	31.8	32	35	40	50.8
	inch	3/8		1/2		5/8	3/4		7/8	1		1 1/4				2
20		8109	8110	8112	8113	8116										
30		8209	8210	8212	8213	8216	8219	8220	8222	8225						
50.8	2			8412	8413	8416	8419	8420	8422	8425	8430	8431	8432	8435		
80						8616	8619	8620	8622	8625	8630	8631	8632	8635	8640	8642
100								8720	8722	8725	8730	8731	8732	8735	8740	8742
120										8825	8830	8831	8832	8835	8840	8842



Appearance can vary from picture depending on variant.



EUPBWB018 | SUPERIOR ★★☆☆☆

## Wheel brushes, knotted wire

**Knotted wheel brush, industrial quality, for mounting on stationary machines.**

- Knots are guided and secured in position, thereby prevent early wire breaks
- Slightly open knotting

**Application:** Weld seam cleaning, deburring of cast iron and steel parts with high burr generation, removal of overruns on rubber-bonded- to-metal components, removal of insulation/coatings.

**Please note:** For other bore sizes, refer to table "Standard Bores for Single-Row Brushes"

**0002-664 152** B min. and B max. = pipe diameter – for reducing the bore size, refer to the 1-A adapter

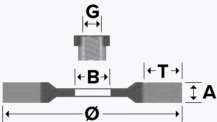
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	B min.	B max.	RPM max.	PKG.		Steel 0.35	Steel 0.50	Steel 0.80
200	13	42	20	50.8	8500		1	● 0002-664 131		
200	13	42	20	50.8	8500	POS Box	1		● 0002-664 151	● 0002-664 181
200	26	42	12.7	50.8	8500	POS Box	1		● 0002-664 152	
250	15	42	25.4	50.8	4500		2	● 0002-676 131	● 0002-676 151	● 0002-676 181
300	18	55	25.4	50.8	3600		2	● 0002-686 131	● 0002-686 151	● 0002-686 181





Appearance can vary from picture depending on variant.



EUPBWB019 | SUPERIOR ★★☆☆☆

Joint brushes, knotted wire

Knotted joint brush, industrial quality, for use on a cutting machine for road-construction.

- For speedy and efficient work
- Excellent cleaning of tight spaces that are difficult to access

**Application:** Removal of stones, gravel and other debris from (expansion) joints during road-construction.

**Please note:** For other bore sizes, refer to table "Standard Bores for Single-Row Brushes"



Joint brush used in road construction



before



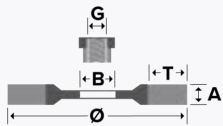
after

Ø	A	T	B	RPM max.		Steel 0.50	Steel 0.80
300	4	65	20	4500	6	● 9802-026 560	
300	6	65	20	4500	6	● 9802-026 561	● 9802-026 581
300	8	65	20	4500	6	● 9802-026 562	● 9802-026 582
300	10	65	20	4500	6	● 9802-026 563	● 9802-026 583





Appearance can vary from picture depending on variant.



EUPBWB020 | SUPERIOR ★★☆☆☆

## Wheel brushes, crimped wire

**Wheel brush with crimped wire, industrial quality, for mounting on stationary machines.**

- Several brushes of the same kind can be mounted on one shaft to increase the working width
- TÜV-Süd certified (safety tested, production monitored)
- Very high flexibility
- Suitable for geometrically challenging parts

**Application:** Smoothing, deburring, edge rounding, texturing, rust removal and paint stripping of steel, cast steel and stainless steel.

**Please note:** For other bore sizes, refer to table "Standard Bores for Single-Row Brushes"

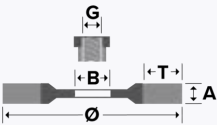
Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	B min.	B max.	RPM max.	PKG.		Steel 0.20	Steel 0.30
75	11	15	13	13	10000	POS Box	5		● 0002-511 161
100	13	23	13	20	8000	POS Box	8	● 0002-522 141	● 0002-522 161
125	15	35	13	20	6000	POS Box	5		● 0002-532 161
150	16	32	13	32	6000		8		● 0002-544 161
150	16	32	13	32	6000	POS Box	4	● 0002-544 141	
178	18	45	13	32	6000		8		● 0002-554 161
178	18	45	13	32	6000	POS Box	4	● 0002-554 141	
200	19	33	19	50.8	4500	POS Box	1		● 0002-566 161
200	19	38	19	50.8	4500	POS Box	2	● 0002-566 141	
250	22	35	20	50.8	3600		2	● 0002-576 141	● 0002-576 161
300	26	58	20	50.8	3000		1		● 0002-587 161

Ø	A	T	B min.	B max.	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30
100	13	23	13	20	8000	POS Box	8	● 0002-522 341	● 0002-522 361
125	15	35	13	20	6000	POS Box	5		● 0002-532 361
150	16	32	13	32	6000	POS Box	2		● 0002-544 361
150	16	32	13	32	6000	POS Box	3	● 0002-544 341	
178	18	45	13	32	6000	POS Box	4	● 0002-554 341	● 0002-554 361
200	19	38	19	50.8	4500	POS Box	2		● 0002-566 361
250	22	35	20	50.8	3600		2	● 0002-576 341	● 0002-576 361
300	26	58	20	50.8	3000		2	● 0002-587 341	



Appearance can vary from picture depending on variant.



EUPBWB021 | SUPERIOR ★★☆☆☆

Band saw brush

Band saw brush with nylon trim, industrial quality, for mounting on stationary machines.

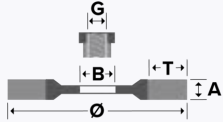
- Long service life; efficient working
- Prolonged saw blade life
- The saw blade can work through the wood easier because there is no great generation of chips

**Application:** Cleaning the chip chambers of saw blades. When the brush presses against the moving saw blade, the brush is set into motion and the brush cleans the chip chambers of saw blades.

Ø	A	T	B	RPM max.		Nylon 0.80
100	15	20	13	8000	10	● 0003-515 827



Appearance can vary from picture depending on variant.



EUPBWB022 | EVOLUTION ★★★★★

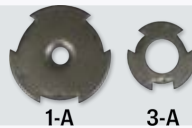
## Wheel brushes, crimped Osborn wire

**Crimped wheel brush, high-end quality, for mounting on stationary machines.**

- Specially hardened Osborn wire for industrial applications
- Several brushes of the same kind can be mounted on one shaft
- Very high wire count / wire density
- Filled without gaps; Lower wear
- Homogeneous results

**Application:** Automated manufacturing processes for the deburring of machined and sawn cutting edges and surfaces.

**Please note:** For other bore sizes, refer to table "Standard Bores for Single-Row Brushes"



Accessories available: Interchangeable metal adapters "1A / 3A". More on page 118

Accessories available: 4-M adapters for tortoise-shape bores. More on page 117



MONITOR® – Round bore



MATIC® – Keyway bore



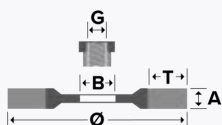
MASTER® – Turtle bore

Ø	A	T	B	B Type	Adapt.	RPM max.		Steel 0.15	Steel 0.20
200	18	38	50.8	Keyways	1A	4500	2	● 9906-021 183	● 9906-021 184
200	22	37	50.8	Keyways	1A	4500	1	● 9906-022 081	● 9906-022 082
250	26	60	50.8	Turtle	4M	3600	2		● 9906-013 008

Ø	A	T	B	B Type	Adapt.	RPM max.		Steel 0.30	Stainless Steel 0.26
150	14	29	31.8	round	3A	6000	6		● 9906-021 059
200	22	37	50.8	Keyways	1A	4500	2	● 9906-022 085	
250	26	60	50.8	Turtle	4M	3600	2	● 9906-013 009	
300	28	60	50.8	Turtle	4M	3000	2	● 9906-013 021	
380	32	72	50.8	Turtle	4M	2400	1	● 9906-013 057	



Appearance can vary from picture depending on variant.



EUPBWB023 | SUPERIOR ★★☆☆☆

## Wheel brushes, crimped wire

**Multi-row wheel brush with crimped wire, industrial quality, for mounting on stationary machines.**

- Aggressive variant
- TÜV-Süd certified (safety tested, production monitored)
- Larger body, so more wire tips are simultaneously in use
- High wire density

**Application:** On a workbench grinder or table deburrer for rust/paint removal, cleaning, roughening or deburring.

**Please note:** For brushes with Ø250-300mm, please specify the bore required when ordering. For other bore sizes, refer to table "Standard Bores for Multi-Row Brushes".


Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.


Accessories available: Side Plates. More on page 117



### Bore reduction pieces included (adapter set)

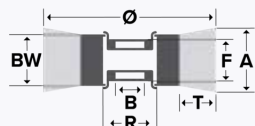
- Ø 75-125 mm: 20 mm | 1/2" and 5/8"
- Ø 150-200 mm: 31.75 | 13 | 15 | 16 | 19 | 20 mm | 7/8" and 1"

Ø	A	T	B max.	R	Adapt.	RPM max.	PKG.		Steel 0.20	Steel 0.30	Steel 0.50
75	19	16	20		adapter set	10000	POS Box	4		● 9902-511 162	
100	20	23	20	30	adapter set	8000	POS Box	5	● 9902-522 142	● 9902-522 162	
100	28	23	20	30	adapter set	8000	POS Box	5		● 9902-522 163	
125	22	30	20	30	adapter set	6000	POS Box	5	● 9902-532 142	● 9902-532 162	
125	30	30	20	30	adapter set	6000	POS Box	5		● 9902-532 163	
150	21	25	31.75	50.8	adapter set	6000	POS Box	3		● 9902-544 461	
150	30	29	31.75	50.8	adapter set	6000	POS Box	3	● 9902-544 142	● 9902-544 162	
150	37	29	31.75	50.8	adapter set	6000	POS Box	3		● 9902-544 163	
178	23	38	31.75	50.8	adapter set	6000	POS Box	1	● 9902-554 441	● 9902-554 461	
178	32	38	31.75	50.8	adapter set	6000	POS Box	1	● 9902-554 142	● 9902-554 162	
200	20	38	31.75	80	adapter set	4500	POS Box	1	● 9902-566 441	● 9902-566 461	
200	30	38	31.75	80	adapter set	4500	POS Box	1		● 9902-566 162	● 9902-566 192
200	38	38	31.75	80	adapter set	4500	POS Box	1	● 9902-566 143	● 9902-566 163	● 9902-566 193
250	28	47	50.8	100	side Plate	3600		1	● 9902-576 142	● 9902-576 162	
250	38	47	50.8	100	side Plate	3600		1	● 9902-576 143	● 9902-576 163	● 9902-576 193
250	55	47	50.8	100	side Plate	3600		1		● 9902-576 464	
300	32	50	50.8	120	side Plate	3000	POS Box	1			● 9902-587 192
300	44	50	50.8	120	side Plate	3000		1		● 9902-587 163	● 9902-587 193
300	46	50	101.6	151	side Plate	3000		1		● 0002-587 162	

Ø	A	T	B max.	R	Adapt.	RPM max.	PKG.		Stainless Steel 0.20	Stainless Steel 0.30	
75	19	16	20	20	adapter set	10000	POS Box	4		● 9902-511 362	
100	28	23	20	30	adapter set	8000	POS Box	4		● 9902-522 363	
125	22	30	20	30	adapter set	6000	POS Box	2	● 9902-532 342	● 9902-532 362	
150	21	25	31.75	50.8	adapter set	6000	POS Box	2	● 9902-544 341	● 9902-544 361	
200	20	38	31.75	80	adapter set	4500	POS Box	1	● 9902-566 341	● 9902-566 361	
200	30	38	31.75	80	adapter set	4500	POS Box	1	● 9902-566 342	● 9902-566 362	
200	38	38	31.75	80	adapter set	4500	POS Box	1		● 9902-566 363	
250	28	47	50.8	100	side Plate	3600	POS Box	1	● 9902-576 342	● 9902-576 362	
250	38	47	50.8	100	side Plate	3600	POS Box	1	● 9902-576 343		
300	32	50	50.8	120	side Plate	3000		1		● 9902-587 362	
300	32	50	50.8	120	side Plate	3000	POS Box	1	● 9902-587 342		
300	44	50	50.8	120	side Plate	3000		1	● 9902-587 343	● 9902-587 363	



Appearance can vary from picture depending on variant.



EUPBWB024 | SUPERIOR ★★☆☆☆

## Wheel brushes, crimped wire

**Multi-row wheel brush with crimped wire, industrial quality, for mounting on stationary machines.**

- Flexible variant due to extra long trim length
- TÜV-Süd certified (safety tested, production monitored)
- Adapts perfectly to the contours of the workpiece
- High wire density

**Application:** Fine surface finishing on geometrically challenging parts.

**Please note:** For other bore sizes, refer to table "Standard Bores for Multi-Row Brushes"

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.



### Bore reduction pieces included (adapter set)

- Ø 75-125 mm: 20 mm | 1/2" and 5/8"
- Ø 150-200 mm: 31.75 | 13 | 15 | 16 | 19 | 20 mm | 7/8" and 1"

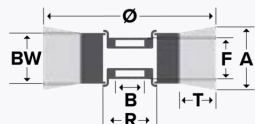
Ø	A	T	B max.	R	RPM max.	PKG.		Steel 0.20	Steel 0.30	Stainless Steel 0.20
150	24	43	20	30	6000	POS Box	3	● 9902-543 142	● 9902-543 162	
178	32	43	31.75	50.8	6000	POS Box	1		● 9902-553 162	
200	33	55	31.75	50.8	4500	POS Box	1	● 9902-565 142	● 9902-565 162	
200	42	55	31.75	51	4500	POS Box	1		● 9902-565 163	
250	32	63	50.8	80	3600		1	● 9902-575 142	● 9902-575 162	● 9902-575 342
250	42	63	50.8	80	3600		1		● 9902-575 163	
300	33	70	50.8	100	3000		1	● 9902-586 142	● 9902-586 162	● 9902-586 342
300	45	70	50.8	100	3000		1		● 9902-586 163	● 9902-586 343

Ø	A	T	B max.	R	RPM max.	PKG.		Stainless Steel 0.30	Brass 0.20	Brass 0.30
150	24	43	20	30	6000	POS Box	2	● 9902-543 362	● 9902-543 542	● 9902-543 562
150	32	43	20	30	6000	POS Box	2		● 9902-543 543	● 9902-543 563
200	33	55	31.75	50.8	4500	POS Box	1	● 9902-565 362	● 9902-565 542	● 9902-565 562





Appearance can vary from picture depending on variant.



EUPBWB025 | SUPERIOR ★★☆☆☆

## Wheel brushes for table-deburring machines, crimped wire

**Wheel brush with crimped wire, industrial quality, for mounting on deburring machines.**

- Particularly dense and compact design with maximum number of wires for high deburring performance and excellent service life
- Statically balanced with high level of concentricity accuracy
- Adaptions with double keyways 13x7 and regular holes for all common table deburrers
- Special adapters possible on request

**Application:** Cutting edge deburring of pipes, profiles and flat parts on table deburrer and automated machines. For the use on steel, stainless steel, aluminium, non-ferrous metals, wood.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Accessories available: Side Plates. More on page 117



Brush without adapter - bore type: round



Brush with adapter - bore type: keyways

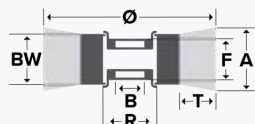
Ø	A	T	B	B Type	Adapt.	BW	F	RPM max.		Steel 0.20	Steel 0.35	Steel 0.50
250	60	45	50.8	Keyways		50	35	3600	1	● 5642-576 145	● 5642-576 175	● 5642-576 195
250	60	45	52.9	Keyways		50	35	3600	1	● 3032-576 145	● 3032-576 175	● 3032-576 195
250	60	45	54.7	Keyways		50	35	3600	1	● 1002-576 145	● 5542-576 175	● 5542-576 195
250	60	45	100	round	side Plate	50	50	3600	1	● 0002-576 145	● 0042-576 475	● 0002-576 195
300	60	70	50.8	Keyways		50	35	2800	1	● 8302-586 145	● 5642-586 175	● 7702-586 195

more on next page →

Ø	A	T	B	B Type	Adapt.	BW	F	RPM max.		Stainless Steel 0.20	Stainless Steel 0.35	Stainless Steel 0.50
250	60	45	50.8	Keyways		50	35	3600	1	● 5642-576 345	● 5642-576 375	● 5642-576 395
250	60	45	52.9	Keyways		50	35	3600	1	● 3032-576 345	● 3032-576 375	● 3032-576 395
250	60	45	54.7	Keyways		50	35	3600	1	● 1002-576 345	● 5742-576 375	● 5742-576 395
250	60	45	100	round	side Plate	50	50	3600	1	● 0002-576 345	● 0002-576 375	● 0002-576 395
300	60	70	50.8	Keyways		50	35	2800	1	● 4802-586 345	● 8702-586 375	● 1402-586 395



Appearance can vary from picture depending on variant.



EUPBWB026 | SUPERIOR ★★☆☆☆

## Wheel brushes for table-deburring machines, abrasive filament

**Wheel brush with abrasive trim, industrial quality, for mounting on deburring machines.**

- Particularly dense and compact design with maximum number of bristles for high deburring performance and excellent service life
- Statically balanced with high level of concentricity accuracy
- Adaptions with double keyways and regular holes for all common table deburrers
- Special adapters possible on request

**Application:** Cutting edge deburring of pipes, profiles and flat parts on table deburrer and automated machines.



**Accessories available: Side Plates. More on page 117**



Brush without adapter - bore type: round

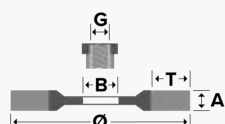


Brush with adapter - bore type: keyways

Ø	A	T	B	B Type	Adapt.	BW	F	RPM max.		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 180
250	60	45	50.8	Keyways		53	35	3600	1		● 1232-576 916	
250	60	45	50.8	Keyways		53	38	3600	1	● 0102-576 916		● 1332-576 916
250	60	45	52.9	Keyways		53	35	3600	1		● 0122-576 916	
250	60	45	52.9	Keyways		53	38	3600	1	● 0112-576 916		● 0132-576 916
250	60	45	54.7	Keyways		53	35	3600	1		● 1202-576 916	
250	60	45	54.7	Keyways		53	38	3600	1			● 1302-576 916
250	60	45	54.7	Keyways		53	53	3600	1	● 1102-576 916		
250	60	45	100	round	side Plate	53	50	3600	1		● 0002-576 906	
250	60	45	100	round	side Plate	53	53	3600	1	● 2102-576 916		● 0002-576 916
300	60	70	50.8	Keyways		53	35	2800	1		● 4812-576 917	
300	60	70	50.8	Keyways		53	38	2800	1	● 4802-576 917		● 4832-576 917



Appearance can vary from picture depending on variant.



EUPBWB027 | EVOLUTION ★★★★★

## UNI-Master® wheel brushes, abrasive filament

Wheel brush with abrasive trim, industrial quality, for mounting on deburring machines.

- Particularly dense and compact design with maximum number of abrasive bristles for high deburring performance and excellent service life
- Statically balanced with high concentricity accuracy
- For dry and wet application
- Resistant to weak acids and bases
- Fitted individually or combined on shaft

**Application:** Cutting edge deburring of pipes, profiles and flat parts made of non-ferrous metals on table deburrer and automated machines.



Accessories available: Reducing Ring "HP-Adapter". More on page 49

Accessories available: 4-M adapters for tortoise-shape bores. More on page 117



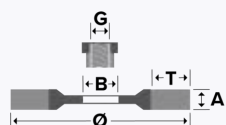
Ø	A	T	B	B Type	Adapt.	RPM max.		Silicon Carbide 80	Silicon Carbide 120
75	12	15	15.88	round	HP	20000	6	● 9906-015 001	● 9906-015 002
100	13	20	15.88	round	HP	12000	6		● 9906-015 026
100	16	20	15.88	round	HP	12000	6	● 9906-015 025	
125	16	30	15.88	round	HP	12000	6	● 9906-015 035	● 9906-015 036
150	17	32	22.2	round	HP	8000	6	● 9906-015 079	
150	17	32.5	22.2	round	HP	8000	6		● 9906-015 080
178	20	47	22.2	round	HP	8000	2	● 9906-015 040	● 9906-015 041
200	18	35	50.8	Turtle	4M	6000	2	● 9906-015 050	● 9906-015 051
250	18	35	50.8	Turtle	4M	3000	2	● 9906-015 056	● 9906-015 057
250	18	60	50.8	Turtle	4M	3600	2	● 9946-015 056	● 9946-015 057
300	18	35	50.8	Turtle	4M	2400	2	● 9906-015 062	● 9906-015 063
300	18	60	50.8	Turtle	4M	3000	2		● 9966-015 063
350	19	55	50.8	Turtle	4M	2400	2		● 9906-015 069

more on next page →

Ø	A	T	B	B Type	Adapt.	RPM max.		Silicon Carbide 180	Silicon Carbide 320
75	12	15	15.88	round	HP	20000	6	● 9906-015 003	
75	12	15	16	round	HP	20000	6		● 9906-015 004
100	13	20	15.88	round	HP	12000	6		● 9906-015 028
100	16	20	15.87	round	HP	12000	6	● 9906-015 027	
125	16	30	15.87	round	HP	12000	6		● 9906-015 038
125	16	30	15.88	round	HP	12000	6	● 9906-015 037	
150	17	32	22.2	round	HP	8000	6	● 9906-015 081	● 9906-015 082
178	20	47	22.2	round	HP	8000	2	● 9906-015 042	● 9906-015 043
200	18	35	50.8	Turtle	4M	6000	2	● 9906-015 052	● 9906-015 053
250	18	35	50.8	Turtle	4M	3000	2	● 9906-015 058	● 9906-015 059
250	18	60	50.8	Turtle	4M	3000	2	● 9946-015 058	
250	18	60	50.8	Turtle	4M	3600	2		● 9946-015 059
300	18	35	50.8	Turtle	4M	2400	2	● 9906-015 064	● 9906-015 065
300	18	60	50.8	Turtle	4M	3000	2	● 9966-015 064	● 9966-015 065
350	19	55	50.8	Turtle	4M	2400	2	● 9906-015 070	● 9906-015 071



Appearance can vary from picture depending on variant.



EUPBWB028 | SUPERIOR ★★☆☆☆

## Wheel brushes, abrasive filament

**Wheel brush with abrasive bristles, industrial quality, for use on stationary machines.**

- Cost-effective finishing of components with many contours in dry applications
- Suitable for defined edge rounding
- NHS trim material - Also suitable for use with coolants

**Application:** Finishing of surfaces and pipe/profile sections, particularly good for aluminium, non-ferrous metals and synthetics.

**Please note:** For other bore sizes, refer to table "Standard Bores for Single-Row Brushes"

**9902-515 001** Suitable for use with coolants

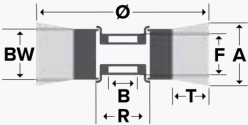
**9902-515 025** Suitable for use with coolants

Ø	A	T	B min.	B max.	B	RPM max.		Silicon Carbide 80	Silicon Carbide 120
75	12	13	13	13	13	20000	6	● 9902-515 001	● 9902-515 002
100	18	18	13	20	13	12000	6	● 9902-515 025	● 9902-515 026
150	18	32	13	44	13	6000	6	● 9902-515 079	● 9902-515 080
178	18	45	13	32	13	8000	4	● 9902-515 040	● 9902-515 041
200	18	31	19	50.8	19	6000	2	● 9902-515 050	● 9902-515 051
250	18	60	20	50.8	20	3000	2	● 9962-515 056	● 9962-515 057
250	20	35	20	50.8	20	3600	2	● 9902-515 056	● 9902-515 057
300	20	35	20	50.8	20	2400	2	● 9902-515 062	● 9902-515 063
300	20	60	20	50.8	20	3000	2	● 9962-515 062	● 9962-515 063
350	20	57	32	50.8	32	2400	2		● 9902-515 069

Ø	A	T	B min.	B max.	B	RPM max.		Silicon Carbide 180	Silicon Carbide 320
75	12	13	13	13	13	20000	6	● 9902-515 003	● 9902-515 004
100	18	18	13	20	13	12000	6	● 9902-515 027	● 9902-515 028
150	18	32	13	32	13	6000	6		● 9902-515 082
150	18	32	13	44	13	6000	6	● 9902-515 081	
178	18	45	13	32	13	8000	4	● 9902-515 042	● 9902-515 043
200	18	31	19	50.8	19	6000	2	● 9902-515 052	● 9902-515 053
250	18	60	20	50.8	20	3000	2		● 9962-515 059
250	18	60	20	50.8	20	3600	2	● 9962-515 058	
250	20	35	20	50.8	20	3000	2	● 9902-515 058	
300	20	35	20	50.8	20	2400	2	● 9902-515 064	● 9902-515 065
300	20	60	20	50.8	20	3000	2	● 9962-515 064	● 9962-515 065



Appearance can vary from picture depending on variant.



EUPBWB031 | XTREME ★★★★★★

## Wheel brushes for table-deburring machines, Xtreme wire, crimped

Wheel brushes with crimped Xtreme wire in high-end quality for use on stationary machines.

- Particularly high wire density
- Aggressive design
- High deburring performance and outstanding tool life
- Adjustable immersion depth - adapts to the contours of complex components
- Fast and effective deburring of inner and outer edges of pipe ends in a single step

**Application:** For deburring the end faces of tubes, profiles and flat parts, edge deburring



Brush without adapter - bore type: round



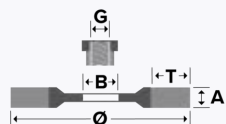
Brush with adapter - bore type: keyways

Ø	A	T	B	B Type	BW	F	RPM max.		Steel 0.30
250	60	53	50.8	Keyways	55		3600	1	● 3902-576 175





Appearance can vary from picture depending on variant.



EUPBWB032 | XTREME ★★★★★

## UNI-Master® Wheel brushes, Xtreme wire, crimped

Wheel brush with crimped Xtreme wire in high-end quality for use on stationary machines.

- Higher removal rate, aggressive removal of burrs
- High wire density and very flexible at the same time
- Can be mounted individually or assembled on a shaft
- Excellently suited for machining geometrically complex components as the brush adapts to the contour of the workpiece

**Application:** Automated production processes for deburring of machined and sawn cutting edges and surfaces

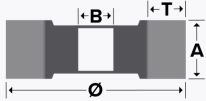


Accessories available: 4-M adapters for tortoise-shape bores. More on page 117

Ø	A	T	B	Adapt.	RPM max.		Steel 0.30
250	26	60	50.8	4M	3600	2	● 3906-013 009
300	28	60	50.8	4M	3000	2	● 3906-013 021
380	32	72	50.8	4M	2400	2	● 3906-013 057



Appearance can vary from picture depending on variant.



EUPBRB001 | SUPERIOR ★★★★★

## Roller brushes for deburring machines, crimped wire

**Roller brush with crimped wire, industrial quality, for use on deburring machines.**

- Dense and uniform trim distribution ensures homogeneous finish results; speedy and efficient deburring
- Long service life; therefore reduced tool and unit costs

**Application:** Deburring, weld seam finishing, rust/paint removal

**Please note:** Other circular and roller brushes for all popular deburring machines are available on request.

Ø	A	T	B	RPM max.		Steel 0.35	Stainless Steel 0.30
300	460	60	120	3600	1	● 4602-743 178	
300	600	60	120	3600	1	● 8802-753 478	● 1302-753 368



Appearance can vary from picture depending on variant.



EUPBEB015 | SUPERIOR ★★★★★

## End brushes for brush heads, crimped wire

**End brushes with crimped wire, high-end quality, for use in a brush head.**

- Long service life, so reduced tool costs
- For speedy and efficient working
- The eccentric and oscillating circular motion increases the working radius of the brush
- For all profile contours

**Application:** Deburring of the cutting edges of pipe ends and profiles, and surface deburring with eccentric and oscillating circular motion.

Ø	T	BL		Steel 0.20	Steel 0.35
25	95	25	16	● 0002-509 448	● 0002-509 478

Ø	T	BL		Steel 0.50	Stainless Steel 0.20
25	95	25	16	● 0002-509 498	● 0002-509 348



Appearance can vary from picture depending on variant.



EUPBEB017 | SUPERIOR ★★★★★

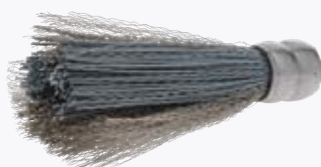
### End brushes for brush heads, abrasive fill material

**End brushes with abrasive fill material, high-end quality, for use in a brush head.**

- Long service life, so reduced tool costs
- For speedy and efficient working
- The eccentric and oscillating circular motion increases the working radius of the brush
- For all profile contours

**Application:** Deburring of the cutting edges of pipe ends and profiles, and surface deburring with eccentric and oscillating circular motion.

Ø	T	BL		Silicon Carbide 80
25	95	25	16	● 0002-509 908



Appearance can vary from picture depending on variant.



EUPBEB018 | SUPERIOR ★★★★★

### End brushes for brush heads, mixed fill material

**End brushes with mixed fill material, high-end quality, for use in a brush head.**

- Mixed fill material: crimped stainless steelwire Ø0,2 & Novofil NNS grit 120
- For speedy and efficient working
- The eccentric and oscillating circular motion increases the working radius of the brush
- For all profile contours
- Long service life, so reduced tool costs

**Application:** Deburring of the cutting edges of pipe ends and profiles, and surface deburring with eccentric and oscillating circular motion.

Ø	T	BL		Mixed Fill Material
25	95	25	16	● 5702-509 938



EUACAD006

## Side Plates

Side Plates for table deburring machines.

Appearance can vary from picture depending on variant.

adapt. from	adapt. to		Item Number
100.00	50.80	1	● 5495-560 051
100.00	54.70	1	● 5495-560 054
100.00	80.20	1	● 5495-560 080
100.00	82.00	1	● 5495-560 082



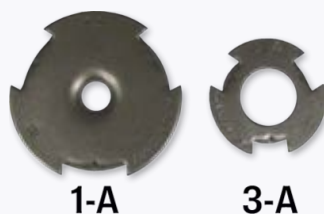
EUACAD007

## 4-M adapters for tortoise-shape bores

4-M adapters for the bore reduction of narrow wheel brushes with 2" / 50.8 mm turtle-shape bore. Reusable.

Appearance can vary from picture depending on variant.

adapt. from	adapt. to		Item Number
50.80	19.05	1	● 0003-075 066
50.80	22.20	1	● 0003-075 067
50.80	25.40	1	● 0003-075 068
50.80	28.00	1	● 0003-075 069



Appearance can vary from picture depending on variant.

EUACAD004

## Interchangeable metal adapters "1A / 3A"

1-A metal adapter interchangeable for reduction of arbor holes from bore 50,8 (2") to bore 12,7 (1/2"). Metal adapter 3-A for reducing the bore from 31,75 (1-1/4") to 13.

- Contains 1 pair = 2 pieces
- Reusable

Adapt.	adapt. from	adapt. to		Item Number
1A	50.80	10.00	1	● 0103-075 210
1A	50.80	13.00	1	● 0103-075 213
1A	50.80	16.00	1	● 0103-075 216
1A	50.80	20.00	1	● 0103-075 220
1A	50.80	25.00	1	● 0103-075 225
1A	50.80	30.00	1	● 0103-075 230
1A	50.80	31.75	1	● 0103-075 027
1A	50.80	32.00	1	● 0103-075 232
1A	50.80	35.00	1	● 0103-075 235
1A	50.80	38.00	1	● 0103-075 028
1A	50.80	40.00	1	● 0103-075 240
3A	31.75	12.70	1	● 0103-075 048
3A	31.75	13.00	1	● 0103-075 313
3A	31.75	16.00	1	● 0103-075 316
3A	31.75	19.00	1	● 0103-075 050
3A	31.75	20.00	1	● 0103-075 320
3A	31.75	22.20	1	● 0103-075 051
3A	31.75	25.00	1	● 0103-075 325




EUACAD008

# Reducing Ring "HP-Adapter"

Reducing Rings provide a reliable solution for precisely adapting standard bore sizes to smaller diameters.

Appearance can vary from picture depending on variant.

adapt. from	adapt. to		Item Number
16.00	12.70	1	● 0003-000 223
22.20	9.50	1	● 0003-000 242
22.20	12.70	1	● 0003-000 243
22.20	16.00	1	● 0003-000 244







**Industrial Brushes**

Internal Brushes .....	123
ATB® .....	143
Novotec .....	157
Punched brushes .....	159
Tungsten Carbide Burrs .....	171





# Internal Brushes

Situft® .....	124
Helituf® .....	127
Tube Brushes .....	129
Novoflex .....	135
Other Brushes .....	138
Accessories .....	142



Appearance can vary from picture depending on variant.



EUPBIB001 | EVOLUTION ★★★★★

## SITUFT®, crimped Osborn wire

**SITUFT® internal brush with crimped Osborn wire arranged as a wing, high-end quality.**

- Brushes can be placed into drill chucks, collet chucks and tool spindles
- Use with optional holder possible in clockwise/counter-clockwise direction
- Without holder item can only be used in clockwise direction
- The flexibility of the brush increases with increasing brush diameter
- General tip for usage: brush has to have oversize, therefore choose the next in size brush-diameter

**Application:** Cleaning of difficult to access drill holes, cross holes, internal surfaces and longitudinal grooves, to be used after the machining process.



Also available as a practical set. More on page 126

Accessories available: Situft holder. More on page 125



Ø	AL	L	S		Steel 0.08	Steel 0.12	Steel 0.13
6	14	54	2.38	12			● 9907-035 023
6.7	14	54	2.38	12	● 9907-035 021		
8	14	54	2.38	12	● 9907-035 031		
8.4	14	54	2.38	12			● 9907-035 032
9.5	14	54	2.38	12	● 9907-035 041		● 9907-035 042
11.5	14	54	2.38	12	● 9907-035 051		● 9907-035 052
13.6	14	54	2.38	12	● 9907-035 061		● 9907-035 062
14	16	54	3.5	12	● 9907-035 081		● 9907-035 082
16	16	54	3.5	12	● 9907-035 086		● 9907-035 087
18	16	54	3.1	12		● 9907-035 092	
20	16	54	3.18	12	● 9907-035 096		● 9907-035 097
23.1	16	57	3.5	12			● 9907-035 107
26.3	16	57	3.18	12			● 9907-035 117
29.5	16	57	3.18	12			● 9907-035 127
32	16	57	3.5	12			● 9907-035 137

more on next page →



Ø	AL	L	S		Steel 0.20	Stainless Steel 0.13	
6	14	54	2.38	12		● 9907-035 181	
13	14	54	3.18	12		● 9907-035 197	
16	16	54	3.18	12		● 9907-035 205	
16.7	16	54	3.18	12	● 9907-035 088		
19	16	54	3.18	12		● 9907-035 213	
20	16	54	3.18	12	● 9907-035 098		
23.1	16	57	3.18	12		● 9907-035 221	
26.3	16	57	3.18	12	● 9907-035 118		
29	16	57	3.18	12	● 9907-035 128		
32	16	57	3.18	12	● 9907-035 138		



EUPBAC001

## Situft holder

Shank holders for Situft brushes.

Appearance can vary from picture depending on variant.



**9907-075 131** Shank for SITUFT Brush D6x85 for shank 2,38

**9907-075 132** Shank for SITUFT Brush D6x85 for shank 3,18

S	S Length		Item Number
6	85	1	● 9907-075 131
10	85	1	● 9907-075 132



Appearance can vary from picture depending on variant.


EUPBKT003 | EVOLUTION ★★★★★

SITUFT® kit, crimped Osborn wire

SITUFT internal brush range with crimped Osborn wire arranged as a wing, high-end quality.

- Brushes can be placed into drill chucks, collet chucks and tool spindles
- Use with holder (included) possible in clockwise/counter-clockwise direction
- Only clockwise direction possible when used without holder
- With increasing brush diameter the flexibility of the brush increases
- The brushes from this kit are also available separately if you wish to replace worn items from your kit.

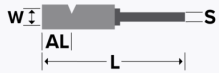
**Application:** Cleaning of difficult to access drill holes, cross holes, internal surfaces and longitudinal grooves, to be used after the machining process.

Products included			Item Number
Content 12 Situft brushes :			
■ Ø 6, wire 0.08   Ø 6, wire 0.13   Ø 8, wire 0.08   Ø 8, wire 0.13   Ø 10, wire 0.13   Ø 11, wire 0.20   Ø 13, wire 0.13   Ø 14, wire 0.20   Ø 16, wire 0.16   Ø 19, wire 0.20   Ø 25, wire 0.20   Ø 32, wire 0.20		1	● 9907-035 000
■ Holder Ø 2.38			
■ Holder Ø 3.18			





Appearance can vary from picture depending on variant.



EUPBIB002 | EVOLUTION ★★★★★

## HELITUF®, crimped Osborn wire

**HELITUF® internal brush with crimped Osborn wire arranged in a spiral, high-end quality.**

- The spiral-shaped trim arrangement simulates a stroke movement and the material cut previously is conveyed perfectly out of the bore
- The brushes can be placed into drill chucks and tool spindles; it is also possible to fit them into collet chucks using Helituf holders
- Uniform working
- General tip for usage: brush has to have oversize, therefore choose the next in size brush-diameter

**Application:** On manually operated machines, for the cleaning and deburring of threaded holes, deburring of edges and longwise recesses (such as keyways)



Also available as a practical set. More on [page 128](#)

Accessories available: Helituf holder. More on [page 128](#)



Ø	AL	L	S		Steel 0.13	Steel 0.20	Stainless Steel 0.13	Stainless Steel 0.20
6	25	89	3.4	12	● 9907-036 012		● 9907-036 139	
8	25	89	3.18	12	● 9907-036 017			
10	25	89	3.4	12	● 9907-036 022	● 9907-036 023	● 9907-036 147	
11	25	89	3.4	12	● 9907-036 027		● 9907-036 151	
13	25	89	3.4	12	● 9907-036 032	● 9907-036 033	● 9907-036 155	● 9907-036 156
14	25	89	3.4	12	● 9907-036 037			
16	25	89	3.4	12	● 9907-036 042	● 9907-036 043	● 9907-036 163	● 9907-036 164
18	25	89	3.4	12	● 9907-036 047			
19	25	89	3.4	12	● 9907-036 052	● 9907-036 053		● 9907-036 172
21	25	89	3.4	12	● 9907-036 057			
22	25	89	3.4	12	● 9907-036 062		● 9907-036 179	
22	25	89	3.18	12		● 9907-036 063		
24	25	89	3.4	12	● 9907-036 067			● 9907-036 188
25	25	89	3.4	12	● 9907-036 072	● 9907-036 073	● 9907-036 187	
29	25	89	3.4	12	● 9907-036 082			
32	25	89	3.4	12		● 9907-036 093		● 9907-036 204



Appearance can vary from picture depending on variant.




EUPBAC002

## Helituf holder

Shank holders for Helituf brushes.

**9907-075 126** Holder with external thread

**9907-075 127** Holder with internal thread

S	S Length		Item Number
5	90	1	● 9907-075 126
6	90	1	● 9907-075 127



Appearance can vary from picture depending on variant.


EUPBKT004 | EVOLUTION ★★★★★

## HELITUF® kit, crimped Osborn wire

**HELITUF internal brush range with crimped Osborn wire arranged in a spiral, high-end quality.**

- The spiral-shaped trim arrangement simulates a stroke movement and the material cut previously is conveyed perfectly out of the bore
- Brushes can be placed into drill chucks and tool spindles. It is also possible to fit them into collet chucks using the Helituf holder included
- Uniform processing
- The brushes from this kit are also available separately if you wish to replace worn items from your kit.

**Application:** On manually operated machines, for the cleaning and deburring of threaded holes, deburring of edges and tapered grooves (such as keyways)

Products included		Item Number
Content 12 Helituf brushes in crimped steelwire :		
<ul style="list-style-type: none"> <li>■ Ø10, wire 0.13   Ø11, wire 0.13   Ø13, wire 0.20   Ø14, wire 0.13   Ø16, wire 0.20   Ø18, wire 0.13   Ø19, wire 0.20   Ø21, wire 0.13   Ø22, wire 0.20   Ø24, wire 0.13   Ø25, wire 0.20   Ø29, wire 0.13</li> <li>■ Holder internal thread</li> <li>■ Holder external thread</li> </ul>	1	● 9907-036 000



Appearance can vary from picture depending on variant.



EUPBIB003 | SUPERIOR ★★☆☆☆

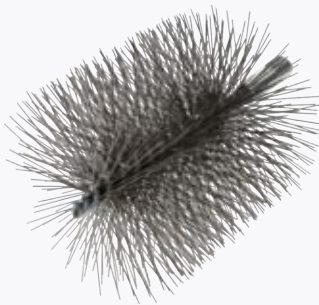
## Tube brushes, single spiral, crimped wire

**Tube brushes with crimped wire, industrial quality, for internal finishing.**

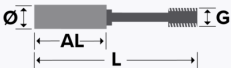
- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Dense, flexible trim ensures perfect results
- Can also be used in bores with contour
- Optionally available: Wire handles with different connection threads for extending the brushes

**Application:** Tube cleaning, deburring, paint/rust removal, cleaning.

Ø	AL	L	G		Steel 0.15	Steel 0.20	Steel 0.30
10	100	140	M 6	10	● 0003-815 210		
12	100	140	M 6	10	● 0002-815 212		
14	100	140	M 6	10	● 0002-815 214		
15	100	140	5/16"	10	● 0002-812 215		
18	100	140	5/16"	5		● 0002-812 218	
20	100	140	5/16"	10		● 0002-812 220	
25	100	160	1/2"	5			● 0002-808 125
30	100	160	1/2"	5			● 0002-808 130
32	100	160	1/2"	5			● 0002-808 132
38	100	160	1/2"	5			● 0002-808 138
40	100	160	1/2"	5			● 0002-808 140
44	100	160	1/2"	5			● 0002-808 144
50	100	160	1/2"	5			● 0002-808 150



Appearance can vary from picture depending on variant.



EUPBIB004 | SUPERIOR ★★★★★

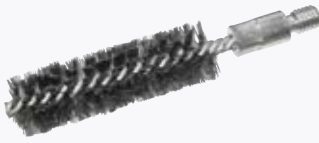
Tube brushes, single spiral, straight wire

Tube brushes with straight wire, industrial quality, for internal finishing.

- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Dense, flexible trim ensures perfect results
- More aggressive variant than tube brush with crimped wire
- Optionally available: Wire handles with different connection threads for extending the brushes

**Application:** Tube cleaning, deburring, paint/rust removal, cleaning.

Ø	AL	L	G		Steel 0.35	Steel 0.50
63	100	160	1/2"	5	● 0002-808 163	
75	100	160	1/2"	5	● 0002-808 175	
100	100	160	1/2"	5		● 0002-808 100



Appearance can vary from picture depending on variant.



EUPBIB005 | SUPERIOR ★★☆☆☆

## Tube brushes, double spiral, straight wire

**Tube brush with straight wire, industrial quality, for internal finishing.**

- High trim density with dual spiral system
- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Can be used in bores with contour
- Optionally available: Wire handles with different connection threads for extending the brushes

**Application:** Tube cleaning, deburring, paint/rust removal, cleaning.

Ø	AL	L	G		Steel 0.25	Steel 0.30	Steel 0.35
25	100	160	1/2"	5	● 0003-810 125		
28	100	160	1/2"	5	● 0003-810 128		
30	100	160	1/2"	5	● 0003-810 130		
32	100	160	1/2"	5		● 0003-810 132	
38	100	160	1/2"	5		● 0003-810 138	
40	100	160	1/2"	5		● 0003-810 140	
44	100	160	1/2"	5		● 0003-810 144	
50	100	160	1/2"	5		● 0003-810 150	
57	100	160	1/2"	5		● 0003-810 157	
69	100	160	1/2"	5			● 0003-810 169

Ø	AL	L	G		Steel 0.40	Steel 0.50	
63	100	160	1/2"	5	● 0003-810 163		
75	100	160	1/2"	5	● 0003-810 175		
82	100	160	1/2"	5	● 0003-810 182		
101	100	160	1/2"	5		● 0003-810 100	



Appearance can vary from picture depending on variant.




EUPBIB006 | SUPERIOR ★★☆☆☆

## Micro-abrasive tube brushes, abrasive filament

**Micro-abrasive tube brushes, industrial quality, for internal finishing.**

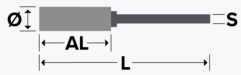
- High levels of flexibility and abrasion resistance
- Very low production tolerances
- Very suitable for use on already finished parts
- High deburring rates for comparatively low surface impact
- Can be used on manually operated machines as well as CNC machines and machining centres

**Application:** Fine processing, mainly for application on non-ferrous metals, for deburring cross holes, control units, O-ring grooves and cylindrical components.

Ø	AL	L	S		Silicon Carbide 1000	Aluminium Oxide 600
0.7	12	100	0.5	12	● 0003-056 400	
1.2	12	100	0.3	12	● 0003-056 403	
1.9	18	100	0.7	12	● 0003-056 406	
2.2	18	100	0.9	12	● 0003-056 409	
2.6	25	100	1.1	12	● 0003-056 412	
3.2	25	100	1.6	12	● 0003-056 415	
3.5	25	100	1.6	12	● 0003-056 418	
4.2	25	125	2.2	12		● 0003-056 425
4.8	25	125	2.2	12		● 0003-056 427
5.5	25	125	2.2	12		● 0003-056 428
6.6	25	125	3	12		● 0003-056 429
8.2	25	125	3	12		● 0003-056 432
9.8	26	125	3.4	12		● 0003-056 435
11.5	25	125	3.4	12		● 0003-056 436
13	25	125	4.1	12		● 0003-056 438
16	25	125	4.1	12		● 0003-056 441
17.5	25	125	4.1	12		● 0003-056 442
19.4	25	125	6.2	12		● 0003-056 444
22.6	25	125	5.8	12		● 0003-056 447
25.8	25	125	6.8	12		● 0003-056 450



Appearance can vary from picture depending on variant.



EUPBIB007 | SUPERIOR ★★★★★

## Tube brushes, abrasive filament

**Tube brushes with abrasive trim, industrial quality, for internal finishing.**

- High flexibility yet comparatively high deburring rate
- Retention of the edge geometry without significant rounding
- Can be used on manually operated machines as well as hightech CNC machines and machining centres

**Application:** Deburring of cross holes, control units, O-ring grooves and cylindrical bores.

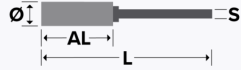
**Please note:** The brush size should exceed diameter of the bore by 10 to 15%.

Ø	AL	L	S		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 320
6	50	125	3	12		● 0003-056 306	● 0003-056 326
7	50	125		1		● 0003-056 307	
7	50	125	3	1			● 0003-056 327
8	50	125	3.7	12		● 0003-056 308	● 0003-056 328
10	50	125		12	● 0003-056 010		
10	50	125	3	12		● 0003-056 310	
10	50	125	4	12			● 0003-056 330
13	50	125	5	12	● 0002-056 011	● 0002-056 311	● 0002-056 331
16	50	125	5	12	● 0002-056 012	● 0002-056 312	● 0002-056 332
19	65	125	5	12	● 0002-056 013	● 0002-056 313	● 0002-056 333
22	65	125	5.5	12	● 0002-056 014	● 0002-056 314	● 0002-056 334
25	65	125	5.5	12	● 0002-056 015	● 0002-056 315	● 0002-056 335
32	65	125	6	12	● 0002-056 016	● 0002-056 316	● 0002-056 336
38	65	125	6	12	● 0002-056 017	● 0002-056 317	● 0002-056 337
50	65	125	6	12	● 0002-056 018	● 0002-056 318	● 0002-056 338





Appearance can vary from picture depending on variant.



EUPBIB008 | SUPERIOR ★★☆☆☆

## Tube brushes, nylon-diamond

Tube brushes with nylon-diamond, high-end quality, for internal finishing.

- During machining, an already prepared surface is further smoothed and positively influenced for later use
- Flexible trim straightens itself when subject to high loading and deformation, and prevents material breaks
- Through the high-tech bristles a very homogeneous processing pattern can be achieved.
- Galvanised wire stabilised with brass sheath pressed onto the shaft
- High flexibility yet high performance; easy mounting into drill and collet chucks

**Application:** Edge rounding, deburring of cross holes, processing of honed surfaces. Surface roughness is reduced considerably. Particularly suited to very hard parts (made of ceramic for example), hardened parts and precision components and parts for aerospace.

**Please note:** The brush size should exceed diameter of the bore by 10 to 15%.

Ø	AL	L	S		Nylon Diamond 400	Nylon Diamond 800
2	20	100	1	2	● 0008-852 002	
2	20	100	1	10		● 0008-852 802
2.5	20	100	1	2	● 0018-852 002	
3	20	100	1.5	2	● 0008-852 003	
3	20	100	1.5	10		● 0008-852 803
3.5	20	100	1.5	2	● 0018-852 003	
3.5	20	100	1.5	10		● 0018-852 803
4	20	115	3	2	● 0008-852 004	● 0008-852 804
5	20	115	3	2	● 0008-852 005	● 0008-852 805
6	20	115	3	2	● 0008-852 006	● 0008-852 806
7	20	115	3	2	● 0008-852 007	● 0008-852 807
8	20	115	3	2	● 0008-852 008	● 0008-852 808
9	20	115	3	2	● 0008-852 009	● 0008-852 809
10	20	115	4	2	● 0008-852 010	● 0008-852 810
12	20	115	6	2	● 0008-852 012	● 0008-852 812
15	20	115	6	2	● 0008-852 015	● 0008-852 815
17	20	115	6	2	● 0008-852 017	
19	20	115	6	2	● 0008-852 019	
19	20	115	6	10		● 0008-852 819
22	20	115	6	2	● 0008-852 022	
25	20	115	6	2	● 0008-852 025	
25	20	115	6	10		● 0008-852 825



Appearance can vary from picture depending on variant.



EUPBIB009 | EVOLUTION ★★★★★

## Novoflex-B® honing and deburring tool, abrasive filament

**Novoflex-B honing tool, high-end quality, for internal finishing.**


- Flexible, self-centring honing tool
- Creates a plateau finish
- Cross-grinding makes it a good carrier for oil film adhesion
- Can be used on manually operated machines and honing machines
- Use in CNC and NC machines, machining centres and automatic machines. Can be placed into tool spindles

**Application:** Motor cylinders, piston rods, boreholes on shafts and cranks, pneumatic and hydraulic cylinders, valve guides, compressed air equipment, wheel cylinders, brake control cylinders, pipes and tubes, and many other applications in the automotive and aerospace industries, as well as hydraulic systems and heat exchangers.

**Please note:** The use of lubricants is always required. We recommend lubricating the Novoflex-B with honing oil before using it. Mineral oil, motor oil, water-soluble oil and cooling lubricants can be used as alternatives. Honing time 20 to 40 seconds. The process time can be reduced to deburr cross and longitudinal holes. Cleaning of holes using hot water and cleaning agent, and Osborn nylon pipe brushes.

### Recommendations:

- For choosing the correct Novoflex-B® diameter the bore diameter of the workpiece is decisive.
- The use of lubricants is always required. We recommend lubricating the Novoflex-B® with honing oil before using it. Mineral oil, motor oil, water-soluble oil (viscosity 10W30) and cooling lubricants can be used as alternatives. On hydraulic brake cylinders please use brake fluid instead.
- Honing time 20 to 40 seconds. Recommended speed for Novoflex-B® brushes up to Ø 40 mm: 600–1000 RPM / 60–120 stroke/min. From Ø 41 mm: 350–600 RPM / 60–120 stroke/min. The process time can be reduced to deburr cross and longitudinal holes.
- Clean the bore using Osborn nylon tube brushes with hot water and cleaning agent.

WØ	Ø	AL	L	S		Zirconium Corundum 80	Zirconium Corundum 120
24	27	70	200	5	1	● 9808-036 527	
25	28	70	200	5.4	1	● 9808-036 528	
26	29	70	200	5.4	1	● 9808-036 529	
40	43	70	200	7.3	1		● 9818-036 543
43	46	56	200	7.3	1		● 9818-036 546
45	48	56	200	7.3	1		● 9818-036 548
47	50	56	200	7.3	1		● 9818-036 550
47	50	70	200	6.5	1	● 9808-036 550	
48	51	70	200	6.5	1	● 9808-036 551	
51	54	70	200	6.5	1	● 9808-036 554	
54	57	70	200	6.5	1	● 9808-036 557	
57	60	70	200	7.2	1	● 9808-036 560	

WØ	Ø	AL	L	S		Silicon Carbide 120	Silicon Carbide 180
8	9	50	200	3.6	1	● 9818-036 309	● 9828-036 309
9	10	50	200	3.6	1	● 9818-036 310	● 9828-036 310
10	11	60	200	3.6	1	● 9818-036 311	● 9828-036 311
11	12	60	200	3.6	1	● 9818-036 312	● 9828-036 312
12	13	60	200	3.6	1	● 9818-036 313	● 9828-036 313
14	15.5	60	200	3.6	1	● 9818-036 316	● 9828-036 316
16	18	60	200	4.6	1	● 9818-036 318	● 9828-036 318
18	20	60	200	4.6	1	● 9818-036 320	● 9828-036 320
20	22	70	200	4.6	1	● 9818-036 322	● 9828-036 322
22	25	70	200	4.6	1	● 9818-036 325	
24	27	70	200	5.1	1	● 9818-036 327	● 9828-036 327
25	28	70	200	5.1	1	● 9818-036 328	● 9828-036 328
27	30	70	200	5.1	1	● 9818-036 330	● 9828-036 330
29	32	70	200	5.1	1	● 9818-036 332	● 9828-036 332
32	35	70	200	5.7	1	● 9818-036 335	● 9828-036 335
35	38	70	200	5.7	1	● 9818-036 338	
38	41	70	200	5.7	1	● 9818-036 341	
41	45	70	200	5.7	1	● 9818-036 345	
45	48	70	200	5.7	1	● 9818-036 348	
48	51	70	200	6.5	1	● 9818-036 351	
51	54	70	200	6.5	1	● 9818-036 354	
54	57	70	200	6.5	1	● 9818-036 357	
57	60	70	200	7.3	1	● 9818-036 360	
60	64	70	200	7.3	1	● 9818-036 364	



Appearance can vary from picture depending on variant.




EUPBIB010 | EVOLUTION ★★★★★

## NOVOFLEX-H®, NOVOFIL®-WF Filament

Trim material secured in spiral shape in 2-fold wire core.

- Very dense trim
- Very good surface qualities
- Long service life
- The special flat bristles ensure a high contact area with the processed workpiece

**Application:** Generally for the deburring and surface finishing of bores and cylindrical workpieces, such as in motors, pumps and hydraulic, pneumatic and brake cylinders.

Ø	AL	L	S		Aluminium Oxide 120	Aluminium Oxide 320
19	22	90	3.18	6	● 9907-036 478	
26	23	86	3.18	12	● 9907-036 302	
26	32	86	3.18	1		● 9907-036 303
35	50	125	6.35	2	● 9907-036 484	
38	50	125	6.35	2	● 9907-036 304	● 9907-036 305
46	25	125	6.35	2	● 9907-036 489	
56	50	125	6.35	2	● 9907-036 486	
63	89	160	9.53	2	● 9907-036 308	
76	102	159	9.53	2	● 9907-036 310	● 9907-036 311
89	102	160	9.53	2	● 9907-036 312	
102	102	160	9.53	2	● 9907-036 314	● 9907-036 315
115	102	152	9.53	6	● 9907-036 316	● 9907-036 317
140	127	235	12.7	2	● 9907-036 320	



Appearance can vary from picture depending on variant.



EUMBHB014 | SUPERIOR ★★☆☆☆

Hole cleaning brushes, crimped wire

Hole cleaning brushes with crimped wire, industrial quality, for internal finishing.

- With robust wooden handle
- For many different applications

**Application:** Use mainly in the building trade for the manual cleaning of (cross) holes and threads; for the cleaning inside of steel, wood and synthetics and for removing chips and loose particles.

Ø	AL	L		Steel 0.20	Steel 0.30
15	100	280	10	● 0002-892 215	
20	100	280	10	● 0002-892 220	
25	100	280	10	● 0002-892 225	
30	100	280	10		● 0002-892 230



Appearance can vary from picture depending on variant.



EUPBIB012 | SUPERIOR ★★☆☆☆

## Nozzle cleaning brushes, wire/nylon

Nozzle cleaning brushes with wire or nylon trim, industrial quality, for internal finishing.

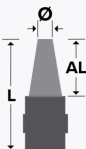
- With 2-fold wire core and eyelet
- Can also be used to clean flexible workpieces such as hoses

**Application:** Cleaning, dust removal, deburring, ideal for cleaning nozzles, sockets, hoses, pipes, drinking straws out of glass or metal, etc.

Ø	AL	Ø Fill		Steel crimped	Stainless Steel crimped	Nylon straight	Brass crimped
4	100	0.06	20		● 0003-816 304		
4	100	0.08	20	● 0003-816 204			
4	100	0.1	20				● 0003-816 504
4	100	0.15	20			● 0003-816 804	
5	100	0.08	20		● 0003-816 305		● 0003-816 505
5	100	0.1	20	● 0003-816 205			
5	100	0.15	20			● 0003-816 805	
6	100	0.08	20		● 0003-816 306		
6	100	0.1	20	● 0003-816 206			
6	100	0.12	20				● 0003-816 506
6	100	0.15	20			● 0003-816 806	
8	100	0.1	20		● 0003-816 308		
8	100	0.15	20				● 0003-816 508
8	100	0.18	20	● 0003-816 208			
8	100	0.25	20			● 0003-816 808	
10	100	0.15	20	● 0003-816 210	● 0003-816 310		● 0003-816 510
10	100	0.25	20			● 0003-816 810	
12	100	0.12	20		● 0003-816 312		
12	100	0.15	20	● 0003-816 212			● 0003-816 512
12	100	0.25	20			● 0003-816 812	
15	100	0.15	20	● 0002-816 215	● 0002-816 315		● 0002-816 515
15	100	0.25	20			● 0003-816 815	
18	100	0.15	20	● 0002-816 218	● 0002-816 318		● 0002-816 518
18	100	0.25	20			● 0003-816 818	
20	100	0.2	20				● 0002-816 520
20	100	0.15	20	● 0002-816 220	● 0002-816 320		
20	100	0.25	20			● 0003-816 820	
25	100	0.2	20	● 0002-816 225			● 0002-816 525
25	100	0.15	20		● 0002-816 325		
25	100	0.35	20			● 0003-816 825	



Appearance can vary from picture depending on variant.



EUMBHB018 | SUPERIOR ★★★★★

## Battery terminal brushes, steel wire

**Battery terminal brush with plastic body, industrial quality.**

- One brush with two uses - tapered brush trim for cleaning the connection terminals; ring-shaped end with bonded scratch strip for cleaning the battery terminals
- Plastic cover to protect the brush

**Application:** Cleaning battery poles and terminals

**0008-493 100**    Ø 15 - 25 mm

AL	L		Steel crimped
65	120	12	● 0008-493 100



Appearance can vary from picture depending on variant.



EUMBHB019 | SUPERIOR ★★★★★

## Fitting brushes, steel wire

**Fitting brush with plastic handle, industrial quality.**

- Quick and efficient cleaning
- Sturdy handle with pin hole

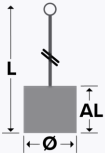
**Application:** For the cleaning inside of pipes and solder fittings made of copper and metal.

Ø	AL	L		Steel
13	25	160	12	● 0003-075 252
16	25	160	12	● 0003-075 253
19	28	160	12	● 0003-075 254
23	25	160	12	● 0003-075 255
29	32	160	12	● 0003-075 257





Appearance can vary from picture depending on variant.



EUMBHB020 | SUPERIOR ★★★★★☆

## Stove pipe cleaner, crimped wire

Stove pipe cleaner with crimped wire, industrial quality, for manual cleaning of stove pipes.

- The flexible wire handle makes it very easy to negotiate and clean bends in pipes

**Application:** For cleaning stove pipes and boilers.

Ø	AL	L		Steel crimped 0.30
125	120	2,000	10	● 0002-824 213
125	120	3,000	10	● 0002-825 213
140	120	3,000	10	● 0002-825 214
160	120	3,000	10	● 0002-825 216



Appearance can vary from picture depending on variant.



EUMBHB022 | SUPERIOR ★★★★★☆

## Radiator cleaning brush, straight wire

Radiator cleaning brush with straight wire, industrial quality, for manual cleaning of radiators.

- Thread connection enables mounting on wire handle
- Flexible trimming allows to reach narrow surfaces

**Application:** For cleaning boilers and radiators.

A	AL	AT	L	G		Steel straight 0.35
100	100	50	170	1/2"	1	● 0003-820 115
100	100	50	170	1/2"	10	● 0002-820 115
100	100	50	170	3/8"	10	● 0002-828 115
120	100	50	170	1/2"	10	● 0002-820 119



EUACIB003

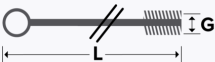
Wire handle

Wire handle for pipe brushes with different connection threads, industrial quality.

- Dimensionally stable
- Can also be inserted in shaped bores

**Application:** For the extension of tube brushes.

Appearance can vary from picture depending on variant.



G	L		Item Number
1/2"	1,000	10	● 0002-819 110
M 6	1,000	10	● 1132-819 110



## **ATB®**

ATB® Wheel Brushes ..... 149

ATB® Disc Brushes ..... 151

ATB® End Brushes ..... 155

ATB® Accessoires ..... 156

## High-Tech Brushes for Automated Deburring.



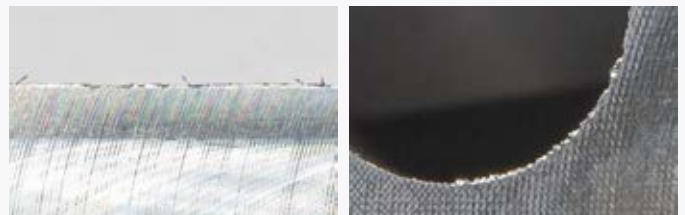
### Edge rounding without changing the workpiece geometry.

Technical brushes are precision tools that take a major part of the responsibility for the quality of end products. They can be tailored to virtually any material machined in a component-oriented manner.

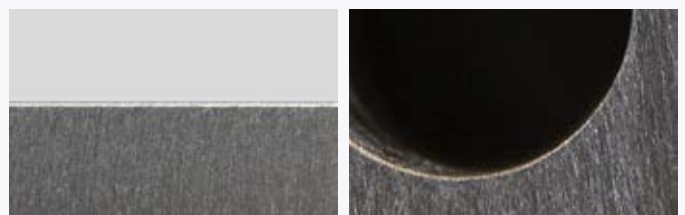
Our ATB® brushes are available to you with a large selection of abrasive bristles having silicone carbide or ceramic filament, with different grit sizes and filament diameters.

ATB® brushes are designed for direct adaption on tool holders with face mill arbors (DIN 6357) and shell mill mounts (DIN 6358). This means they can be used on machining centres, CNC millers & lathes and robot cells for example.

Brushes are deployed downstream of the machining process, and the use of cooling lubricants, emulsions and water poses no problems. This means the machined work pieces can be directly deburred and finished in a reliable and reproducible manner without reclamping on the machine.



**Before machining** - Distinct burrs on the edge. Milling grooves on the surface.



**After machining** - Burrs have been reliably removed and the edges rounded. The surface has a uniform, brushed appearance.



## Deburring Directly After the Machining Process.



### ATB® brushes are non-cutting tools.

ATB® brushes are non-cutting tools. They are used mainly for removing burrs and secondary burrs generated in the upstream machining process. The surface textures of components are positively influenced at the same time.

#### Deburring directly after the machining process

Shorter cycle times and very uniform edge rounding, and so particularly suited for the deburring of:

- Milled and turned parts
- Ground components
- Sinter parts
- Punched, moulded and pressed parts
- Pneumatic and hydraulic parts
- Engine components such as cylinder heads and cylinder blocks
- Die-cast parts
- Valve plates
- Parts ground flat
- Toothed parts
- Contact and sealing surfaces
- Finishes

#### Maximum filament density Minimum process costs

ATB® brushes have filament densities four times higher than disc brushes manufactured in the conventional way (punched). This means brush life is prolonged many times over - with at the same time quicker processing times and better and more efficient deburring results. Features:

- Bristles are securely casted
- Extremely dense filament surface
- Planar filament surface
- High abrasive grit content for effective deburring
- High levels of form stability and concentricity
- Aggressive brushing effect
- Can be tailored to any material machined
- Use with coolant possible/recommended
- Standardised face mill arbors and shell mill mounts
- Can be used on the same machining center/CNC machine directly after the upstream machining process

## Features and Benefits at a Glance.



### Many diameters and patterns

A wide range of diameters are available. In addition, both the fill length and the fill pattern can be individually adapted.

**Benefit:** With our individualized options, we can find you the best solution for your deburring application. An increase in the fill length can, for example, increase the service life and flexibility in order to deburr challenging components. Changing the fill pattern can increase the aggressiveness depending on the need.

### Direct adaptation to tool holders

For example HSK-/SK, face mill arbors and shell mill mounts.

**Benefit:** No separate handling/clamping. The ATB® brush can be stored in the tool magazine of the BAZ / CNC, deburring can be started immediately after the machining process without removing the part.



### 1. Resin cast body

The fill material is firmly cast into the bodies of our ATB®.

**Benefit:** ATB® can be run faster while maintaining its fill integrity, highly precise design with a high level of tilting rigidity while remaining lightweight.

### 3. High tech filaments

Nylon threads interspersed with abrasive grit (e.g. silicon carbide or ceramic) are the ideal fill material for deburring. Other materials are also available on request (e.g. diamond grain).

**Benefit:** The use in combination with coolants, emulsions or water is possible and is recommended especially for higher speeds and very thin workpieces.

### 2. Maximum bristle density

A maximum filament density with up to 4 times more bristles.

**Benefit:** Longer service life, more aggressive brushing action. Even very complex components can be deburred quickly and effectively.

### 4. Dimensionally stable and flat

The surface of ATB® is flat.

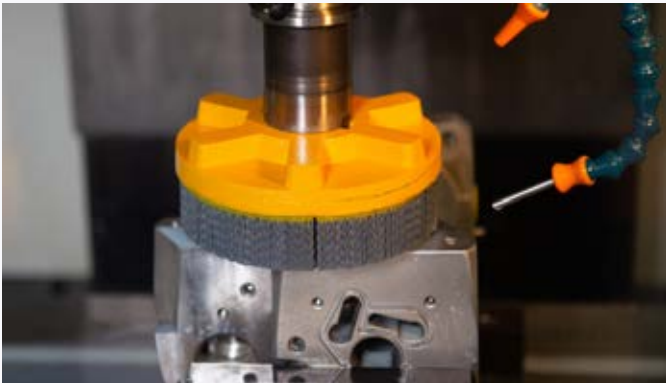
**Benefit:** Even edge rounding can be achieved, wear characteristics are consistent and controllable. There is uniform contact and repeatability.



## Sample and Parts Processing

If you are unsure whether you have already found the ideal tool for your industrial machining process, we recommend our parts and sample processing service. This is an excellent opportunity to put the quality of your tools currently in use to the test and, if necessary, replace them with a tool that is more suitable for the application.

We work with you to determine the ideal tools for processing your sample parts. Depending on the task, this may be a standard product or a customized product. We then define the most important parameters for machining the workpiece. Once we have received the sample parts from you and, if applicable, the current tools to be tested, we get to work in our test laboratory.



### Machining of turned parts

We can process a wide variety of components. For this purpose, the workpiece is put in a clamping device or on a rotary table and can then be machined. Process-relevant parameters such as rotational speed, cutting speed, feeds, immersion depth, etc. can be set and the results are measured.



### Complex parts

Even complex workpiece geometries are no obstacle. We also manufacture customised solutions for your components.

### Documentation

After the parts have been machined, we create a detailed documentation of our inspection results for you. In our report we define the objectives, the test sequence and the conclusions. Based on this evaluation, you can compare the quality of the tools you are currently using with our solutions and make your decision.

#### Put your deburring process to the Test

#### We will be happy to advise you

Our application engineers will be happy to look at your application and help you choose the right tool to ensure that cycle time, machining results and cost-per-part are optimized. Request our parts and sample processing service today: [service@osborn.de](mailto:service@osborn.de)



Appearance can vary from picture depending on variant.



EUIBWB001 | EVOLUTION ★★★★★

## ATB® wheel brush with full trim, Cutter head holders/combined cutter arbor

ATB® wheel brush with longitudinal groove for direct clamping on tool holders (e.g. HSK, SK, BT) as cutter head holders and combi milling arbor holders. Feel free to ask our application engineers about general and specific application questions relating to the ATB® products.

- high density and concentricity
- process safety and high service life
- depending on the workpiece material to be machined, brushes are available with ceramic- (NH-C) and siliciumcarbide-trimming (NH-S)

**Application:** On CNC machines, machining centres and on robot systems. Preferably to be used wet with cooling lubricant or oil. Suitable directly after machining for deburring and edge rounding on components with side and inner surfaces, as well as for fine machining of component contours.

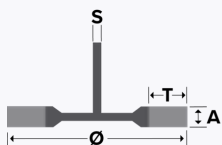
Ø	T	B	B Type	RPM max.		Silicon Carbide 120	Silicon Carbide 180
125	25	22	round	3500	1	● 2101-401 913	● 8401-401 913

Ø	T	B	B Type	RPM max.		Ceramic 120	Ceramic 180
125	25	22	round	3500	1	● 2111-401 913	● 2121-401 913



Appearance can vary from picture depending on variant.




EUIBWB002 | EVOLUTION ★★★★★

## ATB® wheel brush with full trim, shank adaption

**ATB® wheel brush with shank for direct adaption on several tool holders. Please ask our application technicians for open requests and general questions about the ATB® products.**

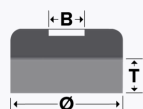
- high density and concentricity
- process safety and high service life
- depending on the workpiece material to be machined, brushes are available with ceramic- (NH-C) and siliciumcarbide-trimming (NH-S)
- high machine compatibility because of the shank adaption
- high flexibility in processing allows several customer specific variations

**Application:** On CNC machines, machining centres and on robot systems. Preferably to be used wet with cooling lubricant or oil. Suitable directly after machining for deburring and edge rounding on component

Ø	T	A	S		Silicon Carbide 120
70	12.5	10	6	1	● 3601-507 910
80	17.5	10	6	1	● 3601-508 910
100	27.5	10	6	1	● 3601-600 910



Appearance can vary from picture depending on variant.



EUIBDB001 | EVOLUTION ★★★★★

## ATB® disc brushes with maximum fill density, compatible with clamping fixture

Can be used for deburring components made of the most diverse of materials, such as steel, aluminium and cast iron.

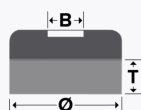
**Application:** For use on machining centers, CNC turning and milling machines and robot cells. For deburring milled, turned and ground components, sintered parts, punched, nipped and pressed parts, pneumatic and hydraulic parts, engine components, toothed parts, etc. Can be used on a wide variety of materials such as steel, aluminium, cast iron, etc.

Body Ø	T	B Type	B	RPM max.	Ø		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
50	35	hexagonal	16	3500	46	1	● 6701-604 912	● 5411-604 912	● 5431-604 912	● 5441-604 912
76	35	hexagonal	16	3500	70	1	● 3111-604 913	● 9841-604 913	● 3311-604 913	● 3151-604 913
85	35	hexagonal	16	3500	80	1	● 6201-604 914	● 1601-604 914	● 2211-604 914	● 6231-604 914
106	35	hexagonal	16	3500	100	1	● 3101-604 914	● 3221-604 914	● 3321-604 914	● 3401-604 914

Body Ø	T	B Type	B	RPM max.	Ø		Ceramic 80	Ceramic 120	Ceramic 180	Ceramic 320
50	35	hexagonal	16	3500	46	1	● 2201-604 912	● 1301-604 912		
76	35	hexagonal	16	3500	70	1	● 1321-604 913	● 1331-604 913		
85	35	hexagonal	16	3500	80	1	● 1341-604 914	● 1351-604 914	● 1361-604 914	
106	35	hexagonal	16	3500	100	1		● 9901-604 914	● 4411-604 914	● 1381-604 914



Appearance can vary from picture depending on variant.




EUIBDB002 | EVOLUTION ★★★★★

## ATB® disc brushes with maximum fill density, for tool holders

**For deburring sealing and contact surfaces. The application should take place on stationary machines. Use with cooling lubricant, water, oil is recommended.**

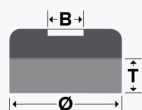
**Application:** For deburring sealing and contact surfaces. The application should take place on stationary machines. Use with cooling lubricant, water, oil is recommended.

Body Ø	T	B Type	B	RPM max.		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
125	40	round	18.2	3500	1	● 3101-604 916	● 3201-604 916	● 3311-604 916	● 3401-604 916
150	40	round	18.2	3500	1	● 3111-604 916	● 3211-604 916	● 4341-604 916	● 3411-604 916
175	40	round	18.2	3500	1	● 3131-604 916	● 3231-604 916		● 3431-604 916
200	40	round	18.2	3500	1	● 8411-604 918	● 4021-604 918	● 5901-604 918	
250	38	round	18.2	3500	1	● 6511-604 919	● 6171-604 916	● 2401-604 919	

Body Ø	T	B Type	B	RPM max.		Ceramic 80	Ceramic 120	Ceramic 180	
125	40	round	18.2	3500	1	● 0101-604 916	● 0201-604 916	● 0311-604 916	
150	40	round	18.2	3500	1		● 0211-604 916	● 0341-604 916	
200	40	round	18.2	3500	1	● 1611-604 918	● 0021-604 918		
250	38	round	18.2	3500	1		● 8771-604 919		



Appearance can vary from picture depending on variant.




EUIBDB003 | EVOLUTION ★★★★★

## ATB® disc brushes with maximum fill density, for shell mill mount

**For direct mounting on shell mill holders without need of further clamping set / system.**

- For usage on stationary machines
- Usage with cooling lubricant, water or oil is recommended

**Application:** For the deburring of contact and sealing surfaces, and the functional areas of the most diverse of components.

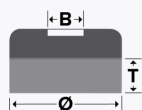
Body Ø	T	B Type	B	RPM max.		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 180
50	35	round	16	3500	1	● 6601-604 912	● 6501-604 912	● 6401-604 912
76	35	round	16	3500	1	● 6301-604 913	● 6311-604 913	● 6321-604 913
76	35	round	22	3500	1	● 5521-604 913	● 5511-604 913	● 5501-604 913
106	35	round	16	3500	1	● 5431-604 914	● 5511-604 914	● 5441-604 914
106	35	round	22	3500	1	● 5501-604 914	● 5791-604 914	● 5521-604 914
125	35	round	16	3500	1	● 6751-604 916	● 6801-604 916	● 6631-604 916
125	35	round	22	3500	1	● 6721-604 916	● 6821-604 916	● 6621-604 916
125	35	round	27	3500	1	● 6761-604 916	● 6811-604 916	● 6641-604 916
150	35	round	22	3500	1	● 6771-604 916	● 6841-604 916	● 6651-604 916
150	35	round	27	3500	1	● 6781-604 916	● 6831-604 916	● 6661-604 916

Body Ø	T	B Type	B	RPM max.		Ceramic 80	Ceramic 120	Ceramic 180
50	35	round	16	3500	1		● 1431-604 912	
76	35	round	22	3500	1	● 1451-604 913	● 5991-604 914	● 1461-604 913
106	35	round	22	3500	1		● 1431-604 914	
125	35	round	22	3500	1	● 2431-604 916	● 2441-604 916	● 2451-604 916
125	35	round	27	3500	1	● 6991-604 916	● 2461-604 916	
150	35	round	22	3500	1	● 1061-604 916	● 1071-604 916	





Appearance can vary from picture depending on variant.



EUIBDB004 | EVOLUTION ★★★★★

## ATB® disc brushes with segmented trimming, Turbo-line

Brushes for use on continuous deburring systems with planetary heads.

- The trim position of ATB® Turbo-Line brushes can optionally be angled to the left or right at a defined angle. Depending on the direction of rotation, this can bring about more aggressive and effective deburring, or can limit the brush to a surface finish only.

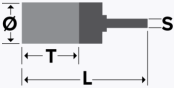
**Application:** For use on continuous deburring systems with planetary heads. Used for flat parts that have to be produced and deburred by punching, laser, fine blanking and forming processes.

Body Ø	T	B Type	B	Fill Mat. Angle	RPM max.		Silicon Carbide 80	Silicon Carbide 120	Silicon Carbide 180	Silicon Carbide 320
150	25	step	25	left	3500	1	● 3161-604 916	● 3261-604 916	● 3371-604 916	● 3461-604 916
150	25	step	25	neutral	3500	1	● 3141-604 916	● 3241-604 916	● 3351-604 916	● 3441-604 916
150	25	step	25	right	3500	1	● 3181-604 916	● 3281-604 916	● 3391-604 916	● 3481-604 916

Body Ø	T	B Type	B	Fill Mat. Angle	RPM max.		Ceramic 80	Ceramic 120	Ceramic 180	Ceramic 320
150	25	step	25	left	3500	1	● 0161-604 916	● 2191-604 916		
150	25	step	25	neutral	3500	1	● 0141-604 916	● 0241-604 916	● 0351-604 916	● 0441-604 916
150	25	step	25	right	3500	1	● 0181-604 916	● 0281-604 916	● 0391-604 916	



Appearance can vary from picture depending on variant.



EUIBEB001 | EVOLUTION ★★★★★

# ATB® end brush, shank adaption

**ATB® end brush with shank for direct adaption on several tool holders.**  
**Please ask our application technicians for open requests and general questions about the ATB® products.**

- high density and concentricity
- process safety and high service life
- depending on the workpiece material to be machined, brushes are available with ceramic- (NH-C) and siliciumcarbide-trimming (NH-S)
- high machine compatibility because of the shank adaption
- high flexibility in processing allows several customer specific variations

**Application:** On CNC machines, machining centres and on robot systems. Preferably to be used wet with cooling lubricant or oil. Suitable directly after machining for deburring and edge rounding on components with side and inner surfaces, as well as for fine machining of component contours.

Ø	Body Ø	T	S	L		Silicon Carbide 120	Ceramic 80
16	14	25	6	100	1	● 7921-509 911	
18	18	25	6	100	1	● 7931-509 911	
20	20	23	6	82	1	● 1701-509 911	
20	20	25	6	90	1		● 3301-509 911
25	25	30	6	85	1	● 7911-509 911	● 7971-509 911
31	30	25	6	89	1	● 3601-509 914	



EUIBAC001 | EVOLUTION ★★★★★

## Clamping fixtures for ATB® disc brushes

Clamping fixtures with shank-Ø 12 mm and clamping surface DIN 6535-HB.  
Compatible with ATB® disc brushes including a hexagonal mounting bore.

Appearance can vary from picture depending on variant.

Ø	adapt. to	Adapt.		Item Number
50	12 DIN 6535-HB	K	1	● 5002-075 000
76	12 DIN 6535-HB	L	1	● 3642-075 000
85	12 DIN 6535-HB	J	1	● 9602-075 000
106	12 DIN 6535-HB	H	1	● 3652-075 000
125	HSK - 63 / SK - 40	C	1	● 3602-075 000
150	HSK - 63 / SK - 40	D	1	● 3612-075 000
175	HSK - 63 / SK - 40	E	1	● 3622-075 000
200	HSK - 63 / SK - 40	F	1	● 3692-075 000
250	HSK - 63 / SK - 40	G	1	● 1922-075 000



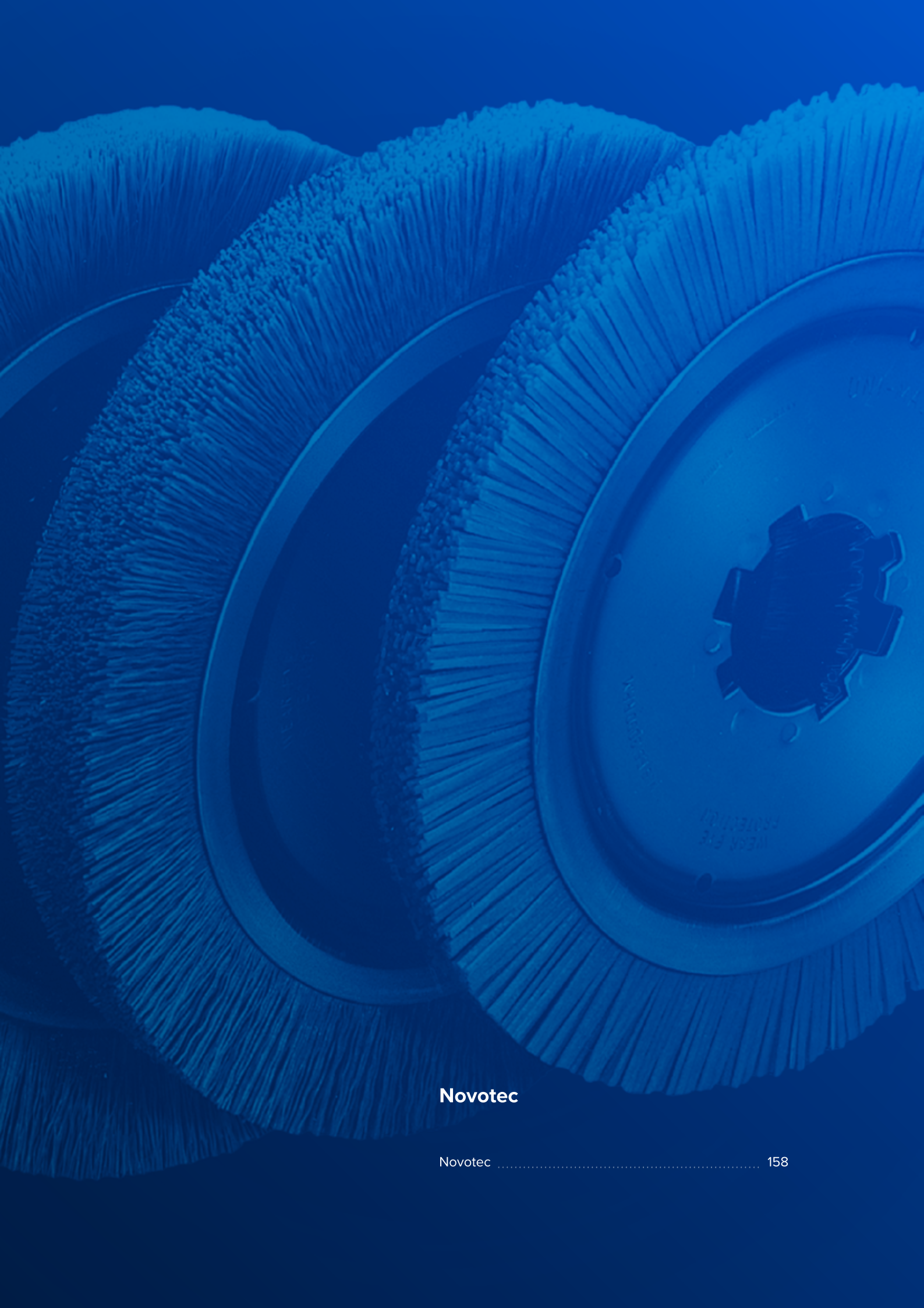
EUIBAC002 | EVOLUTION ★★★★★

## Tool holders for ATB® disc brushes

Compatible with ATB® disc brushes including a Ø18 mm central bore with driving bores.

Appearance can vary from picture depending on variant.

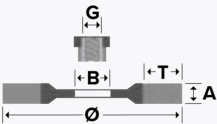
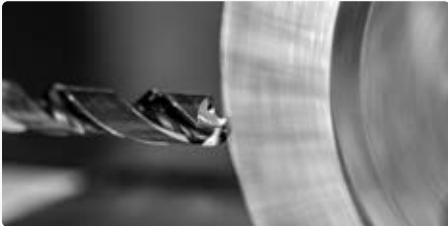
adapt. to	Adapt.		Item Number
WELDON S. Ø 12, HSK - A63	H, J, K, L	1	● 4933-604 000
WELDON S. Ø 12, HSK - A100	H, J, K, L	1	● 6303-604 000
SK - 40, DIN 69871	C, D, E, F, G	1	● 3613-604 000
HSK - A63, DIN 69893	C, D, E, F, G	1	● 3603-604 000
HSK - A100, DIN 69893	C, D, E, F, G	1	● 3633-604 000



**Novotec**



Appearance can vary from picture depending on variant.



EUPBWB029 | EVOLUTION ★★★★★


## Novotec diamond wheel brushes

Individual disc brushes wound around a steel flange and with very narrow working widths.

- The hardest abrasive is used as the abrasive grain: Diamond. This ensures a high cutting performance and a long service life of the brushes.

**Application:** On CNC machines, machining centres and on robot systems. Preferably to be used wet with cooling lubricant or oil. Suitable directly after machining for deburring and edge rounding on components with side and inner surfaces, as well as for fine machining of component contours.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

Ø	A	T	B	RPM max.	Ø Fill	PKG.		Nylon Diamond 240	Nylon Diamond 400	Nylon Diamond 600
150	4	23	20	2800	0.4	POS Box	1		● 4001-901 924	● 6001-901 924
150	4	23	20	2800	0.6	POS Box	1	● 2401-901 924		
150	8	23	20	2800	0.4	POS Box	1		● 4001-902 924	● 6001-902 924
150	8	23	20	2800	0.6		1	● 2401-902 924		
200	4	23	20	1400	0.4		1			● 6001-901 926
200	8	23	20	1400	0.4	POS Box	1			● 6001-902 926





**Punched brushes**

Punched brushes .....	160
Multizack .....	166

## Punched brushes

Punched brushes are extremely versatile and can be precisely matched to the application. This applies in particular to the wide range of outside diameters and installation widths. Due to the plastic or wooden bodies used, a significantly lower dead weight can be achieved compared to metal body brushes, which has a positive effect on the required drive power of the brush system. Individual holes are drilled in the body in a fixed pattern and the bristle material is punched in. The number of holes in the brush body and their spacing from each other ultimately determine the fill density of the brush.

Punched brushes are therefore used in a lower speed range and are suitable for both dry and wet applications. For applications in the food industry bodies and bristles are available that meet exactly these requirements.

### Advantages

- Variable outside diameters and working widths
- Variable fill densities
- Wide range of bristles and wires
- Almost infinite configuration possibilities
- Low dead weight
- Good price-performance ratio

### APPLICATIONS

- cleaning
- washing
- guiding
- transporting
- stripping
- straightening
- oiling, sealing
- deburring
- derusting
- paint stripping
- pressing
- picking up
- braking
- sorting
- distributing and many more

## Types of Punched Brushes

We offer disc brushes, lath brushes and wheel/roller brushes in punched shape. A specialty are our Multizack roller brushes, which you will find at the end of the chapter.



Wheel and roller brushes



Disc brushes



Lath brushes



Multizack brushes



## Fill Materials

Non-abrasive bristle								
D	Nylon 6.0	Nylon 6.6	Nylon 6.10/12	PPN	Steel wire	Brassed	Stainless steel	Brass
Application	dry	wet	wet, for food industry	acidic and alkaline areas	deburring, derust, roughen	deburring, derusting, toughening, texturing wood	deburring, roughen, clean	non-ferrous metals
0.20	X	X	X		X		X	X
0.30	X	X	X	X	X	X	X	X
0.50	X	X	X	X				
0.60	X	X	X					
0.80	X	X	X	X				
1.00	X	X	X					
1.50	X	X	X					
straight	X	X	X	X	X	X	X	
crimped	X	X	X	X	X	X	X	X

Abrasive bristle					Natural bristle	
D	SIC	Ceramics	Aluminium oxyde	Diamond	Horsehair	Tampico
Application	deburring, universal, texturing wood	deburring of steel and stainless steel, cast iron	deburring, surface processing of non-ferrous metal	deburring, suitable for carbide	clean, remove dust, transport, press	polish, clean, suitable for high temperatures
46	X		X			
60	X		X			
80	X	X	X			
120	X	X	X			
180	X	X	X			
240	X	X	X	X		
320	X	X	X	X		
600	X		X	X		
straight	X	X	X	X		
crimped					X	X



Appearance can vary from picture depending on variant.



### Punched Disc brushes

Disc brushes are used in a wide variety of industries and sectors when flat surfaces or geometrically demanding components are to be machined. Disc brushes with abrasive bristles are mainly used for deburring of components with machined surfaces or for flat parts. It is necessary that the disc brushes are used with a component overlap of approx. 20 % of the brush diameter in order to achieve an effective and consistent deburring result. It is also important to match the disc brushes with the correct speed to the corresponding brush diameter. As an example, a disc brush with Ø 150 mm should be used at approx. 1,100 - 1,200 rpm.

The area in the center of a disc brush, free and not filled with bristles, the so-called "free center" is necessary so that the difference in circumferential speed from the outer Ø to the center of the brush is not too great. Which ensures stable processing and uniform wear of bristles and wires.

If you are unsure and would like advice, we are happy to help: [service@osborn.de](mailto:service@osborn.de)

Customized special design		
Ø Outside in mm	K Body thickness in mm	T Trim length in mm
from 30 - 500 possible	10 - 40	14 - 125

Standard diameter		
Ø Outside in mm	K Body thickness in mm	T Trim length in mm
130 - M14	20	14 - 125
150 - M14	20	14 - 125
150	25	14 - 125
165	25	14 - 125
175	25	14 - 125
Body material: plastic, wood, multiplex		



### Punched Lath brushes

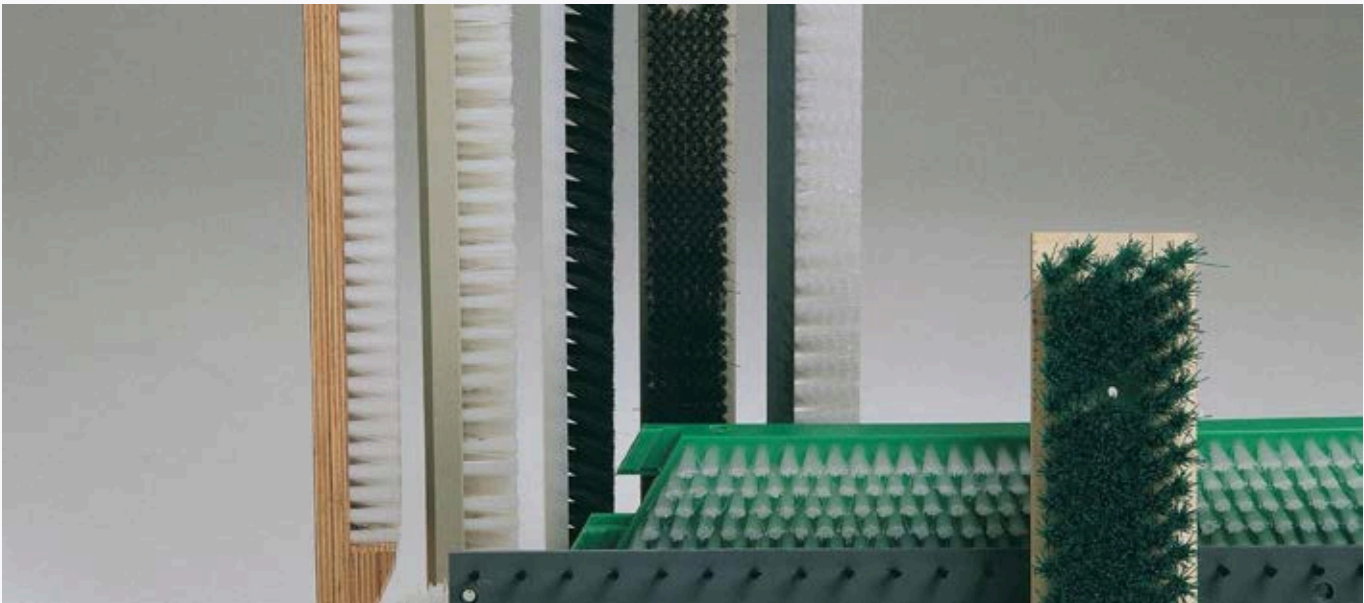
The strip brushes are used in many areas of industry for transporting and positioning a wide variety of components. In addition to the requirements for aligning, braking, wiping and noise reduction in the material flow of parts, the lath brushes are also used for materials with sensitive surfaces such as paper, glass, plastic, etc. as a guiding, sliding and supporting element. Here, the large variety of possible combinations of trim and body materials in a wide range of dimensions meets the requirements.

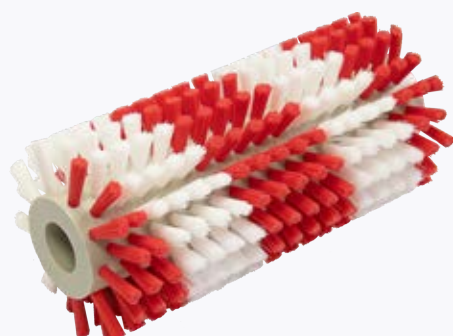
If you would like advice, we would be happy to help you: [service@osborn.de](mailto:service@osborn.de)

Appearance can vary from picture depending on variant.



	Minimal in mm	Maximal in mm
H Body height	10	100
B Body width	10	400
L Body length	10	1000
T Free trim length	10	100





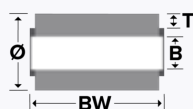
### Punched Wheel and Roller brushes

The punched wheel/roller brushes are special, versatile and are used in a wide range of industrial applications. In addition to cleaning conveyor belts and metal sheets, they are often used for transporting, wiping, washing, dedusting, oiling, guiding, pressing on, etc. A wide range of applications can also be found in the food sector.

For the use on the corresponding machines and drives, we also offer the corresponding mounting and drive shafts in steel and stainless steel for the stamped roller brushes. We will manufacture them according to your specifications.

Appearance can vary from picture depending on variant.

If you are unsure and would like advice, we are happy to help:  
service@osborn.de



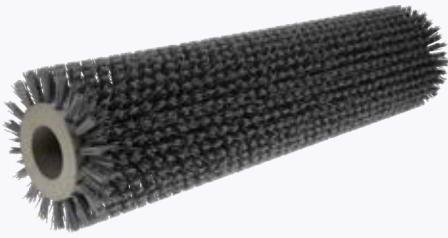
Ø Brush			BW Body length	T Trim length
K Body Ø in mm	Min. in mm	Max. in mm	Min. max. in mm	Min. max. in mm
20	25	270	6.5 - 800	14 - 140
40	45	290	6.5 - 800	14 - 140
60	65	310	6.5 - 800	14 - 140
80	85	330	6.5 - 800	14 - 140
100	105	350	6.5 - 800	14 - 140
120	125	370	6.5 - 800	14 - 140
140	145	390	6.5 - 800	14 - 140
160	165	410	6.5 - 800	14 - 140
180	185	430	6.5 - 800	14 - 140
200	205	450	6.5 - 800	14 - 140
220	225	470	6.5 - 800	14 - 140
240	245	490	6.5 - 800	14 - 140
250	255	500	6.5 - 800	14 - 140

#### Abrasive bristles:

maximum body length 1,500 mm

#### Wire, non-abrasive bristles:

Maximum body length 800 mm. Can be extended up to 3,000 mm by means of segmentation.



Appearance can vary from picture depending on variant.



EUPBRB006 | SUPERIOR ★★☆☆☆

## Roller brushes for wood brushing machines, abrasive filament

**Roller brush with abrasive filament, industrial quality, for use on stationary wood brushing machines.**

- Uniform trim distribution in dense or light punching density ensures a homogeneous result
- Long service life; therefore reduced tool and unit costs
- Individual brush design for your application purposes and according to your requirement profile

**Application:** Processing, structuring, finishing, deburring of wood boards in stationary brush machines.



### Do you need a customized brushing solution?

We manufacture punched brushes to customer specifications to suit your applications and machines. We can produce almost any face width, brush diameter and adaptation. Get in touch with us.

info@osborn.de or [www.osborn.com/qr/punched-roller-brushes-en](http://www.osborn.com/qr/punched-roller-brushes-en)

Ø	T	BW	B		Silicon Carbide 60	Silicon Carbide 80	Silicon Carbide 120
150	25	600	40	1	● 7261-451 914	● 7281-451 914	● 8611-451 914

## MultiZack® – Punched Brush System Modular, Simple and Fast.

### A multitude of configuration options.

The MultiZack® brush system from Osborn is a modular design system. In a modular system, brush bodies, filler arrangements, filler densities and various filler materials can be selected and may also be combined. Seven standardised body diameters are available. The bodies are made from polypropylene with high glass fibre content. The bodies are dimensionally stable, acid and alkali-resistant, safe for use in the food industry, they are light and have a very long service life.

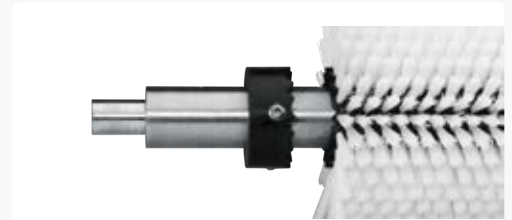
Individual brush segments can be pushed onto a shaft one after the other. The segments are then secured at both ends of the shaft by an adjusting ring. For processing widths above 800 mm additional locking screws are used to secure individual segments.

Replacing worn brush segments is very easy and also cost-effective, because the operator can replace the segment themselves keeping machine downtime to a minimum. Additionally, operating stock is also minimised as there is no need for transporting the roller body when recovering with a new bristle arrangement. The brush segments themselves require very little storage space.

**Note:** Special designs using alternative materials for the brush body such as wood or hardboard can be produced to suit any specific application.

### Benefits Overview

- Simple and fast mounting by the operator
- Easy replacement of individual brush segments if they become worn
- Disposable system – the brush shaft can be reused
- Various brush diameters and working widths available
- Standard spindle hole diameters can be modified by inserting adapters
- Multiple segments can be mounted on a single shaft
- Teeth positively lock the segments to the shaft and the bodies are secured with an adjusting ring
- A variety of different fill materials can be used
- Different fill patterns (also with fields of bristles offset to each other)
- Three different fill densities with full cover
- Space-saving storage and favourable transport costs achieved through delivery of individual segments
- No separate packaging is required
- The MultiZack® body has high shape stability and temperature resistance due to the use of glass fibre reinforced plastic
- Homogeneous and closed fill surface without gaps forming between the individual segments



The Multi-Zack segments are positioned and secured on the shaft with the appropriate Multi-Zack adjusting rings. The tothing ensures the drive and the torque transmission.





## A million uses

The modular design and simple assembly of the MultiZack® makes it suitable for use for an extremely wide range of different tasks. Here are just a few examples:

### **Cleaning, washing, polishing, deburring, peeling, oiling, moistening and dust removal of**

Moulds, die plates, dies, foils, conveyor belts, sheets, foodstuffs, containers, wood

### **Transport, guiding, dividing, sorting, dosing of:**

Foodstuffs, tablets, glass and small parts



MultiZack® brushes are suitable for cleaning, transporting and polishing fruit or vegetables.

## Fill Material

A variety of different fill materials can be used.

Most suitable are synthetic monofilaments. The most commonly used fill materials are nylon (Novofil®) in various versions with and without abrasives as well as natural hair (e.g. horsehair) and pure plant fibres. Depending on the application, wire can also be used as fill material.

## Customised Bore Size

Should a customised size for the axle hole diameter be required, the body segment can be fitted with a reducing insert.



### **Abrasive nylon bristles**

with grit size 46-1.000 and the associated thread diameter of 1.5 to 0.25 mm

- Novofil-NHS, NHC, NHA

### **Natural hair**

- Horsehair
- Goat hair

### **Plant fibres**

- Mexico Fibre / Tampico

### **Synthetic bristles**

in many colours, smooth and crimped

- Nylon (polyamide) PA-6/PA6.6/PA6.10/PA6.12
- Polypropylene PP
- Polyester

### **Wires**

- Steel wire
- Stainless steel wire
- Phosphor bronze wire
- Brass wire
- Brass coated steel wire

**Fill arrangements**

There is a wide selection of fill arrangements to choose from. The fill materials can also be arranged in an offset pattern.



Fill arranged with fields offset to one another.



Fields of bristles with different coloured fill material, offset to one another.



Fill arranged in a V-shape with a rising spiral from the centre to the left and right.



Full fill



Fill arrangement in fields



Spiral fill running to the left



Spiral fill running to the right



Spiral fill running to the right and to the left

**Fill density**

We can provide three fill densities for each body diameter as standard: Loose, medium and high density.



Loose density



Medium density



High density

## Technical data

Designation	Outer D. max	Body D	Bore	Teeth	Rows	Fill density
MZ 31 06 81	231	31	20	6	12	loose
MZ 31 08 60	231	31	20	8	16	medium density
MZ 31 10 48	231	31	20	10	20	high density
MZ 45 08 88	245	45	25	8	16	loose
MZ 45 12 59	245	45	25	12	24	medium density
MZ 45 16 44	245	45	25	16	32	high density
MZ 57 10 89	257	57	35	10	20	loose
MZ 57 15 60	257	57	35	15	30	medium density
MZ 57 18 50	257	57	35	18	36	high density
MZ 65 12 85	265	65	40	12	24	loose
MZ 65 17 60	265	65	40	17	34	medium density
MZ 65 20 50	265	65	40	20	40	high density
MZ 86 12 112	286	86	60	12	24	loose
MZ 86 20 67	286	86	60	20	40	medium density
MZ 86 30 45	286	86	60	30	60	high density
MZ 100 14 112	300	100	75	14	28	loose
MZ 100 18 87	300	100	75	18	36	medium density
MZ 100 22 71	300	100	75	22	44	high density
MZ 125 18 110	325	125	100	18	36	loose
MZ 125 24 82	325	125	100	24	48	medium density
MZ 125 28 70	325	125	100	28	56	high density

## Request an offer

If you wish to provide us with the parameters for your application, we would be more than happy to send you an offer for a MultiZack® brush.

Simply download our request form, fill it in and send it off.

<https://www.osborn.com/downloads/Osborn-Multizack-Form-EN.pdf>

**Note:** Are you not really sure which configuration is the best choice for your application? No problem. Our application engineers will be happy to advise you.







## **Tungsten Carbide Burrs**

### Recommended application speed (RPM)

	Soft Material		Hard Material	
	<ul style="list-style-type: none"> <li>unalloyed steel</li> <li>cast steel</li> <li>cast iron</li> </ul>		<ul style="list-style-type: none"> <li>alloy steel</li> <li>tool steel</li> <li>rust and acid resistant steel</li> </ul>	
	Cutting Speed (m/min)		Cutting Speed (m/min)	
	min. 450	max. 600	min. 250	max. 350
Ø Head (KD)	RPM		RPM	
3	48.000	64.000	27.000	37.000
6	24.000	32.000	13.000	19.000
8	18.000	24.000	10.000	14.000
9,5	15.000	20.000	8.000	12.000
10	14.000	19.000	8.000	11.000
12	12.000	16.000	7.000	9.000
12,7	11.000	15.000	6.000	9.000
16	9.000	12.000	5.000	7.000

### Recommendations

Problem	Solution
Tool impact/rattle	<ul style="list-style-type: none"> <li>Increase clamping length (min. 2/3 of shank length)</li> <li>Reduce contact pressure</li> <li>Reduce surface contact (max. 1/3 of head circumference)</li> <li>Clamp workpiece with less projection</li> </ul>
Discolouration of the tool in the transition from milling head to shank	<ul style="list-style-type: none"> <li>Reduce speed (see RPM)</li> <li>Reduce contact pressure</li> <li>Reduce surface contact (max. 1/3 of head circumference)</li> </ul>
Head detaches from the shank	
Problems with broken teeth and premature wear	<ul style="list-style-type: none"> <li>Avoid impact loads</li> <li>Increase clamping length (min. 2/3 of shank length)</li> <li>Reduce contact pressure</li> <li>Reduce surface contact (max. 1/3 of head circumference)</li> <li>Clamp workpiece with less projection</li> </ul>

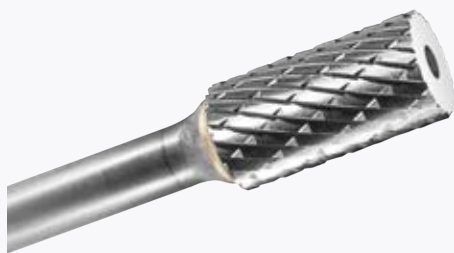
#### Tailor-made solutions

You need a different cut, shaft length or different dimensions?

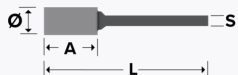
We will be pleased to work out a tailor-made solution for your machining process.

Please contact us: [service@osborn.de](mailto:service@osborn.de)





Appearance can vary from picture depending on variant.



EUGMCB001 | SUPERIOR ★★★★★☆

## Carbide burr ZYA Z6

**Carbide burr with cylindric shape and Z6 tooth system.**

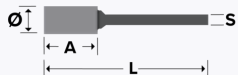
- Suitable for tough applications in the industry or craftsmanship
- Enables to mill out narrow contours and rough machining
- Allows applications with limited RPM
- Clean and smooth finish
- Also available with Z3 (single toothing) and Z4 (staggered toothing)

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0013-080 040
6	3	13	43	40000	1	● 0003-080 043
6	6	16	50	40000	1	● 0013-080 050
8	6	20	65	30000	1	● 0003-080 065
10	6	20	65	25000	1	● 0013-080 065
12.7	6	25	70	18000	1	● 0063-080 070



Appearance can vary from picture depending on variant.



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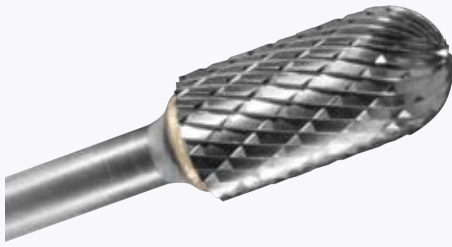
## Carbide burr ZYA-S Z6

**Carbide burr with cylindric shape, spur gearing and Z6 tooth system.**

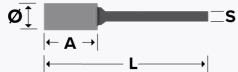
- Suitable for tough applications in the industry or craftsmanship
- Allows applications with limited RPM
- Much longer lifetime
- Clean and smooth finish
- Especially useful for edge rounding

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0023-080 040
6	3	13	43	40000	1	● 0013-080 043
6	6	16	50	40000	1	● 0023-080 050
8	6	20	65	30000	1	● 0023-080 065
10	6	20	65	25000	1	● 0033-080 065
12.7	6	25	70	18000	1	● 0003-080 070



Appearance can vary from picture depending on variant.



EUGMCB003 | SUPERIOR ★★★★★

## Carbide burr WRC Z6

**Carbide burr with ball-cylindric shape and Z6 tooth system.**

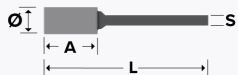
- Suitable for tough applications in the industry or craftsmanship
- Fast edge rounding for inner and outer radii
- Realization of faster process and manufacturing times
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0033-080 040
6	3	13	43	40000	1	● 0023-080 043
6	6	16	50	40000	1	● 0033-080 050
8	6	20	65	30000	1	● 0043-080 065
10	6	20	65	25000	1	● 0053-080 065
12.7	6	25	70	18000	1	● 0013-080 070



Appearance can vary from picture depending on variant.



EUGMCB004 | SUPERIOR ★★★★★

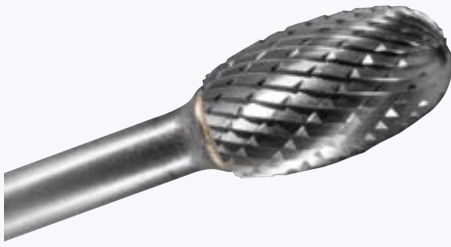
## Carbide burr KUD Z6

**Carbide burr with ball shape and Z6 tooth system.**

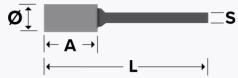
- Suitable for tough applications in the industry or craftsmanship
- Especially useful for processing bores, radii and complexe workpiece geometries
- Realization of faster process and manufacturing times
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	2.8	40	70000	1	● 0043-080 040
6	3	5	39	40000	1	● 0003-080 039
6	6	5	50	40000	1	● 0043-080 050
8	6	6.5	51	30000	1	● 0003-080 051
10	6	9	54	25000	1	● 0003-080 054
12	6	11	54	18000	1	● 0013-080 054
16	6	14	59	13000	1	● 0003-080 059



Appearance can vary from picture depending on variant.



EUGMCB005 | SUPERIOR ★★★★★

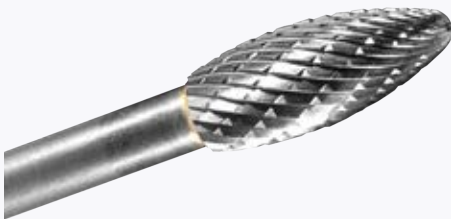
## Carbide burr TRE Z6

**Carbide burr with drop shape and Z6 tooth system.**

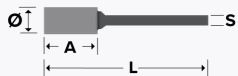
- Suitable for tough applications in the industry or craftsmanship
- Enables to mill out narrow contours and rough machining
- Much longer lifetime
- Especially useful for complexe surfaces and shapes

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	7	40	70000	1	● 0053-080 040
6	3	10	40	40000	1	● 0063-080 040
6	6	16	50	40000	1	● 0053-080 050
8	6	13	58	30000	1	● 0003-080 058
9.5	6	16	61	28000	1	● 0003-080 061
12.7	6	22	67	18000	1	● 0003-080 067



Appearance can vary from picture depending on variant.



EUGMCB006 | SUPERIOR ★★★★★

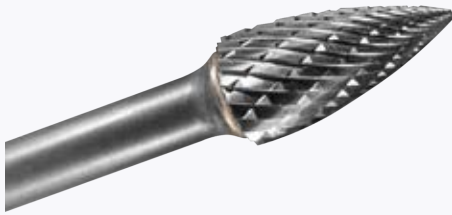
## Carbide burr FLF Z6

**Carbide burr with flame shape and Z6 tooth system.**

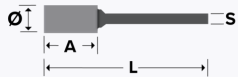
- Suitable for tough applications in the industry or craftsmanship
- Ideal for deburring or milling out bores
- Enables precise processing of weld seams
- Clean and smooth finish
- Ideal for position accurate applications and filigree workpieces

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	8	40	70000	1	● 0073-080 040
6	3	13	43	40000	1	● 0033-080 043
6	6	18	50	40000	1	● 0063-080 050
8	6	20	65	30000	1	● 0063-080 065
10	6	25	70	25000	1	● 0023-080 070
12.7	6	32	77	18000	1	● 0003-080 077



Appearance can vary from picture depending on variant.



EUGMCB007 | SUPERIOR ★★★★★

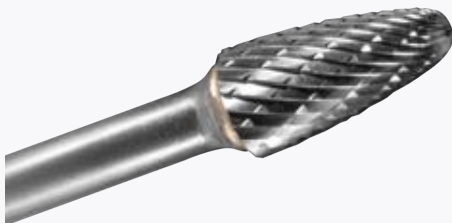
## Carbide burr SPG Z6

**Carbide burr with ogive shape and Z6 tooth system.**

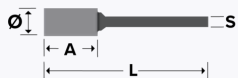
- Suitable for tough applications in the industry or craftsmanship
- Ideal for small and precise workpiece surfaces
- Much longer lifetime
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0093-080 040
6	3	13	43	40000	1	● 0053-080 043
6	6	16	50	40000	1	● 0083-080 050
8	6	18	63	30000	1	● 0003-080 063
10	6	20	65	25000	1	● 0093-080 065
12.7	6	25	70	18000	1	● 0043-080 070



Appearance can vary from picture depending on variant.



EUGMCB008 | SUPERIOR ★★★★★

## Carbide burr RBF Z6

**Carbide burr with round arch shape and Z6 tooth system.**

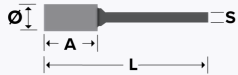
- Suitable for tough applications in the industry or craftsmanship
- Ideal for small and precise workpiece surfaces
- Makes milling operation for preparing weld seams easy

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0083-080 040
6	3	13	43	40000	1	● 0043-080 043
6	6	16	50	40000	1	● 0073-080 050
8	6	20	65	30000	1	● 0073-080 065
10	6	20	65	25000	1	● 0083-080 065
12.7	6	25	70	18000	1	● 0033-080 070



Appearance can vary from picture depending on variant.



EUGMCB009 | SUPERIOR ★★★★★

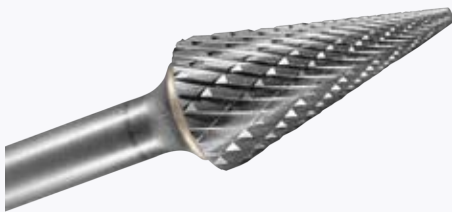
## Carbide burr KEL Z6

**Carbide burr with circular tapered shape and Z6 tooth system.**

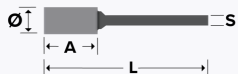
- Suitable for tough applications in the industry or craftsmanship
- Makes milling operation for preparing weld seams easy
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0113-080 040
6	6	16	50	40000	1	● 0103-080 050
8	6	20	65	30000	1	● 0113-080 065
10	6	30	75	25000	1	● 0003-080 075
12.7	6	32	77	18000	1	● 0013-080 077



Appearance can vary from picture depending on variant.



EUGMCB010 | SUPERIOR ★★★★★

## Carbide burr SKM Z6

**Carbide burr with pointed tapered shape and Z6 tooth system.**

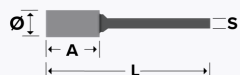
- Suitable for tough applications in the industry or craftsmanship
- Allrounder for diverse deburring operations
- Clean and smooth finish
- Common milling operations and rough machining

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
3	3	13	40	70000	1	● 0103-080 040
6	3	13	43	40000	1	● 0063-080 043
6	6	16	50	40000	1	● 0093-080 050
10	6	20	65	25000	1	● 0103-080 065
12.7	6	25	70	18000	1	● 0053-080 070



Appearance can vary from picture depending on variant.



EUGMCB011 | SUPERIOR ★★★★★

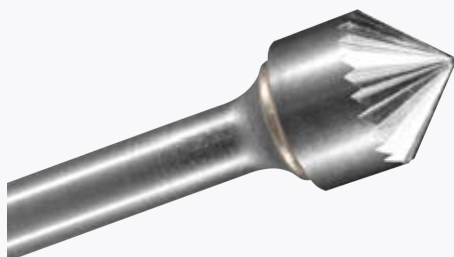
## Carbide burr KSJ Z6

**Carbide burr with countersink shape and Z6 tooth system.**

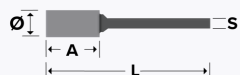
- Suitable for tough applications in the industry or craftsmanship
- Enables precise chamfers
- Common edge processing of bores
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
10	6	13	58	25000	1	0013-080 058



Appearance can vary from picture depending on variant.



EUGMCB012 | SUPERIOR ★★★★★

## Carbide burr KSK Z6

**Carbide burr with 90° countersink shape and Z6 tooth system.**

- Suitable for tough applications in the industry or craftsmanship
- Enables precise chamfers
- Common edge processing of bores
- Clean and smooth finish

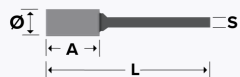
**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
10	6	8	55	25000	1	0003-080 055





Appearance can vary from picture depending on variant.



EUGMCB013 | SUPERIOR ★★★★★

## Carbide burr WKN Z6

**Carbide burr with angled shape and Z6 tooth system.**

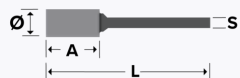
- Suitable for tough applications in the industry or craftsmanship
- Ideal for processing undercuts and areas that are difficult to access
- Clean and smooth finish

**Application:** Carbide burrs with Z6 toothing fitting for steel, stainless steel, grey cast iron, titan and for common weld seams

Ø	S	A	L	RPM max.		Item Number
10	6	13	58	25000	1	● 0023-080 058



Appearance can vary from picture depending on variant.



EUGMCB024 | SUPERIOR ★★★★★

## Carbide burr RBF Z1

**Carbide burr with round arch shape and Z1 tooth system.**

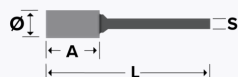
- Suitable for tough applications in the industry or craftsmanship
- Ideal for small and precise workpiece surfaces
- Also available with toothing for metals

**Application:** Carbide burrs with Z1 toothing fitting for woodworking, hard rubber and thermoplastic materials

Ø	S	A	L	RPM max.		Item Number
8	6	20	65	30000	1	● 0253-080 065
12.7	6	25	70	18000	1	● 0203-080 070



Appearance can vary from picture depending on variant.



EUGMCB022 | SUPERIOR ★★★★★

## Carbide burr WRC Z1

**Carbide burr with ball-cylindric shape and Z1 tooth system.**

- Suitable for tough applications in the industry or craftsmanship
- Fast edge rounding for inner and outer radii
- Realization of faster process and manufacturing times
- Clean and smooth finish
- Also available with toothing for metals

**Application:** Carbide burrs with Z1 toothing fitting for woodworking, hard rubber and thermoplastic materials

Ø	S	A	L	RPM max.		Item Number
8	6	20	65	30000	1	● 0243-080 065
12.7	6	25	70	18000	1	● 0193-080 070



Appearance can vary from picture depending on variant.



EUGMCB023 | SUPERIOR ★★★★★

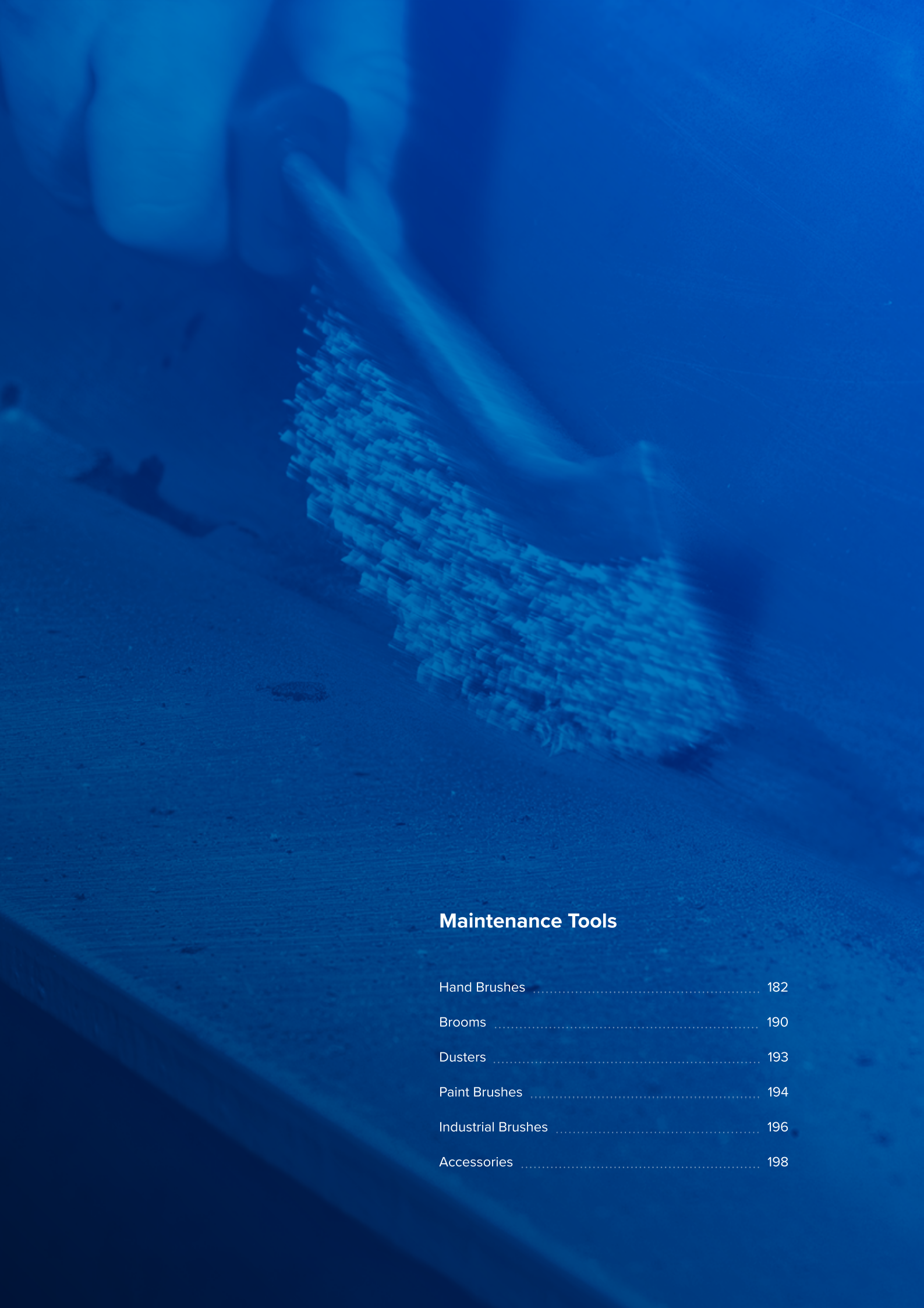
## Carbide burr KUD Z1

**Carbide burr with ball shape and Z1 tooth system.**

- Suitable for tough applications in the industry or craftsmanship
- Especially useful for processing bores, radii and complexe workpiece geometries
- Realization of faster process and manufacturing times
- Clean and smooth finish
- Also available with toothing for metals

**Application:** Carbide burrs with Z1 toothing fitting for woodworking, hard rubber and thermoplastic materials

Ø	S	A	L	RPM max.		Item Number
8	6	6.5	51	30000	1	● 0023-080 051
12	6	11	56	18000	1	● 0013-080 056

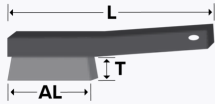


**Maintenance Tools**

Hand Brushes .....	182
Brooms .....	190
Dusters .....	193
Paint Brushes .....	194
Industrial Brushes .....	196
Accessories .....	198



Appearance can vary from picture depending on variant.



EUMBHB001 | PERFECT ★★☆☆☆


## Hand brushes, plastic body

**Hand brush with crimped wire and plastic handle, craftsman quality.**

- Osborn Topseller
- Ergonomically shaped handle
- For general use
- Good price/performance ratio
- Due to narrow shape it can be used when space is tight

**Application:** Quick and easy cleaning work.

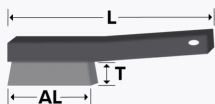
Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

AL	T	L	Rows	PKG.		Steel crimped 0.30	Stainless Steel crimped 0.30	Nylon straight 0.30
140	25	265	1	Brown Box	24	● 0008-462 291	● 0008-462 391	● 3008-462 891
140	25	265	1	POS PET	24	● 9908-462 291	● 9908-462 391	

AL	T	L	Rows	PKG.		Brass Coated Steel crimped 0.30	Brass crimped 0.30	
140	23	265	1	POS PET	24		● 9908-462 591	
140	25	265	1	Brown Box	24	● 0008-462 091	● 0008-462 591	



Appearance can vary from picture depending on variant.



EUMBHB002 | SUPERIOR ★★★★★

## Hand brushes, plastic handle

**Hand brush with plastic body, industrial quality.**

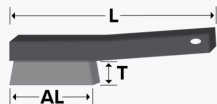
- Ergonomically shaped, sturdy plastic handle
- Dirt-resistant
- Best price/performance ratio

**Application:** Simple rust removal and cleaning work.

AL	T	L	Rows		Steel straight 0.35	Stainless Steel straight 0.35	Brass crimped 0.20
100	23	280	5	10	● 0008-462 135		
130	23	270	2	10	● 0008-462 132		
140	23	280	3	10	● 0008-462 133	● 0008-451 333	● 0008-447 573
140	23	280	4	10	● 0008-462 134	● 0008-451 334	● 0008-447 574



Appearance can vary from picture depending on variant.



EUMBHB003 | SUPERIOR ★★☆☆☆

## Hand brushes, plastic body

**Hand brush with plastic body, industrial quality.**

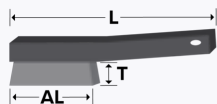
- With particularly ergonomically shaped handle
- Rubber-coated handle makes it anti-slip
- Washable

**Application:** Paint removal, rust removal, cleaning

T	L	Rows	AL		Steel straight 0.35	Stainless Steel straight 0.35	Brass crimped 0.20
23	270	2	110	5	● 0001-432 602	● 0001-432 612	● 0001-432 622
23	270	3	110	5	● 0001-432 603	● 0001-432 613	● 0001-432 623
23	270	4	110	5	● 0001-432 604	● 0001-432 614	● 0001-432 624
23	270	5	110	5	● 0001-432 605	● 0001-432 615	● 0001-432 625



Appearance can vary from picture depending on variant.



EUMBHB004 | SUPERIOR ★★☆☆☆

## Brake calliper brushes, plastic body

**Brake calliper brush with plastic body, industrial quality.**

- With particularly ergonomically shaped handle
- Rubber-coated handle makes it anti-slip
- Washable
- Its narrow shape makes it ideal when space is tight
- For pinpoint work

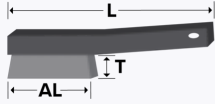
**Application:** Cleaning brake callipers

AL	T	L	Rows		Steel crimped 0.30	Steel straight 0.35	Brass crimped 0.30
95	23	245	2	10	● 3301-462 162	● 3301-462 122	● 3301-462 562





Appearance can vary from picture depending on variant.



EUMBHB005 | SUPERIOR ★★☆☆☆


## Hand brushes, wooden body


Hand brush with wooden body, industrial quality.


- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of trim materials

**Application:** Paint removal, rust removal, cleaning.

Available in practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Rows	AL	T	L	PKG.		Steel crimped 0.30	Steel straight 0.35	Steel straight 1.20	Stainless Steel crimped 0.30
2	145	25	285	Brown Box	12		● 0001-152 132		● 0001-151 392
2	145	25	285	Brown Box	100		● 0001-151 132		
3	145	25	285	Brown Box	12		● 0001-152 133		● 0001-151 393
3	145	25	285	Brown Box	100		● 0001-151 133		
3	145	25	295	POS PET	12		● 9901-152 133		● 9901-151 393
4	145	25	285	Brown Box	12	● 0001-151 194	● 0001-152 134		● 0001-151 394
4	145	25	285	Brown Box	100		● 0001-151 134		
4	145	25	295	POS PET	12		● 9901-152 134		● 9901-151 394
5	145	25	285	Brown Box	12		● 0001-152 135	● 0001-151 125	● 0001-151 395
5	145	25	285	Brown Box	100		● 0001-151 135		
6	145	25	285	Brown Box	100		● 0001-151 136		
6	145	25	295	Brown Box	12		● 0001-152 136		● 0001-151 396

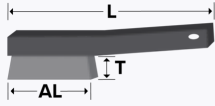
Rows	AL	T	L	PKG.		Stainless Steel straight 0.30	Stainless Steel straight 0.35	Brass Coated Steel straight 0.35	Brass crimped 0.30
2	145	25	285	Brown Box	12	● 0001-152 332	● 0001-151 332	● 0001-152 022	● 0001-150 592
3	145	25	285	Brown Box	12	● 0001-152 333	● 0001-151 333	● 0001-152 023	● 0001-150 593
3	145	25	295	POS PET	12	● 9901-152 333	● 9901-151 333		● 9901-150 593
4	145	25	285	Brown Box	12	● 0001-152 334	● 0001-151 334	● 0001-152 024	● 0001-150 594
4	145	25	295	POS PET	12	● 9901-152 334	● 9901-151 334		● 9901-150 594
5	145	25	285	Brown Box	12	● 0001-152 335	● 0001-151 335	● 0001-152 025	● 0001-150 595
6	145	25	295	Brown Box	12			● 0001-152 026	● 0001-150 596

Rows	AL	T	L	PKG.		Brass straight 0.25	Brass straight 0.30		
2	145	25	285	Brown Box	12		● 0001-158 522		
3	145	25	285	Brown Box	12		● 0001-158 523		
3	145	25	295	POS PET	12	● 9901-158 523			
4	145	25	295	POS PET	12	● 9901-158 524			
5	145	25	285	Brown Box	12		● 0001-158 525		





Appearance can vary from picture depending on variant.



EUMBHB023 | SUPERIOR ★★★★★☆

## Hand brushes, wooden body

**Hand brush with wooden body, industrial quality.**

- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of trim materials
- High quality thermotransfer printed wood body

**Application:** Paint removal, rust removal, cleaning.

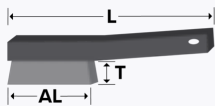
**Please note:** Marked with EAN code, logo and SKU

Rows	AL	T	L		Steel straight 0.35	Stainless Steel crimped 0.30	Stainless Steel crimped 0.35	Stainless Steel straight 0.30
2	145	25	285	12		● 0041-152 392	● 0041-152 332	
2	145	25	295	12	● 0041-152 132			
3	145	25	285	12	● 0041-152 133	● 0041-152 393		
4	145	25	285	12	● 0041-152 134	● 0041-152 394		● 0041-152 334
5	145	25	285	12	● 0041-152 135	● 0041-152 395		
6	145	25	295	12	● 0041-152 136	● 0041-152 396		

Rows	AL	T	L		Stainless Steel straight 0.35	Brass Coated Steel straight 0.30	Brass Coated Steel straight 0.35	Brass crimped 0.30
2	145	25	295	12			● 0041-152 022	● 0041-152 592
3	145	25	285	12	● 0041-152 333		● 0041-152 023	● 0041-152 593
4	145	25	285	12		● 0041-152 024		● 0041-152 594
5	145	25	285	12	● 0041-152 335	● 0041-152 025		● 0041-152 595
6	145	25	295	12	● 0041-152 336		● 0041-152 026	● 0041-152 596



Appearance can vary from picture depending on variant.



EUMBHB006 | SUPERIOR ★★★★★☆

## Hand brushes, wooden body

**Hand brush with wooden body, industrial quality.**

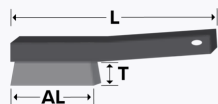
- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of trim materials

**Application:** Paint removal, rust removal, cleaning.

AL	T	L	Rows		Steel straight 0.35	Stainless Steel straight 0.35	Brass straight 0.30
160	30	310	3	12	● 0901-151 093	● 0901-152 333	● 0901-151 593
160	30	310	4	12	● 0901-151 094	● 0901-152 334	● 0901-151 594
160	30	310	5	12	● 0901-151 095	● 0901-152 335	● 0901-151 595



Appearance can vary from picture depending on variant.




EUMBHB017 | SUPERIOR ★★☆☆☆

## Hand brush with scraper

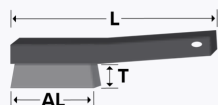
- With robust wooden handle
- For many different applications

**Application:** Cleaning

AL	T	L	Rows		Steel 0.35
135	20	280	4	12	● 0001-181 134



Appearance can vary from picture depending on variant.




EUMBHB007 | SUPERIOR ★★☆☆☆

## Fillet weld brushes, wooden body

**Fillet weld brush with wooden body, industrial quality.**

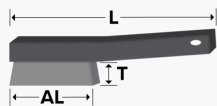
- Osborn Topseller
- V-shaped trim for reaching deep weld and fillet seams
- For pinpoint work
- Practical pin hole, perfect for workshops

**Application:** Cleaning of deep weld seams (suitable from root seams to fill layers)

AL	T	L	Rows		Steel 0.35	Stainless Steel 0.35
145	35	285	3	12	● 0003-162 133	● 0003-162 333
145	35	295	3	12	● 3333-162 133	



Appearance can vary from picture depending on variant.



EUMBHB008 | SUPERIOR ★★★★★

## Fine scratch brushes, wooden body

**Fine scratch brush with wooden body, industrial quality.**

- Dense trim distribution
- For general use
- Flexible wires, so gentle on material

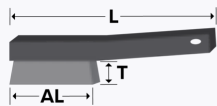
**Application:** Particularly soft and filigree cleaning work, sweeping, dust removal

AL	T	L	Rows	∅ Fill		Steel	Stainless Steel	Nylon
105	18	220	4	0.3	12			● 0003-165 864
105	18	220	4	0.15	12	● 0003-165 134	● 0003-165 334	

AL	T	L	Rows	∅ Fill		Bristle	Brass	
105	18	220	4		12	● 0003-165 964		
105	18	220	4	0.15	12		● 0003-165 584	



Appearance can vary from picture depending on variant.



EUMBHB009 | SUPERIOR ★★★★★

## Spark plug brushes, wooden body

**Spark plug brush with wooden body, industrial quality.**

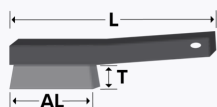
- Perfect size for cleaning standard spark plugs

**Application:** Cleaning of electrodes and contacts of spark plugs.

AL	T	L	Rows		Stainless Steel 0.20	Brass Coated Steel 0.35	Brass 0.20
	17	189	3	24	● 2103-133 373		
	20	189	3	24		● 0004-133 073	
45	18	145	3	24			● 0003-133 573



Appearance can vary from picture depending on variant.




EUMBHB010 | SUPERIOR ★★★★★

## Spark plug brushes, plastic body

Spark plug brush with plastic body, industrial quality.

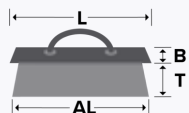
- Perfect size for cleaning standard spark plugs

**Application:** Cleaning of electrodes and contacts of spark plugs

AL	T	L	Rows		Stainless Steel 0.20	Brass 0.20
33	15	180	3	48		● 0008-432 573
33	15	190	3	24	● 0023-133 373	



Appearance can vary from picture depending on variant.



EUMBHB012 | SUPERIOR ★★★★★


## Block brushes, wooden body

Block brush with wooden body and plastic handle, industrial quality.

- Nailed on plastic handle enables controlled work
- The variant with variably adjustable intermediate board changes the brush hardness

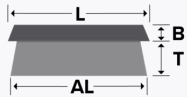
**Application:** Cleaning of large surfaces.

**0281-307 095** with variably adjustable intermediate board

AL	T	L	Rows	Fill Material	Ø Fill		Item Number
190	40	205	5	steel	0.35	10	● 0281-307 095
190	40	205	5	steel	0.35	10	● 7601-306 095



Appearance can vary from picture depending on variant.



EUMBHB013 | SUPERIOR ★★★★★

## Block brushes, wooden body

**Block brush with wooden body, industrial quality.**

- Practical pin hole
- Ergonomic working, violin shape makes it easier to manoeuvre

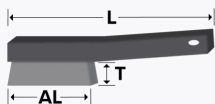
**Application:** Cleaning of large surfaces.

AL	T	L	Rows		Steel 0.35	Steel 0.90
150	35	190	5	10		● 0023-179 197
170	35	210	5	10	● 0001-179 097	

AL	T	L	Rows		Stainless Steel 0.35	Brass Coated Steel 0.30
170	35	210	5	10	● 0001-179 397	● 0001-179 297



Appearance can vary from picture depending on variant.



EUMBHB011 | SUPERIOR ★★★★★

## File brushes, wooden body

**File brush with scratch strip and wooden body, industrial quality.**

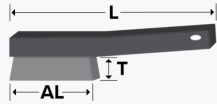
- Practical pin hole
- Large brush area, tightly packed with very fine bristles (scratch strip)
- Good price/performance ratio

**Application:** Particularly stuck chips such as brass, copper or bronze and other impurities on files are removed so that the file can fully unfold its cutting effect the next time it is used.

AL	L		0.30
100	240	12	● 0003-140 101
100	255	12	● 0003-140 104
110	250	12	● 0003-140 102



Appearance can vary from picture depending on variant.




EUMBHB016 | SUPERIOR ★★★★★


## Hand brushes, wire handle

**Hand brush with wire handle, industrial quality.**

- Wire handle allows quite good handling with a slim construction
- Precise and accurate work due to narrow working width of the brushes
- Diverse selection of trim materials

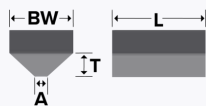
**Application:** Quick and easy cleaning operations in hard-to-reach surface areas. Also helpful to remove oxide layers.

AL	T	L		Steel 0.20	Stainless Steel 0.20
65	15	220	10	● 3108-461 291	● 3108-461 391

AL	T	L		PVC 0.20	Brass 0.20
65	15	220	10	● 3108-461 891	● 3108-461 591



Appearance can vary from picture depending on variant.




EUMBBR001 | SUPERIOR ★★★★★

## Weeding brush, wooden body

**Weeding brush with wooden body, industrial quality.**

- The V-shape arrangement of the trim material also enables difficult to access, and deep, places to be cleaned thoroughly
- With 24 mm shaft hole (without thread) for securing a wooden handle for convenient working without having to bend down
- Broomstick is also available

**Application:** Removal of moss and weeds from pathways and plaster surfaces, in joints and cracks.

T	L	BW	Rows		Steel straight 0.35
38	100	35	3	25	● 0001-261 173





Appearance can vary from picture depending on variant.



EUMBBR002 | SUPERIOR ★★★★★

## Broom, wooden body, wire

**Broom with wooden body, industrial quality, diameter for broom shaft 22 mm.**

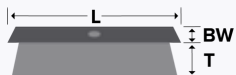
- Long life
- Sturdy
- Effortless cleaning

**Application:** Cleaning, dust removal, sweeping.

T	L	BW	Rows		Steel 0.50	Steel 1.20
75	300	60	5	10		● 0001-102 005
75	300	60	6	10	● 0001-102 006	● 0001-102 016
75	300	65	5	10	● 0001-102 095	



Appearance can vary from picture depending on variant.



EUMBBR003 | SUPERIOR ★★★★★

## Workshop broom, wooden body

**Workshop broom with wooden body and Korfil-D trim, industrial quality.**

- Particularly rigid, bristles do not bend or buckle like conventional plastic bristles
- Guarantees excellent cleaning performance
- Also cleans up the smallest dirt particles

**Application:** Cleaning of workshop floors with high level of dirt.

Available in practical POS box packaging with Euro-standard hole for ideal presentation at the POS.

T	L	BW	Rows	PKG.		Korfil-D 0.45
75	400	60	6	Brown Box	1	● 0001-104 924
75	700	700	7	POS Box	1	● 9711-104 925



Appearance can vary from picture depending on variant.




EUMBBR004 | SUPERIOR ★★★★★

## Broom, wooden body

**Broom with wooden body, industrial quality.**

- With handle holder, diameter 28 mm
- Particularly sturdy variant
- Easy to use
- Particularly dense bristles

**Application:** Cleaning, dust removal, sweeping, suitable particularly for cleaning outside

T	L	BW	Rows		PVC	Elaston	Coconut Fibre
75	400	100	5	5	● 0003-101 940		
80	600	55	9	6	● 0003-102 960		
80	800	55	5	6			● 0003-102 980
95	320	70	5	5		● 0004-102 925	



Appearance can vary from picture depending on variant.




EUMBBR005 | SUPERIOR ★★★★★

## Scrub brushes, wooden body, wire

**Scrub brush with wooden body, industrial quality, handle hole diameter 22 mm.**

- Dense, sturdy trim
- Good cleaning performance

**Application:** Cleaning and scrubbing of floors and other surfaces.

T	L	BW	Rows		Steel 0.35
30	210	60	6	10	● 0001-122 096
40	210	60	7	10	● 0001-120 097



Appearance can vary from picture depending on variant.



EUMBBR007 | SUPERIOR ★★★★★

## Broom, wooden body, wire

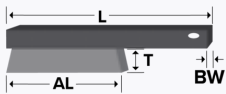
Broom with wooden body, industrial quality, diameter for broom shaft 22 mm.

- Long life
- Sturdy
- Effortless cleaning

T	L	BW	Rows		Steel 1.10
75	300	60	6	10	● 0001-100 016



Appearance can vary from picture depending on variant.



EUMBHB025 | SUPERIOR ★★★★★

## Duster, wooden body

Duster with wooden body, industrial quality.

- Guarantees excellent cleaning performance
- Also cleans up the smallest dirt particles

**Application:** Variant with steel wire is suitable mainly for sweeping metal chips and similar stubborn machining residues.

T	L	BW	Rows		Steel	Coconut Fibre	Korfil-D
60	310	35	4	10	● 0001-110 114		● 0181-110 924
80	295	45	4	10		● 0003-102 924	



Appearance can vary from picture depending on variant.

EUMBHB026 | SUPERIOR ★★★★★

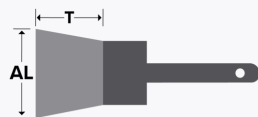
## Dust pan, metal

Dust pan in lacquered metal

DU		Item Number
10	10	● 0003-104 030



Appearance can vary from picture depending on variant.




EUMBPB001 | SUPERIOR ★★★★★

## Flat paint brush, plastic handle

**Flat paint brush with plastic handle, industrial quality.**

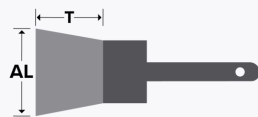
- Practical pin hole
- Very low bristle loss
- Good levels of paint absorption and application
- Good stroke pattern

**Application:** Application of paint, lacquering and dust removal.

AL	T		Bristle
20	40	12	● 0003-086 102
30	40	12	● 0003-086 103
40	40	12	● 0003-086 104
50	40	12	● 0003-086 105
60	43	12	● 0003-086 106



Appearance can vary from picture depending on variant.




EUMBPB002 | SUPERIOR ★★★★★

## Radiator paint brush, plastic handle

**Paint brush for radiators and corners, with plastic handle, industrial quality.**

- Practical pin hole
- Long handle
- Perfect shape for areas difficult to access
- Non-drip working

**Application:** Application of paint in areas and corners that are difficult to reach.

AL	T		Bristle
25	42	12	● 1003-086 425
38	42	12	● 1003-086 438
50	42	12	● 1003-086 450
75	45	12	● 1003-086 475



EUMBPB003 | SUPERIOR ★★★★★

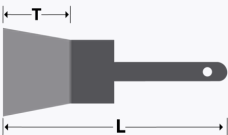
## Wire Paint Brush

Wire Paint Brush with wooden handle

- Practical pin hole

**Application:** Cleaning

Appearance can vary from picture depending on variant.



L	T	Rows		Steel 0.35
202	40	2	30	● 0004-114 033



EUMBPB004 | SUPERIOR ★★★★★

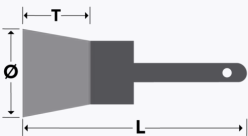
## Round paint brush, plastic handle

Round paint brush with plastic handle, industrial quality.

- Practical pin hole
- Very low bristle loss
- Good levels of paint absorption and application

**Application:** Application of paint, lacquering and dust removal.

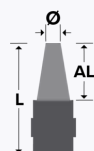
Appearance can vary from picture depending on variant.



Ø	T		Bristle
10	40	12	● 1003-086 204
13	40	12	● 1003-086 206
16	40	12	● 1003-086 208
23	45	12	● 1003-086 212
26	50	12	● 1003-086 214
30	50	12	● 1003-086 216



Appearance can vary from picture depending on variant.



EUMBHB018 | SUPERIOR ★★★★★

## Battery terminal brushes, steel wire

**Battery terminal brush with plastic body, industrial quality.**

- One brush with two uses - tapered brush trim for cleaning the connection terminals; ring-shaped end with bonded scratch strip for cleaning the battery terminals
- Plastic cover to protect the brush

**Application:** Cleaning battery poles and terminals

**0008-493 100** Ø 15 - 25 mm

AL	L		Steel crimped
65	120	12	● 0008-493 100



Appearance can vary from picture depending on variant.



EUMBHB014 | SUPERIOR ★★★★★

## Hole cleaning brushes, crimped wire

**Hole cleaning brushes with crimped wire, industrial quality, for internal finishing.**

- With robust wooden handle
- For many different applications

**Application:** Use mainly in the building trade for the manual cleaning of (cross) holes and threads; for the cleaning inside of steel, wood and synthetics and for removing chips and loose particles.

Ø	AL	L		Steel 0.20	Steel 0.30
15	100	280	10	● 0002-892 215	
20	100	280	10	● 0002-892 220	
25	100	280	10	● 0002-892 225	
30	100	280	10		● 0002-892 230





Appearance can vary from picture depending on variant.



EUMBHB019 | SUPERIOR ★★☆☆☆

## Fitting brushes, steel wire

**Fitting brush with plastic handle, industrial quality.**

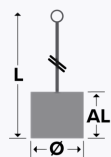
- Quick and efficient cleaning
- Sturdy handle with pin hole

**Application:** For the cleaning inside of pipes and solder fittings made of copper and metal.

Ø	AL	L		Steel
13	25	160	12	● 0003-075 252
16	25	160	12	● 0003-075 253
19	28	160	12	● 0003-075 254
23	25	160	12	● 0003-075 255
29	32	160	12	● 0003-075 257



Appearance can vary from picture depending on variant.



EUMBHB020 | SUPERIOR ★★☆☆☆

## Stove pipe cleaner, crimped wire

**Stove pipe cleaner with crimped wire, industrial quality, for manual cleaning of stove pipes.**

- The flexible wire handle makes it very easy to negotiate and clean bends in pipes

**Application:** For cleaning stove pipes and boilers.

Ø	AL	L		Steel crimped 0.30
125	120	2,000	10	● 0002-824 213
125	120	3,000	10	● 0002-825 213
140	120	3,000	10	● 0002-825 214
160	120	3,000	10	● 0002-825 216



EUMBHB022 | SUPERIOR ★★★★★

Radiator cleaning brush, straight wire

Radiator cleaning brush with straight wire, industrial quality, for manual cleaning of radiators.

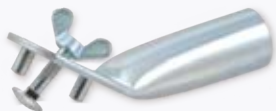
- Thread connection enables mounting on wire handle
- Flexible trimming allows to reach narrow surfaces

**Application:** For cleaning boilers and radiators.

Appearance can vary from picture depending on variant.



A	AL	AT	L	G		Steel straight 0.35
100	100	50	170	1/2"	1	● 0003-820 115
100	100	50	170	1/2"	10	● 0002-820 115
100	100	50	170	3/8"	10	● 0002-828 115
120	100	50	170	1/2"	10	● 0002-820 119



EUMBBR008

Handle holder, metal

For workshop broom order no. 9711-104 925.

Appearance can vary from picture depending on variant.

DU		Item Number
1	1	● 0003-000 001



EUMBBR009 | SUPERIOR ★★★★★

Broom handle, wood

handle for brooms and weeding brush

0003-999 026 with thread

Appearance can vary from picture depending on variant.



Ø	L		Item Number
24	1,300	5	● 0003-999 026
24	1,300	5	● 0003-000 024
28	1,400	5	● 0003-999 027

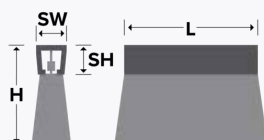




## Strip Brushes



Appearance can vary from picture depending on variant.



EUSBMB001 | SUPERIOR ★★☆☆☆

## Strip brushes, nylon filament

**Strip brush with Nylon filament for aluminium extrusion type h-profile 180° and type F-profile 90° for various applications in all areas of industry.**

- Deliveries in lengths 1000 mm, 2000 mm or 3000 mm
- Large quantities in other lengths or specific hole pattern as special production possible
- Flexible mounting opportunities (riveted, screwed, glued, ...)
- Individually adjustable in length (for example with tin snips)

**Application:** Strip brush for sealing, guiding, transporting, positioning, protecting, hemming, stripping etc.



**Accessories available: Aluminium extrusion, F-profile 90°. More on page 203**

**Accessories available: Aluminium extrusion, h-profile 180°. More on page 203**



H	SW	SH	L	Adapt.	∅ Fill	Fill Material		Item Number
15	2.5	2.7	3,000	A	0.15	nylon	1	● 0904-905 822
19	4	3.7	3,000	B	0.15	nylon	1	● 0924-905 822
25	5.1	6.3	3,000	E	0.2	nylon	1	● 0924-905 823
32	5.1	6.3	3,000	E	0.2	nylon	1	● 0904-905 824
45	4	3.7	3,000	B	0.15	nylon	1	● 0904-905 825
45	5.1	6.3	3,000	E	0.2	nylon	1	● 0914-905 825
50	6.6	7.5	3,000	K	0.2	nylon	1	● 0924-905 825
60	7.8	8.7	3,000	F	0.5	nylon	1	● 0904-905 856
60	7.8	8.7	3,000	F	0.9	nylon	1	● 0904-905 896
75	6.6	7.5	3,000	K	0.3	nylon	1	● 0904-905 837
75	7.8	8.7	3,000	F	0.3	nylon	1	● 0904-905 847
115	7.8	8.7	3,000	F	0.5	nylon	1	● 0904-905 859
150	11.4	12.5	3,000	L	0.6	nylon	1	● 0904-905 869
230	11.4	12.5	3,000	L	0.9	nylon	1	● 0904-905 899

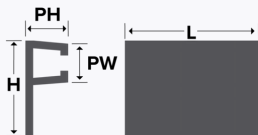




EUSBGR002 | SUPERIOR ★★★★★

## Aluminium extrusion, F-profile 90°

Appearance can vary from picture depending on variant.



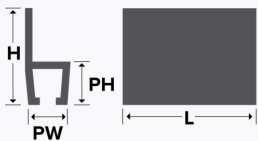
H	PW	PH	L	Adapt.	Shape		Item Number
14	5.2	5.7	3,000	A	F-profile 90°	1	● 0214-906 000
16	7.3	7	3,000	B	F-profile 90°	1	● 0224-906 000
27	9	10	3,000	E	F-profile 90°	1	● 0244-906 000
37	12	12	3,000	K	F-profile 90°	1	● 0254-906 000
41	13	14	3,000	F	F-profile 90°	1	● 0264-906 000
62	17	18	3,000	L	F-profile 90°	1	● 0274-906 000



EUSBGR001 | SUPERIOR ★★★★★

## Aluminium extrusion, h-profile 180°

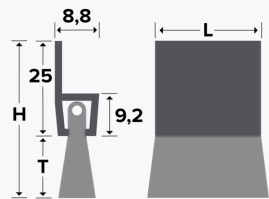
Appearance can vary from picture depending on variant.



H	PW	PH	L	Adapt.	Shape		Item Number
13.5	4.4	4	3,000	A	h-profile 180°	1	● 0114-906 000
15	7.3	7	3,000	B	h-profile 180°	1	● 0124-906 000
27	8.2	10	3,000	E	h-profile 180°	1	● 0144-906 000
33	12	13	3,000	F	h-profile 180°	1	● 0164-906 000
37	12	12	3,000	K	h-profile 180°	1	● 0154-906 000
68	18	17	3,000	L	h-profile 180°	1	● 0174-906 000



Appearance can vary from picture depending on variant.



EUSBMB002 | SUPERIOR ★★☆☆☆

Strip brushes, horse hair, including aluminium extrusion

Strip brushes including aluminium extrusion, h profile 180°, with horse hair trim for the perfect sealing of doors, gates and windows.

- Deliveries in lengths 1000 mm, 2000 mm or 3000 mm
- Large quantities in other lengths or specific hole pattern as special production possible
- Flexible mounting opportunities (riveted, screwed, glued, ...)
- Individually adjustable in length (for example with tin snips)
- Special protection from drafts, dust and noise, insects

**Application:** Strip brushes for the perfect sealing of doors, gates and windows.

H	T	L	Adapt.	Fill Material		Item Number
40	15	1,000	N	horsehair	10	● 0004-906 962
40	15	2,000	N	horsehair	10	● 0034-906 962
50	25	1,000	N	horsehair	10	● 0004-906 963
50	25	2,000	N	horsehair	10	● 0034-906 963
60	35	1,000	N	horsehair	10	● 0004-906 954
60	35	2,000	N	horsehair	10	● 0034-906 954
70	45	1,000	N	horsehair	10	● 0004-906 955
70	45	2,000	N	horsehair	10	● 0034-906 955

## Terms & conditions and contact addresses.

Refer to our website for our general terms of payment and delivery and further information on ordering and dispatch.

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polishing@osborn.com

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0174906000	203	0323305030	90	0904905825	202	1243406050	89
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0182600591	58	0351604916	154	0904905859	202	1302576916	109
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0183310100	93	0802600491	58	0924905823	202	1381604914	151
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0201604916	152	0802600991	62	1002576145	107	1402631151	16
0202611131	52, 75	0802608133	24	1002576345	108	1402631331	17
0202611151	52, 75	0802608134	24	1003086204	195	1402631351	17
0202611351	52, 75	0802608135	24	1003086206	195	1418600005	69
0203080070	179	0802608153	24	1003086208	195	1431604912	153
0211604916	152	0802608154	24	1003086212	195	1431604914	153
0214906000	203	0802608155	24	1003086214	195	1451604913	153
0224509101	86	0802608183	24	1003086216	195	1461604913	153
0224906000	203	0802608184	24	1003086425	194	1518600005	70
0241604916	154	0802608185	24	1003086438	194	1601604914	151
0243003010	88	0802613142	26	1003086450	194	1602608131	23
0243003015	88	0802613144	27	1003086475	194	1602608151	23
0243006030	88	0802613162	26	1004608151	59	1602608331	23
0243006040	88	0802613164	27	1061604916	153	1602613162	26
0243006050	88	0802613165	27	1071604916	153	1602613361	26
0243008040	88	0802613166	27	1102576916	109	1611604918	152
0243008050	88	0802613194	27	1132819110	142	1701509911	155
0243010100	93	0802613195	27	1202509912	66	1802509911	66
0243080065	180	0802613196	27	1202509913	66	1802509912	66
0243304020	90	0802613362	26	1202509914	66	1802509913	66
0243304030	90	0802613363	27	1202576916	109	1802509914	66
0243305030	90	0802613364	27	1202631131	18	1802607914	30
0243305040	90	0802632131	32	1202631151	18	1812509913	67
0243306030	90	0802632151	32	1202653131	18	1922075000	156
0243306050	90	0812509913	67	1202653151	18	<b>2</b>	
0243308050	90	0901151093	185	1212631131	18	2008512061	35
0244906000	203	0901151094	185	1212631151	18	2008512161	35

2008608131	25	3032576145	107	3601509914	155	4902613561	26
2008608151	25	3032576175	107	3601600910	150	4902613562	26
2008608152	25	3032576195	107	3602075000	156	4902613563	27
2008608153	25	3032576345	108	3602632131	32	4912613561	26
2008608154	25	3032576375	108	3602632331	32	4933604000	156
2008613061	28	3032576395	108	3602632351	32	<b>5</b>	
2008613062	28	3101604914	151	3603604000	156	5002075000	156
2008613063	28	3101604916	152	3608532361	22	5211104100	44
2008613064	28	3108461291	190	3612075000	156	5211106100	44
2008613065	28	3108461391	190	3613604000	156	5211107100	44
2008613161	28	3108461591	190	3622075000	156	5211109100	44
2008613162	28	3108461891	190	3633604000	156	5211304100	44
2008613163	28	3111604913	151	3642075000	156	5211306100	44
2008613164	28	3111604916	152	3652075000	156	5211307100	44
2008613165	28	3131604916	152	3692075000	156	5212104100	44
2008622151	33	3141604916	154	3892608131	23	5212106100	44
2008631151	17	3151604913	151	3901411062	95	5212107100	44
2101401913	149	3161604916	154	3901411162	95	5212109100	44
2102576916	109	3181604916	154	3901411342	95	5212304100	44
2103133373	187	3201604916	152	3901411912	94	5212306100	44
2111401913	149	3202509911	66	3902504162	76	5212307100	44
2118631151	17	3202509912	66	3902506162	76	5231004100	41
2121401913	149	3202509913	66	3902512161	35	5231006100	41
2191604916	154	3202509914	66	3902576175	113	5231007100	41
2201604912	151	3211604916	152	3902613161	29	5231009100	41
2202631151	16	3221604914	151	3902613163	29	5231184100	42
2202631331	17	3231604916	152	3902613164	29	5231186100	42
2202631351	17	3241604916	154	3906013009	114	5231187100	42
2211604914	151	3261604916	154	3906013021	114	5231204100	41
2224509101	86	3281604916	154	3906013057	114	5231206100	41
2312607914	30	3301462122	183	3912613163	29	5231207100	41
2352512161	34	3301462162	183	3921401942	94	5231384100	42
2352512342	34	3301462562	183	3931411912	94	5231386100	42
2352512362	34	3301509911	155	3941411912	94	5231387100	42
2352608131	23	3311604913	151	<b>4</b>		5232004100	41
2352608151	23	3311604916	152	4001901924	158	5232006100	41
2352608331	23	3321604914	151	4001902924	158	5232007100	41
2352622151	32	3333162133	186	4021604918	152	5232009100	41
2352622351	32	3351604916	154	4102921051	20	5232184100	42
2401604919	152	3371604916	154	4306026904	16	5232186100	42
2401901924	158	3391604916	154	4341604916	152	5232187100	42
2401902924	158	3401604914	151	4411604914	151	5232204100	41
2431604916	153	3401604916	152	4602626131	16	5232206100	41
2441604916	153	3411604916	152	4602743178	115	5232207100	41
2451604916	153	3431604916	152	4612626331	17	5232384100	42
2461604916	153	3441604916	154	4802576917	109	5232386100	42
2812522051	21	3461604916	154	4802586345	108	5232387100	42
2902632151	32	3481604916	154	4802622131	32	5241104100	43
2906026501	19	3508532161	22	4802622331	32	5241106100	43
<b>3</b>		3601507910	150	4812576917	109	5241107100	43
3008462891	182	3601508910	150	4832576917	109	5241304100	43

5241306100	43	5642576195	107	6901401162	95	7802600891	62
5241307100	43	5642576345	108	6911401942	94	7802600991	62
5241434100	45	5642576375	108	6912613561	37	7811401912	68
5241436100	45	5642576395	108	6912613891	38	7812509913	67
5241437100	45	5642586175	107	6912622891	39	7902613196	31
5241444100	45	5652613142	26	6921401062	95	7911509911	155
5241446100	45	5702509938	116	6921401342	95	7921509911	155
5241447100	45	5708532161	22	6931401912	94	7922613196	31
5242104100	43	5742576375	108	6941401912	94	7931509911	155
5242106100	43	5742576395	108	6951401912	94	7932613196	31
5242107100	43	5791604914	153	6961401912	94	7942613196	31
5242304100	43	5801411912	94	6991604916	153	7971509911	155
5242306100	43	5901604918	152	<b>7</b>		<b>8</b>	
5242307100	43	5908532361	22	7002509162	63, 81	8302586145	107
5242434100	45	5991604914	153	7002509163	64	8401401913	149
5242436100	45	<b>6</b>		7002509164	63, 81	8411604918	152
5242437100	45	6001901924	158	7002630305	82	8611451914	165
5242444100	45	6001901926	158	7002911941	57	8702586375	108
5242446100	45	6001902924	158	7003507061	56	8771604919	152
5242447100	45	6001902926	158	7003600221	55	8802753478	115
5401401913	21	6152631131	16	7003600321	55	8812607914	30
5402921873	20	6171604916	152	7003600411	55	<b>9</b>	
5411401913	21	6201604914	151	7003600421	55	9301614916	30
5411604912	151	6231604914	151	7003600511	55	9311614916	30
5421401913	21	6301604913	153	7003600521	55	9321614916	30
5431604912	151	6303604000	156	7003600821	60	9331614916	30
5431604914	153	6311604913	153	7003600911	60	9502626251	16
5441604912	151	6321604913	153	7003600921	60	9502626301	16
5441604914	153	6401604912	153	7004401132	68	9502626311	16
5495560051	117	6501604912	153	7004608151	59	9502626501	16
5495560054	117	6511604919	152	7008509363	64	9502626651	17
5495560080	117	6601604912	153	7008600361	60	9502664151	16
5495560082	117	6621604916	153	7008600432	55	9602075000	156
5501604913	153	6631604916	153	7008600832	60	9706026904	19
5501604914	153	6641604916	153	7012611351	52, 75	9711104925	191
5511604913	153	6651604916	153	7018600521	55	9802026560	100
5511604914	153	6661604916	153	7023600451	56	9802026561	100
5521604913	153	6700001100	40	7182600491	58	9802026562	100
5521604914	153	6700002100	40	7182600591	58	9802026563	100
5541204100	47	6700003100	40	7182600891	62	9802026581	100
5541206100	47	6701604912	151	7182600991	62	9802026582	100
5541207100	48	6721604916	153	7202611151	52, 75	9802026583	100
5541220100	48	6751604916	153	7261451914	165	9802921873	20
5542204100	47	6761604916	153	7281451914	165	9802921875	20
5542206100	47	6771604916	153	7601306095	188	9803630101	84
5542207100	48	6781604916	153	7702586195	107	9803630151	84
5542220100	48	6801604916	153	7702921875	20	9803630171	84
5542576175	107	6811604916	153	7801401912	68	9803630301	84
5542576195	107	6821604916	153	7802509913	67	9803630351	84
5642576145	107	6831604916	153	7802600491	58	9803630371	84
5642576175	107	6841604916	153	7802600591	58	9808036527	136



9808036528	136	9901150594	184	9902543142	106	9902586163	106
9808036529	136	9901151333	184	9902543162	106	9902586342	106
9808036550	136	9901151334	184	9902543362	106	9902586343	106
9808036551	136	9901151393	184	9902543542	106	9902587163	105
9808036554	136	9901151394	184	9902543543	106	9902587192	105
9808036557	136	9901152133	184	9902543562	106	9902587193	105
9808036560	136	9901152134	184	9902543563	106	9902587342	105
9818036309	136	9901152333	184	9902544142	105	9902587343	105
9818036310	136	9901152334	184	9902544162	105	9902587362	105
9818036311	136	9901158523	184	9902544163	105	9902587363	105
9818036312	136	9901158524	184	9902544341	105	9906011146	76
9818036313	136	9901604914	151	9902544361	105	9906011147	76
9818036316	136	9902511162	105	9902544461	105	9906011148	76
9818036318	136	9902511362	105	9902553162	106	9906011149	76
9818036320	136	9902515001	112	9902554142	105	9906011150	76
9818036322	136	9902515002	112	9902554162	105	9906011151	76
9818036325	136	9902515003	112	9902554441	105	9906011153	76
9818036327	136	9902515004	112	9902554461	105	9906011154	76
9818036328	136	9902515025	112	9902565142	106	9906011155	76
9818036330	136	9902515026	112	9902565162	106	9906011446	77
9818036332	136	9902515027	112	9902565163	106	9906011447	77
9818036335	136	9902515028	112	9902565362	106	9906011448	77
9818036338	136	9902515040	112	9902565542	106	9906011449	77
9818036341	136	9902515041	112	9902565562	106	9906011450	77
9818036345	136	9902515042	112	9902566143	105	9906011451	77
9818036348	136	9902515043	112	9902566162	105	9906011453	77
9818036351	136	9902515050	112	9902566163	105	9906011454	77
9818036354	136	9902515051	112	9902566192	105	9906011455	77
9818036357	136	9902515052	112	9902566193	105	9906013008	103
9818036360	136	9902515053	112	9902566341	105	9906013009	103
9818036364	136	9902515056	112	9902566342	105	9906013021	103
9818036543	136	9902515057	112	9902566361	105	9906013057	103
9818036546	136	9902515058	112	9902566362	105	9906015001	110
9818036548	136	9902515062	112	9902566363	105	9906015002	110
9818036550	136	9902515063	112	9902566441	105	9906015003	111
9828036309	136	9902515064	112	9902566461	105	9906015004	111
9828036310	136	9902515065	112	9902575142	106	9906015025	110
9828036311	136	9902515069	112	9902575162	106	9906015026	110
9828036312	136	9902515079	112	9902575163	106	9906015027	111
9828036313	136	9902515080	112	9902575342	106	9906015028	111
9828036316	136	9902515081	112	9902576142	105	9906015035	110
9828036318	136	9902515082	112	9902576143	105	9906015036	110
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9828036322	136	9902522162	105	9902576163	105	9906015038	111
9828036327	136	9902522163	105	9902576193	105	9906015040	110
9828036328	136	9902522363	105	9902576342	105	9906015041	110
9828036330	136	9902532142	105	9902576343	105	9906015042	111
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9841604913	151	9902532342	105	9902586142	106	9906015051	110
9901150593	184	9902532362	105	9902586162	106	9906015052	111

9906015053	111	9906030332	83	9907035128	125	9907036303	137
9906015056	110	9906030334	83	9907035137	124	9907036304	137
9906015057	110	9906030335	83	9907035138	125	9907036305	137
9906015058	111	9906030338	83	9907035181	125	9907036308	137
9906015059	111	9906030340	83	9907035197	125	9907036310	137
9906015062	110	9906030341	83	9907035205	125	9907036311	137
9906015063	110	9906030488	87	9907035213	125	9907036312	137
9906015064	111	9906030489	87	9907035221	125	9907036314	137
9906015065	111	9906030490	87	9907036000	128	9907036315	137
9906015069	110	9906030492	87	9907036012	127	9907036316	137
9906015070	111	9906030493	87	9907036017	127	9907036317	137
9906015071	111	9906030494	87	9907036022	127	9907036320	137
9906015079	110	9906030497	87	9907036023	127	9907036478	137
9906015080	110	9906030498	87	9907036027	127	9907036484	137
9906015081	111	9906030500	87	9907036032	127	9907036486	137
9906015082	111	9906030501	87	9907036033	127	9907036489	137
9906021059	103	9906030502	87	9907036037	127	9907075126	128
9906021183	103	9906033125	25	9907036042	127	9907075127	128
9906021184	103	9906033126	25	9907036043	127	9907075128	71
9906022081	103	9907035000	126	9907036047	127	9907075129	71
9906022082	103	9907035021	124	9907036052	127	9907075130	71
9906022085	103	9907035023	124	9907036053	127	9907075131	125
9906026011	19	9907035031	124	9907036057	127	9907075132	125
9906026051	19	9907035032	124	9907036062	127	9908462291	182
9906026116	19	9907035041	124	9907036063	127	9908462391	182
9906026117	19	9907035042	124	9907036067	127	9908462591	182
9906026247	19	9907035051	124	9907036072	127	9908608132	24
9906026500	19	9907035052	124	9907036073	127	9908608152	24
9906026501	19	9907035061	124	9907036082	127	9946015056	110
9906030302	83	9907035062	124	9907036093	127	9946015057	110
9906030304	83	9907035081	124	9907036139	127	9946015058	111
9906030305	83	9907035082	124	9907036147	127	9946015059	111
9906030308	83	9907035086	124	9907036151	127	9962515056	112
9906030310	83	9907035087	124	9907036155	127	9962515057	112
9906030311	83	9907035088	125	9907036156	127	9962515058	112
9906030312	83	9907035092	124	9907036163	127	9962515059	112
9906030314	83	9907035096	124	9907036164	127	9962515062	112
9906030316	83	9907035097	124	9907036172	127	9962515063	112
9906030317	83	9907035098	125	9907036179	127	9962515064	112
9906030318	83	9907035107	124	9907036187	127	9962515065	112
9906030326	83	9907035117	124	9907036188	127	9966015063	110
9906030328	83	9907035118	125	9907036204	127	9966015064	111
9906030329	83	9907035127	124	9907036302	137	9966015065	111



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