



PRODUCT CATALOG
2022/23

We Sell Solutions

The Global Leader in Surface Treatment Solutions and Finishing Tools

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General

The tools shown in this catalogue, and the information on delivery scopes, appearances, performances and dimensions, correspond to information available at the time of print. We are enhancing our products continually. We reserve the right to make changes to products and prices.

In the event prices are printed in the catalogue, all previous price lists are rendered void on publication of this catalogue. All prices are recommended retail prices in Euro per piece. VAT, packaging, transport/postal charges and insurance are extra. Our general terms and conditions apply for all orders.

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Grinding

Brushing & cleaning

Polishing & satinising

Industrial

Strip brushes

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.

Tools for surface finishing

Our expertise lies in the production of tools for mechanical surface finishing. Wherever the task at hand is roughing, cutting, deburring, rust removal, paint stripping, dust removal, brushing, cleaning or polishing, customers in the industry, wholesale or trade are using our tools. The majority are used in the metalworking industry, but wooden, stone and synthetic surfaces can also be treated.

Our core products are technical brushes, polishing tools, liquid and solid polishing compounds, and cutting, grinding and sanding discs. In addition to the classic cleaning of surfaces, technical brushes in particular can be used for sealing and insulation, and so make an important contribution towards energy savings in production processes and at manufacturing facilities.

We supply to customers in over 120 countries, have production facilities and sales organisations in 13 countries, and employ a workforce of around 1,250 worldwide. Three of our plants are in Germany, including the European head office in Burgwald.

In addition to the production of technical brushes and large roller brushes for the steel industry, the focus lies mainly in developing innovative products and opening up new markets. In Burgwald is one of the two high-tech company labs, where the quality and reliability of our own products are monitored by an industrial robot cell.

Our industrial customers also benefit from a comprehensive service for the treatment/finishing of sample parts. Our application engineers, together with our customers, determine the best possible tool for the respective finishing process, thereby increasing quality and lowering process costs, so they always arrive at the finish line quickly and in line with our motto "Finish. First."



Experienced

We have more than 135 years experience in the production and development of tools for mechanical surface finishing. We supply our products to industry, specialist retailers and skilled craftsmen. With in excess of 100,000 custom-made tools and over 10,000 standard products, we can in fact always offer you a suitable tool for your application. And if we cannot, our application engineers will develop the right solution together with you.



Innovative

We have in-house Research and Development departments at all three production facilities in Germany. We are continually working on new products and are enhancing existing products in regard to quality and performance. Our global Purchasing department has a continual eye on the world markets and sources only the best raw materials for our tools.



Customer-centric

Excellent service is the core of successful collaboration. We are glad to fit in around your requirements. If you work in retail and need advice on packaging, or have ideas on presentation at the POS or would like products with your own design or company logo, we are your point of contact.

Modern production



Optimal processes, high quality

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. And 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.



Test robot in Burgwald/Germany

Always one step ahead – research and development

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 production processes. A higher quality raw material, different wire knotting, a more abrasive grit, more wire 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 the machining/finishing of sample parts. We will be glad to help out if you are on the lookout for the perfect tool for your special finishing/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

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.



nexmart



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.



Safety first

SAFE PRODUCTS, SAFE USAGE



Many of our products are rotating tools that are used at high circumferential speeds, some on manually operated machines. The tools are subjected to extreme mechanical, and in part also thermal, loads. It is therefore important that they are continually tested in accordance with the latest safety standards.

Test results are arrived at computer-aided and logged in detail - be it lateral load testing, fall hammer testing, centrifugal force testing or determination of service life.

Quality management

We are certified to DIN ISO 9001:2015. The certificates are available on our homepage for downloading. www.osborn.de/en/certificates

We work in accordance with the following directives in manufacturing our products:

- EN 1083-1 European (safety) standard for power brushes, Part 1
- EN 1083-2 European (safety) standard for power brushes, Part 2
- EN 12413 European safety standard for cutting and grinding discs
- EN 13743 European safety standard for bonded abrasives
- EN 13236 European safety standard for diamond tools
- EN DIN ISO 13942, 603-16, 6103, 15635 - Dimensions, tolerances and imbalance
- Our products also satisfy American National Safety Institute (ANSI) requirements.



Sustainability and energy

In our company policy mission statement, we commit to continually improving and extending our commitment to environmental and health protection, and to the deployment of energy, beyond the requirements laid down by law.

To place this goal at the heart of all our efforts, we have introduced the ISO 50001:2011 energy management system and integrated it into the existing ISO 9001:2015 quality management system. As part of the continuous improvement process, the system introduced is being continually monitored, enhanced and optimised internally.

As part of the enhancement of the integrated management system, we are planning in the near future certification to ISO 14001:2015 (international environment management standard) and the new ISO 45001:2018 (occupational health and safety management system).

TÜV-SÜD quality seal



Over 700 products in our retail range for brushes are certified by TÜV-SÜD (safety tested, production monitored). The products as well as our production facilities are checked by independent expert organisation TÜV SÜD Product Service on the basis of technical safety requirements.

More information on this certification is available from the following website: www.tuev-sued.de/ps-zert



Memberships

It is of fundamental interest to us that grinding and brushing tools are safe and are used as intended. As a manufacturer of quality tools, we are therefore a member of the international oSa e.V. (Organisation for the safety of Abrasives). We champion adherence to quality and safety standards, and recognise EN standards 12413, 13236 and 13743 as binding.

Technical information & safety information for brushes



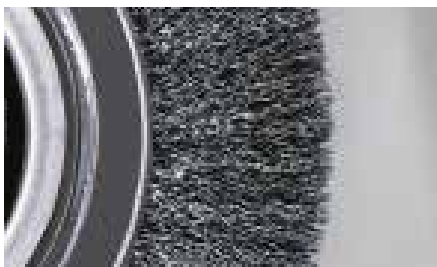
Working and safety speeds

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.



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 covering discs (see picture, left). Speak to us for more information about the clamping width.



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.

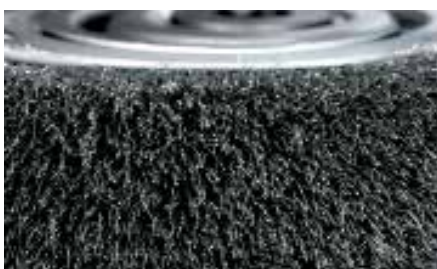
More aggressive brushes,
e.g. for deburring or
removing dirt.



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 trim tips. 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.



Trim density of brushes

The trim density is determined by the number of wire tips per surface unit. High trim densities optimise cutting performance and useful lives (for deburring work for example). Lower trim 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 above under working speeds, the performance of a brush can also be changed with this factor.

The following table provides an overview:

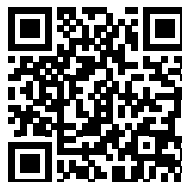
Remember the following before fitting a brush:

- 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.

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								

General safety information:

Wear protective clothing to eliminate injury risks. Other safety information and application examples are available from the Internet:



Trim materials, types and usage for brushes

For our tools, we only use trim materials developed in-house or selected specially. Regular quality tests in our R&D labs guarantee highest material qualities at all times. You can see in the following table which materials we use for the tools in this catalogue, their properties and benefits, and the materials on which they are deployed.

MATERIAL	PROPERTY	ADDITIONAL PROPERTIES	BENEFITS	USED ON
Steel wire	Straight or flat	Most common trim material for brushes	<ul style="list-style-type: none"> Sturdy Diversity of applications 	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"> Usage in particular where residues of steel wires would adversely affect the surface (such as rust spots) 	Stainless steel, non-ferrous metals, aluminium
	Crimped			
	Knotted			
Osborn special steel wire	Straight		<ul style="list-style-type: none"> High-performance wire with high tensile strength Long service life For extreme brush applications 	Steel, cast iron, softwood, hardwood
	Crimped			
	Knotted			
Longlife (steel wire)	Stranded		<ul style="list-style-type: none"> Extremely long life Combines the benefits of crimped and knotted wire 	Steel, cast iron, softwood, hardwood
Brass-coated steel wire	Mono wire	Stranded	<ul style="list-style-type: none"> High tensile strength 	Steel, cast iron, softwood, hardwood
	Cordwire		<ul style="list-style-type: none"> Particularly well suited to texturing wood 	
Brass wire	Crimped			Non-ferrous metals, softwood
Synthetic bristles	Straight		<ul style="list-style-type: none"> Abrasion-resistant Resistant to weak acids and bases Flexible 	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
Abrasive bristle	Aluminium oxide	Nylon threads with aluminium oxide; red trim material	<ul style="list-style-type: none"> High elasticity without risk of breakage Uniform abrasive effect 	Steel, cast iron, stainless steel, non-ferrous metals, aluminium, wood
	Silicone carbide	Nylon threads with silicone carbide; blue trim material.	<ul style="list-style-type: none"> High elasticity without risk of breakage Uniform abrasive effect 	
	Ceramic, sintered twice	Aluminium oxide sintered twice; available in different hardness grades, light grey trim material	<ul style="list-style-type: none"> Particularly hard and aggressive abrasive grit The abrasive grit released during brushing has a better breaking edge and makes possible faster, more efficient deburring Perfect results through uniform, homogeneous abrasive effect 	Steel, cast iron, stainless steel, non-ferrous metals, aluminium

MATERIAL	PROPERTY	ADDITIONAL PROPERTIES	BENEFITS	USED ON
Novofil®	Circular	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"> • High flexibility and trim density, prolonged life • For working with workpieces particular high in contours 	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
	Flat		<ul style="list-style-type: none"> • Very high abrasive grit content, higher removal rate (approx. 50% lower processing time) • Ideal for honing 	
Novoflex-B®	Spherical	Trim material with aluminium oxide or silicone carbide; grit sizes from 60 to 400 possible	<ul style="list-style-type: none"> • Abrasive balls on flexible design • Tool is self-centring 	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
Fibre		Pure plant fibre	<ul style="list-style-type: none"> • For wet and dry application • Heat-resistant • Also suitable for polishing in conjunction with polishing compound 	All materials
Horse hair		Pure horse hair	<ul style="list-style-type: none"> • Excellent sealing properties 	

Materials, trim materials, and how they are shown in the catalogue

Material to treat / colour used in the catalogue								
Trim material		Steel	Cast iron	Stainless steel	Non-ferrous metals	Aluminium	Soft-wood	Hard-wood
	Smooth/crimped steel wire	■	■				■	■
	Knotted steel wire	■	■					
	Brass-coated steel wire	■	■				■	■
	Stainless steel wire			■	■	■		
	Longlife steel wire	■	■				■	■
	Brass wire				■		■	
	Synthetic bristles	■	■	■	■	■		
	Abrasive bristle	■	■	■	■	■	■	■
	Novofil	■	■	■	■	■		
	Novoflex-B	■	■	■	■	■		
	Fibre	■	■	■	■	■	■	■
	Horse hair	is used for sealing						

General information

Many of our products have additional user benefits



TÜV SÜD

Certified safety

More information on page 11



Battery friendly – Ideal for use in battery-operated devices and angle grinders with speed control



BOSCH X-LOCK– To change cutting discs without tools

Our product lines

All of our products are manufactured with the greatest of care so as to meet your standards and satisfy your requirements to the highest possible degree.

To simplify navigation for you, we have split most of our tools into three quality lines in accordance with the Good-Better-Best principle. From the solid labourer variant to the high-end product for exacting standards.

Perfect ★★☆☆☆

The tool portfolio for quality-conscious skilled workers and for semi-professional users.

Superior ★★★★★

Premium tools for professional users. Effective, durable and cost-effective. Impressive in daily use.

Evolution + Xtreme ★★★★★

High-end tools with outstanding performance. For intensive, professional use that makes the highest quality demands of the tool. Evolution products guarantee maximum grinding and cleaning performance, and excellent service life.

Presentation of products in the catalogue

Please note that we always group products as product families in the catalogue. This means these products have similar features. They are then grouped in a table.

The photo shown in each case is an example photo. The product variant can vary from the photo (e.g. in terms of the fittings colour, diameter, thread/borehole or wire type). The technical information in the table for the respective part number is authoritative.



Flap discs

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Flap discs with zirconium corundum	24
Flap discs with ceramic abrasive grain	34
Flap discs with ceramic grain or silicon carbide	36

FLAP DISCS

General information

Important info at a glance

OUR NEW PRODUCT LABELS

We have updated our range of flap discs and expanded it to include new, high-performance products. All Dronco product labels have received a new design. They now feature a fresh, clean design with user-friendly information, internationally recognised pictograms and more explicit labelling of the quality line. Instead of the Dronco logo, they now carry the Osborn trademark whilst retaining the renowned performance.

Our flap discs are manufactured on modern production lines in keeping with the latest safety standards according to EN 13 743 and oSa requirements.

DESCRIPTION

-  Read the safety instructions
-  Wear eye protection
-  Wear hearing protection
-  Wear a respirator
-  Wear gloves
-  Not permitted for wet grinding

Safety information

Product safety

Our products meet the highest safety requirements and standards:
EN 13743 - Abrasive flap discs
oSa - Organization for the Safety of Abrasives

Field of application



Dimensions

Outer diameter, diameter of the hole,
Metric and imperial data

max. speed

max. circumferential speed

EAN code

Grit size

Quality line

Type of abrasive grain

Type designation

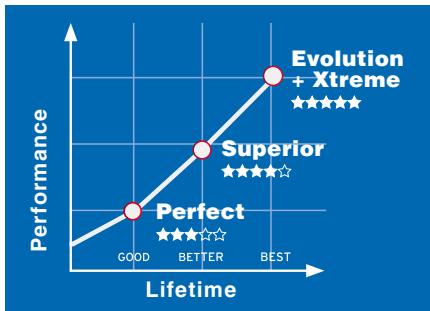
Shape of flap disc

Flat

Tapered



QUALITY LINES FOR EVERY REQUIREMENT



Three quality lines that follow the good-better-best principle

From solid craftsman's quality up to top-class, high-performance tools for intensive industrial use. We offer you just the right tool for every requirement.

All of our products conform to the relevant standards, achieve a high specific cutting performance and guarantee maximum safety.

★★★★★ Evolution and Xtreme

High-power tools with outstanding performance. For intensive professional use that subjects the tool to the highest quality requirements. Evolution products guarantee maximum removal rates and an outstanding service life. You'll recognise the Evolution Line and Xtreme Line by its label with five stars.



★★★★☆ Superior

Premium tools for professional users. Effective, durable and cost-effective. Impresses during daily use thanks to its high removal rates and long service life. You'll recognise the Superior Line by its label with four stars.



★★★☆☆ Perfect

The cutting disc range for craftspeople who focus on quality and semi-pro users. Good service life and a good cutting rate at an attractive price.



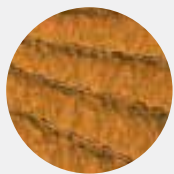
FLAP DISCS

General information

OPTIMISED ABRASIVE CLOTH

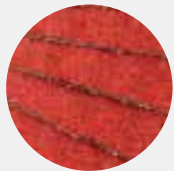
Our flap discs are produced using abrasive cloths that have been specially developed for this purpose. In addition to traditional normal corundum cloth, three types of zirconium abrasive cloth and two types of ceramic grain abrasive cloth with various performance levels are used.

Ceramic grain abrasive cloth



CERA MAXX

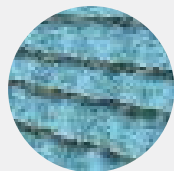
High-tech abrasive cloth with self-sharpening ceramic abrasive grain in an innovative bond system. Significantly higher aggressiveness with noticeably less wear guarantee a maximum removal rate, particularly for edge grinding, and an excellent service life. An additional top coat results in cooler grinding and reduces discolourations on tool surfaces. Robust polyester cloth for demanding grinding tasks on stainless steel and steel with a high level of surface quality.



CERA PLUS

High-quality abrasive cloth with permanently self-sharpening ceramic abrasive grain. Guarantees an outstanding removal rate and a long service life. Cool grinding on surfaces and edges. Reduces discolourations on the tool surface. Robust polyester cloth for demanding grinding tasks on stainless steel and steel with a high level of surface quality.

Zirconium abrasive cloth



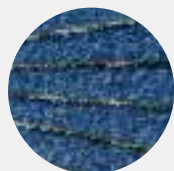
ZIRCON MAXX

High-tech zirconium cloth with an innovative bond system. This abrasive band offers an outstanding removal rate and a significantly longer lifetime in comparison to conventional zirconium products. An additional top coat enables cool grinding and reduces discolourations on the tool surface. Robust polyester cloth for demanding grinding tasks on stainless steel and steel. Particularly suitable for edge grinding.



**ZIRCON PLUS
ZIRCON FLX
ZIRCON SPEED**

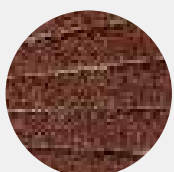
Top-quality zirconium abrasive cloth Robust cotton-polyester backing for the very best results on surfaces and edges. For stainless steel and steel. This abrasive cloth stands out thanks to its very good service life and well-balanced grinding properties.



**ZIRCON JUMBO
ZIRCON POWER
ZIRCON TRIM**

Zirconium abrasive cloth on a cotton-polyester backing with a good removal rate. Equally suitable for use on edges and surfaces. For stainless steel and steel. This abrasive band distinguishes itself thanks to its good grinding performance and a good service life.

Aluminium oxide abrasive cloth



**ALOX POWER
ALOX GRIND+
ALOX FINISH**

Abrasive cloth with aluminium oxide abrasive grain – proven a million times over. The tough, hard abrasive grain enables a good removal rate, particularly for surface grinding and deburring. Good service life. For processing steel and wood. This abrasive band distinguishes itself thanks to an even grinding finish.

**SIC POWER****Silicon carbide abrasive cloth**

Polyester abrasive cloth with silicon carbide abrasive grain.
The problem solver for processing aluminum and stone. The very hard abrasive grain ensures a good stock removal and convinces by a good tool life.

APPLICATION TABLE

FLAP DISCS

	Page	Unalloyed and alloyed construction steel	Very solid construction steel	Tool steel	High alloy special steel	Steel sheet	Stainless steel sheet	Welding seams	Cast iron	Non-ferrous metals	Aluminum	Wood	Plastic	Stone
<ul style="list-style-type: none"> ●●● extremely suitable ●● very suitable ● suitable 														
Flap discs normal corundum														
Perfect ALOX POWER	22	●●	●●	●●	●	●●		●	●	●		●	●	
Evolution ALOX GRIND + FINISH	23	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
Flap discs zirconium corundum														
Perfect ZIRCON POWER	24	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Perfect ZIRCON TRIM	26	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Perfect ZIRCON JUMBO	27	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Superior ZIRCON PLUS	34	●●	●●	●●	●●	●●●	●●●	●●	●●●	●		●	●	
Superior ZIRCON PRIME G-AZ	29	●●	●●	●●	●●	●●●	●●●	●●	●●●	●		●	●	
Evolution ZIRCON SPEED	30	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
Evolution ZIRCON FLX	31	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
Evolution ZIRCON MAXX	88	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
Flap discs ceramic grain														
Superior CERA PLUS	34	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
Evolution CERA MAXX	35	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
Flap discs silicon carbide														
Perfect SIC POWER	36								●	●●	●●		●	●●

FLAP DISCS

Flap discs with normal corundum



ALOX POWER

Perfect ★★★★★

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

Field of application: For processing steel, wood and plastic.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-004 100	565300
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-006 100	565317
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-007 100	565324
115 x 22,23	4 1/2 x 7/8	13300	120	10		5231-009 100	565331
125 x 22,23	5 x 7/8	12250	40	10		5232-004 100	565508
125 x 22,23	5 x 7/8	12250	60	10		5232-006 100	565515
125 x 22,23	5 x 7/8	12250	80	10		5232-007 100	565522
125 x 22,23	5 x 7/8	12250	120	10		5232-009 100	565539
180 x 22,23	7 x 7/8	8500	40	10		5238-004 100	565706
180 x 22,23	7 x 7/8	8500	60	10		5238-006 100	565713
180 x 22,23	7 x 7/8	8500	80	10		5238-007 100	565720
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-204 100	565409
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-206 100	565416
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-207 100	565423
115 x 22,23	4 1/2 x 7/8	13300	120	10		5231-209 100	565430
125 x 22,23	5 x 7/8	12250	40	10		5232-204 100	565607
125 x 22,23	5 x 7/8	12250	60	10		5232-206 100	565614
125 x 22,23	5 x 7/8	12250	80	10		5232-207 100	565621
125 x 22,23	5 x 7/8	12250	120	10		5232-209 100	565638
180 x 22,23	7 x 7/8	8500	40	10		5238-204 100	565805
180 x 22,23	7 x 7/8	8500	60	10		5238-206 100	565812
180 x 22,23	7 x 7/8	8500	80	10		5238-207 100	565829



ALOX GRIND+FINISH







Evolution ★★★★★

Innovative flap disc with a combination of flaps made of aluminium oxide abrasive cloth and polishing fleece.

This lets you complete two work steps in one process and saves time. Material removal and simultaneous surface finishing with a very good result. Optimal and cost-effective at the same time. Available in three combinations: Grit 60 + polishing fleece coarse, grit 80 + polishing fleece medium, grit 120 + polishing fleece fine.

- Combined abrasives
- Welding seam processing and coarse surface finishing in a single process
- Removal of inclusions (nicks, scratches) and simultaneous surface finishing
- Removal of burrs after plasma and laser cutting
- Preserves the shape of the workpiece during removal (tubes, railings)
- Rapid work progress
- Substantial time savings
- Visible matte polishing finish

Field of application: For processing stainless steel, steel, aluminium and non-ferrous metals.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	60 + coarse	10		5251-704 100	565119
115 x 22,23	4 1/2 x 7/8	13300	80 + medium	10		5251-706 100	565126
115 x 22,23	4 1/2 x 7/8	13300	120 + fine	10		5251-707 100	565133
125 x 22,23	5 x 7/8	12250	60 + coarse	10		5252-704 100	565218
125 x 22,23	5 x 7/8	12250	80 + medium	10		5252-706 100	565225
125 x 22,23	5 x 7/8	12250	120 + fine	10		5252-707 100	565232

Three different combinations



60 + coarse



80 + medium



120 + fine



Removal of welding seams and attractive finish in a single process

FLAP DISCS

Flap discs with zirconium corundum



ZIRCON POWER

Perfect ★★★★★

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.

Field of application: For processing stainless steel and steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-184 100	560404
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-186 100	560411
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-187 100	560428
125 x 22,23	5 x 7/8	12250	40	10		5232-184 100	560602
125 x 22,23	5 x 7/8	12250	60	10		5232-186 100	560619
125 x 22,23	5 x 7/8	12250	80	10		5232-187 100	560626
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-384 100	560503
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-386 100	560510
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-387 100	560527
115 x 22,23	4 1/2 x 7/8	13300	120	10		5231-389 100	560534
125 x 22,23	5 x 7/8	12250	40	10		5232-384 100	560701
125 x 22,23	5 x 7/8	12250	60	10		5232-386 100	560718
125 x 22,23	5 x 7/8	12250	80	10		5232-387 100	560725
125 x 22,23	5 x 7/8	12250	120	10		5232-389 100	560732
180 x 22,23	7 x 7/8	8500	40	10		5238-384 100	560800
180 x 22,23	7 x 7/8	8500	60	10		5238-386 100	560817
180 x 22,23	7 x 7/8	8500	80	10		5238-387 100	560824

















ZIRCON POWER X-LOCK

Perfect ★★★★★

All-round flap disc with X-LOCK adapter. 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.

Field of application: For processing stainless steel and steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5931-184 100	560459
115 x 22,23	4 1/2 x 7/8	13300	60	10		5931-186 100	560466
115 x 22,23	4 1/2 x 7/8	13300	80	10		5931-187 100	560473
125 x 22,23	5 x 7/8	12250	40	10		5932-184 100	560657
125 x 22,23	5 x 7/8	12250	60	10		5932-186 100	560664
125 x 22,23	5 x 7/8	12250	80	10		5932-187 100	560671
115 x 22,23	4 1/2 x 7/8	13300	40	10		5931-384 100	560558
115 x 22,23	4 1/2 x 7/8	13300	60	10		5931-386 100	560565
115 x 22,23	4 1/2 x 7/8	13300	80	10		5931-387 100	560572
115 x 22,23	4 1/2 x 7/8	13300	120	10		5931-389 100	560589
125 x 22,23	5 x 7/8	12250	40	10		5932-384 100	560756
125 x 22,23	5 x 7/8	12250	60	10		5932-386 100	560763
125 x 22,23	5 x 7/8	12250	80	10		5932-387 100	560770
125 x 22,23	5 x 7/8	12250	120	10		5932-389 100	560787



FLAP DISCS

Flap discs with zirconium corundum









ZIRCON TRIM

Perfect ★★★★★

Flap disc with a glass fibre reinforced, trimmable plastic backing. Newly developed zirconium abrasive band with very good removal rate and service life. Does not leave any scratches or abrasions on the workpiece.

- Trimmable plastic backing does not leave any scratches or abrasion on the workpiece
- Very robust, glass fibre reinforced plastic backing
- Very good removal rate
- Very good service life

Field of application: For surface and edge grinding of stainless steel and steel.









Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5131-184 100	560909
115 x 22,23	4 1/2 x 7/8	13300	60	10		5131-186 100	560916
115 x 22,23	4 1/2 x 7/8	13300	80	10		5131-187 100	560923
125 x 22,23	5 x 7/8	12250	40	10		5132-184 100	561505
125 x 22,23	5 x 7/8	12250	60	10		5132-186 100	561012
125 x 22,23	5 x 7/8	12250	80	10		5132-187 100	561029



ZIRCON TRIM X-LOCK

Perfect ★★★★★

Flap disc with a glass fibre reinforced, trimmable plastic backing and X-LOCK adapter.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5831-184 100	560954
115 x 22,23	4 1/2 x 7/8	13300	60	10		5831-186 100	560961
115 x 22,23	4 1/2 x 7/8	13300	80	10		5831-187 100	560978
115 x 22,23	4 1/2 x 7/8	13300	120	10		5831-189 100	560985
125 x 22,23	5 x 7/8	12250	40	10		5832-184 100	561050
125 x 22,23	5 x 7/8	12250	60	10		5832-186 100	561067
125 x 22,23	5 x 7/8	12250	80	10		5832-187 100	561074
125 x 22,23	5 x 7/8	12250	120	10		5832-189 100	561081















ZIRCON JUMBO

Perfect ★★★★★

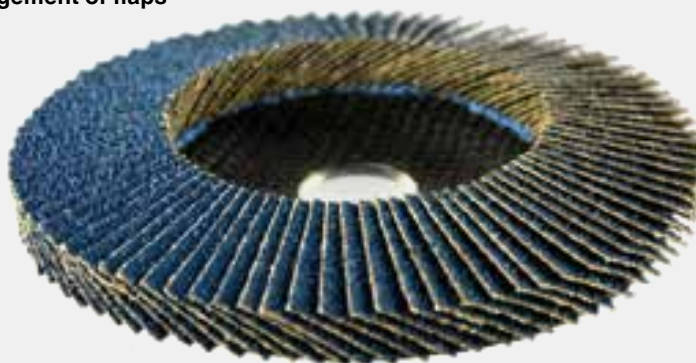
All-round flap disc with especially high number of flaps in a steep arrangement ensures higher grinding performance and comfortable handling. Equipped with zirconium corundum band on a cottonpolyester cloth. Very good removal rate with excellent service life.

- Very long service life thanks to significantly higher number of flaps
- Extra-long, closely overlapping flaps
- Ideal for flat and surface grinding on steel and stainless steel
- High removal rate and effortless work without clogging
- Low-vibration work thanks to high volume of layers
- Very good surface quality on workpiece

Field of application: For processing stainless steel, steel and non-ferrous metals.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-164 100	560008
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-166 100	560015
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-167 100	560022
125 x 22,23	5 x 7/8	12250	40	10		5232-164 100	560206
125 x 22,23	5 x 7/8	12250	60	10		5232-166 100	560213
125 x 22,23	5 x 7/8	12250	80	10		5232-167 100	560220
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-364 100	560107
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-366 100	560114
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-367 100	560121
125 x 22,23	5 x 7/8	12250	40	10		5232-364 100	560305
125 x 22,23	5 x 7/8	12250	60	10		5232-366 100	560312
125 x 22,23	5 x 7/8	12250	80	10		5232-367 100	560329

Higher number of flaps – steeper arrangement of flaps



FLAP DISCS

Flap discs with zirconium corundum



ZIRCON PLUS

Superior ★★★★★☆

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

Field of application: For processing stainless steel, steel, cast iron, among others.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5241-104 100	561104
115 x 22,23	4 1/2 x 7/8	13300	60	10		5241-106 100	561111
115 x 22,23	4 1/2 x 7/8	13300	80	10		5241-107 100	561128
125 x 22,23	5 x 7/8	12250	40	10		5242-104 100	561302
125 x 22,23	5 x 7/8	12250	60	10		5242-106 100	561319
125 x 22,23	5 x 7/8	12250	80	10		5242-107 100	561326
180 x 22,23	7 x 7/8	8500	40	10		5248-104 100	561500
180 x 22,23	7 x 7/8	8500	60	10		5248-106 100	561517
115 x 22,23	4 1/2 x 7/8	13300	40	10		5241-304 100	561203
115 x 22,23	4 1/2 x 7/8	13300	60	10		5241-306 100	561210
115 x 22,23	4 1/2 x 7/8	13300	80	10		5241-307 100	561227
115 x 22,23	4 1/2 x 7/8	13300	120	10		5241-309 100	561234
125 x 22,23	5 x 7/8	12250	40	10		5242-304 100	561401
125 x 22,23	5 x 7/8	12250	60	10		5242-306 100	561418
125 x 22,23	5 x 7/8	12250	80	10		5242-307 100	561425
125 x 22,23	5 x 7/8	12250	120	10		5242-309 100	561432
180 x 22,23	7 x 7/8	8500	40	10		5248-304 100	561609
180 x 22,23	7 x 7/8	8500	60	10		5248-306 100	561616



ZIRCON PRIME G-AZ

Superior ★★★★★☆

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.

Field of application: For processing stainless steel, steel, cast iron, among others.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5211-104 100	511505
115 x 22,23	4 1/2 x 7/8	13300	60	10		5211-106 100	511512
115 x 22,23	4 1/2 x 7/8	13300	80	10		5211-107 100	511529
115 x 22,23	4 1/2 x 7/8	13300	120	10		5211-109 100	511543
125 x 22,23	5 x 7/8	12250	40	10		5212-104 100	521504
125 x 22,23	5 x 7/8	12250	60	10		5212-106 100	521511
125 x 22,23	5 x 7/8	12250	80	10		5212-107 100	521528
125 x 22,23	5 x 7/8	12250	120	10		5212-109 100	521542
180 x 22,23	7 x 7/8	8500	40	10		5218-104 100	541502
180 x 22,23	7 x 7/8	8500	60	10		5218-106 100	541519
115 x 22,23	4 1/2 x 7/8	13300	40	10		5211-304 100	511109
115 x 22,23	4 1/2 x 7/8	13300	60	10		5211-306 100	511116
115 x 22,23	4 1/2 x 7/8	13300	80	10		5211-307 100	511123
115 x 22,23	4 1/2 x 7/8	13300	120	10		5211-309 100	511147
125 x 22,23	5 x 7/8	12250	40	10		5212-304 100	521207
125 x 22,23	5 x 7/8	12250	60	10		5212-306 100	521214
125 x 22,23	5 x 7/8	12250	80	10		5212-307 100	521221
125 x 22,23	5 x 7/8	12250	120	10		5212-309 100	521269
180 x 22,23	7 x 7/8	8500	40	10		5218-304 100	541014
180 x 22,23	7 x 7/8	8500	60	10		5218-306 100	541021

FLAP DISCS

Flap discs with zirconium corundum



ZIRCON SPEED







Evolution ★★★★★

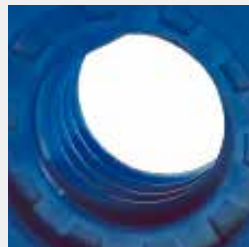
Premium flap disc with backing plate made of glass fibre reinforced plastic with M14 thread.

The zirconium abrasive cloth optimised for performance and a high number of flaps enable a high removal rate and an especially long service life. The special plastic backing allows cool grinding and quick tool changes.

- Quick to install thanks to the integrated M14 adapter – this saves set-up time
- Active cooling of the workpiece thanks to cooling slots in the backing plate
- Aggressive disc with high removal rate on edges and surfaces
- Significantly increased service life in comparison to previous Jet flap disc

Field of application: Top performance on stainless steel and steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x M14	4 1/2 x M14	13300	40	10		5151-154 100	563504
115 x M14	4 1/2 x M14	13300	60	10		5151-156 100	563511
115 x M14	4 1/2 x M14	13300	80	10		5151-157 100	563528
125 x M14	5 x M14	12250	40	10		5152-154 100	563603
125 x M14	5 x M14	12250	60	10		5152-156 100	563610
125 x M14	5 x M14	12250	80	10		5152-157 100	563627



Saves set-up time thanks to the integrated M14 adapter









ZIRCON FLX

Evolution ★★★★★

FLX stands for maximum flexibility in terms of application. Offset arrangement of protruding flaps made of zirconium cloth simplify the processing of difficult-to-reach areas.

- Outstanding removal rate with excellent service life
- Flexible application – ideal for difficult-to-reach spots, such as fillet welds
- Broad spectrum of applications (surface processing, preparing welding seams, cleaning and processing surfaces and contours (tubes, railings, etc.), removing rust and paint)

Field of application: Top performance on stainless steel and steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5251-604 100	564907
115 x 22,23	4 1/2 x 7/8	13300	60	10		5251-606 100	564914
115 x 22,23	4 1/2 x 7/8	13300	80	10		5251-607 100	564921
125 x 22,23	5 x 7/8	12250	40	10		5252-604 100	565003
125 x 22,23	5 x 7/8	12250	60	10		5252-606 100	565010
125 x 22,23	5 x 7/8	12250	80	10		5252-607 100	565027

FLAP DISCS

Flap discs with zirconium corundum



ZIRCON MAXX

Evolution ★★★★★

Premium product with new high-tech zirconium abrasive cloth and additives that actively support grinding. Additional top coat for particularly cool grinding. The innovative abrasive band enables an extremely high removal rate for edge grinding and guarantees a long service life.

- Superior removal rate on edges and hard steel
- Good removal for surface grinding
- Substantial time savings
- Clear plus in terms of service life
- Highly resilient thanks to robust abrasive cloth
- Extra-cool grinding thanks to additional top coat
- Reduces thermal discolouration on the workpiece

Field of application: For processing high alloy, martensitic steel, titanium, malleable cast iron, wrought iron, nickelcobalt alloys, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions. Outstanding results for grinding edges of steel or stainless steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5251-104 100	563702
115 x 22,23	4 1/2 x 7/8	13300	60	10		5251-106 100	563719
115 x 22,23	4 1/2 x 7/8	13300	80	10		5251-107 100	563726
125 x 22,23	5 x 7/8	12250	40	10		5252-104 100	563900
125 x 22,23	5 x 7/8	12250	60	10		5252-106 100	563917
125 x 22,23	5 x 7/8	12250	80	10		5252-107 100	563924
115 x 22,23	4 1/2 x 7/8	13300	40	10		5251-304 100	563801
115 x 22,23	4 1/2 x 7/8	13300	60	10		5251-306 100	563818
115 x 22,23	4 1/2 x 7/8	13300	80	10		5251-307 100	563825
125 x 22,23	5 x 7/8	12250	40	10		5252-304 100	564402
125 x 22,23	5 x 7/8	12250	60	10		5252-306 100	564419
125 x 22,23	5 x 7/8	12250	80	10		5252-307 100	564426



ZIRCON MAXX X-LOCK

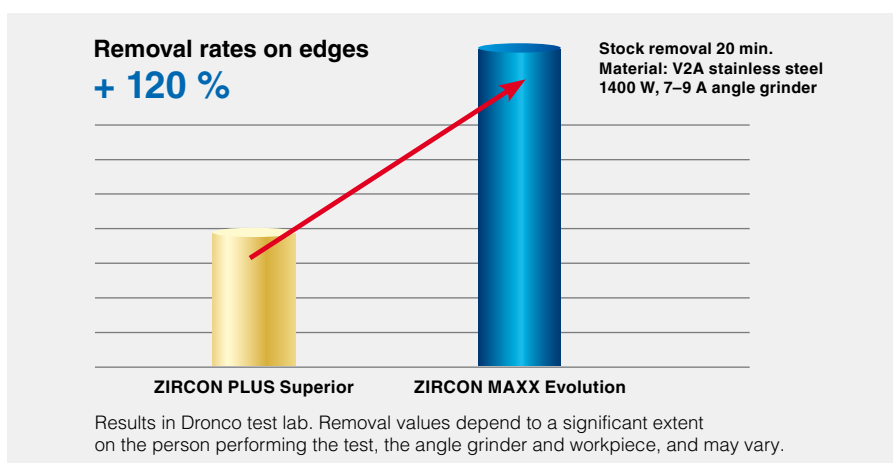
Evolution ★★★★★

High-End Flap disc with a glass fibre reinforced, trimmable plastic backing and X-LOCK adapter.

- Superior removal rate on edges and hard steel
- Good removal for surface grinding
- Substantial time savings
- Clear plus in terms of service life
- Highly resilient thanks to robust abrasive cloth
- Extra-cool grinding thanks to additional top coat
- Reduces thermal discolouration on the workpiece

Field of application: For processing high alloy, martensitic steel, titanium, malleable cast iron, wrought iron, nickelcobalt alloys, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions. Outstanding results for grinding edges of steel or stainless steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5851-304 100	563757
115 x 22,23	4 1/2 x 7/8	13300	60	10		5851-306 100	563764
115 x 22,23	4 1/2 x 7/8	13300	80	10		5851-307 100	563771
125 x 22,23	5 x 7/8	12250	40	10		5852-304 100	563955
125 x 22,23	5 x 7/8	12250	60	10		5852-306 100	563962
125 x 22,23	5 x 7/8	12250	80	10		5852-307 100	563979



FLAP DISCS

Flap discs with ceramic abrasive grain



CERA PLUS

Superior ★★★★★☆

Flap disc with self-sharpening ceramic grain, which permanently enables an extremely high removal rate and guarantees a long service life.

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.

XLOCK This item is also available with the X-LOCK adapter

- 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

Field of application: For processing high alloy steel, titanium alloys, nickel-base alloys, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions. Outstanding results for surface and edge grinding of steel or stainless steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5241-434 100	561708
115 x 22,23	4 1/2 x 7/8	13300	60	10		5241-436 100	561715
115 x 22,23	4 1/2 x 7/8	13300	80	10		5241-437 100	561722
125 x 22,23	5 x 7/8	12250	40	10		5242-434 100	561906
125 x 22,23	5 x 7/8	12250	60	10		5242-436 100	561913
125 x 22,23	5 x 7/8	12250	80	10		5242-437 100	561920
115 x 22,23	4 1/2 x 7/8	13300	40	10		5241-444 100	561807
115 x 22,23	4 1/2 x 7/8	13300	60	10		5241-446 100	561814
115 x 22,23	4 1/2 x 7/8	13300	80	10		5241-447 100	561821
125 x 22,23	5 x 7/8	12250	40	10		5242-444 100	562002
125 x 22,23	5 x 7/8	12250	60	10		5242-446 100	562019
125 x 22,23	5 x 7/8	12250	80	10		5242-447 100	562026
Bosch quick-mount X-LOCK							
115 x 22,23	4 1/2 x 7/8	13300	40	10		5941-444 100	561753
115 x 22,23	4 1/2 x 7/8	13300	60	10		5941-446 100	561760
115 x 22,23	4 1/2 x 7/8	13300	80	10		5941-447 100	561777
125 x 22,23	5 x 7/8	12250	40	10		5942-444 100	562057
125 x 22,23	5 x 7/8	12250	60	10		5942-446 100	562064
125 x 22,23	5 x 7/8	12250	80	10		5942-447 100	562071



XLOCK This item is also available with the X-LOCK adapter. Please look on the following page

CERA MAXX

Evolution ★★★★★

Premium product with self-sharpening ceramic grain and additives that actively support grinding. Additional top coat for particularly cool grinding and improved level of surface quality. This innovative abrasive band impresses thanks to a permanently available aggressive removal rate and incredibly long lifetime. The ultimate for demanding grinding work on high alloy or heat-sensitive steel.

- Extremely aggressive removal rate
- Comfortable handling thanks to low contact pressure
- Particularly cool grinding due to additional top coat
- Reduces thermal discolouration on the workpiece
- Ensures a high level of surface quality
- Top results on edges: up to 40 % higher removal rate for edge grinding
- Substantial time savings
- A clear plus in terms of service life – significantly more removal with one disc
- Highly resilient

Field of application: For processing high alloy, martensitic steel, heat-sensitive steel, wrought iron, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions. Outstanding results for surface and edge grinding of steel or stainless steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5251-434 100	564501
115 x 22,23	4 1/2 x 7/8	13300	60	10		5251-436 100	564518
115 x 22,23	4 1/2 x 7/8	13300	80	10		5251-437 100	564525
125 x 22,23	5 x 7/8	12250	40	10		5252-434 100	564709
125 x 22,23	5 x 7/8	12250	60	10		5252-436 100	564716
125 x 22,23	5 x 7/8	12250	80	10		5252-437 100	564723
115 x 22,23	4 1/2 x 7/8	13300	40	10		5251-444 100	564600
115 x 22,23	4 1/2 x 7/8	13300	60	10		5251-446 100	564617
115 x 22,23	4 1/2 x 7/8	13300	80	10		5251-447 100	564624
125 x 22,23	5 x 7/8	12250	40	10		5252-444 100	564808
125 x 22,23	5 x 7/8	12250	60	10		5252-446 100	564815
125 x 22,23	5 x 7/8	12250	80	10		5252-447 100	564822

Removal rate on surfaces + 30 %

Stock removal 20 min.
Material: V2A stainless steel
1400 W, 7–9 A angle grinder

Removal rate on edges + 40 %



Results in Dronco test lab. Removal values depend to a significant extent on the person performing the test, the angle grinder and workpiece, and may vary.

FLAP DISCS

Flap discs with ceramic grain or silicon carbide



CERA MAXX X-LOCK

Evolution ★★★★★

High-End Flap disc with a glass fibre reinforced, trimmable plastic backing and X-LOCK adapter.

- Extremely aggressive removal rate
- Comfortable handling thanks to low contact pressure
- Particularly cool grinding due to additional top coat
- Reduces thermal discolouration on the workpiece
- Ensures a high level of surface quality
- Top results on edges: up to 40 % higher removal rate for edge grinding
- Substantial time savings
- A clear plus in terms of service life – significantly more removal with one disc
- Highly resilient

Field of application: For processing high alloy, martensitic steel, heat-sensitive steel, wrought iron, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions. Outstanding results for surface and edge grinding of steel or stainless steel.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5851-444 100	564556
115 x 22,23	4 1/2 x 7/8	13300	60	10		5851-446 100	564563
115 x 22,23	4 1/2 x 7/8	13300	80	10		5851-447 100	564570
125 x 22,23	5 x 7/8	12250	40	10		5852-444 100	564754
125 x 22,23	5 x 7/8	12250	60	10		5852-446 100	564761
125 x 22,23	5 x 7/8	12250	80	10		5852-447 100	564778



SIC POWER

Perfect ★★★★★☆☆

Powerful flap disc with silicon carbide cloth

- Problem solver for grinding aluminum and stone.
- Good stock removal and good tool life.

Anwendung: For working on concrete, stone, tile, ceramic, aluminum, cast iron, plastic. Also well suited for claw care.

Ø in mm	Ø in Inch	RPM min ⁻¹	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		5231-404 100	560343
115 x 22,23	4 1/2 x 7/8	13300	60	10		5231-406 100	560350
115 x 22,23	4 1/2 x 7/8	13300	80	10		5231-407 100	560367
115 x 22,23	4 1/2 x 7/8	13300	120	10		5231-409 100	560374

The background of the page is a dark blue image featuring a Christmas wreath made of pine branches. In the upper right corner, a circular wheel brush, a common tool for angle grinders, is partially visible, blending into the blue background.

Cleaning tools for angle grinders

General information	38
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Accessories	65
Brushes for cordless tools	66

CLEANING TOOLS FOR ANGLE GRINDERS

General information

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 (in mm)	Ø 115 mm	Ø 125mm	Ø 150 mm	Ø 180 mm	Ø 230 mm
	Angle grinder size (in inches)	4 ½"	5"	6"	7"	9"
	Max. working speed	12,500 min ⁻¹	11,000 min ⁻¹	8,500 min ⁻¹	8,500 min ⁻¹	6,500 min ⁻¹

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 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*	115/115*							
Cup brush	Knotted		115*	125	150		180		230						
	Crimped	115		125	150		150/180			230			230		
	Abrasive		115*				150*								

*variable speed grinder or cordless

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.

Dronco and 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		TIG/MIG/MAG/PLASMA	
			
Slag Residue formed when the electrodes wear.	Spatters Abrasive discs remove these residues.	Silicates They form when silicone, present in most steel alloys, is burnt during the welding process and turn to silicone dioxide.	Blue discolouration Oxide deposits, formed mainly when welding stainless steel.



Treatment of weld seams When do I use what?

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

<https://www.osborn.com/en/service/catalogues>

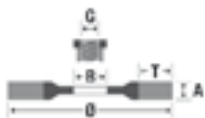


CLEANING TOOLS FOR ANGLE GRINDERS

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, knotted wire

Superior ★★★★★

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

- Aggressive and speedy cleaning
- Long service life
- TÜV-Süd certified (safety tested, production monitored)

Applications: Weld cleaning and simple rust removal work

Available in practical box packaging with Euro-standard hole.



								■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ Steel / 0.80 ■
Ø	A	T	B	G	Adapt.	RPM max.	PU	Order no.	Order no.	Order no.
75	12	15	13			20000	12	0002-611 131	0002-611 151	
100	12	20	22,2		F	12500	8	0002-621 131	0002-621 151	
115	12	23	22,2		F	12500	10	0002-631 131	0002-631 151	
115	12	23		M14x2,0		12500	6	0402-631 131	0402-631 151	
115	6	19	22,2			12500	10	9502-626 301	9502-626 501	
125	13	28	22,2		F	12500	8	6152-631 131	2202-631 151	
125	13	28		M14x2,0		12500	8	1402-631 131	1402-631 151	
125	6	24	22,2			12500	8	9502-626 311	9502-626 251	
150	13	37	22,2		F	12000	5	0002-641 131	0002-641 151	0002-641 181
178	13	42	22,2		F	10000	6	0002-653 131	0002-653 151	0002-653 181
178	6	38	22,2			12000	12	4602-626 131		
230	6	57	22,2			6500	1		4306-026 904	
230	13	58	22,2		F	8500	1		9502-664 151	
								■ INOX / 0.35 ■	■ INOX / 0.50 ■	
Ø	A	T	B	G	Adapt.	RPM max.	PU	Order no.	Order no.	
100	12	20	22,2		F	12500	4		0002-621 351	
115	12	23	22,2		F	12500	4	0002-631 331	0002-631 351	
115	12	23		M14x2,0		12500	4		0402-631 351	
125	6	24	22,2			12000	3		9502-626 651	
125	13	28	22,2		F	12500	3	2202-631 331	2202-631 351	
125	13	28		M14x2,0		12500	3		1402-631 351	
150	13	37	22,2		F	12000	3		0002-641 351	
178	13	42	22,2		F	12000	3		0002-653 351	
178	13	42	22,2		F	10000	12	4612-626 331		

XLOCK

						■ Steel / 0,35 ■	■ Steel / 0,50 ■	
Ø	A	T	Adapt.	RPM max.	PU	Order no.	Order no.	
125	13	28	X-LOCK	12500	8	6154-631 131		
125	13	28	X-LOCK	12500	8		2204-631 151	
125	6	24	X-LOCK	12500	8		9504-626 251	

XLOCK

						■ INOX / 0,35 ■	■ INOX / 0,50 ■	
Ø	A	T	Adapt.	RPM max.	PU	Order no.	Order no.	
125	13	28	X-LOCK	12500	8	2204-631 331		
125	13	28	X-LOCK	12500	8		2204-631 351	



Appearance can vary from picture depending on variant.

**Wheel brushes, knotted wire**

Perfect ★ ★ ★ ☆ ☆

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

- Aggressive and speedy cleaning
- Good removal rate

Applications: Weld cleaning and simple rust removal work

Available in practical PET packaging with Euro-standard hole.



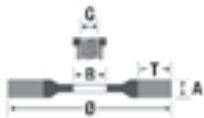
								■ Steel / 0.50 ■	
Ø	A	T	B	G	Adapt.	RPM max.	PU	Order no.	
115	10	20	22.2			12500	10	2008-631 151	
125	12	27	22.2			12500	8	2118-631 151	

CLEANING TOOLS FOR ANGLE GRINDERS

Wheel brushes



Appearance can vary from picture depending on variant.



115-180

Wheel brushes, knotted wire

Superior ★★★★★

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

Alternating left/right knotting ensures

- low-vibration and quiet operation
- prolonged life and high removal rate
- “untwisting” of the knots during use is minimised
- reduced kick-back effect of the angle grinder
- TÜV-Süd certified (safety tested, production monitored)

Applications: Cleaning of weld seams (slag, silicates, blue discolouring), removal of stubborn rust deposits

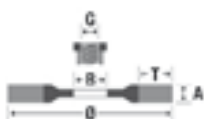
■ Steel / 0.35 ■

■ Steel / 0.50 ■

Ø	A	T	B	Max. RPM	PU	Order no.	Order no.
115	12	23	22.2	12500	10	1202-631 131	1202-631 151
125	13	28	22.2	12500	8	1212-631 131	1212-631 151



Appearance can vary from picture depending on variant.



Wheel brushes, knotted Osborn wire

Evolution ★★★★★

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
- Knotted wire ensures the brush is worn uniformly

Applications: Cleaning of weld seams (slag, silicates, blue discolouring), removal of stubborn rust deposits

Ø	A	T	B	G	Adapt.	Max. RPM	PU	■ Osborn steel / 0.50 ■	■ INOX / 0.50 ■	
								Order no.	Order no.	
100	13	22	5/8"		F	18000	12	9906-026 117		
115	6	19	7/8"		F	12500	12	2906-026 501	0002-626 650	
125	6	24	7/8"		F	12500	12	0002-626 251	0002-626 651	
150	6	38	7/8"		F	12000	12	9906-026 501		
150	6	38		M14x2.0		12000	10	9906-026 500		
165	6	29	7/8"		F	10000	12	0002-626 061		
171	6	29	7/8"		F	12000	12	9706-026 904		
178	6	38	22.2		F	12000	12	9906-026 051		



Treatment of weld seams When do I use what?

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

<https://www.osborn.com/en/service/catalogues>

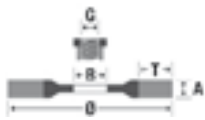


CLEANING TOOLS FOR ANGLE GRINDERS

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, knotted Osborn wire, plastic-bonded

Evolution ★★★★★

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

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

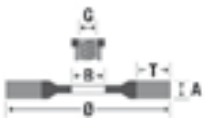
■ Osborn steel / 0.50 ■

Ø	A	T	B	Max. RPM	PU	Order no.		
115	6	19	22.2	12000	10	5402-921 873		
125	6	24	22.2	12000	1	9802-921 873		
178	6	38	22.2	8500	1	9802-921 875		

*Pointed. For other parts, straight.



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire, plastic-bonded

Evolution ★★★★★

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

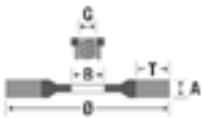
Applications: Removal of silicate and weld residues, recommended for root seams welded using TIG/MIG/MAG

■ Brass-coated steel / 0.38 ■

Ø	A	T	B	G	Max. RPM	PU	Order no.		
125	6	32.5		M14x2.0	12000	1	4102-921 051		
150	5	29	22.2		8500	12	0002-921 874		
178	5	41	22.2		8500	12	0002-921 875		
178	3	41	22.2		8000	1	7702-921 875		



Appearance can vary from picture depending on variant.



115

Wheel brushes, crimped wire

Superior ★★★★★

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)

Applications: 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 (see the detailed picture).

See the following product for finishing

Available in practical box packaging with Euro-standard hole.



■ Cordwire / 0.27 ■

Ø	A	T	G	Max. RPM	PU	Order no.
115	12	28	M14x2.0	12500	6	2812-522 051



150-180

Wheel brushes, Abrasive Filament

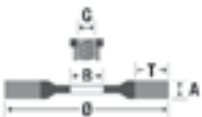
Superior ★★★★★

Wheel brush for woodworking, with Abrasive Filament for angle grinders with adjustable speed

- 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

Applications: Removal of lacquer and pickling, cleaning, texturing, finishing and intermediate lacquer sanding
Recommended working speed 3000-4000 U/min⁻¹

Appearance can vary from picture depending on variant.



■ Novofil / 46 ■

■ Novofil / 60 ■

■ Novofil / 80 ■

Ø	A	T	G	Max. RPM	PU	Order no.	Order no.	Order no.
140	55	30	M14	4500	6	5421-401 913	5411-401 913	5401-401 913

■ Novofil / 120 ■

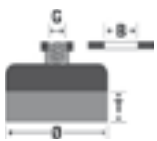
Ø	A	T	G	Max. RPM	PU	Order no.
140	55	30	M14	4500	6	5431-401 913

CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, knotted wire

Superior ★★★★★

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

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

Applications: Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring

Available in practical box packaging with Euro-standard hole.



						■ Steel / 0.35 ■	■ Steel / 0.50 ■	
ø	T	B	G	RPM max.	PU	Order no.	Order no.	
65	20	16		12500	10	1602-608 131	1602-608 151	
65	20		M10x1,25	12500	10	2352-608 131	2352-608 151	
65	20		M10x1,5	12500	10	0102-608 131	0102-608 151	
65	20		M14x2,0	12500	10	0002-608 131	0002-608 151	
65	30		M14x2,0	12500	10	3892-608 131**		
**extra long trim								
						■ INOX / 0.35 ■	■ INOX / 0.50 ■	
ø	T	B	G	RPM max.	PU	Order no.	Order no.	
65	20		M10x1,5	12500	6	0102-608 331	0102-608 351	
65	20		M14x2,0	12500	6	0002-608 331	0002-608 351	

*TÜV certification planned.



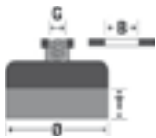
						■ Steel / 0.35 ■	■ Steel / 0.50 ■	
ø	T	Adapt.	RPM max.	PU	Order no.	Order no.		
65	20	X-LOCK	12500	10	0004-608 131	0004-608 151		



						■ INOX / 0.35 ■	■ INOX / 0.50 ■	
ø	T	Adapt.	RPM max.	PU	Order no.	Order no.		
65	20	X-LOCK	12500	10	0004-608 331	0004-608 351		



Appearance can vary from picture depending on variant.



125-230

Cup brushes, knotted wire

Superior ★★★★★

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 filament by the support ring
- TÜV-Süd certified (safety tested, production monitored)

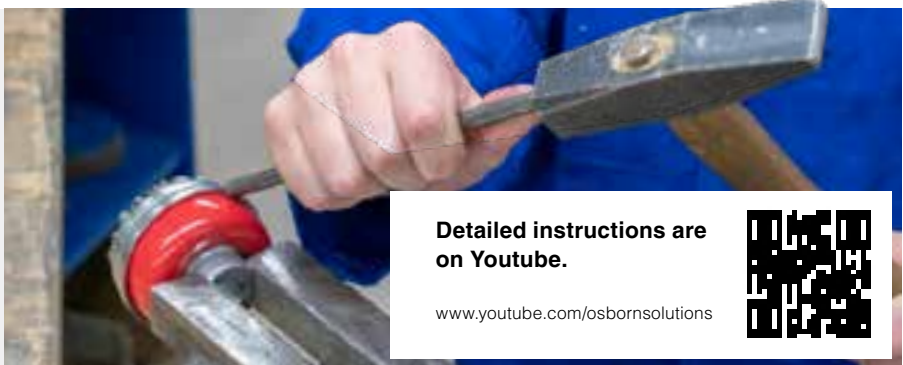
Applications: Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring

Available in practical box packaging with Euro-standard hole.



Did you know?

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



Detailed instructions are on Youtube.

www.youtube.com/osbornsolutions



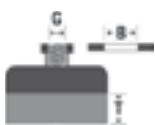
					■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ Steel / 0.80 ■
Ø	T	G	Max. RPM	PU	Order no.	Order no.	Order no.
75	20	M14x2.0	11000	10	9908-608 132	9908-608 152	
80	20	5/8"	8500	6	0802-608 133	0802-608 153	
80	20	M14x2.0	8500	6	0002-608 133	0002-608 153	0002-608 183
100	20	M14x2.0	8500	3	0002-608 134	0002-608 154	0002-608 184
100	20	5/8"	8500	3	0802-608 134	0802-608 154	0802-608 184
120	20	M14x2.0	6500	4	0002-608 135	0002-608 155	0002-608 185
120	20	5/8"	6500	4	0802-608 135	0802-608 155	0802-608 185
					■ INOX / 0.35 ■	■ INOX / 0.50 ■	
Ø	T	G	Max. RPM	PU	Order no.	Order no.	
80	20	M14x2.0	8500	3	0002-608 333	0002-608 353	
100	20	M14x2.0	8500	3	0002-608 334	0002-608 354	

CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, knotted wire

Evolution ★ ★ ★ ★ ★

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

- High-performance wire developed by Osborn
- Particularly cost-effective and long lasting
- 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

Applications: 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

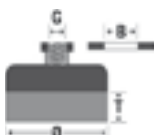
■ Osborn Steel / 0.50 ■

Ø	T	G	RPM max.	PU	Order no.		
90	32	M14x2,0	7500	6	9906-033 125		
90	32	5/8"	7500	6	9906-033 126		
150	45	5/8"	6000	1	9906-033 030*		
150	45	M14x2,0	6000	1	9906-033 031*		

*Two rows



Appearance can vary from picture depending on variant.



Cup brushes, knotted wire

Perfect ★ ★ ★ ☆ ☆

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

Applications: Paint/rust removal, removal of slag

Available in practical PET packaging with Euro-standard hole.



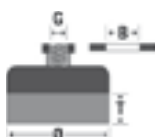
■ Steel / 0.35 ■

■ Steel / 0.50 ■

Ø	T	G	RPM max.	PU	Order no.	Order no.	
65	20	M14x2.0	12500	10	2008-608 131	2008-608 151	
75	27	M14x2.0	11000	10		2008-608 152	
80	22	M14x2.0	8500	10		2008-608 153	
100	22	M14x2.0	8500	5		2008-608 154	



Appearance can vary from picture depending on variant.



Cup brushes, crimped wire

Superior ★ ★ ★ ★ ☆

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

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

Applications: Cleaning, removal of paint, rust, slag, blue discolouration

Available in practical box packaging with Euro-standard hole.



Ø	T	B	G	RPM max.	PU	■ Steel / 0,20 ■	■ Steel / 0,30 ■	■ INOX / 0,30 ■
						Order no.	Order no.	Order no.
60	21		M10x1,5	12500	10		0102-613 161	
60	21		M14x2,0	12500	10	0002-613 141	0002-613 161	0002-613 361
75	23		M10x1,25	12500	10	5652-613 142	5652-613 162	
75	23		M10x1,5	12500	10	0102-613 142	0102-613 162	
75	23		M14x2,0	12500	10	0002-613 142	0002-613 162	0002-613 362
75	23		5,8"	12500	10	0802-613 142	0802-613 162	

Ø	T	B	G	RPM max.	PU	■ Brass wire / 0,30 ■		
						Order no.		
60	21		M10x1,25	12500	10	4912-613 561*		
60	21		M14x2,0	12500	10	4902-613 561*		
75	25		M14x2,0	12500	10	4902-613 562*		

*TÜV certification planned.

XLOCK

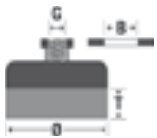
Ø	T	Adapt.	RPM max.	PU	■ Steel / 0,30 ■	■ INOX / 0,30 ■	
					Order no.	Order no.	
60	21	X-LOCK	12500	10	0004-613 161		
60	20	X-LOCK	12500	10		0004-613 361	
75	23	X-LOCK	12500	10	0004-613 161		
75	23	X-LOCK	12500	10		0004-613 362	

CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, crimped wire

Superior ★★★★★

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

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

Applications: Cleaning, removal of paint, rust, slag, blue discolouration

Available in practical box packaging with Euro-standard hole.



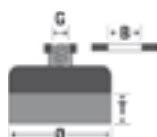
Ø	T	G	RPM max.	PU	■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.50 ■
					Order no.	Order no.	Order no.
80	30	M14x2.0	8500	5	0002-613 143	0002-613 163	
80	25	M14x2.0	8500	5			0002-613 193
100	30	M14x2.0	8500	3	0002-613 144		0002-613 194
100	30	M14x2.0	8500	4		0002-613 164	
100	30	5/8"	8500	3	0802-613 144	0802-613 164	0802-613 194
125	30	M14x2.0	6500	4		0002-613 165	0002-613 195
125	30	5/8"	6500	4		0802-613 165	
150	40	M14x2.0	6500	3		0002-613 166	0002-613 196
150	40	5/8"	6500	3		0802-613 166	

Ø	T	G	RPM max.	PU	■ INOX / 0.30 ■		
					Order no.		
80	25	M14x2.0	8500	4	0002-613 363		
80	25	M14x2.0	8500	5			
80	25	5/8"	8500	4	0802-613 363		
100	25	M14x2.0	8500	3	0002-613 364		
100	30	5/8"	8500	3	0802-613 364		
125	30	M14x2.0	6500	2	0002-613 365		

*TÜV certification planned.



Appearance can vary from picture depending on variant.



Cup brushes, crimped wire

Perfect ★ ★ ★ ☆ ☆

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

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

Applications: Paint stripping and rust removal from surfaces

Available in practical PET packaging with Euro-standard hole.



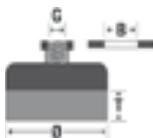
Ø	T	G	RPM max.	PU	■ Steel / 0.30 ■	■ Brass-coated steel / 0.3 ■	
					Order no.	Order no.	
60	18	M14x2.0	12500	10	2008-613 161	2008-613 061	
75	25	M14x2.0	12500	10	2008-613 162	2008-613 062	
80	25	M14x2.0	8500	10	2008-613 163	2008-613 063	
100	25	M14x2.0	8500	5	2008-613 164	2008-613 064	
125	30	M14x2.0	6500	5	2008-613 165	2008-613 065	

CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



Appearance can vary from picture depending on variant.



You can find more information about our new Xtreme products on page 53.



Xtreme cup brushes, stranded crimped wire

Xtreme ★ ★ ★ ★ ★

Cup brush with crimped Xtreme wire with high-end quality for use on angle grinders

- Up to 8 times longer service life than conventional crimped wire cup brushes
- Highest removal rate in the segment
- Little to no wire breakage
- Low vibration, low noise
- Ergonomic, low contact pressure required
- Effective cleaning performance
- Ensures a unique satin finish
- Combines the aggressive cleaning performance of twist-knot brushes and the flexibility of soft crimped wire brushes

Applications: Cleaning, removal of paint, rust, slag, blue discolouration

Available in practical box packaging with Euro-standard hole.



■ Steel / Xtreme / 0.30 ■

Ø	T	G	RPM max.	PU	Order no.		
60	20	M14x2.0	12500	10	3902-613 161		
75	25	M14x2.0	12500	10	3912-613 163		
80	25	M14x2.0	12500	5	3902-613 163		
100	22	M14x2.0	8500	4	3902-613 164		

XTREME LIFETIME. XTREME STOCK REMOVAL.

Service life in min on the left, stock removal in g on the right



An outstanding new wire. Xtreme wire.

The construction of the Xtreme wire is a composite of several individual wires, stranded together similar to a cable. The wire in conjunction with the circumferential speed of the brush achieves a high finishing dynamic when applied to the workpiece. At the same time each individual wire tip from the composite achieves a very good cleaning and deburring effect on the surfaces and edges of the workpiece. Xtreme wire can be found in two variants: Crimped or twist-knot. Brushes with Xtreme wire outperform conventional brushes by far:

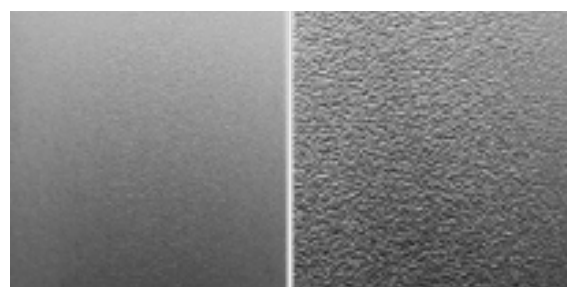
- Lifetime is 5-8 times higher than brushes with conventional wire
- Higher stock removal rate
- Reduced wear
- Fewer change intervals - faster process times
- Low vibration, low noise
- Greatly reduced unbalance, more controlled handling
- Can be used effectively even at low speeds
- Also suitable for use in machining centres
- Geometrically demanding components can be deburred much better. The wire is very flexible and can easily adapt to the contour of the workpiece

Suitable for industrial deburring.

Conventional power brushes are usually only effective on high-speed machines, such as angle grinders and high-speed drills. If they are used on CNC-controlled machines, they often only have a low removal rate and an extremely limited service life. Our new long-life Xtreme brushes are different. Due to their stable wire configuration, they can also be run on CNC-machines or machining centres in a controlled manner.

Aggressive, yet soft.

Our Xtreme wire combines the aggressive cleaning performance of twist-knot wire brushes with the flexibility of soft, crimped wire. The result is unique and will leave a satin finish.



Xtreme Wire

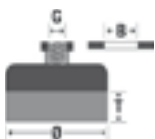
Regular Wire

CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, Abrasive Filament

Superior ★★★★★

Cup brush with Abrasive Filament, industrial quality, for use on angle grinders

- Powerful trim material with silicon carbide
- Pinpoint, controlled application on surfaces
- Very flexible filament material; If individual filaments lie flat during use, continue working with the edge nevertheless because the length of the filament material has end-to-end abrasive grit

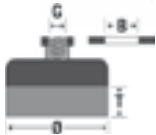
Applications: Paint removal, deburring and cleaning of metal

Ø	T	B	G	RPM max.	PU	■ Novofil / 80 ■	■ Novofil / 120 ■	■ Novofil / 180 ■
						Order no.	Order no.	Order no.
100	25	22.2		8500	3	8812-607 914	2312-607 914	1802-607 914
100	25		M14x2.0	8500	3	6402-608 914	6412-608 914	1802-608 914

Cordless is king

Brushes for cordless, battery-operated tools start on page 66





Appearance can vary from picture depending on variant.



Cup brushes, Abrasive Filament

Superior ★★★★★

Punched disc brush with Abrasive Filament material for woodworking, for use on angle grinders with adjustable speed

- For use on flat 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

Applications: Particularly well suited for removing lacquer and stains, for cleaning, texturing, finishing and intermediate lacquer sanding

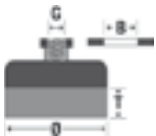
- **Grit 46** For creating a depth texture in the wood
- **Grit 60** For removing minor to medium levels of dirt, and uniform texturing of the wood
- **Grit 80** Preparation before finishing, evens out minor surface irregularities
- **Grit 120** Creation of the final finish on the wood surface

						■ Novofil / 46 ■	■ Novofil / 60 ■	■ Novofil / 80 ■
Ø	A	T	G	RPM max.	PU	Order no.	Order no.	Order no.
130	70	50	M14x2.0	2500	4	9301-614 916	9311-614 916	9321-614 916

						■ Novofil / 120 ■		
Ø	A	T	G	RPM max.	PU	Order no.		
130	70	50	M14x2.0	2500	4	9331-614 916		



Appearance can vary from picture depending on variant.



Cup brushes, Abrasive Filament

Superior ★★★★★

Knotted cup brush with Abrasive Filament material, industrial quality, for use on angle grinders

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

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

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

					■ Novofil / 46 ■	■ Novofil / 60 ■	■ Novofil / 80 ■	■ Novofil / 120 ■
Ø	T	G	RPM max.	PU	Order no.	Order no.	Order no.	Order no.
150	25	M14x2.0	8500	2	7902-613 196	7922-613 196	7932-613 196	7942-613 196

CLEANING TOOLS FOR ANGLE GRINDERS

Bevel brushes



Appearance can vary from picture depending on variant.



115-125

Bevel brushes, knotted wire

Superior ★★★★★

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)

Applications: Deburring, removal of rust, paint, slag, silicates and blue discolouration on complex workpieces

Available in practical box packaging with Euro-standard hole.



							18 knots Steel / 0.35	18 knots Steel / 0.50	
Ø	A	T	B	G	RPM max.	PU	Order no.	Order no.	
100	13	22		M10x1,25	12500	10			2352-622 151
100	13	22		M10x1,5	12500	10	0102-622 131	0102-622 151	
100	13	22		M14x2,0	12500	10	0002-622 131	0002-622 151	
115	15	20		M14x2,0	12500	10	0002-632 131	0002-632 151	
115	15	20		5/8 Zoll	12500	10	0802-632 131	0802-632 151	
125	15	23		M14x2,0	12500	10	3602-632 131	2902-632 151	
							22 knots Steel / 0.35	22 knots Steel / 0.50	
Ø	A	T	B	G	RPM max.	PU	Order no.	Order no.	
100	13	22		M14x2,0	12500	10	0002-623 131	0002-623 151	
							18 knots INOX / 0.35	18 knots INOX / 0.50	
Ø	A	T	B	G	RPM max.	PU	Order no.	Order no.	
100	13	22		M10x1,5	12500	5	0102-622 331	0102-622 351	
100	13	22		M14x2,0	12500	5	0002-622 331	0002-622 351	
115	15	20		M14x2,0	12500	5	0002-632 331	0002-632 351	
125	15	23		M14x2,0	12500	10	3602-632 331	3602-632 351	

*TÜV certification planned.



							18 knots Steel / 0.35	18 knots Steel / 0.50	
Ø	A	T	Adapt.	RPM max.	PU		Order no.	Order no.	
100	13	22	X-LOCK	12500	10		0004-622 131	0004-622 151	



Appearance can vary from picture depending on variant.



Bevel brushes, knotted wire

Perfect ★ ★ ★ ☆ ☆

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

Applications: Rust removal, paint stripping, deburring

Available in practical PET packaging with Euro-standard hole.



■ Steel / 0.50 ■

Ø	A	T	B	G	RPM max.	PU	Order no.
100	13	22		M14x2.0	12500	8	2008-622 151

CLEANING TOOLS FOR ANGLE GRINDERS

Bevel brushes



Appearance can vary from picture depending on variant.



Bevel brushes, crimped wire

Superior ★★★★★

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

- Flexible filament material, adjusts perfectly to the workpiece
- The longer the filament 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)

Applications: Rust removal, paint stripping, deburring, weld seam cleaning

						■ Steel / 0.30 ■	■ Brass-coated steel / 0.30 ■	
Ø	A	T	G	RPM max.	PU	Order no.	Order no.	
100	20	20	M10x1.5	12500	10	0102-512 162		
100	10	20	M10x1.5	12500	10	0102-512 161		
100	20	20	M14x2.0	12500	10	0002-512 162	0002-512 062	
100	10	20	M14x2.0	12500	10	0002-512 161	0002-512 061	
125	10	25	M14x2.0	12500	10	0002-514 161		

						■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	G	RPM max.	PU	Order no.	Order no.	
100	20	20	M10x1.25	12500	5	2352-512 342	2352-512 362	
100	20	20	M10x1.5	12500	5	0102-512 342	0102-512 362	
100	20	20	M14x2.0	12500	5	0002-512 342	0002-512 362	
100	10	20	M14x2.0	12500	5		0002-512 361	
125	10	25	M14x2.0	12500	5		0002-514 361	



						■ Steel / 0,30 ■	■ INOX / 0,30 ■	
Ø	A	T	Adapt.	RPM max.	PU	Order no.	Order no.	
100	10	20	X-LOCK	12500	10	0004-512 161		
100	13	22	X-LOCK	12500	5		0004-512 361	



You can find more information about our new Xtreme products on page 53.

Bevel brushes, Xtreme Wire, crimped

Xtreme ★★★★★

Crimped bevel brush with Xtreme wire with high-end quality for use on angle grinders

- Up to 8 times longer service life than conventional crimped wire brushes
- Flexible filament material, 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
- Ensures a unique satin finish

Applications: Derusting, paint stripping, deburring, removal of silicates

■ Steel / Xtreme / 0.30 ■						
Ø	A	T	G	RPM	PU	Order no.
100	10	20	M14x2,0	12500	10	3902-512 161

All dimensions in mm



Bevel brushes, crimped wire

Perfect ★★★★★

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

Applications: Paint/rust removal, weld seam cleaning

Appearance can vary from picture depending on variant.



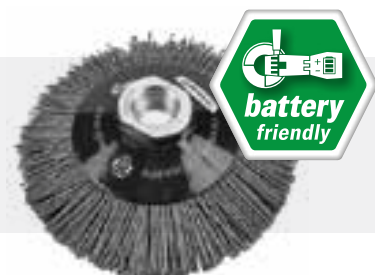
Available in practical PET packaging with Euro-standard hole.



■ Brass-coated steel / 0.30 ■							■ Steel / 0.30 ■	
Ø	A	T	B	G	RPM max.	PU	Order no.	Order no.
100	10	20		M14x2.0	12500	10	2008-512 061	2008-512 161

Cordless is king

Brushes for cordless, battery-operated tools start on page 66.



Efficient solutions for surface processing



DRONCO 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.



Sanding fine welding seams and removing thermal discolouration



Quick, professional derusting and descaling



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



Polimaxx 1 – coarse

Superior ★★★★★

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.

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



Polimaxx 2 – medium

Superior ★★★★★

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.

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



Polimaxx 3 – fine

Superior ★★★★★

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.

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

Polimaxx 4 – For the gloss polishing flapped disc for the angle grinder, refer to page 144



Also available as a kit in a practical assortment box for ideal presentation at the POS. See page 64



Ø in mm	Ø in inches	RPM	Texture	PU	Form	Order no.	EAN 4081600
115 x 22.23	4 1/2 x 7/8	13280	1 coarse	10		5541-204 100	562101
115 x 22.23	4 1/2 x 7/8	13280	2 medium	10		5541-206 100	562118
115 x 22.23	4 1/2 x 7/8	13280	3 fine	10		5541-207 100	562125
125 x 22.23	5 x 7/8	12200	1 coarse	10		5542-204 100	562200
125 x 22.23	5 x 7/8	12200	2 medium	10		5542-206 100	562217
125 x 22.23	5 x 7/8	12200	3 fine	10		5542-207 100	562231

CLEANING TOOLS FOR ANGLE GRINDERS

Polishing wheels



Polyspeed

Superior ★★☆☆☆

Polishing wheel with upright lamellas made of highly effective polishing fleece on reinforced plastic backing, 14 mm polishing layer thickness.

- The flexible fleece adapts to the workpiece perfectly
- Flexible application in corners, angles, U-shaped profiles, rounded edges or on flat surfaces
- Quick and easy derusting, cleaning and bright polishing of metals
- Cleaning, smoothing and polishing of welding seams in corners, edges and fillet welds
- Removing thermal discolouration, oxide layers or thin layers of varnish on metals

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

Polyspeed – the all-rounder for corners and edges

The multifunctional Polyspeed polishing wheel can be used for processing corners, angles, rounded edges and flat surfaces.

It unites the outstanding strengths of the Polimaxx fleece flap disc and also offers effective cleaning for even difficult-to-reach spots as well as fine finish polishing.



Ø in mm	Ø in inches	RPM	Texture	PU	Form	Order no.	EAN 4081600
15 x 22.23	4 1/2 x 7/8	13280	medium	10		5541-306 100	563306
115 x 22.23	4 1/2 x 7/8	13280	fine	10		5541-307 100	563313
125 x 22.23	5 x 7/8	12200	medium	10		5542-306 100	563405
125 x 22.23	5 x 7/8	12200	fine	10		5542-307 100	563412



Coarse cleaning fleece for angle grinders

superior ★★★★★

Coarse cleaning fleece on glass fibre backing.
Suitable for cleaning and polishing all surfaces.

- Removes old paint, rust and weld spots without scratching the surface of the workpiece
- Cleaning and smoothing wood and plastic
- Polishing of stainless steel
- Removal of thermal bluing

Applications: 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.

Cleaning fleeces attain the best results in sanding and cleaning metals, stainless steel, wood and plastic, and can be used as a preliminary stage before polishing. They are made of intertwined nylon fibres which are immersed in synthetic resin and gently hardened. They are available with a glass fibre backing or for the use with straight or cylindrical grinders.

Ø in mm	Ø in inches	RPM	PU	Form	Order no.	EAN 4081600
115 x 22.23	4 1/2 x 7/8	11000	10		6700-001 100	670059
125 x 22.23	5 x 7/8	10000	10		6700-002 100	670103
180 x 22.23	7 x 7/8	8500	10		6700-003 100	670158

CLEANING TOOLS FOR ANGLE GRINDERS

Kits




Coarse cleaning fleece kit in display box

The coarse cleaning fleece in an attractive, self-explanatory display box
For specialist retailers to place either on the shelf or on the counter.

Mixed content:

- 18 pcs, diameter 115 mm
- 18 pcs, diameter 125 mm

Name	Ø in mm	Ø in inches	PU	Form	Order no.	EAN 4081600
Promotional box	115 / 125 mm	4 1/2 / 5	1		6700-012 100	683349






Polimaxx kit in display box

Innovative polishing flap discs in an attractive, self-explanatory display box
For specialist retailers to place either on the shelf or on the counter.

- Contains 54 pcs (6 x 9 POLIMAXX 1 - 3), diameter 115 mm or 125 mm.

Or as a mixed box with:

- 3 x 9 pcs, diameter 115 mm (POLIMAXX 1 - 3) and
- 3 x 9 pcs, diameter 125 mm (POLIMAXX 1 - 3)

Ø in mm	Ø in inches	RPM	Texture	PU	Form	Order no.	EAN 4081600
115 x 22.23	4 1/2 x 7/8	13280	Mixed	1		6900-056 100	700848
125 x 22.23	5 x 7/8	12200	Mixed	1		6900-057 100	700855
115 + 125 x 22.23	4 1/2 + 5 x 7/8	13280/12200	Mixed	1		6900-055 100	700008



F-adapter

For reducing bores.

Inside Ø	Outside Ø	PU	Order no.		
3/8"	5/8"	1	0003-000 222		
1/2"	5/8"	1	0003-000 223		
3/8"	7/8"	1	0003-000 242		
7/8"	1 1/2"	1	0003-000 243		
7/8"	5/8"	1	0003-000 244		



M10 adapter, thread adapter

Thread reduction from M14 to M10 x 1.5, galvanised

Inside Ø	Outside Ø	PU	Order no.		
M10 x 1.5	M14	1	5725-314 010		

CLEANING TOOLS FOR ANGLE GRINDERS

Brushes for cordless tools



Cordless is king

More power, longer battery life and all cordless. This sums up the new generation of battery-operated tools that make working simple where there are still no sockets. Battery life and actual performance have experienced a quantum leap over the last year. This makes them interesting to more and more users. The devices working without electricity have since become indispensable. Battery life and actual performance, for sanitary/plumbing and for caretakers, but also for fire fighters, road service and other mobile assistance services.

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, grinding or cutting discs 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 %.

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

We make it easy for you!

OSBORN has developed accessories 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.

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.



Cup brushes, crimped wire

Superior ★★★★★☆

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

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

Applications: Cleaning, satin finishing, smoothing and texturing of different materials

Available in practical PET packaging with Euro-standard hole.

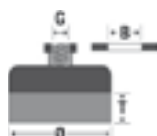


■ Brass / 0.30 ■

Ø	T	G	Max. RPM	PU	Order no.
60	21	M14x2.0	12500	5	6912-613 561



Appearance can vary from picture depending on variant.



Cup brushes, Abrasive Filament

Superior ★★★★★☆

Cup brush with Abrasive Filament material, industrial quality, for use on cordless angle grinders and variable-speed angle grinders

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

Applications: Cleaning, satin finishing, smoothing and texturing of different materials

Available in practical PET packaging with Euro-standard hole.



■ Abr. bristle / grit 46 ■

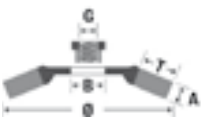
Ø	T	G	Max. RPM	PU	Order no.
60	21	M14x2.0	12500	5	6912-613 891

CLEANING TOOLS FOR ANGLE GRINDERS

Brushes for cordless tools



Appearance can vary from picture depending on variant.



Bevel brushes, Abrasive Filament

Superior ★★★★★

Bevel brush with Abrasive Filament material, industrial quality, for use on cordless angle grinders and variable-speed angle grinders

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

Applications: Weld seam finishing for TIG/MIG/MAG, paint removal, cleaning, satinising, texturing, deburring

Available in practical PET packaging with Euro-standard hole.



■ Abr. bristle / grit 46 ■

Ø	A	T	G	Max. RPM	PU	Order no.
100	10	20	M14x2.0	12500	5	6912-622 891



Machine brushes for power drills

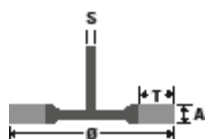
Wheel brushes	70
Cup brushes	77
End brushes	81
Flap wheel brushes	86
Kits	88
Accessories	90

MACHINE BRUSHES FOR POWER DRILLS

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, knotted wire

Superior ★★★★★

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

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

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

						■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ INOX / 0.50 ■
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
75	12	18	6	20000	12	0202-611 131	0202-611 151	0202-611 351

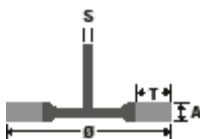
Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



						■ Steel / 0.50 ■	■ INOX / 0.50 ■	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
75	12	18	6	20000	8	7202-611 151	7012-611 351	



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Superior ★★★★★

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

- Thanks to a number of selectable filament materials and brush diameters there is a brush for every application
- Short brush diameters enable access to difficult places
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

Applications: Edge honing, finishing bores, deburring and minor cleaning work

Ø	A	T	S	Max. RPM	PU	■ Steel / 0.20 ■	■ Steel / 0.30 ■	
						Order no.	Order no.	
20	6	4	6	20000	10	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	0002-502 142		
30	12	6	6	20000	10	0002-502 143		
40	11	10	6	18000	10	0002-503 142		
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	0002-504 142	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	
70	11	15	6	15000	10	0002-506 141	0002-506 161	
70	18	15	6	15000	10	0002-506 142	0002-506 162	
80	19	20	6	15000	10	0002-507 142	0002-507 162	

More variants on the following page



MACHINE BRUSHES FOR POWER DRILLS

Wheel brushes

						INOX / 0.15	INOX / 0.20	INOX / 0.30
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
30	6	6	6	20000	10		0002-502 341	
30	9	6	6	20000	10	0002-502 332	0002-502 342	
30	12	6	6	20000	10	0002-502 333	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	0002-505 361
60	18	15	6	15000	10	0002-505 332	0002-505 342	0002-505 362
70	11	15	6	15000	10		0002-506 341	0002-506 361
70	18	15	6	15000	10	0002-506 332	0002-506 342	0002-506 362
70	23	15	6	15000	10		0002-506 343	0002-506 363
80	10	20	6	15000	10			5162-507 361
80	19	20	6	15000	10		0002-507 342	0002-507 362

						Brass / 0.20		
Ø	A	T	S	Max. RPM	PU	Order no.		
30	9	6	6	20000	10	0002-502 542		
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		
70	18	15	6	15000	10	0002-506 542		
80	19	20	6	15000	10	0002-507 542		

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.

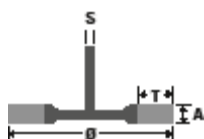


						Steel / 0.30	INOX / 0.20	INOX / 0.30
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
50	17	13	6	15000	6	7002-504 162	3002-504 342	7002-504 362
80	19	20	6	15000	6	7002-507 162	7002-507 342	7002-507 362

						Brass / 0.20		
Ø	A	T	S	Max. RPM	PU	Order no.		
60	18	15	6	15000	6	7002-505 542		



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Perfect ★★☆☆☆

Crimped wheel brush, craftsman quality, for power drills

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

Applications: Cleaning work such as removal of paint, rust and scales

Good to know

This brush is also available as a practical kit. More information is on page 88.



						■ Steel / 0.20 ■	■ Steel / 0.30 ■	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
50	7	10	6	4500	20	0003-600 211	0008-600 221	
63	9	13	6	4500	20	0003-600 311	0008-600 321	
75	10	16	6	4500	10	0008-600 411	0008-600 421	
75	15	16	6	4500	10		0008-600 422	
100	12	22	6	4500	10	0008-600 511	0008-600 521	
100	17	22	6	4500	10		0008-600 522	
						■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
50	7	10	6	4500	20	0088-600 221		
75	10	16	6	4500	10		0008-600 432	
100	10	22	6	4500	10	0008-600 531	0088-600 521	

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



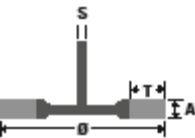
						■ INOX / 0.30 ■	■ Steel / 0.30 ■	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
50	7	10	6	4500	8		7003-600 221	
75	10	16	6	4500	8		7003-600 421	
100	12	22	6	4500	8		7003-600 521	
100	12	22	6	4500	6	7018-600 521		

MACHINE BRUSHESFOR POWER DRILLS

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, stranded, crimped wire

Superior ★★★★★

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)

Applications: 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 (see the detailed picture).



■ Steel Cordwire / 0.25 ■

Ø	A	T	S	Max. RPM	PU	Order no.		
80	35	20	8	4000	10	0908-507 061		

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.

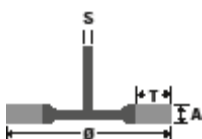


■ Steel Cordwire / 0.25 ■

Ø	A	T	S	Max. RPM	PU	Order no.		
80	35	20	8	4000	8	7003-507 061		



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire, plastic-bonded Evolution ★★★★★

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)

Applications: Removal of paint and lacquer, cleaning of narrow and inaccessible areas

■ Brass-coated steel / 0.30 ■

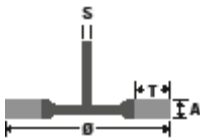
Ø	A	T	S	Max. RPM	PU	Order no.		
63	8	20	6	15000	12	0002-911 941		
76	8	26	6	15000	12	0002-911 951		

MACHINE BRUSHESFOR POWER DRILLS

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, abrasive filament

Perfect ★★☆☆☆

Grittyflex wheel brush with abrasive filament, 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)

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

Good to know

This brush is also available in a practical brush set under order number 1518-600 005. More information is on page 89.



						Abr. bristle / 80 / red	Abr. bristle / 180 / blue
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.
75	10	16	6	4500	10	0802-600 491	0182-600 491
100	10	23	6	4500	10	0802-600 591	0182-600 591

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



						Abr. bristle / 80 / red	Abr. bristle / 180 / blue
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.
75	10	16	6	4500	8	7802-600 491	7182-600 491
100	10	23	6	4500	8	7802-600 591	7182-600 591



Appearance can vary from picture depending on variant.



Cup brushes, knotted wire

Superior ★★★★★☆

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)

Applications: Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring

■ Steel / 0.50 ■

Ø	T	S	Max. RPM	PU	Order no.		
65	23	6	6000	10	1004-608 151		

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



■ Steel / 0.50 ■

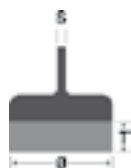
Ø	T	S	Max. RPM	PU	Order no.		
65	23	6	6000	8	7004-608 151		

MACHINE BRUSHESFOR POWER DRILLS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, crimped wire

Perfect ★ ★ ★ ☆ ☆

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

Applications: Paint stripping and rust removal from surfaces

Good to know

This brush is also available as a practical set under order number 1418-600 005. More information is on page 88.



					■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Brass / 0.20 ■
Ø	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
50	17	6	4500	20	0008-600 811	0008-600 821	0023-600 851
75	20	6	4500	10	0008-600 911	0008-600 921	0023-600 951

					■ INOX / 0.30 ■		
Ø	T	S	Max. RPM	PU	Order no.		
50	17	6	4500	20	0008-600 832		
75	20	6	4500	10	0008-600 361		

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



					■ INOX / 0.30 ■	■ Steel / 0.30 ■	
Ø	T	S	Max. RPM	PU	Order no.	Order no.	
50	17	6	4500	8		7003-600 821	
50	17	6	4500	10	7008-600 832		
75	20	6	4500	8		7003-600 921	
75	20	6	4500	6	7008-600 361		



Appearance can vary from picture depending on variant.



Cup brushes, crimped wire, plastic-bonded

Evolution ★★★★★

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)

Applications: Removal of paint and lacquer, cleaning of large surfaces

■ Brass-coated steel / 0.30 ■

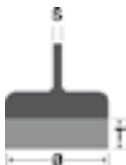
Ø	T	S	Max. RPM	PU	Order no.		
50	15	6	15000	12	0002-930 821		

MACHINE BRUSHESFOR POWER DRILLS

Cup brushes



Appearance can vary from picture depending on variant.



Cup brushes, abrasive filament

Perfect ★★☆☆☆

Grittyflex cup brush with abrasive filament, 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)

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

Good to know

This brush is also available in a practical brush set under order number 1518-600 005. More information is on page 89.



					Abr. bristle / 80 / red	Abr. bristle / 180 / blue	
Ø	T	S	Max. RPM	PU	Order no.	Order no.	
50	17	6	4500	10	0802-600 891	0182-600 891	
75	23	6	4500	10	0802-600 991	0182-600 991	

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



					Abr. bristle / 80 / red	Abr. bristle / 180 / blue	
Ø	T	S	Max. RPM	PU	Order no.	Order no.	
50	17	6	4500	8	7802-600 891	7182-600 891	
75	23	6	4500	8	7802-600 991	7182-600 991	

End brushes, crimped wire

Superior ★★☆☆☆



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

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

Applications: Rust removal, paint stripping, smoothing, deburring

Appearance can vary from picture depending on variant.



						■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.50 ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
10	20	40	6	20000	12	0003-509 141	0003-509 161	0003-509 191
17	25	45	6	18000	12	0002-509 142	0002-509 162	0002-509 192
25	25	50	6	18000	12	0002-509 143	0002-509 163	0002-509 193
30	25	45	6	15000	12	0002-509 144	0002-509 164	0002-509 194
						■ INOX / 0.20 ■	■ INOX / 0.30 ■	■ Brass / 0.30 ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
10	20	40	6	20000	12	0003-509 341	0003-509 361	0003-509 561
17	25	45	6	18000	12	0002-509 342	0002-509 362	0002-509 562
25	25	50	6	18000	12	0002-509 343	0002-509 363	0002-509 563
30	25	45	6	15000	12	0002-509 344	0002-509 364	0002-509 564

MACHINE BRUSHESFOR POWER DRILLS

End brushes



Appearance can vary from picture depending on variant.



End brushes, crimped wire

Perfect ★ ★ ★ ☆ ☆

Crimped end brush, craftsman quality, for power drills

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

Applications: Rust removal, paint stripping, smoothing, deburring

Good to know

This brush is also available as a practical set under order number 1418-600 005. More information is on page 88.



						■ Steel / 0.30 ■	■ INOX / 0.30 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	
12	20	45	6	4500	20	0008-509 161		
17	25	45	6	4500	12	0008-509 162		
25	25	50	6	4500	12		0008-509 363	
25	30	50	6	4500	12	0008-509 163		
30	35	50	6	4500	12	0008-509 164		



Appearance can vary from picture depending on variant.



End brushes, crimped wire, plastic-bonded

Evolution ★★★★★

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
- Precise work due to additional plastic binding
- Lower effort, lower contact pressure
- TÜV-Süd certified (safety tested, production monitored)

Applications: Removal of thick layers of rust and stubborn impurities, deburring edges and cleaning complex contours.



■ Brass-coated steel / 0.30 ■

Ø	T	K	L	S	Max. RPM	PU	Order no.		
17	24	16	43	6	15000	12	0002-930 902		
24	23	23	43	6	15000	12	0002-930 907		
31	23	29	43	6	15000	12	0002-930 912		

MACHINE BRUSHESFOR POWER DRILLS

End brushes



Appearance can vary from picture depending on variant.



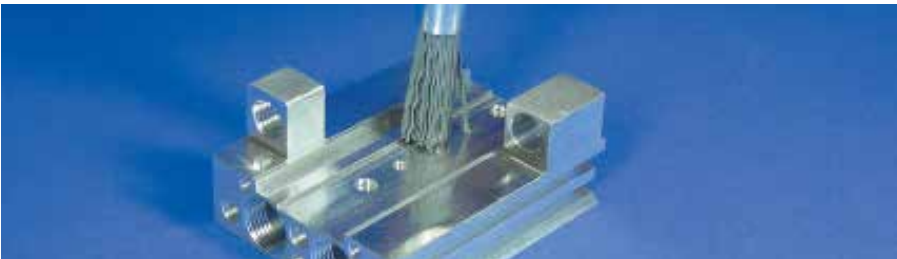
End brushes, abrasive filament

Superior ★★★★★☆

End brush with abrasive silicone carbide filament, industrial quality, for use on power drills

- Flexible bristle material with silicon carbide
- If individual filaments lie flat during use, continue working with the edge nevertheless because the length of the filament 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)

Applications: Roughing, texturing, paint stripping, deburring and cleaning



							■ Novofil / 120 ■	■ Novofil / 180 ■	■ Novofil / 320 ■
Ø	T	K	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
10	25	10	50	6	5000	12		1802-509 911	3202-509 911
15	25	15	43	6	5000	12	1202-509 912	1802-509 912	3202-509 912
22	25	22	50	6	5000	12	1202-509 913	1802-509 913	3202-509 913
28	25	28	45	6	5000	12	1202-509 914	1802-509 914	3202-509 914



Appearance can vary from picture depending on variant.



End brushes, abrasive filament

Perfect ★★★★★

Grittyflex end brush with abrasive filament, 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)

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

Good to know

This brush is also available in a practical brush set under order number 1518-600 005. More information is on page 89.



							Abr. bristle / 80 / red	Abr. bristle / 180 / blue
Ø	T	K	L	S	Max. RPM	PU	Order no.	Order no.
25	25	22	50	6	5000	12	0812-509 913	1812-509 913

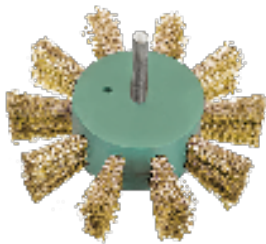
Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



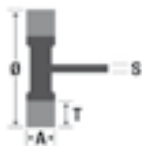
							Abr. bristle / 80 / red	Abr. bristle / 180 / blue
Ø	T	K	L	S	Max. RPM	PU	Order no.	Order no.
25	25	22	50	6	5000	8	7812-509 913	7802-509 913

MACHINE BRUSHESFOR POWER DRILLS

Flap wheel brushes



Appearance can vary from picture depending on variant.



Flap wheel brushes, crimped wire

Perfect ★ ★ ★ ☆ ☆

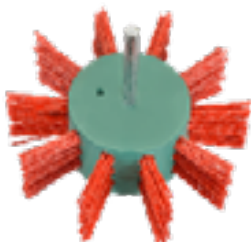
Flap wheel brush with crimped wire, craftsman quality, for power drills

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

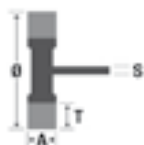
Applications: Paint stripping, rust removal, deburring, descaling, smoothing and cleaning

■ Brass-coated steel / 0.30 ■

Ø	A	T	S	Max. RPM	PU	Order no.		
100	23	25	6	3500	5	0004-401 052		



Appearance can vary from picture depending on variant.



Flap wheel brushes, abrasive/natural filament

Perfect ★★★★★

Flap wheel brush with abrasive/natural filament, craftsman quality, for power drills

- Particularly lightweight and flexible
- Variant with abrasive bristle: 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)

Applications: Variant with fibre: particularly suited to the upstream polishing process of metal and for dust removal from wood, variant with abrasive bristle: woodworking, texturing, paint stripping

						Abr. bristle / 80 / red	Abr. bristle / 180 / blue	Natural bristle / fibre
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
100	23	25	6	3500	5	0001-401 912	0011-401 912	0004-401 942

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



						Abr. bristle / 80 / red	Abr. bristle / 180 / blue	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
100	23	25	6	3500	6	7801-401 912	7811-401 912	



Kit of 5 DIY brushes, crimped wire

Perfect ★★☆☆☆

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

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

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

■ Steel / 0.30 ■



Brush type	Ø	min ⁻¹	PU	Order no.
Wheel brush	50	4500	10	1418-600 005
Wheel brush	75			
End brush	25			
Cup brush	50			
Cup brush	70			



Kit of 5 DIY brushes, abrasive filament

Perfect ★★☆☆☆

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

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

Applications: 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)



■ Abr. bristle / Grit 80 ■				
Brush type	Ø	min ⁻¹	PU	Order no.
Wheel brush	50	4500	10	1518-600 005
Wheel brush	75			
End brush	25			
Cup brush	50			
Cup brush	75			

MACHINE BRUSHESFOR POWER DRILLS

Accessories




Drive arbor, type I

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

Appearance can vary from picture depending on variant.

Ø	Inches	F	S	PU	Order no.		
10		20	6	1	0003-000 100		
13		20	6	1	0003-000 130		
12.7	1/2"	20	6	1	0004-000 127		



Cleaning tools for high-speed machines

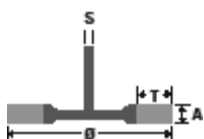
Wheel brushes	92
Flap wheels	98
End brushes	100
Accessories	106

CLEANING TOOLS FOR HIGH-SPEED MACHINES

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, knotted wire

Superior ★★★★★☆

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

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

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

						■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ INOX / 0.50 ■
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
75	12	18	6	20000	12	0202-611 131	0202-611 151	0202-611 351

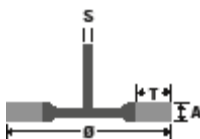
Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



						■ Steel / 0.50 ■	■ INOX / 0.50 ■	
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	
75	12	18	6	20000	8	7202-611 151	7012-611 351	



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Superior ★★★★★☆

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

- Thanks to a number of selectable filament materials and brush diameters there is a brush for every application
- Short brush diameters enable access to difficult places
- Also suitable for use on high-speed machines
- TÜV-Süd certified (safety tested, production monitored)

Applications: Edge honing, finishing bores, deburring and minor cleaning work

Ø	A	T	S	Max. RPM	PU	■ Steel / 0.20 ■	■ Steel / 0.30 ■	
						Order no.	Order no.	
20	6	4	6	20000	10	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	0002-502 142		
30	12	6	6	20000	10	0002-502 143		
40	11	10	6	18000	10	0002-503 142		
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	0002-504 142	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	
70	11	15	6	15000	10	0002-506 141	0002-506 161	
70	18	15	6	15000	10	0002-506 142	0002-506 162	
80	19	20	6	15000	10	0002-507 142	0002-507 162	

More variants on the following page



CLEANING TOOLS FOR HIGH-SPEED MACHINES

Wheel brushes

						INOX / 0.15	INOX / 0.20	INOX / 0.30
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
30	6	6	6	20000	10		0002-502 341	
30	9	6	6	20000	10	0002-502 332	0002-502 342	
30	12	6	6	20000	10	0002-502 333	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	0002-505 361
60	18	15	6	15000	10	0002-505 332	0002-505 342	0002-505 362
70	11	15	6	15000	10		0002-506 341	0002-506 361
70	18	15	6	15000	10	0002-506 332	0002-506 342	0002-506 362
70	23	15	6	15000	10		0002-506 343	0002-506 363
80	10	20	6	15000	10			5162-507 361
80	19	20	6	15000	10		0002-507 342	0002-507 362

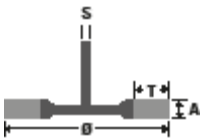
						Brass / 0.20		
Ø	A	T	S	Max. RPM	PU	Order no.		
30	9	6	6	20000	10	0002-502 542		
40	11	10	6	18000	10	0002-503 542		
50	17	13	6	15000	10	0002-504 542		
60	18	15	6	15000	10	0002-505 542		
70	18	15	6	15000	10	0002-506 542		
80	19	20	6	15000	10	0002-507 542		

Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



						Steel / 0.30	INOX / 0.20	INOX / 0.30
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
50	17	13	6	15000	6	7002-504 162	3002-504 342	7002-504 362
60	18	15	6	15000	6	7002-505 162		
80	19	20	6	15000	6	7002-507 162	7002-507 342	7002-507 362

						Brass / 0.20		
Ø	A	T	S	Max. RPM	PU	Order no.		
60	18	15	6	15000	6	7002-505 542		



You can find more information about our new Xtreme products on page 53.

Wheel brushes, Xtreme Wire, crimped

Xtreme ★★★★★

Crimped wheel brush with Xtreme wire with high-end quality for use on drilling machines and high-speed drills

- 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

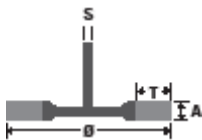
Applications: Rounding edges, machining holes, deburring, cleaning

■ Steel / Xtreme / 0.30 ■						
Ø	A	T	S	RPM	PU	Order no.
50	17	13	6	15.000	10	3902-504 162
70	18	15	6	15.000	10	3902-506 162

All dimensions in mm



Appearance can vary from picture depending on variant.



Wheel brushes, abrasive filament

Evolution ★★★★★

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

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

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

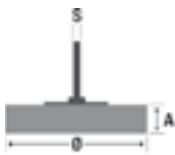
						■ Grit 120 ■	■ Grit 180 ■	■ Grit 320 ■
Ø	A	T	B	Max. RPM	PU	Order no.	Order no.	Order no.
38	10	6	1/2"	20000	12	9906-011 146	9906-011 147	9906-011 148
50	10	11	5/8"	15000	12	9906-011 149	9906-011 150	9906-011 151
63	13	17	5/8"	15000	12	9906-011 153	9906-011 154	9906-011 155
						■ Grit 120 ■	■ Grit 180 ■	■ Grit 320 ■
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.	Order no.
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

CLEANING TOOLS FOR HIGH-SPEED MACHINES

Coarse cleaning fleeces



Appearance can vary from picture depending on variant.



Flap wheels

Superior ★★★★★

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

Applications: 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.	PU	Abr. bristle / Grit 40	Abr. bristle / Grit 60	Abr. bristle / Grit 80
					Order no.	Order no.	Order no.
30	10	6	25400	10	0043-003 010	0063-003 010	0083-003 010
30	15	6	25400	10	0043-003 015	0063-003 015	0083-003 015
40	20	6	19100	10	0043-004 020	0063-004 020	0083-004 020
40	30	6	17000	10	0043-004 030	0063-004 030	0083-004 030
50	20	6	15200	10	0043-005 020	0063-005 020	0083-005 020
50	30	6	15200	10	0043-005 030	0063-005 030	0083-005 030
60	20	6	12700	10	0043-006 020	0063-006 020	0083-006 020
60	30	6	12700	10	0043-006 030	0063-006 030	0083-006 030
60	40	6	12700	10	0043-006 040	0063-006 040	0083-006 040
80	50	6	8900	10	0043-008 050	0063-008 050	0083-008 050

Flap wheels

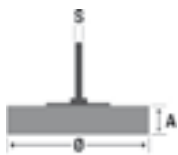
					■ Abr. bristle / Grit 120 ■	■ Abr. bristle / Grit 150 ■	■ Abr. bristle / Grit 180 ■
Ø	A	S	RPM max.	PU	Order no.	Order no.	Order no.
30	10	6	25400	10	0123-003 010	0153-003 010	0183-003 010
30	15	6	25400	10	0123-003 015	0153-003 015	0183-003 015
40	20	6	19100	10	0123-004 020	0153-004 020	0183-004 020
50	20	6	15200	10	0123-005 020	0153-005 020	0183-005 020
50	30	6	15200	10	0123-005 030	0153-005 030	0183-005 030
60	20	6	12700	10	0123-006 020	0153-006 020	0183-006 020
60	30	6	12700	10	0123-006 030	0153-006 030	0183-006 030
60	40	6	12700	10	0123-006 040	0153-006 040	0183-006 040
					■ Abr. bristle / Grit 240 ■		
Ø	A	S	RPM max.	PU	Order no.		
30	10	6	25400	10	0243-003 010		
30	15	6	25400	10	0243-003 015		
40	20	6	19100	10	0243-004 020		
50	20	6	15200	10	0243-005 020		
50	30	6	15200	10	0243-005 030		
60	20	6	12700	10	0243-006 020		
60	30	6	12700	10	0243-006 030		
60	40	6	12700	10	0243-006 040		
80	50	6	8900	10	0243-008 050		

CLEANING TOOLS FOR HIGH-SPEED MACHINES

Flap wheels



Appearance can vary from picture depending on variant.



Coated abrasive and non-woven combi flap wheels

Superior ★★☆☆☆

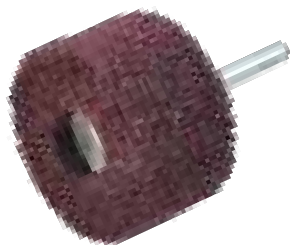
Combi flap wheel with coated abrasives and non-woven material, industrial quality, for use on high-speed machines

- The combination of two filament 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

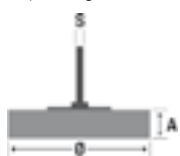
Applications: Fine surface pattern and readying for satin finishing. Ideal for removing minor scratches; final finish also possible depending on grit size

					Abr. bristle / Grit 60	Abr. bristle / Grit 80	Abr. bristle / Grit 150
Ø	A	S	RPM max.	PU	Order no.	Order no.	Order no.
40	20	6	17100	10	0063-404 020	0083-404 020	0153-404 020
60	40	6	11500	10	0063-406 040	0083-406 040	0153-406 040
80	50	6	8600	10	0063-408 050	0083-408 050	0153-408 050

					Abr. bristle / Grit 240		
Ø	A	S	RPM max.	PU	Order no.		
40	20	6	17100	10	1243-404 020		
60	40	6	11500	10	1243-406 040		
80	50	6	8600	10	1243-408 050		



Appearance can vary from picture depending on variant.



Non-woven abrasive flap wheels

Superior ★★★★★

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

Applications: Matting, satin and final finishing

					Abr. bristle / coarse	Abr. bristle / medium	Abr. bristle / fine
Ø	A	S	RPM max.	PU	Order no.	Order no.	Order no.
40	20	6	17100	10	0083-304 020	0153-304 020	0243-304 020
40	30	6	17100	10	0083-304 030	0153-304 030	0243-304 030
50	30	6	13700	10	0083-305 030	0153-305 030	0243-305 030
50	40	6	13700	10	0083-305 040	0153-305 040	0243-305 040
60	30	6	11500	10	0083-306 030	0153-306 030	0243-306 030
80	50	6	8600	10	0083-308 050	0153-308 050	0243-308 050

					Abr. bristle / very fine		
Ø	A	S	RPM max.	PU	Order no.		
40	20	6	17100	10	0323-304 020		
40	30	6	17100	10	0323-304 030		
50	30	6	13700	10	0323-305 030		
50	40	6	13700	10	0323-305 040		
60	30	6	11500	10	0323-306 030		
80	50	6	8600	10	0323-308 050		

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.

CLEANING TOOLS FOR HIGH-SPEED MACHINES

End brushes



Appearance can vary from picture depending on variant.



End brushes, knotted wire

Superior ★★★★★

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)

Applications: Rust removal, paint stripping, deburring, weld seams

						■ Steel / 0.26 ■	■ Steel / 0.35 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	
20	29	44	6	20000	12	0002-630 304	0002-630 305	
23	29	44	6	20000	12	0002-630 310	0002-630 311	
30	29	44	6	20000	12	0002-630 316	0002-630 317	
						■ INOX / 0.26 ■	■ INOX / 0.35 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	
20	29	44	6	20000	12	0002-630 328		
23	29	44	6	20000	12	0002-630 334	0002-630 335	
30	29	44	6	20000	12	0002-630 340	0002-630 341	



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.

Body Ø	Wire thick-ness	At speed ≤ min ⁻¹ 5,000	At speed ≤ min ⁻¹ 8,000	At speed ≤ min ⁻¹ 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

Recommended working speed about 50% of the max. min⁻¹



Appearance can vary from picture depending on variant.



End brushes, knotted wire

Evolution ★★★★★

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)

Applications: Rust removal, paint stripping, deburring, weld seams

						■ Osborn steel / 0.15 ■	■ Osborn steel / 0.26 ■	■ Osborn steel / 0.35 ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
20	29	44	6	20000	12	9906-030 302	9906-030 304	9906-030 305
23	29	44	6	20000	12	9906-030 308	9906-030 310	9906-030 311
30	29	44	6	20000	12	9906-030 314	9906-030 316	9906-030 317
						■ Osborn steel / 0.50 ■		
Ø	T	L	S	Max. RPM	PU	Order no.		
23	29	44	6	20000	12	9906-030 312		
30	29	44	6	20000	12	9906-030 318		
						■ Osborn INOX / 0.15* ■	■ Osborn INOX / 0.26* ■	■ Osborn INOX / 0.35* ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
20	29	44	6	20000	12	9906-030 326	9906-030 328	9906-030 329
23	29	44	6	20000	12	9906-030 332	9906-030 334	9906-030 335
30	29	44	6	20000	12	9906-030 338	9906-030 340	9906-030 341

*Stainless steel variant degreased

Important:

RUFTUF end brushes are, with immediate effect, also available with "rose bud knots". Available with steel wire and stainless steel wire of different diameters.

Please speak to us: service@osborn.de



CLEANING TOOLS FOR HIGH-SPEED MACHINES

End brushes



You can find more information about our new Xtreme products on page 53.

RUFTUF® End brushes, Xtreme wire, knotted

Xtreme ★ ★ ★ ★ ★

Ruftuf® End brushes with knotted Xtreme wire with high-end quality for use on high-speed machines

- Particularly flexible
- Increased service life and cleaning efficiency
- Finer surface finish
- The diameter of the brush changes with increasing working speed; the brush "flares" so that different bore diameters can be machined

Applications: For deburring and derusting and for weld seam processing. Particularly suitable for hard-to-reach areas or internal bores

■ Steel / Xtreme / 0.30 ■							
Ø	T	L	S	Knots	RPM	PU	Order no.
20	29	43	6	6	20.000	12	3906-030 304
23	29	43	6	8	20.000	12	3906-030 310
30	29	43	6	12	20.000	12	3906-030 316

All dimensions in mm

Important:

The brushes flare when the machine is running (see picture). This allows the brush to reach hard-to-reach areas and can be used for different bore diameters.



Appearance can vary from picture depending on variant.



End brushes, knotted wire

Superior ★ ★ ★ ★ ☆

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

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

Applications: Removal of oxide layers and for deburring

■ Steel / 0.25 ■						■ Steel / 0.35 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.
10	26	72	6	15000	12	9803-630 151	9803-630 171

■ INOX / 0.25 ■						■ INOX / 0.35 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.
10	26	72	6	15000	12	9803-630 351	9803-630 371



Appearance can vary from picture depending on variant.



End brushes, crimped wire

Superior ★★☆☆☆

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

Applications: Internal finishing, rust removal, paint stripping, deburring, rounding edges

						■ Steel / 0.20 ■	■ Steel / 0.30 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	
10	20	100	6	9000	10	0003-509 149	0003-509 169	
						■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	
10	20	100	6	9000	10	0003-509 349	0003-509 369	



Appearance can vary from picture depending on variant.



End brush, crimped wire

Superior ★★☆☆☆

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

- Flexible filament material, adjusts perfectly to the workpiece
- For pinpoint work in places difficult to access, such as boreholes
- The diameter of the brush changes with increasing work speed; the brush flares, meaning different bore diameters can be worked on

Applications: Rust removal, paint stripping, smoothing, edge rounding, deburring, internal finishing

						■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.50 ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
10	20	40	6	20000	12	0003-509 141	0003-509 161	0003-509 191
17	25	45	6	18000	12	0002-509 142	0002-509 162	0002-509 192
25	25	50	6	18000	12	0002-509 143	0002-509 163	0002-509 193
30	25	45	6	15000	12	0002-509 144	0002-509 164	0002-509 194
						■ INOX / 0.20 ■	■ INOX / 0.30 ■	■ Brass / 0.30 ■
Ø	T	L	S	Max. RPM	PU	Order no.	Order no.	Order no.
10	20	40	6	20000	12	0003-509 341	0003-509 361	0003-509 561
17	25	45	6	18000	12	0002-509 342	0002-509 362	0002-509 562
25	25	50	6	18000	12	0002-509 343	0002-509 363	0002-509 563
30	25	45	6	15000	12	0002-509 344	0002-509 364	0002-509 564

CLEANING TOOLS FOR HIGH-SPEED MACHINES

End brushes



Appearance can vary from picture depending on variant.



End brushes, crimped wire

Superior ★★★★★

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

Applications: Minor cleaning work, removal of corrosion and coating

■ Steel / 0.30 ■

Ø	T	L	S	Max. RPM	PU	Order no.		
50	14	45	6	18000	5	0002-509 165		
70	20	45	6	15000	5	0002-509 167		



Appearance can vary from picture depending on variant.



End brushes, crimped wire

Superior ★★★★★

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

Applications: Removal of oxide layers, deburring, removal of coatings such as paint and primers

■ Steel / 0.40 ■

Ø	T	L	Type	S	Max. RPM	PU	Order no.		
8	29	57	122 F	6	12000	12	0024-509 101		
9.5	29	55	123 F	6	12000	12	0024-509 102		
10	27	158	121 F/L	6	12000	6	1224-509 101		
12	29	60	124 F	6	12000	12	0024-509 111		
12	55	55	302	6	12000	6	0014-509 102		
20	25	47	102 F	6	12000	6	0024-509 103		

End brushes, straight wire

Superior ★★☆☆☆



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

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

Applications: Removal of burrs, scales, slag, paint, moulding sand and other debris

Appearance can vary from picture depending on variant.



							■ Steel / 0.40 ■	■ Steel / 0.50 ■	
Ø	T	L	Type	S	Max. RPM	PU	Order no.	Order no.	
9.5	32	57	122 P	6	12000	12	0124-509 101		
10	27	125	121 P/L	6	12000	6	2224-509 101		
10	31	55	123 P	6	12000	12	0224-509 101		
12	30	61	124 P	6	12000	12	0124-509 111		
19	31	51	102 P	6	12000	6		0124-509 103	
19	64	50	225	6	4000	6		0024-509 100	
							■ INOX / 0.30 ■	■ INOX / 0.50 ■	
Ø	T	L	Type	S	Max. RPM	PU	Order no.	Order no.	
9.5	32	57	122 P	6	12000	12	0074-509 301		
11	32	59	103 P	6	12000	6		0004-509 302*	
19	31	51	102 P	6	12000	6		0124-509 303	
25	35	50	103 P	6	12000	6		0014-509 304	

*straight wire

CLEANING TOOLS FOR HIGH-SPEED MACHINES

End brushes

End brushes, Abrasive Filament

Evolution ★ ★ ★ ★ ★

End brush with abrasive silicone carbide filament, high-end quality, for use on high-speed machines and power drills

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

Applications: Deburring, edge rounding, surface finishing



Ø	T	L	S	Max. RPM	PU	Abr. bristle / 120	Abr. bristle / 180	Abr. bristle / 320
						Order no.	Order no.	Order no.
10	25	45	6	8000	12	9906-030 488	9906-030 489	9906-030 490
15	25	45	6	5000	12	9906-030 492	9906-030 493	9906-030 494
22	25	45	6	5000	12	9906-030 496	9906-030 497	9906-030 498
28	25	45	6	5000	12	9906-030 500	9906-030 501	9906-030 502

Accessories

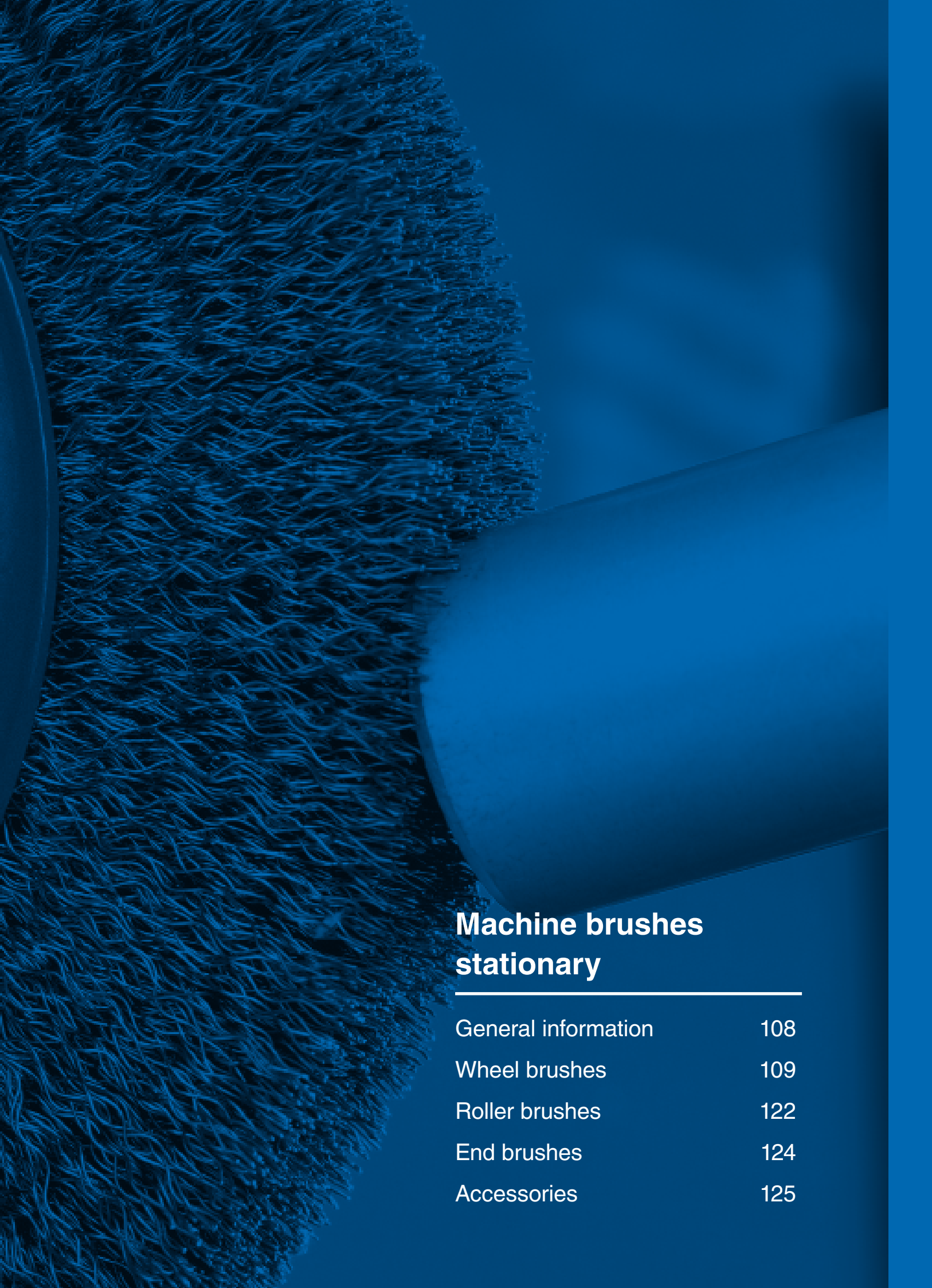
Tensioning shaft for cleaning fleece

Perfect ★ ★ ★ ☆ ☆

The tensioning shaft enables the cleaning fleece to be used on straight and cylindrical grinders



Name	Dimensions mm	PU	Order no.	EAN 4081600
Tensioning shaft	6 mm	1	6700-008 100	670400



Machine brushes stationary

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End brushes	124
Accessories	125

MACHINE BRUSHESSTATIONARY

General information

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 (Page 125).

Brush Ø		Bore Ø															
		mm	13		16	19	20			30		32	35	38	40	44	50.8
mm	inch	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	7438			
200	8					7419	7420	7422	7425	7430	7431	7432	7435	7438			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	9.35	10	12.7	13	16	19	20	22.2	25.4	30	31.8	32	35	40	50.8
mm	inch	inch	3/8		1/2		5/8	3/4		7/8	1		11/4				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.



Wheel brushes, knotted wire

Superior ★★★★★

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

Applications: 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

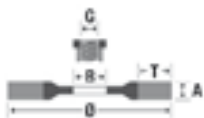
Note: For other bore sizes, refer to table
"Standard bores for **single-row** brushes" on page 108

Ø	A	T	Min. B	Max. B	Max. RPM	PU	■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ Steel / 0.80 ■
							Order no.	Order no.	Order no.
200	13	42	20	50.8	8500	1	0002-664 131	0002-664 151	
200	26	42	50.8*	50.8*	8500	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

*Pipe diameter; for reducing the bore size, refer to the 1-A adapter on page 126



Appearance can vary from picture depending on variant.



Joint brushes, knotted wire

Superior ★★★★★

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

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

Note: For other bore sizes, refer to table
"Standard bores for **single-row** brushes" on page 108

						Steel / 0.50	Steel / 0.80	
Ø	A	T	B	Max. RPM	PU	Order no.	Order no.	
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	



Joint brush used in road construction.



Before



After



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Superior ★★☆☆☆

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

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

Note: For other bore sizes, refer to table
"Standard bores for **single-row** brushes" on page 108

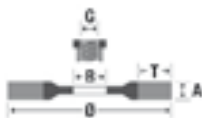
							■ Steel / 0.20 ■	■ Steel / 0.30 ■	
Ø	A	T	Min. B	Max. B	Max. RPM	PU	Order no.	Order no.	
75	11	15	13	13	10000	5		0002-511 161	
100	13	23	13	20	8000	8	0002-522 141	0002-522 161	
125	15	35	13	20	6000	5		0002-532 161	
150	16	32	13	32	6000	4	0002-544 141		
150	16	32	13	20	6000	8		0002-544 161	
178	18	45	13	32	6000	8		0002-554 161	
200	19	38	19	32	4500	1		0002-566 161	
200	19	38	19	50.8	4500	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	

							■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	Min. B	Max. B	Max. RPM	PU	Order no.	Order no.	
100	13	23	13	20	8000	8	0002-522 341	0002-522 361	
125	15	35	13	20	6000	5		0002-532 361	
150	16	32	13	32	6000	3	0002-544 341	0002-544 361	
178	18	45	13	32	6000	4		0002-554 361	
200	19	38	19	50.8	4500	2		0002-566 361	
250	22	35	20	50.8	3600	2	0002-576 341		
300	26	58	20	50.8	3000	2	0002-587 341		

Wheel brushes



Appearance can vary from picture depending on variant.



Band saw brush

Superior ★ ★ ★ ★ ☆

Band saw brush with nylon filament, 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

Applications: 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

■ Nylon / 0.80 ■

Ø	A	T	B	Max. RPM	PU	Order no.		
100	15	20	13	8000	10	0003-515 827		



Appearance can vary from picture depending on variant.



Wheel brushes, crimped Osborn wire

Evolution ★★★★★

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

Applications: Automated manufacturing processes for the deburring of machined and sawn cutting edges and surfaces

MONITOR® variant with **standard bore** adapter, refer to page 126



							■ Osborn steel / 0.15 ■	■ Osborn steel / 0.20 ■	
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.	
200	18	37	50.8	1-A	4500	2	9906-021 183	9906-021 184	
							■ Osborn INOX / 0.26 ■		
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.	
150	14	29	31.75	3-A	6000	6	9906-021 059		

MATIC® variant with **keyways** adapter, refer to page 126



							■ Osborn steel / 0.15 ■	■ Osborn steel / 0.20 ■	■ Osborn steel / 0.30 ■
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.	Order no.
200	22	37	50.8	1-A	4500	1	9906-022 081	9906-022 082	
200	22	37	50.8	1-A	4500	2			9906-022 085

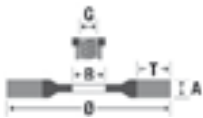
MASTER® variant with **tortoise-shaped bore** adapter, refer to page 125



							■ Osborn steel / 0.20 ■	■ Osborn steel / 0.30 ■		
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.		
250	26	60	50.8	4-M	3600	2	9906-013 008	9906-013 009		
300	28	60	50.8	4-M	3000	2		9906-013 021		
380	32	72	50.8	4-M	2400	2		9906-013 057		



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Superior ★ ★ ★ ★ ☆

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

Applications: For example on a workbench grinder or table deburrer for rust/paint removal, cleaning, roughening or deburring

Note: For other bore sizes, refer to table
"Standard bores for **multi-row** brushes" on page 108

All-round use of every brush by the bore reduction pieces (included)

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



Product tables on the following page.



Wheel brushes

								■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.50 ■
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	Order no.
75	19	16		20	20	10000	4		9902-511 162	
100	20	23		20	30	8000	5	9902-522 142	9902-522 162	
100	28	23		20	30	8000	5		9902-522 163	
125	22	30		20	30	6000	5	9902-532 142	9902-532 162	
125	30	30		20	30	6000	5		9902-532 163	
150	21	25		31.75	50.8	6000	3	9902-544 441	9902-544 461	9902-544 491
150	30	29		31.75	50.8	6000	3	9902-544 142	9902-544 162	
150	37	29		31.75	50.8	6000	3		9902-544 163	9902-544 193
178	23	38		31.75	50.8	6000	1	9902-554 441	9902-554 461	
178	32	38		31.75	50.8	6000	1	9902-554 142	9902-554 162	9902-554 192
178	38	38		31.75	50.8	6000	1		9902-554 163	
200	20	38		31.75	80	4500	1	9902-566 441	9902-566 461	9902-566 491
200	30	38		31.75	80	4500	1	9902-566 142	9902-566 162	9902-566 192
200	38	38		31.75	80	4500	1		9902-566 163	9902-566 193
250	28	47	20	50.8	100	3600	1	9902-576 142	9902-576 162	
250	38	47	20	50.8	100	3600	1		9902-576 163	9902-576 193
250	55	47	20	50.8	100	3600	1		9902-576 464	
300	32	50	25.4	50.8	120	3000	1	9902-587 142	9902-587 162	9902-587 192
300	46	50	50.8	101.6	151	3000	1		0002-587 162	
300	44	50	25.4	50.8	120	3000	1		9902-587 163	9902-587 193
								■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	
75	19	16		20	20	10000	4		9902-511 362	
100	20	23		20	30	8000	4	9902-522 342	9902-522 362	
100	28	23		20	30	8000	4		9902-522 363	
125	22	30		20	30	6000	2	9902-532 342	9902-532 362	
150	21	25		31.75	50.8	6000	2	9902-544 341	9902-544 361	
150	30	29		31.75	50.8	6000	2	9902-544 342	9902-544 362	
178	23	38		31.75	50.8	6000	1	9902-554 341	9902-554 361	
178	32	38		31.75	50.8	6000	1		9902-554 362	
200	20	38		31.75	80	4500	1	9902-566 341	9902-566 361	
200	30	38		31.75	80	4500	1	9902-566 342	9902-566 362	
200	38	38		31.75	80	4500	1		9902-566 363	
250	28	47	20	50.8	100	3600	1	9902-576 342	9902-576 362	
250	38	47	20	50.8	100	3600	1	9902-576 343	9902-576 363	
300	32	50	25.4	50.8	120	3000	1	9902-587 342	9902-587 362	
300	44	50	25.4	50.8	120	3000	1	9902-587 343	9902-587 363	

MACHINE BRUSHESSTATIONARY

Wheel brushes



Appearance can vary from picture depending on variant.



Wheel brushes, crimped wire

Superior ★ ★ ★ ★ ☆

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

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

Applications: Fine surface finishing and deburring on geometrically challenging parts

Note: For brush diameters of Ø 220 to 300 mm, please specify the bore required when ordering

Note: For other bore sizes, refer to table "Standard bores for **multi-row** brushes" on page 108

All-round use of every brush by the bore reduction pieces (included)

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

								■ Steel / 0.20 ■	■ Steel / 0.30 ■	
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	
150	24	43		20	30	6000	3	9902-543 142	9902-543 162	
178	32	43		31.75	50.8	6000	1		9902-553 162	
200	33	55		31.75	50.8	4500	1	9902-565 142	9902-565 162	
200	42	55		31.75	50.8	4500	1		9902-565 163	
250	32	63	20	50.8	80	3600	1	9902-575 142	9902-575 162	
250	42	63	20	50.8	80	3600	1		9902-575 163	
300	33	70	25.4	50.8	100	3000	1	9902-586 142	9902-586 162	
300	45	70	25.4	50.8	100	3000	1		9902-586 163	

								■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	
150	24	43		20	30	6000	2		9902-543 362	
200	33	55		31.75	50.8	4500	1		9902-565 362	
250	32	63	20	50.8	80	3600	1	9902-575 342		
300	33	70	25.4	50.8	100	3000	1	9902-586 342		
300	45	70	25.4	50.8	100	3000	1	9902-586 343		

								■ Brass / 0.20 ■	■ Brass / 0.30 ■	
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	
150	24	43		20	30	6000	2	9902-543 542	9902-543 562	
150	32	43		20	30	6000	2		9902-543 563	
200	33	55		31.75	50.8	4500	1	9902-565 542	9902-565 562	



Appearance can vary from picture depending on variant.



Wheel brushes for deburring machines, crimped wire

Superior ★★★★★

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

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

For other bore sizes, refer to the axis discs on page 125.



							■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.35 ■
Ø	A	T	B	R	Max. RPM	PU	Order no.	Order no.	Order no.
250	55	45	100	100	3600	1	0002-576 145	0042-576 165	0042-576 175
							■ Steel / 0.50 ■		
Ø	A	T	B	R	Max. RPM	PU	Order no.		
250	55	45	100	100	3600	1	0002-576 195		
							■ INOX / 0.20 ■	■ INOX / 0.30 ■	■ INOX / 0.35 ■
Ø	A	T	B	R	Max. RPM	PU	Order no.	Order no.	Order no.
250	55	45	100	100	3600	1	0002-576 345	0042-576 365	0042-576 375
							■ INOX / 0.50 ■		
Ø	A	T	B	R	Max. RPM	PU	Order no.		
250	55	45	100	100	3600	1	0002-576 395		

MACHINE BRUSHESSTATIONARY

Wheel brushes



You can find more information about our new Xtreme products on page 53.

TE Wheel brushes, Xtreme wire, crimped

Xtreme ★★★★★

Wheel brushes with crimped Xtreme wire with high-end quality for use on table deburring machines and bench grinders

- 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

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

■ Steel / Xtreme / 0.30 ■								
Ø	A	KB	T	R	B	RPM	PU	Order no.
250	60	55	53	100	50,8	3.600	1	3902-576 175

All dimensions in mm



Appearance can vary from picture depending on variant.



Wheel brushes for deburring machines, abrasive filament

Superior ★★★★★☆

Wheel brush with abrasive filament, 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 high concentricity accuracy

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

For other bore sizes, refer to the axis discs on page 125.



							■ Grit 80 / 1.27 ■	■ Grit 120 / 1.02 ■	■ Grit 180 / 0.90 ■
Ø	A	T	B	R	Max. RPM	PU	Order no.	Order no.	Order no.
250	55	45	100	100	3600	1	2102-576 916	0002-576 906	0002-576 916



Appearance can vary from picture depending on variant.



UNI-Master® wheel brushes, abrasive filament

Evolution ★★★★★

Wheel brush with abrasive filament, high-end 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

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

You will find the right adapters on page 125.



							■ Grit 80 ■	■ Grit 120 / 1.02 ■	■ Grit 180 ■
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.	Order no.
75	12	15	5/8"	F	20000	6	9906-015 001	9906-015 002	9906-015 003
100	16	20	5/8"	F	12000	6	9906-015 025	9906-015 026	9906-015 027
125	16	32	5/8"	F	12000	6	9906-015 035	9906-015 036	9906-015 037
150	17	32	7/8"	F	8000	6	9906-015 079	9906-015 080	9906-015 081
178	20	47	7/8"	F	8000	2	9906-015 040	9906-015 041	9906-015 042
200	18	35	2"	4-M	6000	2	9906-015 050	9906-015 051	9906-015 052
250	18	35	2"	4-M	3000	2	9906-015 056	9906-015 057	9906-015 058
250	18	60	2"	4-M	3600	2	9946-015 056	9946-015 057	9946-015 058
300	18	35	2"	4-M	2400	2	9906-015 062	9906-015 063	9906-015 064
300	18	60	2"	4-M	3000	2		9966-015 063	9966-015 064
350	19	55	2"	4-M	2400	2		9906-015 069	9906-015 070

							■ Grit 320 ■		
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.		
75	12	15	5/8"	F	20000	6	9906-015 004		
100	13	20	5/8"	F	12000	6	9906-015 028		
125	16	32	5/8"	F	12000	6	9906-015 038		
150	17	32	7/8"	F	8000	6	9906-015 082		
178	20	47	7/8"	F	8000	2	9906-015 043		
200	18	35	2"	4-M	6000	2	9906-015 053		
250	18	35	2"	4-M	3000	2	9906-015 059		
250	18	60	2"	4-M	3600	2	9946-015 059		
300	18	35	2"	4-M	2400	2	9906-015 065		
300	18	60	2"	4-M	3000	2	9966-015 065		
350	19	55	2"	4-M	2400	2	9906-015 071		



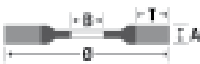
UNI-Master® Wheel brushes, Xtreme wire, crimped

Xtreme ★ ★ ★ ★ ★

Wheel brushes with crimped Xtreme wire with high-end quality to be mounted on stationary machines

- Higher removal rate, aggressive removal of burrs
- High 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

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



You can find more information about our new Xtreme products on page 53.

■ Steel / Xtreme / 0.30 ■							
Ø	A	T	B	Adapter	RPM	PU	Order no.
250	26	60	50,8	4-M	3.600	2	3906-013 009
300	28	60	50,8	4-M	3.000	2	3906-013 021
380	32	72	50,8	4-M	2.400	2	3906-013 057

All dimensions in mm

Wheel brushes, abrasive filament

Superior ★ ★ ★ ★ ☆

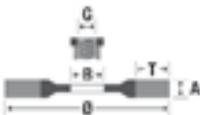
Wheel brush with abrasive filament, industrial quality, for use on stationary machines

- Cost-effective finishing of components with many contours in dry applications
- Suitable for defined edge rounding

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

Note: For other bore sizes, refer to table "Standard bores for **single-row** brushes" on page 108

Appearance can vary from picture depending on variant.



You will find the right adapters on page 125



Wheel brushes

									■ Grit 80 ■	■ Grit 120 ■	■ Grit 180 ■
Ø	A	T	Min. B	Max. B	B	Adapt.	Max. RPM	PU	Order no.	Order no.	Order no.
75	12	13		13			20000	6	See below	9902-515 002	9902-515 003
100	18	18	13	20			12000	6	See below	9902-515 026	9902-515 027
150	18	32	13	32	50.8	F	8000	6	9902-515 079	9902-515 080	9902-515 081
178	20	45	13	32		F	8000	4	9902-515 040	9902-515 041	9902-515 042
200	18	35	19	40	50.8	4-M	6000	2	9902-515 050	9902-515 051	9902-515 052
250	20	35	20	40	50.8	4-M	3600	2	9902-515 056	9902-515 057	9902-515 058
250	18	60	20	40	50.8	4-M	3000	2	9962-515 056	9962-515 057	9962-515 058
300	20	35	20	40	50.8	4-M	2400	2	9902-515 062	9902-515 063	9902-515 064
300	20	60	20	40	50.8	4-M	3000	2	9962-515 062	9962-515 063	9962-515 064
350	20	57	32	40	50.8	4-M	2400	2		9902-515 069	

									■ Novofil 320 ■		
Ø	A	T	Min. B	Max. B	B	Adapt.	Max. RPM	PU	Order no.		
75	12	13		13			20000	6	9902-515 004		
100	18	18	13	20			12000	6	9902-515 028		
150	18	32	13	32	50.8		8000	6	9902-515 082		
178	18	45	13	32			8000	4	9902-515 043		
200	18	35	19	40	50.8	4-M	6000	2	9902-515 053		
250	18	60	20	40	50.8	4-M	3000	2	9962-515 059		
300	20	35	20	40	50.8	4-M	2400	2	9902-515 065		
250	20	60	20	40	50.8	4-M	3000	2	9962-515 065		

NHS filament material - Also suitable for use with coolants

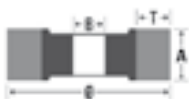
									■ Grit 80 ■		
Ø	A	T	Min. B	Max. B	B	Adapt.	Max. RPM	PU	Order no.		
75	12	13		13			20000	6	9902-515 001		
100	18	18	13	20			12000	6	9902-515 025		

MACHINE BRUSHESSTATIONARY

Roller brushes



Appearance can vary from picture depending on variant.



Roller brushes for deburring machines, crimped wire

Superior ★★★★★

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

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

Applications: Deburring, weld seam finishing, rust/paint removal

Ø	A	T	B	R	Max. RPM	PU	■ Steel / 0.35 ■	■ INOX / 0.30 ■	
							Order no.	Order no.	
300	440	60	120	120	3600	1	4602-743 178		
300	600	60	120	120	3600	1	8802-753 478	1302-753 368	

Good to know ...

Other circular and roller brushes for all popular deburring machines are available on request.



Coated abrasive flap rollers

Superior ★★★★★

Coated abrasive flap rollers, industrial quality, with bore 19 and 4 keyways

- Coated abrasive with aluminium oxide
- Generates a homogeneous surface pattern
- All rollers are supplied in neutral cardboard packaging

Applications: For pre-sanding and texturing

Appearance can vary from picture depending on variant.



Standard items are also available in practical PET packaging with Euro-standard hole (**see the second table row**).



Ø	A	B	min ⁻¹	PU	■ Grit 40 ■	■ Grit 60 ■	■ Grit 80 ■	■ Grit 120 ■
					Order no.	Order no.	Order no.	Order no.
100	100	19	5000	1	0043-010 100	0063-010 100	0083-010 100	0123-010 100
100	100	19	5000	1			8203-010 100	

Coated abrasive and non-woven combi rollers

Superior ★★☆☆☆

Abrasive flap rollers with non-woven and abrasive cloth combined, industrial quality

- Coated abrasive with aluminium oxide
- Generates a fine surface pattern
- All rollers are supplied in neutral cardboard packaging

Applications: For preparation of a satin finishing process. Ideal for removing minor scratches

Appearance can vary from picture depending on variant.



Standard items are also available in practical PET packaging with Euro-standard hole (see the second table row).



Ø	A	B	min ⁻¹	PU	Grit 60 / coarse	Grit 80 / medium	Grit 120 / fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	0063-410 100	0083-410 100	0123-410 100
100	100	19	5000	1	8203-410 100		

Non-woven (satin) finishing rollers

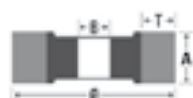
Superior ★★☆☆☆

Satin finish rollers with non-woven abrasive material, industrial quality

- Generates a satin, matted surface on all materials
- The surface pattern varies depending on the grit (from coarse to very fine)
- All rollers are supplied in neutral cardboard packaging

Applications: For creating satin finished surfaces

Appearance can vary from picture depending on variant.



Standard items are also available in practical PET packaging with Euro-standard hole (see the second table row).



Ø	A	B	min ⁻¹	PU	Grit 80 / coarse	Grit 180 / fine	Grit 320 / very fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	0083-310 100	0183-310 100	0283-310 100
100	100	19	5000	1	8203-310 100		



End brushes, crimped wire

Superior ★ ★ ★ ★ ☆

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

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

				■ Steel / 0.20 ■	■ Steel / 0.35 ■	■ Steel / 0.50 ■
Ø	T	L	PU	Order no.	Order no.	Order no.
25	95	25	16	0002-509 448	0002-509 478	0002-509 498
				■ Grit 80 ■	■ Grit 120 / 0.20 stainless ■	
Ø	T	L	PU	Order no.	Order no.	
25	95	25	16	0002-509 908	5702-509 938	



Axis discs

Axis discs for table deburring brushes

B	Keyway	PU	Order no.		
50.8	13.2 x 7.1	1	5495-560 051		
52.9	13.5 x 6.4	1	5495-560 052		
54.7	13.6 x 5.8	1	5495-560 054		
80.2	13.5 x 7.5	1	5495-560 080		
82	13.5 x 6.4	1	5495-560 082		

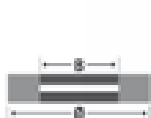
Prices on request



4-M adapters for tortoise-shape bores

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

B	Inches	PU	Order no.		
12.7	1/2"	1	0003-075 064		
15.9	5/8"	1	0003-075 065		
19	3/4"	1	0003-075 066		
22.2	7/8"	1	0003-075 067		
25.4	1"	1	0003-075 068		
28	1 1/8"	1	0003-075 069		
28	1 1/4"	1	0003-075 070		
38	1 1/2"	1	0003-075 071		
50.8	2"	1	0003-075 073		



F-Adapter

For reducing bores.

Inside Ø	Outside Ø	PU	Order no.		
3/8"	5/8"	1	0003-000 222		
1/2"	5/8"	1	0003-000 223		
3/8"	7/8"	1	0003-000 242		
7/8"	1 1/2"	1	0003-000 243		
7/8"	5/8"	1	0003-000 244		



Interchangeable metal adapters

- 1-A circular adapter for bore 2" (50.8 mm); reusable
- 3-A circular adapter for bore 1 1/4" (31.75 mm); reusable

		1-A	3-A	
B	PU	Order no.	Order no.	
1/2"	1	0103-075 021	0103-075 048	
3/4"	1		0103-075 050	
1 1/4"	1	0103-075 027		
1 1/2"	1	0103-075 028		

		1-A	3-A	
B	PU	Order no.	Order no.	
10	1	0103-075 210		
13	1	0103-075 213	0103-075 313	
16	1	0103-075 216	0103-075 316	
20	1	0103-075 220	0103-075 320	
25	1	0103-075 225	0103-075 325	
30	1	0103-075 230		
32	1	0103-075 232		
35	1	0103-075 235		
40	1	0103-075 240		



Hand brushes

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HAND BRUSHES

Hand brushes



Appearance can vary from picture depending on variant.



Hand brushes, plastic handle

Perfect ★ ★ ★ ☆ ☆

Hand brush with crimped wire and plastic handle, craftsman quality

- Osborn bestseller
- Ergonomically shaped handle
- For general use
- Good price/performance ratio
- Due to narrow shape it can be used when space is tight

Applications: Quick and easy cleaning work

					■ Steel, crimped / 0.30 ■	■ INOX, crimped / 0.30 ■	■ Brass, crimped / 0.30 ■
A	T	L	Rows	PU	Order no.	Order no.	Order no.
140	25	265	1	24	0008-462 291	0008-462 391	0008-462 591
					■ Brass-coated steel / 0.30 ■		
A	T	L	Rows	PU	Order no.		
140	25	265	1	24	0008-462 091		



Appearance can vary from picture depending on variant.



Hand brushes, plastic body

Superior ★ ★ ★ ★ ☆

Hand brush with plastic body, industrial quality

- Ergonomically shaped, sturdy plastic handle
- Dirt-resistant
- Best price/performance ratio

Applications: Simple rust removal and cleaning work

					■ Steel, straight / 0.35 ■	■ INOX, straight / 0.30 ■	■ Brass, crimped / 0.20 ■
A	T	L	Rows	PU	Order no.	Order no.	Order no.
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.



Hand brushes, plastic body

Superior ★★★★★

Hand brush with plastic body, industrial quality

- With particularly ergonomically shaped handle
- Rubber-coated handle makes it anti-slip
- Washable

Applications: Paint removal, rust removal, cleaning

A	T	L	Rows	PU	Steel, straight / 0.35	INOX, straight / 0.30	Brass, crimped / 0.20
					Order no.	Order no.	Order no.
110	23	270	3	5	0001-432 603	0001-432 613	0001-432 623
110	23	270	4	5	0001-432 604	0001-432 614	0001-432 624



Appearance can vary from picture depending on variant.



Brake calliper brushes, plastic body

Superior ★★★★★

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

Applications: Cleaning brake callipers



A	T	L	Rows	PU	Steel, straight / 0.35	Steel, crimped / 0.30	Brass, crimped / 0.30
					Order no.	Order no.	Order no.
95	23	245	2	10	3301-462 122	3301-462 162	3301-462 562

HAND BRUSHES

Hand brushes



Appearance can vary from picture depending on variant.



Hand brushes, wooden body

Superior ★★☆☆☆

Hand brush with wooden body, industrial quality

- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of filament materials

Applications: Paint removal, rust removal, cleaning

					Brass-coated steel, ■ straight / 0.35 ■	■ Steel, straight / 0.35 ■		
A	T	L	Rows	PU	Order no.	Order no.		
145	25	295	2	12	0001-152 022	0001-152 132		
145	25	295	3	12	0001-152 023	0001-152 133		
145	25	295	4	12	0001-152 024	0001-152 134		
145	25	295	5	12	0001-152 025	0001-152 135		
145	25	295	2	100		0001-151 132		
145	25	295	3	100		0001-151 133		
145	25	295	4	100		0001-151 134		
145	25	295	5	100		0001-151 135		
145	25	295	6	100		0001-151 136		
					■ INOX, straight / 0.35 ■	■ INOX, crimped / 0.30 ■	■ INOX VA4 straight / 0.30 ■	
A	T	L	Rows	PU	Order no.	Order no.	Order no.	
145	25	295	2	12	0001-151 332	0001-151 392	0001-152 332	
145	25	295	3	12	0001-151 333	0001-151 393	0001-152 333	
145	25	295	4	12	0001-151 334	0001-151 394	0001-152 334	
145	25	295	5	12	0001-151 335	0001-151 395	0001-152 335	
					■ Brass, straight / 0.30 ■	■ Brass, crimped / 0.30 ■		
A	T	L	Rows	PU	Order no.	Order no.		
145	25	295	2	12	0001-158 522	0001-150 592		
145	25	295	3	12	0001-158 523	0001-150 593		
145	25	295	4	12	0001-158 524	0001-150 594		
145	25	295	5	12	0001-158 525	0001-150 595		



Appearance can vary from picture depending on variant.



Hand brushes, wooden body

Superior ★★★★★

Hand brush with wooden body, industrial quality

- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of filament materials
- Stainless variant is anti-magnetic

Applications: Paint removal, rust removal, cleaning

A	T	L	Rows	PU	Steel, straight / 0.35	INOX, straight / 0.35	Brass, straight / 0.30
					Order no.	Order no.	Order no.
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.



Fillet weld brushes, wooden body

Superior ★★★★★

Fillet weld brush with wooden body, industrial quality

- Osborn bestseller
- V-shaped filament for reaching deep weld and fillet seams
- For pinpoint work
- Pin hole, so perfect for workshops

Applications: Cleaning of deep weld seams (suitable from root seams to fill layers)

A	T	L	Rows	PU	Steel, straight / 0.35	INOX, straight / 0.35
					Order no.	Order no.
145	35	295	3	12	0003-162 133	0003-162 333

HAND BRUSHES

Hand brushes



Appearance can vary from picture depending on variant.



Fine scratch brushes, wooden body

Superior ★★★★★

Fine scratch brush with wooden body, industrial quality

- Dense filament distribution
- For general use
- Flexible wires, so gentle on material

Applications: Particularly soft and filigree cleaning work, sweeping, dust removal

						■ Brass, crimped / 0.20 ■	■ Horse hair ■		
A	T	L	B	Rows	PU	Order no.	Order no.		
105	18	220	22	4	12	0003-165 584	0003-165 964		



Appearance can vary from picture depending on variant.



Spark plug brushes, wooden body

Superior ★★★★★

Spark plug brush with wooden body, industrial quality

- Perfect size for cleaning standard spark plugs

Applications: Cleaning of electrodes and contacts of spark plugs

						■ Brass, crimped / 0.25 ■			
A	T	L	B	Rows	PU	Order no.			
45	18	145	18	3	24	0003-133 573			



Appearance can vary from picture depending on variant.



Spark plug brushes, plastic body

Superior ★★★★★

Spark plug brush with plastic body, industrial quality

- Perfect size for cleaning standard spark plugs

Applications: Cleaning of electrodes and contacts of spark plugs

						■ Brass, crimped / 0.20 ■			
A	T	L	B	Rows	PU	Order no.			
33	15	180	15	3	48	0008-432 573			



Appearance can vary from picture depending on variant.

Battery terminal brushes, steel wire

Superior ★★★★★

Battery terminal brush with plastic body, industrial quality

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

Applications: Cleaning battery poles and terminals

■ Steel, crimped ■

Ø	T	L	PU	Order no.		
15/25	65	120	12	0008-493 100		



Appearance can vary from picture depending on variant.



Fitting brushes, steel wire

Superior ★★★★★

Fitting brush with plastic handle, industrial quality

- Quick and efficient cleaning
- Sturdy handle with pin hole

Applications: For the cleaning inside of pipes and solder fittings made of copper and metal

■ Steel, straight ■

Ø	A	L	PU	Order no.		
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		



Appearance can vary from picture depending on variant.



Hole cleaning brushes, crimped wire

Superior ★★★★★

Hole cleaning brush with wooden handle, industrial quality

- Sturdy wooden handle
- Many uses

Applications: 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

■ Steel / 0.30 ■

Ø	A	L	PU	Order no.		
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		

HAND BRUSHES

Block brushes

File brushes, wooden body

Superior ★★★★★



Appearance can vary from picture depending on variant.



File brush with scratch strip and wooden body, industrial quality

- Practical pin hole
- Large brush area, tightly packed with very fine bristles (scratch strip)

Applications: 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

■ Steel / 0.30 ■

A	L	B	PU	Order no.		
100	240	25	12	0003-140 101		
110	250	38	12	0003-140 102		
105	260	12	12	3303-140 101*		

*Without pin hole

Block brushes, wooden body

Superior ★★★★★



Appearance can vary from picture depending on variant.



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

Applications: Cleaning of large surfaces

■ Steel, straight / 0.35 ■

■ Steel, straight / 0.35 ■

A	T	L	B	Rows	PU	Order no.	Order no.	
190	40	205	60	5	10	0281-307 095*	7601-306 095	

*With intermediate board



Appearance can vary from picture depending on variant.



Block brushes, wooden body

Superior ★★★★★☆

Block brush with wooden body, industrial quality

- Practical pin hole
- Ergonomic working, violin shape makes it easier to manoeuvre

Applications: Cleaning of large surfaces

A	T	L	Rows	PU	■ Steel, straight / 0.35 ■	straight steel ■ Brass-coated / 0.30 ■	Flat wire ■ 0.9 x 0.35 ■
					Order no.	Order no.	Order no.
150	35	190	5	10			0023-179 197
170	35	210	5	10	0001-179 097	0001-179 297	

Weeding brush, wooden body

Superior ★★★★★☆

Weeding brush with wooden body, industrial quality

- The V-shape arrangement of the filament 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

Applications: Removal of moss and weeds from pathways and plaster surfaces, in joints and cracks



Appearance can vary from picture depending on variant.



Find the handle that is right for you under Accessories on page 140.



A	T	L	B	Rows	PU	■ Steel, straight / 0.35 ■		
						Order no.		
4	38	100	35	3	25	0001-261 173		

HAND BRUSHES

Brooms



Appearance can vary from picture depending on variant.



Broom wooden body

Superior ★★★★★

Broom with wooden body, industrial quality, diameter for broom shaft 22 mm

- Long life
- Sturdy
- Effortless cleaning

Applications: Cleaning, dust removal, sweeping

					■ Steel, straight / 0.50 ■	Steel, flat wire ■ 1.20 x 0.25 ■	
T	L	B	Rows	PU	Order no.	Order no.	
75	300	60	5	10	0001-102 095		
75	300	60	6	10	0001-102 006	0001-102 016	



Appearance can vary from picture depending on variant.



Workshop broom, wooden body

Superior ★★★★★

Workshop broom with wooden body and Korfil-D filament, 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

Applications: Cleaning of workshop floors with high level of dirt

					■ Nylon / Korfil-D ■		
T	L	B	Rows	PU	Order no.		
75	400	60	6	1	0001-104 924*		
75	700	70	7	1	9711-104 925**		

*Wooden handle with enamel finish, diameter for broom shaft 22 mm

**Find the handle holder that is right for you under Accessories on page 140.



Broom wooden body

Superior ★★★★★☆



Appearance can vary from picture depending on variant.



Broom with wooden body, industrial quality

- With handle holder, diameter 28 mm
- Particularly sturdy variant
- Easy to use
- Particularly dense bristles

Applications: Cleaning, dust removal, sweeping, suitable particularly for cleaning outside

Find the broom handle with diameter 28 mm that is right for you under Accessories on page 140.



T	L	B	Rows	PU	Cocos	Elastan red
					Order no.	Order no.
95	320	66	5	5		0004-102 925
80	290	55	5	20	0003-102 950	
80	600	55	6	6	0003-102 990	0003-102 960

HAND BRUSHES

Scrub brushes

Scrub brushes, wooden body

Superior ★★★★★

Scrub brush with wooden body, industrial quality, handle hole diameter 22 mm

- Dense, sturdy filament
- Good cleaning performance

Applications: Cleaning and scrubbing of floors and surfaces



Appearance can vary from picture depending on variant.



■ Steel, straight ■

T	L	B	Rows	PU	Order no.		
30	210	60	6	10	0001-122 096		
40	210	60	7	10	0001-120 097		

Dusters

Duster, wooden body

Superior ★★★★★

Duster with wooden body, industrial quality

- Korfil-D bristles are particularly rigid and do not bend or buckle like conventional plastic bristles
- Guarantees excellent cleaning performance
- Also cleans up the smallest dirt particles

Applications: Variant with steel wire is suitable mainly for sweeping metal swarf and similar stubborn machining residues; variant with Korfil-D for all surfaces and floors



Appearance can vary from picture depending on variant.



■ Steel, straight ■

■ Nylon / Korfil-D ■

A	T	L	B	Rows	PU	Order no.	Order no.	
150	60	310	35	4	10	0001-110 114	0181-110 924	

Flat paint brush, plastic handle

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.

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

Applications: Application of paint, lacquering and dust removal

■ Light-coloured bristles ■

T	B	Size	PU	Order no.		
40	20	9	12	0003-086 102		
40	30	9	12	0003-086 103		
40	40	9	12	0003-086 104		
43	50	9	12	0003-086 105		

Radiator paint brush, plastic handle

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.

Paint brush for radiators and corners, with plastic handle, industrial quality

- Practical pin hole
- Long handle
- Perfect shape for places difficult to access
- Non-drip working

Applications: Application of paint in places and corners that are difficult to reach

■ Light-coloured bristles ■

T	B	Inches	PU	Order no.		
42	38	1 1/2"	12	1003-086 438		
42	50.8	2"	12	1003-086 450		

HAND BRUSHES

Accessories



Handle holder, metal

For workshop broom order no. 9711-104 925

PU	Order no.		
1	0003-000 001		



Broom handle, wood

■ Wood ■

Ø	L	PU	Order no.		
28	1400	5	0003-999 027		
24	1300	5	0003-000 024		



Polishing & satin finishing

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POLISHING & SATIN FINISHING

Manual use



Metal polish

Superior ★★★★★☆

Practical all-rounder for household, trade and car

- Cleans silver, stainless steel, brass, copper, aluminium and hard plastic materials
- Either in a 1000 ml tin or practical 125 ml tube

Applications: Polish with a moist cloth or sponge, polish again and clean with a soft, clean cloth

ml	PU	Order no.
125	10	2103-002 102
1000	6	L669-002 102



Metal polishing kit

Superior ★★★★★☆

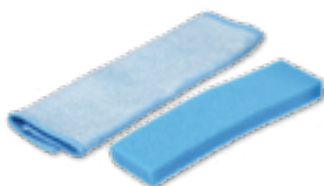
The practical kit in a PET packaging with Euro-standard hole contains a tube of metal polish (125 ml), a sponge for application and polishing, and a cloth for repeated polishing and cleaning

Applications: For polishing chrome, aluminium, silver, stainless steel, brass, copper, etc.

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



ml	PU	Order no.
125	10	1203-600 002



Sponge and cloth

Superior ★★★★★☆

Best to add to your order: A sponge for applying the StarPolish or metal polish, a soft cloth for repeated polishing. Instructions for use are on the pack itself

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



PU	Order no.
10	L979-600 002



Acrylic polish

Superior ★★★★★

Practical all-rounder for household and leisure. Glossy finish for all non-grained hard plastics, including powder coatings and enamelled surfaces. Either in a 1000 ml tin or practical 125 ml tube

Applications: Use fine sandpaper to initially sand deeper scratches, apply the polish using a moist sponge or cloth, polish, then polish again and clean using a dry, clean and soft cloth

ml	PU	Order no.
125	10	2103-002 101
1000	6	L669-002 101



Acrylic polishing kit

Superior ★★★★★

The practical kit contains a tube of Dur plastic polish (125 ml), sandpaper, a sponge for application and polishing, and a cloth for repeated polishing and cleaning.

Applications: For polishing hard, non-grained plastics, plexiglas, polyester, acrylic, etc.

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



ml	PU	Order no.
125	10	1203-600 001

How do I apply acrylic/metal polish?

Wet-sanding with sandpaper (only for acrylic), apply and rub with damp sponge, clean with soft cloth. Done!



POLISHING & SATIN FINISHING

Polishing flap discs





Polimaxx 4 – gloss

Superior ★★★★★☆

The gloss polishing flap disc for angle grinders is equipped with lamellas made of a special high-quality felt and is typically used with polishing compounds. This gives the workpiece a mirror finish

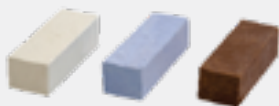
Applications: Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

Ø in mm	Ø in inches	RPM	Texture	PU	Form	Order no.	EAN 4081600
115 x 22.23	4 1/2 x 7/8	13280	Finish	10		5541-220 100	562132
125 x 22.23	5 x 7/8	12200	Finish	10		5542-220 100	562248

High-gloss polishing of metals in conjunction with polishing compounds.

Our application recommendation:

- First prepare the workpiece with POLIMAXX polishing flap discs in a 1–3 structure
- The POLIMAXX 4 gloss polishing disc is always used with an appropriate polishing compound
- Start with a pre-polishing compound (e.g. white for stainless steel or brown for non-ferrous metals)
- Then use a high-gloss polishing compound (e.g. blue) to achieve a high-gloss surface
- You should ideally use a variable-speed angle grinder. A reduced working speed of 4,500 rpm achieves better polishing results than using the angle grinder at full speed



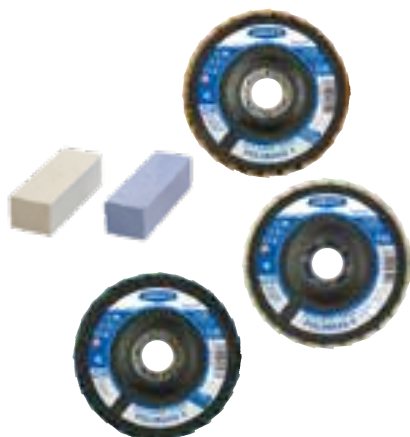
- White compound = Pre-polish for stainless steel
- Brown compound = Pre-polish for non-ferrous metals
- Blue compound = Gloss polish for stainless and non-ferrous metals



Polimaxx 1-3 (coarse, medium, fine)

Flap discs for prepolishing processes, refer to page 61.







5-part polishing kit for stainless steel finishing

Superior ★★★★★☆

- 1 x POLIMAXX 1 polishing flapped disc
- 1 x POLIMAXX 3 polishing flapped disc
- 1 x POLIMAXX 4 gloss polishing flapped disc
- 1 x blue compound (110g)
- 1 x white compound (110g)

Ø in mm	Ø in inches	RPM	Texture	PU	Form	Order no.	EAN 4081600
115 x 22.23	4 1/2 x 7/8	13280	Mixed	1		6900-040 100	706208
125 x 22.23	5 x 7/8	12200	Mixed	1		6900-041 100	706215

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

Detailed directions for use on the package.



Polishing compounds



FOR ALL THOSE OFTEN CONFRONTED WITH POLISHING WORK, OSBORN HAS A WHOLE ARRAY OF POLISHING COMPOUNDS IN ITS PRODUCT RANGE.

Osborn Classic® compounds are top-selling products from the Unipol® and Langsol® ranges. The 14 compounds attain excellent results regardless of whether you are brushing, polishing or high-gloss polishing, or want a super-finish. The products can also be applied on aluminium, stainless steel, non-ferrous metals and synthetics (refer to the application matrix below). The compounds can be used with all Osborn buffs in single and multi-step processes.

We will be glad to help if you are looking to define the right buff-compound combination for your polishing project. Talk to us!

Superior ★★★★★

Process	Colour	Type	Name	Description	Sales Qty	Order no.	Apply on				Matrix		
							Aluminium	Stainless	Non-ferrous	Plastic	fat 1=low, 10=high	cut 1=low, 10=high	gloss 1=low, 10=high
Brushing	Grey	39.038.1	B1000	Greasy, abrasive general brushing compound for deburring and satin finishing	1	L779-840 010	X	X	X		8	9	3
Polishing	Brown	7013	P1000	Cutting compound for brass, high cut and medium gloss	1	L779-007 013			X	X	4	8	4
	Brown	2,292	P2000	All-round cutting compound for lead-free brass, zinc; achieves glossy and line-free surface	1	L779-132 001	X		X		3	7	5
	White	5333	P3000	All-purpose cutting compound for stainless steel, use with sisal buffs	1	L779-005 333		X			6	8	4
	light green	2043 JF	P4000	All-purpose cutting compound for stainless steel, use with cotton buffs	1	L779-930 401		X		X	6	7	4
	Blue	466	P5000	Cut & colour compound for aluminium, stainless, brass and zinc; one-step polishing process	1	L779-000 466	X	X	X		4	6	6
	Orange	Edelgelb	P6000	Cut & colour compound for aluminium, with high fat content for line-free surface, easy degreasing	1	L779-840 130	X				4	4	6
	Dark pink	433	P7000	Cut & colour compound for aluminium, stainless steel, brass and zinc; higher gloss than P5000	1	L779-000 433	X	X	X		3	6	7
	White	G65	P8000	All-round polishing compound for lacquers and plastics	1	L779-001 385				X	3	4	6
Colouring	Beige	9216	C1000	Colouring compound for all lacquers and plastics when higher gloss required	1	L779-920 160				X	2	3	7
	Blue	462	C2000	All-round colouring compound, ideal for stainless steel	1	L779-000 462		X			2	3	8
	light pink	1003A	C3000	All-round colouring compound, ideal for aluminium, zinc and stainless steel	1	L779-191 001	X	X	X		3	3	8
Super finish	Yellow	SA 175	F1000	High end colouring compound achieves a dark shine	1	L779-000 175		X	X	X	2	2	9
	light orange	Gold easy	F2000	Top colouring compound for a deep line-free gloss	1	L779-009 510		X		X	1	1	10

1 pcs = 1,000 to 1,200 g



Polishing compounds

Superior ★ ★ ★ ★ ☆

Polishing compounds, individually packed in a polybag or as a kit of polishes in a practical PET packaging. Please note that the polishing bars have different sizes (refer to the table).

		■ White ■	■ Brown ■	■ Blue ■
Grams	PU	Order no.	Order no.	Order no.
About 110	15	2103-005 333	2103-007 012	2103-000 461



Kit of polishing compounds

In a practical PET packaging with Euro-standard hole for ideal presentation at the POS.



Grams	PU	Order no.
Approx. 3 x 50	8	7902-600 000

POLISHING & SATIN FINISHING

Variable-speed and cordless angle grinders



Sisal/cloth and notiflex folded buffs

Superior ★ ★ ★ ★ ☆

Polishing buffs made of impregnated sisal/cloth, NOTIFLEX® fleece (hard) or NOTIFLEX® fleece (soft). Diameter 100 mm with M14 thread for easy fitting on variable-speed angle grinders and cordless tools

Applications: For cutting, polishing and colouring

Recommendation: Working speed 3500 rpm, or speed 1, for angle grinders with variable speed

Appearance can vary from picture depending on variant.



In practical PET packaging with Euro-standard hole and short-form directions for use



■ Sisal/cloth ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L940-030 842

■ NOTIFLEX® fleece, hard ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L914-000 436

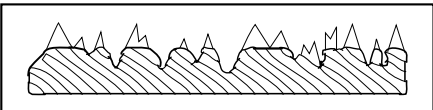
■ NOTIFLEX® fleece, soft ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L911-000 436

Directions for use:

CUTTING with sisal/cloth

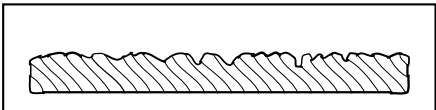
- Please use the white compound for (stainless) steel
- For brass and copper, please start at Step 2 – Polishing



Removing defects and scratches

POLISHING with NOTIFLEX® fleece, hard

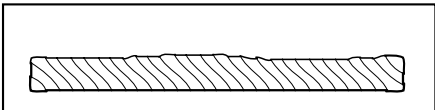
- Please use the white compound for (stainless) steel
- Please use the brown compound for brass, copper and aluminium



Removing traces of cutting and blending the surface

COLOURING with NOTIFLEX® fleece, soft

- Please use the blue compound for all materials



Achieving a high-gloss surface



Polishing kit, 6 pc.

Superior ★★★★★

Perfectly matched 6 pc. kit for cutting, polishing and colouring steel/stainless, brass, copper and aluminium. Diameter 100 mm with M14 thread for easy mounting on variable-speed angle grinders and cordless tools.

Contains:

- 1 x sisal/cloth (cutting) folded buff
- 1 x NOTIFLEX® fleece hard (polishing) folded buff
- 1 x NOTIFLEX® fleece soft (colouring) folded buff
- 1 x polishing compound white
- 1 x polishing compound brown
- 1 x polishing compound blue

Applications: For cutting, polishing and coloring

Recommendation: Working speed 3500 rpm, or speed 1, for angle grinders with variable speed

Appearance can vary from picture depending on variant.



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

Detailed directions for use on the package.



Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	6	8603-600 006

POLISHING & SATIN FINISHING

Variable-speed and cordless angle grinders



Appearance can vary from picture depending on variant.



Lipprite® folded buffs

Superior ★ ★ ★ ★ ☆

Abrasive non-woven folded buffs (medium, fine, very fine). Diameter 100 mm with M14 thread for easy mounting on variable-speed angle grinders and cordless tools.

Applications: Satinising steel, stainless and aluminium.

Recommendation: Working speed 3500 rpm, or speed 1, for angle grinders with variable speed

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

Short-form directions for use on the package



■ Abrasive non-woven medium ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L961-100 012

■ Abrasive non-woven fine ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L961-100 076

■ Abrasive non-woven very fine ■

Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	7	L960-030 577

DIRECTIONS FOR USE:

Required finish result medium

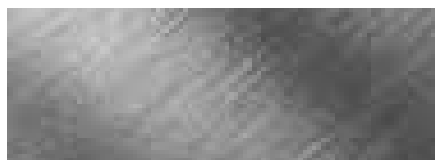
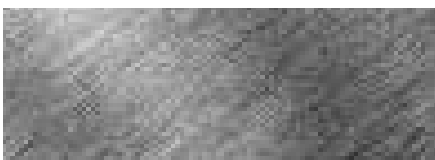
- Please use the **non-woven medium**
- No polish is required for this process

Required finish result fine

- Please use the **non-woven fine**
- No polish is required for this process

Required finish result very fine

- Please use the **non-woven very fine**
- No polish is required for this process





Appearance can vary from picture depending on variant.



Lipprite® 3-pc. satinising kit for metal

Superior ★★☆☆☆

Perfectly matched 3 pc. kit for satinising of steel/stainless and aluminium.
For easy mounting on variable speed anglegrinders and cordless power tools.

Contains:

- 1 x abrasive non-woven buff, medium
- 1 x abrasive non-woven buff, fine
- 1 x abrasive non-woven buff, very fine

Which buff attains which finish result is on page 150

Applications: Satinising steel, stainless and aluminium

Recommendation: Working speed 3500 rpm, or speed 1, for angle grinders with variable speed

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

Detailed directions for use on the package



Ø	G	min ⁻¹	PU	Order no.
100	M14	9000	6	7903-600 004

POLISHING & SATIN FINISHING

Power drills



Polishing kit for brass, plastic and lacquer

Superior ★ ★ ★ ★ ☆

Perfect kit for polishing and glossing brass, synthetics and lacquer; for use on power drills

Contains:

- 1 x felt polishing disc (for polishing)
- 1 x cloth buff (for glossing)
- 1 x clamp shaft, Ø 6 mm

It is preferable to order at the same time:

Kit of white, brown and blue polishes in practical PET pack.
Order no. 7902600000 (see page 147)

In practical PET packaging with Euro-standard hole and short-form directions for use



Ø	B	min ⁻¹	PU	Order no.
100	10	4000	8	7912-600 000



Polishing kit for (stainless) steel and aluminium

Superior ★ ★ ★ ★ ☆

Perfect kit for cutting and polishing of stainless/steel and aluminium for usage on power drills.

Contains:

- 1 x Sisal/cloth (cutting) folded buff
- 1 x Cloth (polishing) folded buff
- 1 x tapered shank, Ø 6 mm

It is preferable to order at the same time:

Kit of white, brown and blue compounds in practical PET packaging.
Order no. 7902600000 (see page 147)

In practical PET packaging with Euro-standard hole and short-form directions for use



Ø	B	min ⁻¹	PU	Order no.
100	10	4000	8	7922-600 000



Polishing kit, 6 pc.

Superior ★★★★★☆

Perfect kit for smaller polishing jobs using a power drill. Polishing with the felt disc, colouring with the folded buff. Please use polishing compound white for polishing of steel and stainless and compound brown for polishing aluminium, brass and copper. For colouring please use compound blue for all materials.

Contains:

- 1 x felt disc
- 1 x folded buff
- White compound
- Brown compound
- Blue compound
- 1 x tapered shank, Ø 6 mm

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

Short-form directions for use on the package



Ø	B	min ⁻¹	PU	Order no.
85/80	10	4000	5	1203-600 000



Polishing kit, 10 pc.

Superior ★★★★★☆

Perfectly matched 10 pc. kit for cutting, polishing and colouring of steel, stainless, brass, copper, aluminium. Diameter 100 mm with bore 10 mm for easy mounting on power drills.

Contains:

- 2 x Sisal/cloth (cutting) folded buffs
- 2 x NOTIFLEX® fleece hard (polishing) folded buffs
- 2 x NOTIFLEX® fleece soft (colouring) folded buffs
- 1 x Polishing compound white
- 1 x Polishing compound brown
- 1 x Polishing compound blue
- 1 x tapered shank, Ø 6 mm

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

Detailed directions for use on the package



Ø	B	min ⁻¹	PU	Order no.
100	10	4000	6	8603-600 010

POLISHING & SATIN FINISHING

Power drills and high-speed machines



Lipprite® satinising kit, 4 pc.

Superior ★★★★★

Perfectly tailored 4-part kit for satin finishing (stainless) steel and aluminium. Diameter 100 mm with bore 10 and tapered shank for easy fitting onto power drills.

Contains:

- 1 x non-woven abrasive buff, medium
- 1 x non-woven abrasive buff, very fine
- 1 x non-woven abrasive buff, fine
- 1 x clamp shaft, Ø 6 mm

Have a look at page 150 to find out which buff achieves which finishing result.

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

Detailed directions for use on the package



Ø	B	min ⁻¹	PU	Order no.
100	10	4000	6	8603-600 004

The tapered shank is also available separately. See page 160.



Power drills and high-speed machines



Appearance can vary from picture depending on variant.



Flap wheels

Superior ★★★★★

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

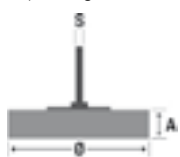
- Homogeneous pattern
- Adapt perfectly to complex contours
- Small surfaces that are difficult to access can be reached perfectly
- Can be used universally on many different materials

Applications: 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

					AO 60	AO 80	AO 120
Ø	A	Shaft	min ⁻¹	PU	Order no.	Order no.	Order no.
60	30	6	12700	10	0063-006 030	0083-006 030	0123-006 030



Appearance can vary from picture depending on variant.



Coated abrasive and non-woven combi flap wheels

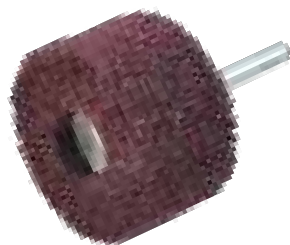
Superior ★★★★★☆

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

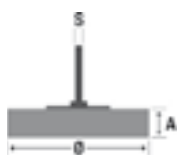
- The combination of two filament materials means minor scratches can be removed, and simultaneously the workpiece can be perfectly readied for satin finishing
- The surface pattern can be tailored to individual needs depending on cutting speed and contact pressure
- The combination of abrasive fleece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

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

Ø	A	Shaft	min ⁻¹	PU	AO 80 medium	AO 150 fine	SIC 240 fine
					Order no.	Order no.	Order no.
60	40	6	11500	10	0083-406 040	0153-406 040	1243-406 040



Appearance can vary from picture depending on variant.



Non-woven abrasive flap wheels

Superior ★★★★★☆

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

Applications: Matting, satin and final finishing

Ø	A	Shaft	min ⁻¹	PU	AO coarse	AO medium	AO fine
					Order no.	Order no.	Order no.
60	30	6	11500	10	0083-306 030	0153-306 030	0243-306 030

Good to know ...

More variants of our flap wheels start on page 96.



POLISHING & SATIN FINISHING

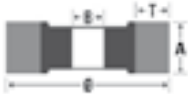
Satinising machines

Coated abrasive flap rollers

Superior ★★★★★



Appearance can vary from picture depending on variant.



Coated abrasive flap rollers, industrial quality, with bore 19 and 4 keyways

- Coated abrasive with aluminium oxide
- Generates a homogeneous surface pattern
- All rollers are supplied in neutral cardboard packaging

Applications: For pre-sanding and texturing

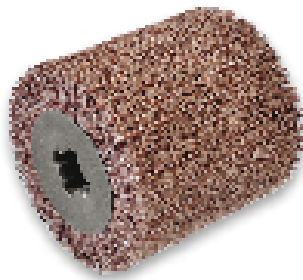
Standard items are also available in practical PET packaging with Euro-standard hole (**see the second table row**)



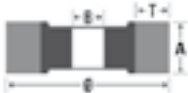
					■ Grit 40 ■	■ Grit 60 ■	■ Grit 80 ■	■ Grit 120 ■
Ø	A	B	min ⁻¹	PU	Order no.	Order no.	Order no.	Order no.
100	100	19	5000	1	0043-010 100	0063-010 100	0083-010 100	0123-010 100
100	100	19	5000	1			8203-010 100	

Coated abrasive and non-woven combi rollers

Superior ★★★★★



Appearance can vary from picture depending on variant.



Abrasive flap rollers with non-woven and abrasive cloth combined, industrial quality

- Coated abrasive with aluminium oxide
- Generates a fine surface pattern
- All rollers are supplied in neutral cardboard packaging

Applications: For preparation of a satin finishing process. Ideal for removing minor scratches

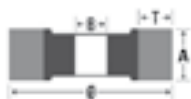
Standard items are also available in practical PET packaging with Euro-standard hole (**see the second table row**)



					■ Grit 60 / coarse ■	■ Grit 80 / medium ■	■ Grit 120 / fine ■
Ø	A	B	min ⁻¹	PU	Order no.	Order no.	Order no.
100	100	19	5000	1	0063-410 100	0083-410 100	0123-410 100
100	100	19	5000	1	8203-410 100		



Appearance can vary from picture depending on variant.



Non-woven (satin) finishing rollers

Superior ★★☆☆☆

Satin finish rollers with non-woven abrasive material, industrial quality

- Generates a satin, matted surface on all materials
- The surface pattern varies depending on the grit (from coarse to very fine)
- All rollers are supplied in neutral cardboard packaging

Applications: For creating satin finished surfaces

Standard items are also available in practical PET packaging with Euro-standard hole (**see the second table row**)



Ø	A	B	min ⁻¹	PU	Grit 80 / coarse	Grit 180 / fine	Grit 320 / very fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	0083-310 100	0183-310 100	0283-310 100
100	100	19	5000	1	8203-310 100		

POLISHING & SATIN FINISHING

Satinising machines



Sisal/cloth folded buffs

Superior ★★★★★☆

Sisal/cloth buffs are excellent cutting tools for metal surfaces such as steel and stainless steel. Surfaces are perfectly prepared for the subsequent polishing processes. The pack contains five buffs, which can be clamped together as roller on a satinising machine.

- In practical PET packaging with Euro-standard hole.
- One pack contains five sisal/cloth buffs

Ø	B	min ⁻¹	PU	Order no.
100	19/6	4000	1	2103-100 944



Cotton cloth medium soft folded buffs

Superior ★★★★★☆

Perfect tool for polishing all metal surfaces. The pack contains 10 buffs, that can be fitted easily onto satinising machines as rollers.

- In practical PET packaging with Euro-standard hole.
- One packs contains 10 polishing buffs

Ø	B	min ⁻¹	PU	Order no.
100	19/6	4000	1	2103-100 896



Cotton cloth soft folded buffs

Superior ★★★★★☆

Achieves perfect high-gloss on a variety of surfaces. Colouring normally represents the end of every polishing process. The pack contains 10 buffs, that can be fitted easily onto satinising machines as rollers.

- In practical PET packaging with Euro-standard hole.
- One packs contains 10 polishing buffs

Ø	B	min ⁻¹	PU	Order no.
100	19/6	4000	1	2103-100 643



Polishing kit for stationary machines, 3 pc.

Superior ★ ★ ★ ★ ☆

Universal folded buff kit, for use on stationary machines. In conjunction with our polishing compounds (Page 146), excellently suited to virtually all polishing and finishing applications

Contains:

- 1 x blue cotton cloth (for cutting)
- 1 x marked cotton cloth (for polishing)
- 1 x cream-coloured cotton cloth (for colouring)

It is preferable to order at the same time:

The right adapter for reducing the bore is on page 160

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



Ø	B	min ⁻¹	PU	Order no.
150	31.75	3000	1	8602-600 003
200	31.75	3000	1	8612-600 003

Note: Please select the correct bore size for the equipment available. The standard bore can be adjusted to suit the shaft.

POLISHING & SATIN FINISHING

Accessories



Interchangeable metal adapters

Refer to the following table for the bore reductions possible.
The bore is reduced with interchangeable metal adapters.

■ 3-A ■

B	PU	Order no.
12.7	1 pair	0103-075 048
16	1 pair	0103-075 316
19	1 pair	0103-075 050
20	1 pair	0103-075 320
22.2	1 pair	0103-075 051
25.4	1 pair	0103-075 325



Tapered shank

Tapered shank for power drill or ductile shaft for clamping polishing and satin finishing buffs with bore 10 mm, to diameter 100 mm.

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



Ø	S	PU	Order no.
10-35	6	4	8103-800 224



Industrial brushes

Internal finishing

- SITUFT®	162
- HELITUF®	163
- Tube brushes	164
- Novoflex	170
- Novofil	173
- Hole cleaning brushes	174
- Nozzle brushes	175
- Other brushes	176
- Accessories	177
- Parts and sample processing	178

Novotec	180
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ATB® - Advanced Technology Brush System	182
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Tungsten carbide burrs	190
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Punched brushes	198
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Appearance can vary from picture depending on variant.

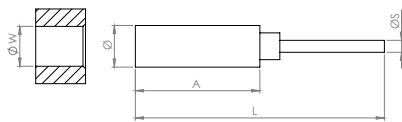
SITUFT®, crimped Osborn wire

Evolution ★★★★★

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
- Only clockwise direction possible when used without holder
- The flexibility of the brush increases with increasing brush diameter

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



W = workpiece-Ø
Ø = brush-Ø



workpiece-Ø	brush-Ø	A	L	S	PU	■ Osborn steel / 0.08 ■	■ Osborn steel / 0.13 ■	■ Osborn INOX / 0.13 ■
						Order no.	Order no.	Order no.
6.4	6.7	14	54	2.38	12	9907-035 021	9907-035 023	
8	8.4	14	54	2.38	12	9907-035 031	9907-035 032	
9.5	10	14	54	2.38	12	9907-035 041	9907-035 042	
11	11.5	14	54	2.38	12	9907-035 051	9907-035 052	
13	13.1	14	54	3.18	12	9907-035 061	9907-035 062	9907-035 197
14	14.5	16	54	3.18	12	9907-035 081	9907-035 082	
16	16.3	16	54	3.18	12	9907-035 086	9907-035 087	9907-035 205
18	19.2	16	54	3.18	12		9907-035 092	
19	20.1	16	54	3.18	12	9907-035 096	9907-035 097	9907-035 213
22	22.8	16	57	3.18	12		9907-035 107	9907-035 221
25	26	16	57	3.18	12		9907-035 117	
29	29.8	16	57	3.18	12		9907-035 127	
32	32.6	16	57	3.18	12		9907-035 137	



Appearance can vary from picture depending on variant.

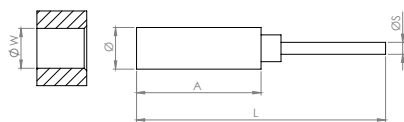
HELITUF®, crimped Osborn wire

Evolution ★★★★★

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

- The spiral-shaped filament 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

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



W = workpiece-Ø
Ø = brush-Ø



						■ Osborn steel / 0.13 ■	■ Osborn steel / 0.20 ■	
workpiece-Ø	brush-Ø	A	L	S	PU	Order no.	Order no.	
6	7.95	25	89	3.4	12	9907-036 012		
8	9.5	25	89	3.4	12	9907-036 017		
10	11	25	89	3.4	12	9907-036 022	9907-036 023	
11	12.7	25	89	3.4	12	9907-036 027		
13	14.3	25	89	3.4	12	9907-036 032	9907-036 033	
14	15.9	25	89	3.4	12	9907-036 037		
16	17.5	25	89	3.4	12	9907-036 042	9907-036 043	
18	19	25	89	3.4	12	9907-036 047		
19	20.6	25	89	3.4	12	9907-036 052	9907-036 053	
21	22.2	25	89	3.4	12	9907-036 057		
22	23.8	25	89	3.4	12	9907-036 062	9907-036 063	
24	25.4	25	89	3.4	12	9907-036 067		
25	27	25	89	3.4	12	9907-036 072	9907-036 073	
29	30.1	25	89	3.4	12	9907-036 082		
32	33.3	25	89	3.4	12		9907-036 093	

						■ Osborn INOX / 0.13 ■	■ Osborn INOX / 0.20 ■	
workpiece-Ø	brush-Ø	A	L	S	PU	Order no.	Order no.	
6	7.95	25	89	3.4	12	9907-036 139		
10	11.1	25	89	3.4	12	9907-036 147		
11	12.7	25	89	3.4	12	9907-036 151		
13	14.3	25	89	3.4	12	9907-036 155	9907-036 156	
16	17.5	25	89	3.4	12	9907-036 163	9907-036 164	
19	20.6	25	89	3.4	12		9907-036 172	
22	23.8	25	89	3.4	12	9907-036 179		
25	27	25	89	3.4	12	9907-036 187	9907-036 188	
32	33.3	25	89	3.4	12		9907-036 204	

INDUSTRIAL BRUSHES

Tube brushes



Appearance can vary from picture depending on variant.



Tube brushes, single spiral, crimped wire

Superior ★ ★ ★ ★ ☆

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 filament ensures perfect results
- Can also be used in bores with contour

Applications: Tube cleaning, deburring, paint/rust removal, cleaning

Wire handles for extending the brushes with different connection threads are on Page 177.



					■ Steel / 0.15 ■	■ Steel / 0.20 ■	
Ø	A	L	G	PU	Order no.	Order no.	
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	
					■ Steel / 0.30 ■		
Ø	A	L	G	PU	Order no.		
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.



Tube brushes, single spiral, straight wire

Superior ★★☆☆☆

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 filament ensures perfect results
- More aggressive variant

Applications: Tube cleaning, deburring, paint/rust removal, cleaning

Wire handles for extending the brushes with different connection threads are on Page 177.



■ Steel / 0.35 ■

Ø	A	L	G	PU	Order no.		
63	100	160	1/2" BSW	5	0002-808 163		
75	100	160	1/2" BSW	5	0002-808 175		
100	100	160	1/2" BSW	5	0002-808 100		

INDUSTRIAL BRUSHES

Tube brushes



Appearance can vary from picture depending on variant.



Tube brushes, double spiral, straight wire

Superior ★ ★ ★ ★ ☆

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

- High filament 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

Applications: Tube cleaning, deburring, paint/rust removal, cleaning

Wire handles for extending the brushes with different connection threads are on Page 177.



■ Steel / 0.30 ■

Ø	A	L	G	PU	Order no.		
25	100	160	1/2" BSW	5	0003-810 125		
28	100	160	1/2" BSW	5	0003-810 128		
30	100	160	1/2" BSW	5	0003-810 130		
32	100	160	1/2" BSW	5	0003-810 132		
38	100	160	1/2" BSW	5	0003-810 138		
40	100	160	1/2" BSW	5	0003-810 140		
44	100	160	1/2" BSW	5	0003-810 144		
50	100	160	1/2" BSW	5	0003-810 150		
57	100	160	1/2" BSW	5	0003-810 157		
63	100	160	1/2" BSW	5	0003-810 163		
69	100	160	1/2" BSW	5	0003-810 169		
75	100	160	1/2" BSW	5	0003-810 175		
82	100	160	1/2" BSW	5	0003-810 182		
101	100	160	1/2" BSW	5	0003-810 100		

Micro-abrasive tube brushes, abrasive filament

Superior ★★☆☆☆

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

- High levels of flexibility and abrasion resistance
- 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

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



Appearance can vary from picture depending on variant.



Ø	A	L	S	PU	Abr. bristle / NHS 1000	Abr. bristle / NHA 600	
					Order no.	Order no.	
0.7	12	100	0.42	12	0003-056 400		
1.2	12	100	0.47	12	0003-056 403		
1.9	18	100	0.74	12	0003-056 406		
2.2	18	100	0.93	12	0003-056 409		
2.6	25	100	1.08	12	0003-056 412		
3.2	25	100	1.66	12	0003-056 415		
3.5	25	100	1.66	12	0003-056 418		
4.2	25	125	2.20	12		0003-056 425	
4.8	25	125	2.20	12		0003-056 427	
5.5	25	125	2.20	12		0003-056 428	
6.6	25	125	3.00	12		0003-056 429	
8.2	25	125	3.00	12		0003-056 432	
9.8	25	125	3.40	12		0003-056 435	
11.5	25	125	3.40	12		0003-056 436	
13	25	125	4.20	12		0003-056 438	
16	25	125	4.20	12		0003-056 441	
17.5	25	125	4.20	12		0003-056 442	
19.4	25	125	5.60	12		0003-056 444	
22.6	25	125	5.60	12		0003-056 447	
25.8	25	125	6.20	12		0003-056 450	



INDUSTRIAL BRUSHES

Tube brushes



Appearance can vary from picture depending on variant.



Tube brushes, abrasive filament

Superior ★ ★ ★ ★ ☆

Tube brushes with abrasive filament, 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 high-tech CNC machines and machining centres

Applications: Deburring of cross holes, control units, O-ring grooves and cylindrical bores

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

Ø	A	L	PU	■ Novofil 80 ■	■ Novofil 120 ■	■ Novofil 320 ■
				Order no.	Order no.	Order no.
6	50	125	12		0003-056 306	0003-056 326
8	50	125	12		0003-056 308	0003-056 328
10	50	125	12		0003-056 310	0003-056 330
13	50	125	12	0002-056 011	0002-056 311	0002-056 331
16	50	125	12	0002-056 012	0002-056 312	0002-056 332
19	65	125	12	0002-056 013	0002-056 313	0002-056 333
22	65	125	12	0002-056 014	0002-056 314	0002-056 334
25	65	125	12	0002-056 015	0002-056 315	0002-056 335
32	65	125	12	0002-056 016	0002-056 316	0002-056 336
38	65	125	12	0002-056 017	0002-056 317	0002-056 337
50	65	125	12	0002-056 018	0002-056 318	0002-056 338

Tube brushes, nylon-diamond

Superior ★★★★★



Appearance can vary from picture depending on variant.



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

- During use, a surface already prepared continues to be smoothed, creating a positive effect for subsequent use
- Flexible filament straightens itself when subject to high loading and deformation, and prevents material breaks
- The high-tech bristles can generate a very homogeneous pattern
- Galvanised wire stabilised with brass sheath pressed onto the shaft
- High flexibility yet high performance
- Simple placing into drill and collet chucks

Applications: 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

Recommendation: The brush diameter should exceed that of the bore by 10 to 15%.

Ø	A	L	S	PU	Nylon / grit 400	Nylon / grit 800	
					Order no.	Order no.	
2.5	20	100	1	2	0018-852 002		
3	20	100	1.5	2	0008-852 003*		
3.5	20	100	1.5	2	0018-852 003*		
4	20	115	3	2	0008-852 004		
5	20	115	3	2	0008-852 005	0008-852 805	
6	20	115	3	2	0008-852 006	0008-852 806	
8	20	115	3	2	0008-852 008	0008-852 808	
10	20	115	4	2	0008-852 010	0008-852 810	
12	20	115	6	2	0008-852 012	0008-852 812	

*Without brass sheath

Honing tool Novoflex-B®, abrasive filament

Superior ★★☆☆☆

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.

Applications: 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

Recommendation: 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.



Appearance can vary from picture depending on variant.



W = workpiece-Ø
Ø = brush-Ø



workpiece-Ø	brush-Ø	A	L	S	PU	Abr. / grit ZK 80		Abr. / grit SIC 120		Abr. / grit SIC 180	
						Order no.		Order no.		Order no.	
5	5,5	40	200	2,1	1					9928-036 305	
6,5	7	40	200	2,5	1					9928-036 307	
7	8	50	200	3,2	1			9818-036 308			
7	8	50	200	3,6	1					9828-036 308	
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	3,2	1	9808-036 512					
11	12	60	200	3,6	1			9818-036 312		9828-036 312	
12	13	60	200	3,6	1	9808-036 513		9818-036 313		9828-036 313	
13	14	60	200	3,6	1	9808-036 514					
14	15,5	60	200	3,6	1	9808-036 515		9818-036 316		9828-036 316	
15	16	60	200	4	1	980-8036 516					
15,5	17	60	200	4	1	9808-036 517					
16	18	60	200	4	1	9808-036 518					
16	18	60	200	4,6	1			9818-036 318		9828-036 318	
17	19	60	200	4	1	9808-036 519					
18	20	60	200	4	1	9808-036 520					
18	20	60	200	4,6	1			9818-036 320		9828-036 320	
19	21	60	200	4,5	1	9808-036 521					
20	22	70	200	4,5	1	9808-036 522					
20	22	70	200	4,6	1			9818-036 322		9828-036 322	
21	23	70	200	4,5	1	9808-036 523					
21,5	24	70	200	4,5	1	9808-036 524					

						■ Abr. / grit ZK 80 ■	■ Abr. / grit SIC 120 ■	■ Abr. / grit SIC 180 ■
workpiece-Ø	brush-Ø	A	L	S	PU	Order no.	Order no.	Order no.
22	25	70	200	5	1	9808-036 525		
22	25	70	200	4,6	1		9818-036 325	9828-036 325
23	26	70	200	5	1	9808-036 526		
24	27	70	200	5	1	9808-036 527		
24	27	70	200	5,1	1		9818-036 327	9828-036 327
25	28	70	200	5,4	1	9808-036 528		
25	28	70	200	5,1	1		9818-036 328	9828-036 328
26	29	70	200	5,4	1	9808-036 529		
27	30	70	200	5,4	1	9808-036 530		
27	30	70	200	5,1	1		9818-036 330	9828-036 330
29	32	70	200	5,4	1	9808-036 532		
29	32	70	200	5,1	1		9818-036 332	9828-036 332
32	35	70	200	5,7	1	9808-036 535	9818-036 335	9828-036 335
35	38	70	200	5,7	1	9808-036 538	9818-036 338	9828-036 338
36,5	40	70	200	5,7	1	9808-036 540		
38	41	70	200	5,7	1	9808-036 541	9818-036 341	9828-036 341
41	45	70	200	5,7	1	9808-036 545	9818-036 345	9828-036 345
45	48	70	200	6,5	1	9808-036 548		
45	48	70	200	5,7	1		9818-036 348	9828-036 348
47	50	70	200	6,5	1	9808-036 550		
48	51	70	200	6,5	1	9808-036 551	9818-036 351	9828-036 351
51	54	70	200	6,5	1	9808-036 554	9818-036 354	9828-036 354
54	57	70	200	6,5	1	9808-036 557	9818-036 357	9828-036 357
57	60	70	200	7,2	1	9808-036 560		
57	60	70	200	7,3	1		9818-036 360	9828-036 360
60	64	70	200	7,3	1		9818-036 364	9828-036 364

						■ Abr. / grit SIC 320 ■		
workpiece-Ø	brush-Ø	A	L	S	PU	Order no.		
4	5	40	200	1,8	1	9848-036 305		
5	5,5	40	200	1,8	1	9748-036 305		
5,5	6	40	200	1,8	1	9848-036 306		
6	6,5	40	200	2,5	1	9748-036 306		
6,5	7	40	200	2,5	1	9748-036 307		
7	8	50	200	2,8	1	9848-036 308		
8	9	50	200	2,8	1	9748-036 308		
9	10	50	200	3,2	1	9848-036 310		
10	11	60	200	3,2	1	9848-036 311		
11	12	60	200	3,2	1	9748-036 312		
12	13	60	200	3,6	1	9848-036 313		
13	14	60	200	3,6	1	9848-036 314		
14	15,5	60	200	3,6	1	9848-036 315		
15	16	60	200	4	1	9848-036 316		
15,5	17	60	200	4	1	9848-036 317		

INDUSTRIAL BRUSHES

Novoflex

						■ Abr. / grit SIC 320 ■		
W	Ø	A	L	S	PU	Order no.		
16	18	60	200	4	1	9848-036 318		
17	19	60	200	4	1	9848-036 319		
18	20	60	200	4	1	9748-036 320		
19	21	60	200	4,5	1	9848-036 321		
20	22	70	200	4,5	1	9848-036 322		
21	23	70	200	4,5	1	9848-036 323		
21,5	24	70	200	4,5	1	9848-036 324		
22	25	70	200	5	1	9848-036 325		
23	26	70	200	5	1	9848-036 326		
24	27	70	200	5	1	9848-036 327		
25	28	70	200	5,4	1	9848-036 328		
26	29	70	200	5,4	1	9848-036 329		
27	30	70	200	5,4	1	9848-036 330		
29	32	70	200	5,4	1	9848-036 332		
32	35	70	200	5,7	1	9848-036 335		
35	38	70	200	5,7	1	9848-036 338		
36,5	40	70	200	5,7	1	9848-036 340		
38	41	70	200	5,7	1	9848-036 341		
41	45	70	200	5,7	1	9848-036 345		
45	48	70	200	6,5	1	9848-036 348		
47	50	70	200	6,5	1	9848-036 350		
48	51	70	200	6,5	1	9848-036 351		
51	54	70	200	6,5	1	9848-036 354		
54	57	70	200	6,5	1	9848-036 357		
57	60	70	200	7,2	1	9848-036 360		



Appearance can vary from picture depending on variant.



Novoflex-H®, Novofil®-WF Filament

Evolution ★★★★★

Filament material secured in spiral shape in 2-fold wire core

- Very dense filament
- Very good surface qualities
- Long service life
- The special flat bristles ensure a high contact area with the component worked on

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

Recommendation: The brush diameter should exceed that of the hole by 10 to 15%. Please use oscillating.

■ Abr. bristle / grit 120 ■

Ø	A	L	S	PU	Order no.		
56	50	125	6.35	2	9907-036 486		
63	89	160	9.53	2	9907-036 308		
76	102	160	9.53	2	9907-036 310		
89	102	160	9.53	2	9907-036 312		
102	102	160	9.53	2	9907-036 314		
115	102	152	9.53	2	9907-036 316		

INDUSTRIAL BRUSHES

Hole cleaning brushes



Appearance can vary from picture depending on variant.



Hole cleaning brushes, crimped wire

Superior ★★★★★

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

- For manual use
- With comfortable wooden handle

Applications: To clean the insides of steel, wood and synthetic materials.
Removal of chips/swarf and loose particles, and paint and lacquer residues

■ Steel / 0.20 ■

Ø	A	L	PU	Order no.		
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.



Nozzle cleaning brushes, wire/nylon

Superior ★★★★★

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

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

Applications: Cleaning, dust removal, deburring, ideal for cleaning nozzles, sockets, hoses, pipes, etc.

				■ Steel, crimped ■	■ Brass, crimped ■	■ INOX, crimped ■
Ø	A	L	PU	Order no.	Order no.	Order no.
4	100	300	20		0003-816 504	0003-816 304
4	100	300	20	0003-816 204		
5	100	300	20		0003-816 505	0003-816 305
5	100	300	20	0003-816 205		
6	100	300	20	0003-816 206	0003-816 506	0003-816 306
8	100	300	20			0003-816 308
8	100	300	20	0003-816 208	0003-816 508	
10	100	300	20		0003-816 510	
10	100	300	20	0003-816 210		0003-816 310
12	100	300	20	0003-816 212		0003-816 312
12	100	300	20		0003-816 512	
15	100	300	20	0002-816 215	0002-816 515	0002-816 315
18	100	300	20	0002-816 218	0002-816 518	0002-816 318
20	100	300	20	0002-816 220	0002-816 520	0002-816 320
25	100	300	20	0002-816 225	0002-816 525	0002-816 325
				■ Nylon ■		
Ø	A	L	PU	Order no.		
4	100	300	20	0003-816 804		
5	100	300	20	0003-816 805		
6	100	300	20	0003-816 806		
8	100	300	20	0003-816 808		
10	100	300	20	0003-816 810		
12	100	300	20	0003-816 812		
15	100	300	20	0003-816 815		
18	100	300	20	0003-816 818		
20	100	300	20	0003-816 820		
25	100	300	20	0003-816 825		

INDUSTRIAL BRUSHES

Other brushes



Appearance can vary from picture depending on variant.

Battery terminal brushes, steel wire

Superior ★★★★★

Battery terminal brush with plastic body, industrial quality

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

Applications: Cleaning battery poles and terminals

■ Steel, crimped ■

Ø	T	L	PU	Order no.		
15/25	65	120	12	0008-493 100		



Appearance can vary from picture depending on variant.



Fitting brushes, steel wire

Superior ★★★★★

Fitting brush with plastic handle, industrial quality

- Quick and efficient cleaning
- Sturdy handle with pin hole

Applications: For the cleaning inside of pipes and solder fittings made of copper and metal

■ Steel, straight ■

Ø	A	L	PU	Order no.		
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		



Stove pipe cleaner, crimped wire

Superior ★★★★★

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

- The bendy wire is excellent at cleaning bends in pipes

Applications: For cleaning stove pipes and boilers

■ Steel / 0.30 ■

Ø	A	L	PU	Order no.		
125	120	3000	10	0002-825 213		
140	120	3000	10	0002-825 214		
160	120	3000	10	0002-825 216		



Wire handle

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

- Sturdy
- Ductile
- Can also be inserted into moulded bores

■ Steel ■

G	L	PU	Order no.		
1/2" BSW	1000	10	0002-819 110		
M 6	1000	10	1132-819 110		

Parts and sample 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 will work with you to determine the ideal tools for machining your sample parts. Depending on the task at hand, this may involve a standard product or a custom-made tool. We then agree on the parameters that are most important for you when machining the workpiece. After we have received the sample parts from you and, if necessary, the current tools to be tested, we get to work in our test laboratory.

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.



Even complex workpiece geometries are no obstacle. 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.

Request our parts and sample processing service today: service@osborn.de





Brush technology industrial

Novotech wheel brushes

180



Appearance can vary from picture depending on variant.



Novotec diamond wheel brushes

Superior ★ ★ ★ ★ ☆

For the cutting edge preparation of carbide tools. Individual disc brushes wound around a steel flange and with very narrow working widths. The cutting speed is about 15 m/s (oscillating).

Filament material

The hardest abrasive medium is used as the abrasive grain here - diamond. This guarantees high cutting performance yet at the same time prolongs brush life.

Filament geometry

Round bristles

Applications

Ceramics

For homogenising the cutting geometries of ceramic reversing plates and for deburring turbo rotors.

Carbide tools

- Carbide drill bits
- Milling tools
- Circular saws
- Reversing plates

The cutting geometries are homogenised here and provided defined cutting edge roundness. This broadly prevents the cutting edge from breaking when used later at high cutting speeds and feed rates.



Ø	A	B	RPM	PU	■ Grit 400 ■	■ Grit 600 ■	■ Grit 800 ■
					Order no.	Order no.	Order no.
150	4	20	2800	1	4001-901 924	6001-901 924	8001-901 924
150	8	20	2800	1	4001-902 924	6001-902 924	8001-902 924
200	4	20	1400	1	4001-901 926	6001-901 926	8001- 901 926
200	8	20	1400	1	4001-902 926	6001-902 926	8001- 902 926

A close-up photograph of an industrial brush system being used on a metal part. The brush is a cylindrical, multi-colored (red and black) rotating tool mounted on a metal shaft. It is positioned over a complex, perforated metal component. The background is blurred, showing other industrial parts. The entire image has a blue color overlay.

Brush technology industrial

ATB® – Advanced
Technology Brush System

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.

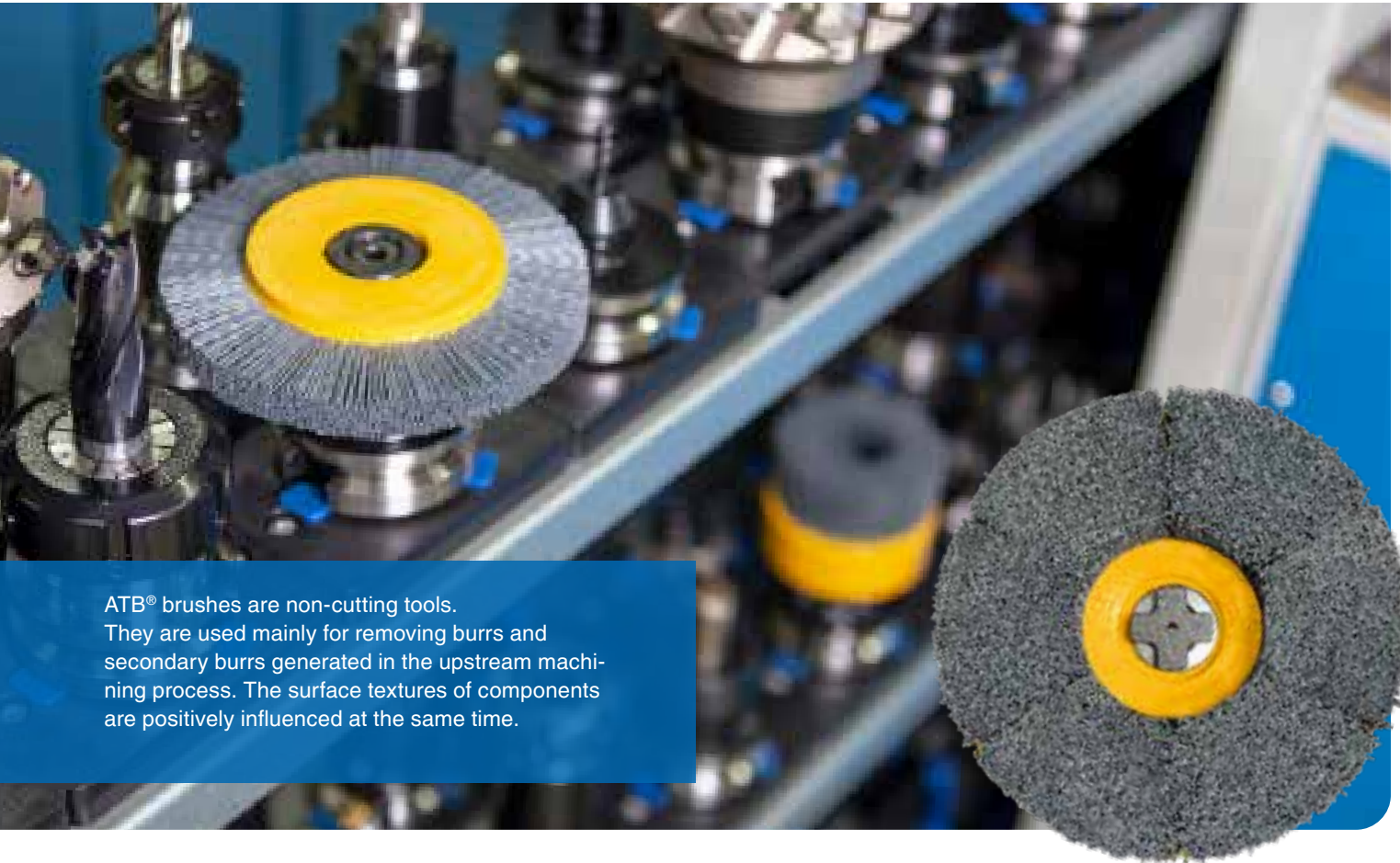
Brushes are deployed downstream of the machining process, and the use of cooling lubricants, emulsions and water poses no problems. This means the machined work pieces can be directly deburred and finished in a reliable and reproducible manner without reclamping on the machine.



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.



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, nipples 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



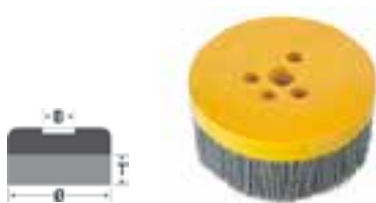
ATB® brushes with maximum fill density, compatible with clamping fixture

Evolution ★★★★★

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

Appearance can vary from picture depending on variant.

					■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■	■ NHS 320 ■
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	16 (hexagonal)	K = Fixture with shank	1	6701-604 912	5411-604 912	5431-604 912	5441-604 912
76	35	16 (hexagonal)	L = Fixture with shank	1	3111-604 913	9841-604 913	3311-604 913	3151-604 913
85	35	16 (hexagonal)	J = Fixture with shank	1	6201-604 914	1601-604 914	2211-604 914	6231-604 914
106	35	16 (hexagonal)	H = Fixture with shank	1	3101-604 914	3221-604 914	3321-604 914	3401-604 914
					■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■	■ NHC 320 ■
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
50	35	16 (hexagonal)	K = Fixture with shank	1	2201-604912	1301-604912	1311-604912	1321-604912
76	35	16 (hexagonal)	L = Fixture with shank	1	1321-604913	1331-604913	1351-604913	1361-604913
85	35	16 (hexagonal)	J = Fixture with shank	1	1341-604914	1351-604914	1361-604914	1371-604914
106	35	16 (hexagonal)	H = Fixture with shank	1	5891-604914	9901-604914	4411-604914	1381-604914



ATB® brushes with maximum fill density, for tool holders

Evolution ★★★★★

For the deburring of contact and sealing surfaces, and the functional areas of the most diverse of components. They should be used on stationary machines. Usage with cooling lubricant, water or oil is recommended.

Appearance can vary from picture depending on variant.

					■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■	■ NHS 320 ■
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
125	40	18 + Driving hole	C = Fixture for HSK/SK	1	3101-604 916	3201-604 916	3311-604 916	3401-604 916
150	40	18 + Driving hole	D = Fixture for HSK/SK	1	3111-604 916	3211-604 916	4341-604 916	3411-604 916
175	40	18 + Driving hole	E = Fixture for HSK/SK	1	3131-604 916	3231-604 916		
200	40	18 + Driving hole	F = Fixture for HSK/SK	1	8411-604 918	4021-604 918	5901-604 918	
250	38	18 + Driving hole	G = Fixture for HSK/SK	1	6511-604 919	6171-604 916	2401-604 919	
					■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■	■ NHC 320 ■
Ø	T	B	For clamping fixture	PU	Order no.	Order no.	Order no.	Order no.
125	40	18 + Driving hole	C = Fixture for HSK/SK	1	0101-604916	0201-604916	0311-604916	0401-604916
150	40	18 + Driving hole	D = Fixture for HSK/SK	1	0111-604916	0211-604916	0341-604916	0411-604916
175	40	18 + Driving hole	E = Fixture for HSK/SK	1	0131-604916	0231-604916		
200	40	18 + Driving hole	F = Fixture for HSK/SK	1	1611-604918	0021-604918	0901-604918	
250	38	18 + Driving hole	G = Fixture for HSK/SK	1		8771-604919		



Clamping fixtures for ATB® disc brushes

Appearance can vary from picture depending on variant.

		INDEX K / Ø 50 mm	INDEX L / Ø 76 mm	INDEX L / Ø 85 mm	INDEX L / Ø 106 mm	
Clamping fixture	PU	Order no.	Order no.	Order no.	Order no.	Order no.
With shank (Ø 12 mm) and clamping DIN 6535-HB	1	5002-075 000	3642-075 000	9602-075 000	3652-075 000	
		INDEX C / Ø 125 mm	INDEX D / Ø 150 mm	INDEX E / Ø 175 mm	INDEX F / Ø 200 mm	INDEX G / Ø 250 mm
Clamping fixture	PU	Order no.	Order no.	Order no.	Order no.	Order no.
For including on clamping cones HSK/SK tool holder	1	3602-075 000	3612-075 000	3622-075 000	3692-075 000	1922-075 000



Tool holders

Appearance can vary from picture depending on variant.

Tool holders	for INDEX	PU	Order no.
HSK – A63, to DIN 69893	C, D, E, F, G	1	3603-604 000
HSK – A100 to DIN 69893	C, D, E, F, G	1	3633-604 000
SK – 40 to DIN 69871	C, D, E, F, G	1	3613-604 000
Weldon surface with shank 12 mm diameter, HSK - A63 to DIN 69893	H, J, K, L	1	4933-604 000
Weldon surface with shank 12 mm diameter, HSK - A100 to DIN 69893	H, J, K, L,	1	6303-604 000



Appearance can vary from picture depending on variant.

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

Evolution ★★★★★

For the deburring of contact and sealing surfaces, and the functional areas of the most diverse of components. They should be used on stationary machines. Usage with cooling lubricant, water or oil is recommended. For direct mounting on shell mill holders without need of further clamp set / system.

					■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.
50	35	Ø 16 with groove	Direct to shell mill holder	1	6601-604 912	6501-604 912	6401-604 912
76	35	Ø 22 with groove	Direct to shell mill holder	1	5521-604 913	5511-604 913	5501-604 913
106	35	Ø 22 with groove	Direct to shell mill holder	1	5501-604 914	5791-604 914	5521-604 914
125	35	Ø 22 with groove	Direct to shell mill holder	1	6721-604 916	6821-604 916	6621-604 916
125	35	Ø 27 with groove	Direct to shell mill holder	1	6761-604 916	6811-604 916	6641-604 916
150	35	Ø 22 with groove	Direct to shell mill holder	1	6771-604 916	6841-604 916	6651-604 916
					■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.
50	35	Ø 16 with groove	Direct to shell mill holder	1	1421-604912	1431-604912	1441-604912
76	35	Ø 22 with groove	Direct to shell mill holder	1	1451-604913	5991-604914	1461-604913
106	35	Ø 22 with groove	Direct to shell mill holder	1	1421-604914	1431-604914	1441-604914
125	35	Ø 22 with groove	Direct to shell mill holder	1	2431-604916	2441-604916	2451-604916
125	35	Ø 27 with groove	Direct to shell mill holder	1	6991-604916	2461-604916	2471-604916
150	35	Ø 22 with groove	Direct to shell mill holder	1	1061-604916	1071-604916	1091-604916



ATB® brushes with maximum fill density, Turbo-line

Evolution ★★★★★

Brushes for use on continuous deburring systems with planetary heads. They are used for flat parts that need to be produced and deburred using a punching, laser, fine blanking or forming method for example.

The filament 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.

Appearance can vary from picture depending on variant.



					■ NHS 80 ■	■ NHS 120 ■	■ NHS 180 ■	■ NHS 320 ■
Ø	T	B	For mounting	PU	Order no.	Order no.	Order no.	Order no.
150	25	Ø 25/35 + 2 Driving holes	TURBO – NEUTRAL	1	3141-604 916	3241-604 916	3351-604 916	3441-604 916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled RIGHT	1	3181-604 916	3281-604 916	3391-604 916	3481-604 916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled LEFT	1	3161-604 916	3261-604 916	3371-604916	3461-604916
					■ NHC 80 ■	■ NHC 120 ■	■ NHC 180 ■	■ NHC 320 ■
Ø	T	B	For mounting	PU	Order no.	Order no.	Order no.	Order no.
150	25	Ø 25/35 + 2 Driving holes	TURBO – NEUTRAL	1	0141-604916	0241-604916	0351-604916	0441-604916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled RIGHT	1	0181-604916	0281-604916	0391-604916	0481-604916
150	25	Ø 25/35 + 2 Driving holes	TURBO – angled LEFT	1	0161-604916	2191-604916		

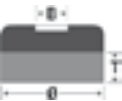
Our ATB® brushes are also available in many other designs. Our application engineers will be happy to advise you: service@osborn.de



ATB® brushes



Appearance can vary from picture depending on variant.



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

Evolution ★★★★★

ATB® round brush with very dense abrasive nylon bristle trim and high concentricity for process-reliable use and long service life. tool life. With longitudinal groove for direct clamping on tool holders (e.g. HSK, SK, BT) as cutter head holders and combi milling arbor holders.

Depending on the material of the component to be machined, the brush can be selected with ceramic grit (NH-C) or silicon carbide grit (NH-S). Please ask our application technicians about this.

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.

					■ NHC 120 ■	■ NHC 180 ■	■ NHS 120 ■	■ NHS 180 ■
Ø	T	B	For fixture	PU	Order no.	Order no.	Order no.	Order no.
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1	2111401913			
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1		2121401913		
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1			2101401913	
125	25	Ø 22 with NUT	Cutter head / combi bevel mandrel	1				8401401913





Brush technology industrial

Tungsten carbide burrs

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Tungsten carbide burrs, Z6 cut

Superior ★★☆☆☆

Tungsten carbide burrs with Z6 cut offer high material removal and are suitable for universal use on the most important industrial materials.

For processing of: stainless steel, steel, non-ferrous metal, cast iron

Recommended application speed (RPM)

	soft material		hard material	
	<ul style="list-style-type: none">unalloyed steelcast steelcast iron		<ul style="list-style-type: none">alloy steeltool steelrust and acid resistant steel	
	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





Z6

SHIPYARD



More Power?

With our special cut Shipyard, you get a 30 % increase in stock removal thanks to the optimised cutting angle. Available on all head shapes.

Please contact us:
Phone: + 44 1291643200

Recommendations

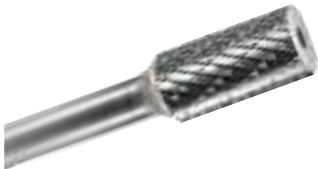
Problem	Solution
Tool impact/rattle	<ul style="list-style-type: none"> • Increase clamping length (min. 2/3 of shank length) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference) • Clamp workpiece with less projection
Discolouration of the tool in the transition from milling head to shank	<ul style="list-style-type: none"> • Reduce speed (see RPM) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference)
Head detaches from the shank	
Problems with broken teeth and premature wear	<ul style="list-style-type: none"> • Avoid impact loads • Increase clamping length (min. 2/3 of shank length) • Reduce contact pressure • Reduce surface contact (max. 1/3 of head circumference) • Clamp workpiece with less projection

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:
Phone: + 44 1291643200





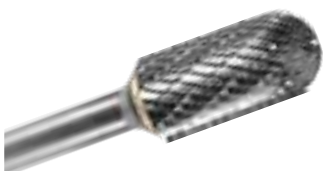
Cylindrical shape (ZYA)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0013-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0003-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0013-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0063-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0013-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0003-080 043



Cylindrical shape, end cuts (ZYA-S)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0023-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0023-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0033-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0003-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0023-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0013-080 043



Round cylindrical shape (WRC)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0033-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0043-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0053-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0013-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0033-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0023-080 043



Spherical shape (KUD)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	05	06	50	Z6	1	25.000 - 40.000	0043-080 050
08	6,5	06	51	Z6	1	20.000 - 30.000	0003-080 051
10	09	06	54	Z6	1	15.000 - 25.000	0003-080 054
12	11	06	54	Z6	1	12.000 - 18.000	0013-080 054
16	14	06	59	Z6	1	9.000 - 13.000	0003-080 059
03	2,8	03	40	Z6	1	45.000 - 70.000	0043-080 040
06	05	03	39	Z6	1	25.000 - 40.000	0003-080 039



Oval shape (TRE)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0053-0800 50
08	13	06	58	Z6	1	20.000 - 30.000	0003-080 058
9,5	16	06	61	Z6	1	15.000 - 28.000	0003-080 061
12,7	22	06	67	Z6	1	12.000 - 18.000	0003-080 067
03	07	03	40	Z6	1	45.000 - 70.000	0053-080 040
06	10	03	40	Z6	1	25.000 - 40.000	0063-080 040



Flame shape (FLF)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	18	06	50	Z6	1	25.000 - 40.000	0063-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0063-080 065
10	25	06	70	Z6	1	15.000 - 25.000	0023-080 070
12,7	32	06	77	Z6	1	12.000 - 18.000	0003-080 077
03	08	03	40	Z6	1	45.000 - 70.000	0073-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0033-080 043



Tree shape (SPG)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0083-080 050
08	18	06	63	Z6	1	20.000 - 30.000	0003-080 063
10	20	06	65	Z6	1	15.000 - 25.000	0093-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0043-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0093-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0053-080 043



Round tree shape (RBF)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0073-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0073-080 065
10	20	06	65	Z6	1	15.000 - 25.000	0083-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0033-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0083-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0043-080 043



Round conical shape (KEL)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0103-080 050
08	20	06	65	Z6	1	20.000 - 30.000	0113-080 065
10	30	06	75	Z6	1	15.000 - 25.000	0003-080 075
12,7	32	06	77	Z6	1	12.000 - 18.000	0013-080 077
03	13	03	40	Z6	1	45.000 - 70.000	0113-080 040



Conical shape (SKM)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
06	16	06	50	Z6	1	25.000 - 40.000	0093-080 050
10	20	06	65	Z6	1	15.000 - 25.000	0103-080 065
12,7	25	06	70	Z6	1	12.000 - 18.000	0053-080 070
03	13	03	40	Z6	1	45.000 - 70.000	0103-080 040
06	13	03	43	Z6	1	25.000 - 40.000	0063-080 043



Tip shape, angle 60° (KSJ)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	13	06	58	Z6	1	15.000 - 25.000	0013-080 058



Tip shape, angle 90° (KSK)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	08	06	55	Z6	1	15.000 - 25.000	0003-080 055



Cup shape (WKN)

KD	KL	SD	GL	KVZ	PU	RPM	Order no.
10	13	06	58	Z6	1	15.000 - 25.000	0023-080 058



Tungsten carbide burrs set, Z6 cut

Superior ★★☆☆☆

The best in one set: carbide cutters set consisting of our five most popular cutter shapes, of course with the Z6 cross serration. They offer high material removal and are suitable for universal use on the most important industrially used materials.

For processing of: stainless steel, steel, non-ferrous metal, cast iron

Typ	Order no. Single Article	KD	KL	SD	GL	KVZ	PU	RPM	Order no.
RBF	0033-080 070	12,7	25	06	70	Z6	1	12.000 - 18.000	0013-080 000
WRC	0033-080 050	06	16	06	50	Z6	1	25.000 - 40.000	
WRC	0053-080 065	10	20	06	65	Z6	1	15.000 - 25.000	
KUD	0003-080 054	10	09	06	54	Z6	1	15.000 - 25.000	
ZYA	0003-080 065	08	20	06	65	Z6	1	20.000 - 30.000	





Brush technology industrial

Punched brushes

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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.

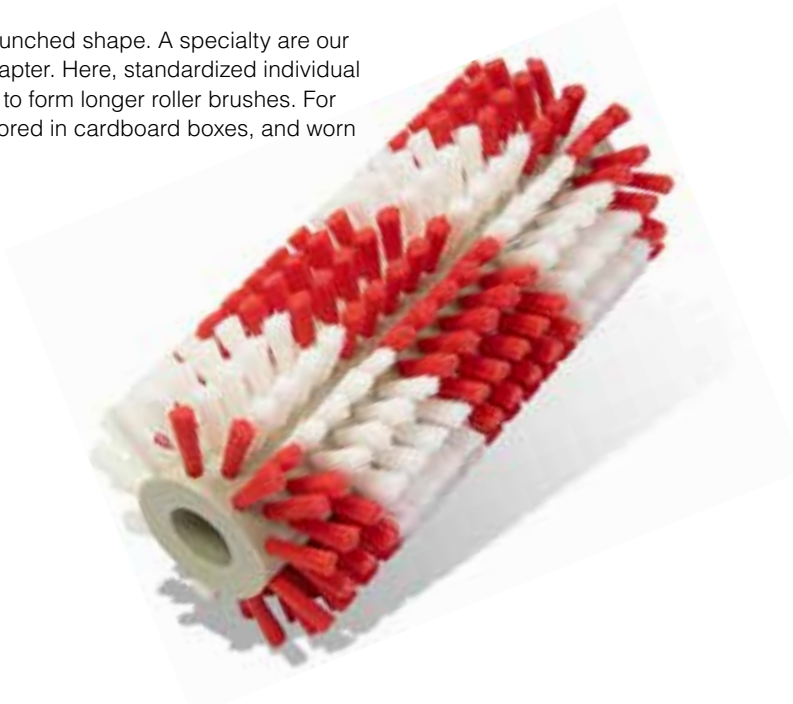
We offer disc brushes, lath brushes and wheel/roller brushes in punched shape. A specialty are our Multizack® roller brushes, which you will find at the end of the chapter. Here, standardized individual segments with a width of 100 mm can be assembled as required to form longer roller brushes. For example, long roller brushes can be conveniently shipped and stored in cardboard boxes, and worn individual segments can be easily replaced.

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.



TRIM MATERIALS

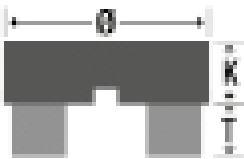
Non-abrasive bristles					Wires			
Ø	Nylon 6.0	Nylon 6.6	Nylon 6.10/12	PPN	Steel wire	Brassed	Stainless steel	Brass
Application	dry	wet	wet, for food industry	acidic and alkaline areas	deburring, derust, roughen	deburring, derusting, roughening, texturing wood	deburring, roughen, clean	non-ferrous metals
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 bristles					Natural bristles	
Ø	SIC	Ceramics	Aluminum Oxide	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

Punched brushes



Appearance can vary from picture depending on variant.



Punched Disc Brushes

Superior ★★★★★☆

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 would like advice, we are happy to help: service@osborn.de

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

Ø Outside in mm	K Body thickness in mm	T Trim length in mm
Standard diameter		
130 - M 14	20	14 - 125
150 - M 14	20	14 - 125
150	25	14 - 125
165	25	14 - 125
175	25	14 - 125

Body material: plastic, wood, multiplex





Punched brushes



Appearance can vary from picture depending on variant.



Punched Lath Brushes

Superior ★★★★★☆

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

	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





Appearance can vary from picture depending on variant.



Punched Wheel- and Roller Brushes

Superior ★★☆☆☆

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.

If you would like advice, we are happy to help:
service@osborn.de

Ø Brush			L 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. Consult our application engineer, Heiko Hanatschek: service@osborn.de

There are various options for arranging the fill. You will find the overview on page 206.





Flexible, modular, simple and fast.

A MULTITUDE OF CONFIGURATION OPTIONS.

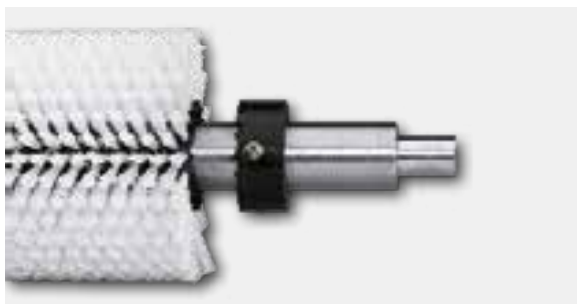
The MultiZack® brushing system from Osborn is a modular design system. As in a construction kit, brush bodies, fill arrangements, fill densities and a variety of fill materials can be selected and may even be combined with each other.

Seven standardized body diameters with the same segment width of 100 mm are available, each of which can be provided with high, medium or loose fill density. (See fill densities on page 206).

Individual brush segments can be slid onto a shaft one behind the other. The segments are then secured on both sides of the shaft by a set collar.

Replacing the Multi-Zack segments is extremely simple and can be carried out in a very short time, keeping machine and plant downtimes to a minimum. All that is required is to loosen a set collar and replace all or just some of the segments.

Thanks to the modular system with segment widths of 100 mm, any number of segments can be mounted on one shaft. The advantage is that these can be shipped and also stored in a space-saving and thus cost-effective manner and not in one piece as is the case with roller brushes.



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 MATERIALS

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.



Should a customised size for the axle hole diameter be required, the body segment can be fitted with a reducing insert.

Synthetic bristles, non-abrasive bristles

- Nylon 6.0, Nylon 6.6, Nylon 6.10/12, PPN

Abrasive bristles

- SIC
- Ceramic
- Aluminum Oxide
- Diamond

Wires

- Steel wire
- Brass coated steel wire
- Stainless steel
- Brass

Vegetable fibers

- Tampico

Natural hair

- Horsehair

FILL ARRANGEMENTS FOR WHEEL, ROLLER AND MULTIZACK BRUSHES

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 arranged in fields



Spiral fill running to the left



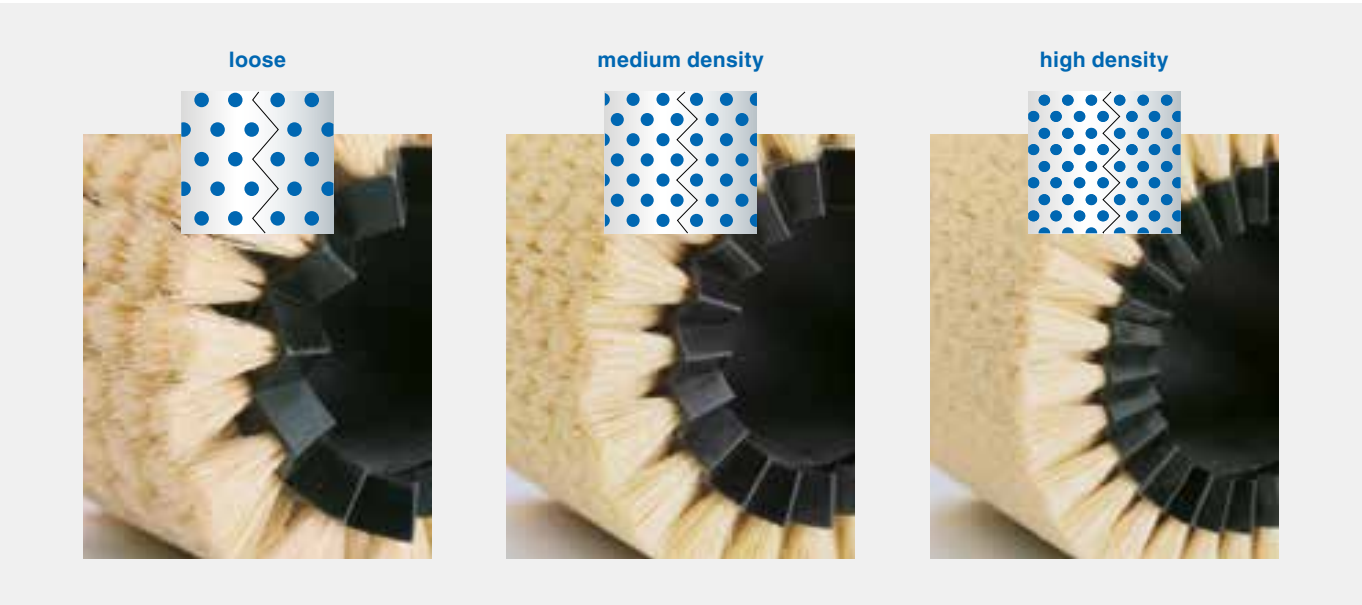
Spiral fill running to the right



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 density and high density.



TECHNICAL DATA

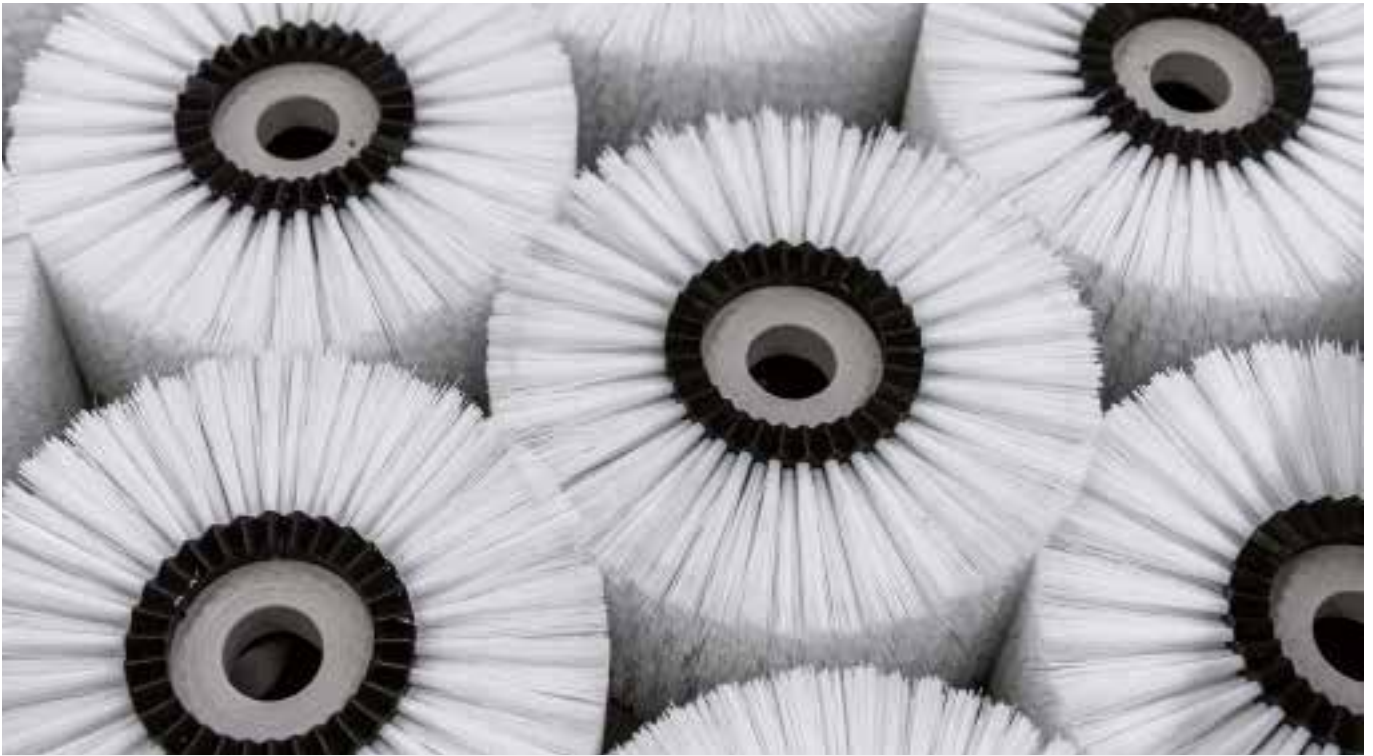
Designation	Outer Ø max.	Body Ø	Bore	Teeth	Rows	Fill density
MZ 31 06 81	231	31	20	6	12	loose
MZ 31 08 60	231	31	20	8	16	medium density
MZ 31 10 48	231	31	20	10	20	high density
MZ 45 08 88	245	45	25	8	16	loose
MZ 45 12 59	245	45	25	12	24	medium density
MZ 45 16 44	245	45	25	16	32	high density
MZ 57 10 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

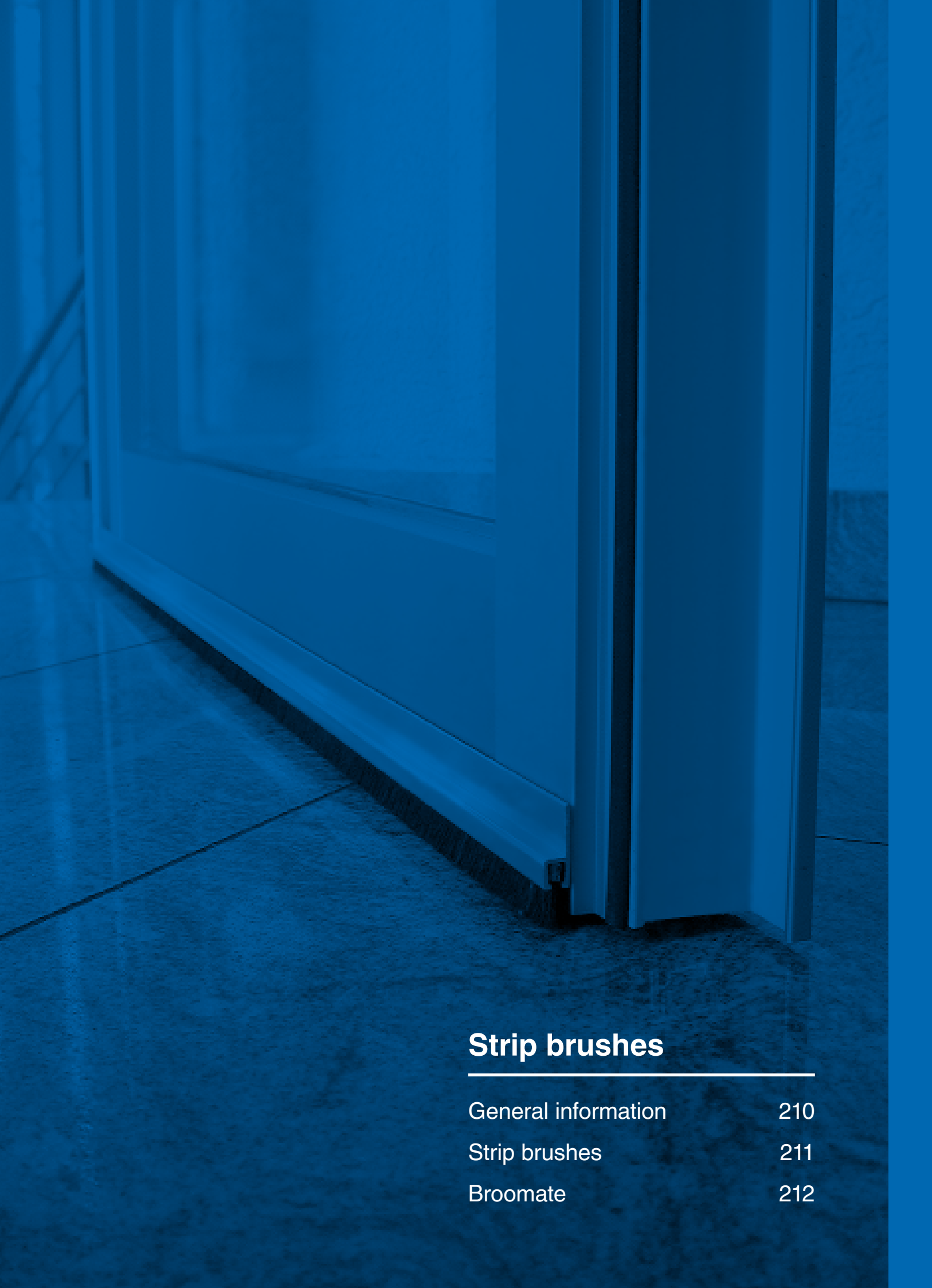
If you wish to provide us with the parameters for your application, we would be more than happy to send you an offer for a MultiZack® brush

Our application engineers will be happy to advise you.
service@osborn.de

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



Strip brushes

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STRIP BRUSHES

General information

Strip brushes – versatile all-rounders

Strip brushes and aluminium retaining rails

Find the perfect solution for your individual application with the strip brushes from Osborn.

Typical applications include:

- Sealing
- Guiding
- Positioning
- Transporting
- Protecting and shielding
- Skirting and plugging of gaps (such as cable feed-throughs)
- Wiping and stripping

Our standard range includes brushes with nylon (PA6) bristles and galvanised steel mountings. **They are available in standard lengths of 3000 mm**, as single units or with aluminium retaining rails with an h (180°) or F (90°) profile. The aluminium retaining rails meet the highest of standards as regards optics and stability.

Custom lengths, profiles and variants are also available provided they satisfy our minimum order requirements.



Brushes with horse hair filament

Also available in our standard range are strip brushes with high-grade, pure horse hair filament.

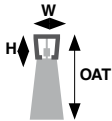
Strip brushes from Osborn with horse hair filament represent effective sealing for any kinds of doors, gates and windows on buildings because they provide protection from cold, draughts, insects, dust and noise.

A positive side effect is effective saving of energy because the durable, UV-resistant horse hair filament ensures optimal thermal insulation. **They are available in standard lengths of 1000 and 2000 mm**, including the 180° aluminium retaining rails.





Appearance can vary from picture depending on variant.



Retaining rails:



90° F profile



180° h profile

Strip brushes with nylon filament

Superior ★★★★★

Strip brushes including aluminium retaining rails, h profile 180° / F profile 90° with PA6 straight, black for innovative brush-based solutions and diverse applications in all sectors of industry.

Available in lengths of 1000 mm, 2000 mm and 3000 mm.
Also available as other custom lengths in high volumes.

Type A strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
15	3000	2.5	2.7	0.15	0904-905 822

Type B strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
19	3000	4	3.7	0.15	0924-905 822
45	3000	4	3.7	0.15	0904-905 825

Type E strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
25	3000	5.1	6.3	0.20	0924-905 823
32	3000	5.1	6.3	0.20	0904-905 824
45	3000	5.1	6.3	0.20	0914-905 825

Type K strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
50	3000	6.6	7.5	0.20	0924-905 825
75	3000	6.6	7.5	0.30	0904-905 837

Type F strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
60	3000	7.8	8.7	0.50	0904-905 856
75	3000	7.8	8.7	0.30	0904-905 847
115	3000	7.8	8.7	0.50	0904-905 859
60	3000	7.8	8.7	0.90	0904-905 896

Type L strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
230	3000	11.4	12.5	0.90	0904-905 899
150	3000	11.4	12.5	0.60	0904-905 869

Type A retaining rail:

Profile	GH	PW	PH	Order no.
180°	13.5	4.4	4	0114-906 000
90°	14	5.2	5.7	0214-906 000

Type B retaining rail:

Profile	GH	PW	PH	Order no.
180°	15	7.3	7	0124-906 000
90°	16	7.3	7	0224-906 000

Type E retaining rail:

Profile	GH	PW	PH	Order no.
180°	27	8.2	10	0144-906 000
90°	27	9	10	0244-906 000

Type K retaining rail:

Profile	GH	PW	PH	Order no.
180°	30	10	12	0154-906 000
90°	37	12	12	0254-906 000

Type F retaining rail:

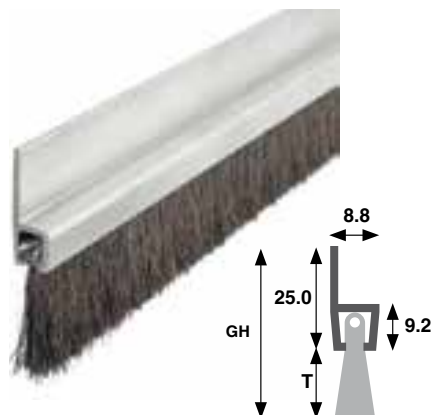
Profile	GH	PW	PH	Order no.
180°	33	12	13	0164-906 000
90°	41	13	14	0264-906 000

Type L retaining rail:

Profile	GH	PW	PH	Order no.
180°	68	18	17	0174-906 000
90°	62	17	18	0274-906 000

STRIP BRUSHES

Strip brushes



Appearance can vary from picture depending on variant.

Strip brushes with horse hair filament

Superior ★ ★ ★ ★ ☆

Strip brushes including aluminium retaining rail, h profile 180°, with horse hair filament for the perfect sealing of doors, gates and windows.

T	L	GH	PU	Order no.
15	1000	40	10	0004-906 962
15	2000	40	10	0034-906 962
25	1000	50	10	0004-906 963
25	2000	50	10	0034-906 963
35	1000	60	10	0004-906 954
35	2000	60	10	0034-906 954
45	1000	70	10	0004-906 955

Strip brush mounting 5x5 mm, galvanised steel

Broomate



Broomate®

At production facilities, there are a lot of areas that need to be cleaned continually. Osborn has developed a sweep solution that meets this need - that is simple, professional and affordable. Our broom is made of high quality strip brushes that are inserted under a galvanized steel hood having a thickness of 5 mm.

The Osborn Broomate® can be attached to a whole range of industrial vehicles and cleans up all kinds of dirt, including liquids. There are no rotating or electrical parts. Just attach the broom to your vehicle - done!

For further information:

Scan the QR code and watch the product video or download the entire brochure.



www.broomate.com

Maintenance-free

- Simple and affordable cleaning solution
- No hydraulics, no motor, no rotating or electrical parts
- Easy to clean with water or high-pressure washer

Sturdy

- 5 mm galvanized steel hood, fork shoes and protective side plates

Diverse attachment options

- The large selection of optional adapters enables it to be attached quickly and easily to virtually any vehicle deployed in industry and agriculture.

Long service life

- Strip brushes can be used for up to 1000 kilometres.

Environmentally-friendly

- All parts can be recycled
- Motor oil and electric power are not required

Simple to exchange

- The brush strips can be replaced in an instant
- Simply open the lock, pull out the old strips, push in the new strips and close the lock

.....

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The quickest and easiest way is to download our special catalogues from the Osborn website.

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<https://www.osborn.com/en/service/catalogues>



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<https://www.osborn.com/de/service/allgemeine-geschaeftsbedingungen>

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