



**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.

## Cutting

General information	
• Cutting metal .....	21
• Cutting stone .....	51
Freehand cutting discs, stainless steel / steel .....	26
Freehand cutting discs, steel .....	40
Freehand cutting discs, aluminium .....	46
Freehand cutting discs, railway sections .....	47
Mini cutting discs .....	48
Discs for stationary cutting machines / chop saws .....	49
Freehand cutting discs, stone .....	55
Freehand cutting discs, asphalt / ductile .....	58

## Grinding

General information .....	60
Grinding discs, steel .....	63
Grinding discs, stainless steel / steel .....	65
Grinding discs, cast iron .....	69
Grinding discs, aluminium .....	70
Mini grinding discs .....	71
Grinding discs, stone .....	72

## Grinding & Sanding

General information .....	74
Flap discs, normal corundum .....	78
Flap discs, zirconium corundum .....	80
Flap discs, ceramic abrasive grain .....	90
Flap discs, silicon carbide .....	92
Fibre discs for angle grinders .....	94
Semi-flexible discs for angle grinders .....	96
Backing pads .....	97
Grinding cups for angle grinders .....	98
Flap wheels .....	99
Sanding drums .....	99
Economy rolls for hand sanding .....	100

## Brushing and cleaning

General information	
• Angle grinders .....	102
• Stationary machines .....	172
Wheel brushes	
• Angle grinders .....	104
• Power drills .....	134
• High-speed machines .....	156
• Stationary machines .....	173
Cup brushes	
• Angle grinders .....	110
• Power drills .....	141
End brushes	
• Power drills .....	145
• High-speed machines .....	164
• Stationary machines .....	188
Bevel brushes .....	120
Brushes for cordless tools .....	130
Flap wheel brushes .....	150
Roller brushes .....	186
Polishing flap discs .....	124

Polishing wheels .....	126
Flap wheels .....	162
Coarse cleaning fleeces	
• Angle grinders .....	127
• High-speed machines .....	160
Hand brushes.....	192
File brushes .....	197
Brooms .....	198
Scrub brushes .....	200
Dusters .....	202
Paint brushes .....	203

### Polishing & satinising

Manual application .....	206
Polishing flap discs .....	208
Polishing compounds .....	210
Variable-speed and cordless angle grinders .....	212
Power drills .....	216
Power drills and high-speed machines .....	218
Satinising machines .....	220
Stationary machines .....	223

### Industrial

Internal finishing	
• SITUFT® .....	226
• HELITUF® .....	227
• Tube brushes .....	228
• Novoflex .....	234
• Novofil .....	237
• Hole cleaning brushes .....	238
• Nozzle cleaning brushes .....	239
Battery terminal brushes .....	240
Fitting brushes .....	240
Stove pipe cleaners .....	240
Novotec .....	244
ATB® - Advanced Technology Brush System .....	246
Tungsten Carbide Burrs .....	254
Punched brushes .....	262

### Strip brushes

General information .....	274
Strip brushes .....	275
Broomate .....	276

### Diamond tools

General information .....	278
Diamond cutting discs, universal .....	288
Diamond cutting discs, stone slabs .....	295
Diamond cutting discs, tiles / fine stoneware .....	297
Diamond cutting discs, concrete .....	300
Diamond cutting discs, natural stone .....	302
Diamond cutting discs, abrasive stones / asphalt / mortar .....	303
Diamond tile drills for drilling machines .....	306
Diamond core bits for drilling machines .....	308
Diamond cup grinders for angle grinders .....	309

<b>Index</b> Part numbers .....	316
<b>Index</b> Product names .....	322

# Cutting

# Grinding

# Grinding & Sanding

# Brushing & cleaning

# Polishing & Satinising

# Industrial

# Strip brushes

# Diamond

# 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.

Dronco GmbH, a leading manufacturer of abrasives, has been part of Osborn since 2015. In addition to cutting, grinding and sanding discs, the portfolio also includes diamond tools, ceramic abrasives and abrasive paper. A highly modern production facility in Wunsiedel guarantees competitive production to the highest quality and safety standards. We are members of oSa e.V. (organisation for the safety of grinding tools).

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

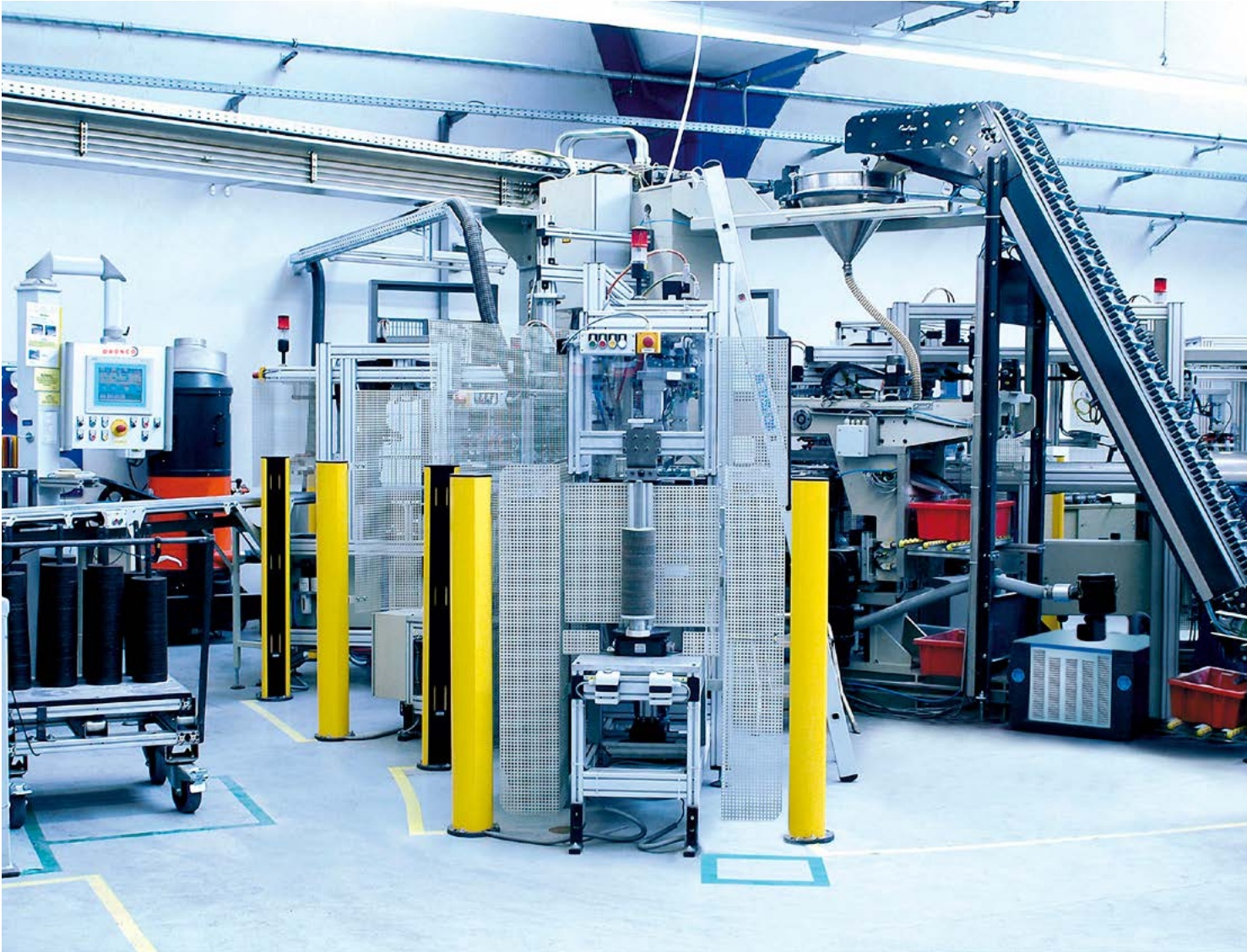
We have in-house Research and Development departments at all three production facilities in Germany. We are continually working on new products and are enhancing existing products in regard to quality and performance. Our global Purchasing department has a continual eye on the world markets and sources 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 and Wunsiedel. We have modernised the machinery and automated many areas. This means Dronco now has press technology for manufacturing cutting and grinding discs that is one of the most advanced of its kind in the world.

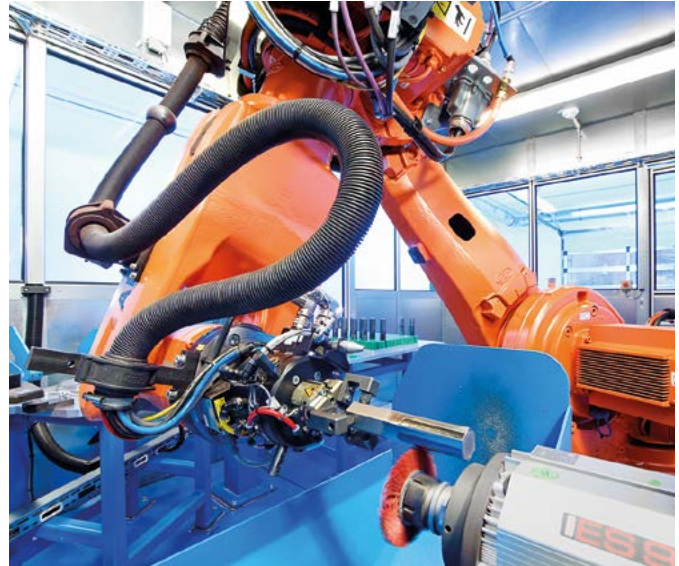
At our other sites, we are also active in optimising further our production processes. The production systems for our polishing buffs in Portugal, in the heart of the European textile industry, were recently equipped with new machines. And an automated filling system has been added to our polishing compound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



### 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.



Test robot in Burgwald/Germany

The same also applies for optimising our cutting and grinding discs, and 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](mailto:service@osborn.de)

# LOGISTICS – ALWAYS DELIVERED QUICKLY

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







## NEXMART

### Easy ordering around the clock

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

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



## AEO CERTIFIED

For a reliable supply chain

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

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

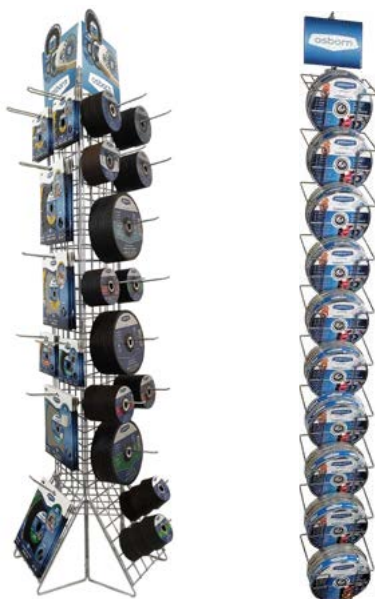
You benefit from the fact that higher priority is generally attached to our goods when checks are performed and they are processed quickly. This means shipping delays due to inspections can be minimised greatly.

# Perfectly presented



## PRODUCT PRESENTATION AT POINTS OF SALE

Present the products in a flexible and appealing way: Our diversity of packagings enables you to design your own displays for your customers.



### Stand-up displays and presenters

No matter how much space is available, there is a solution to present our products to catch the eye - container presenter for hanging into wall modules, triangular stand-up display for individual positioning or a stand display.

## PRODUCT AND PACKAGING DESIGN

Our positioning on the market is visually distinct and deliberate. This pertains to packaging as well as contents. Effectively designed colour codes navigate easily and reliably through the product range.

We will be glad to help if you want packaging with your own logo or design.



### Shaft tags in the assortment box

The loose brushes in the assortment box carry all important information in summarised form on the shaft tag on the product.



### Single packaging in boxes or PET

Our products in the range have attractive box or PET packaging with easy to understand application instructions and product information.



### Display card

The alternate machine and brush pictures on the display card mean the user can better tell apart the products.

## SALES PROMOTION AT POINTS OF SALE

We tailor sales promotion to the needs of the retailer. Here you only see a small selection of options. Speak to us if you are interested.



### Sales displays

Variably deployable product boxes for different products or special counter displays, we offer you different ways to generate sales at the POS.

Discover our new sales displays online  
[www.t1p.de/b92n](http://www.t1p.de/b92n)



# Quicker to the right product

## THE BEST ADVICE. ON THE PACKAGING.

Osborn packaging makes it easy to find the right product.

In just four quick steps, you can find the perfect tool from our wide range of brushes. Clearly displayed on our POS materials are the four self-explanatory steps you need for expert advice.



### Trouble-free assignment

Icons on the packaging enable the product to be assigned quickly to the right machine. Angle grinder, power drill or something completely different - this question is clarified in no time.

### Quick info on trim material

Here, colours and text provide users with key information on the trim material. The colours also appear in the catalogue to help with material selection.



### TÜV safety

The TÜV-Süd logo attests to the safety standard of the product.

### Detailed product information

Useful specifications of size, wire thickness, bore / tool holder and speed are provided by the detailed product information.



### QR code Get information online. Decide in the shop.

Osborn connects the shelf to the Internet. Consumers can use **QR codes** on our packagings to load straight to their smartphones **a whole array of product and supplementary information**. This enables any questions about a product to be clarified right by the product rack - effortlessly and at lightning speed.

The QR codes are on our single packs and also on the loose products in the assortment box and on the display card.



## TRAINING

Do you want your employees to get to know our tools better to provide valuable advice to customers in shops? Or do you want your employees to improve their knowledge on how to use and work with our tools? We can train you and your employees. There is no "run-of-the-mill" training - we tailor our program exactly to your requirements. Training can be held at our site – if there is interest, perhaps linked with a visit to our production facilities? But we would of course also be glad to come to you or conduct an online training. Talk to us!

For years recognised as a partner to specialist retailers.



### Mobile promotion

We assist specialist retailers with promotion vehicles that are continually out and about - at in-house fairs and open day events, and together with retailers on site at end users.



We are on YouTube for you. This is where you can find a whole array of product and application information, tips and suggestions for solving your problems in all aspects of professional surface finishing.

Osborn on  
Osbornsolutions

[www.youtube.com/user/osbornsolutions](http://www.youtube.com/user/osbornsolutions)





## 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](http://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](http://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.

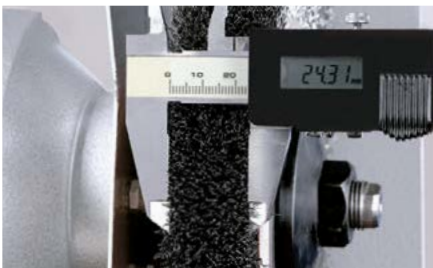


# Technical information & safety information for brushes



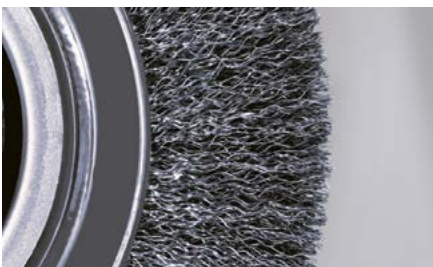
## Working and safety speeds

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
RPM min <sup>-1</sup>	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:



**This way for information\***



\* Costs dependent on the network operator are charged to use mobile websites.

[www.osborn.de/en/safety](http://www.osborn.de/en/safety)

# 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"> <li>Sturdy</li> <li>Diversity of applications</li> </ul>	Steel, cast iron, softwood, hardwood
	Crimped			Steel, cast steel
	Knotted			
Stainless steel wire	Straight	Standard alloys: 1.4310 and 1.4401 (1.4571 on request)	<ul style="list-style-type: none"> <li>Usage in particular where residues of steel wires would adversely affect the surface (such as rust spots)</li> </ul>	Stainless steel, non-ferrous metals, aluminium
	Crimped			
	Knotted			
Osborn special steel wire	Straight		<ul style="list-style-type: none"> <li>High-performance wire with high tensile strength</li> <li>Long service life</li> <li>For extreme brush applications</li> </ul>	Steel, cast iron, softwood, hardwood
	Crimped			
	Knotted			
Longlife (steel wire)	Stranded		<ul style="list-style-type: none"> <li>Extremely long life</li> <li>Combines the benefits of crimped and knotted wire</li> </ul>	Steel, cast iron, softwood, hardwood
Brass-coated steel wire	Mono wire	Stranded	<ul style="list-style-type: none"> <li>High tensile strength</li> <li>Particularly well suited to texturing wood</li> </ul>	Steel, cast iron, softwood, hardwood
	Cordwire			
Brass wire	Crimped			Non-ferrous metals, softwood
Synthetic bristles	Straight		<ul style="list-style-type: none"> <li>Abrasion-resistant</li> <li>Resistant to weak acids and bases</li> <li>Flexible</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium
Abrasive bristle	Aluminium oxide	Nylon threads with aluminium oxide; red trim material	<ul style="list-style-type: none"> <li>High elasticity without risk of breakage</li> <li>Uniform abrasive effect</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium, wood
	Silicone carbide	Nylon threads with silicone carbide; blue trim material.	<ul style="list-style-type: none"> <li>High elasticity without risk of breakage</li> <li>Uniform abrasive effect</li> </ul>	
	Ceramic, sintered twice	Aluminium oxide sintered twice; available in different hardness grades, light grey trim material	<ul style="list-style-type: none"> <li>Particularly hard and aggressive abrasive grit</li> <li>The abrasive grit released during brushing has a better breaking edge and makes possible faster, more efficient deburring</li> <li>Perfect results through uniform, homogeneous abrasive effect</li> </ul>	Steel, cast iron, stainless steel, non-ferrous metals, aluminium

**Application table for Dronco discs**

is under General information in the respective section.



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

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

		Material to treat / colour used in the catalogue						
		Steel	Cast iron	Stainless steel	Non-ferrous metals	Aluminium	Softwood	Hardwood
Trim material	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 15



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

More information on page 24



**BOSCH X-LOCK– To change cutting discs without tools**

More information on page 24



**PROTECT –**  
Vibration and noise appreciably reduced

More information on page 282



**FreeCut - Perhaps the world's safest cutting disc**

More information on page 24



**Cut & Grind - Cutting and grinding with one disc**

More information on page 24

## 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.



# Metal cutting discs

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General information	22
Free hand cutting discs   Stainless steel / steel	26
Free hand cutting discs   Steel	40
Free hand cutting discs   Aluminium	46
Free hand cutting discs   Rail sections	47
Mini cutting discs	48
Discs for stationary cutting machines / chop saws	49



# METAL CUTTING DISCS

General information

## Important info at a glance

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 cutting discs are manufactured on modern production lines in keeping with the latest safety standards according to EN 12 413 and oSa requirements.

## DISC SPECIFICATIONS

**Dimensions**  
Outer diameter, disc thickness, diameter of the bore.  
Metric and imperial specifications.

**Field of application**

**Colour-coding system**  
Light blue – stainless steel cutting discs  
Blue – Metal cutting discs  
Silver – Aluminium cutting discs

**Features**  
Some of our products come with additional characteristics. These are highlighted on the label.

**Type designation**  
Consists of the following information in the case of cutting discs:  
**A/AS** – Aluminium oxide (abrasive grain for cutting metal)  
**AZ** – Zirconium corundum (abrasive grain for enhanced service life and cutting performance)  
**60** – Refers to the size of the grit. The higher the number, the finer the grit.  
E.g.: 24 coarse | 30 medium | 36 fine ...  
**V** – This letter stands for the degree of hardness of the disc.  
The higher the letter in the alphabet, the harder the disc.  
E.g.: Q soft | R medium hard | V hard  
**BF** – Resin bond, reinforced with layers of glass fibre

**Made in Germany**  
Stands for proven DRONCO quality. Our cutting discs are primarily produced and tested in Germany.

**max. speed**  
**max. circumferential speed**

**EAN code**

**Product safety**  
Our products meet the highest safety requirements and standards:  
EN 12413 – Cutting discs  
oSa – Organization for the Safety of Abrasives

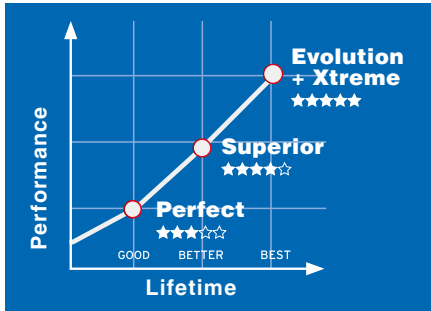
**Expiry date (quarter/year)**

**Quality line**

**Safety information**

- Observe instructions
- Use safety goggles
- Use hearing protection equipment
- Wear dust mask
- Wear gloves
- May not be used for grinding
- Do not use product if damaged

## 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 / 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.



# METAL CUTTING DISCS

General information

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## EXTRA BENEFITS FOR USERS

Many of our products offer extra benefits for users in addition to their specific cutting and grinding capacity.

### BOSCH X-LOCK – for changing cutting discs without tools

Cutting discs can be installed much more quickly and without tools thanks to the special X-LOCK adapter.

- Save time by changing discs quickly and easily – without tools
- Clever quick-mount system for increased safety
- Cutting discs with the X-LOCK adapter are fully backwards compatible and can also be used on conventional angle grinders with a 22.23-mm bore



### FreeCut – probably the safest cutting disc in the world

The disc exhibits optimal, uniquely safe cutting thanks to its conical shape.

- No jamming during cutting work
- Prevents dangerous 'kick-back' effect of the angle grinder
- No side friction



### Cut + Grind with a single disc

This ingenious combo disc saves set-up time and therefore money as well.

- Cutting and light grinding with a single disc
- No need to change discs
- Good cutting speed and removal rates



### Battery friendly – ideal for use on battery-powered equipment

Battery-powered angle grinders are gaining in popularity. Cutting discs with this symbol can be used on corresponding equipment as well as variable-speed angle grinders.

- Flexible application
- Easy to use
- Ultimate precision





## APPLICATION TABLE METAL CUTTING DISCS

	Page	Unalloyed and alloyed construction steel	Very solid construction steel	Tool steel	High alloyed steel	Angular steel profiles	Angular stainless steel profiles	Rail sections	Cast iron	Aluminium alloy	Copper	Brass Bronze	Tiles, marble, slate
<b>Free hand cutting discs for stainless steel/steel</b>													
AS 60 W INOX Evolution 0,8	26	●	●	●	●	●●	●●		○	●	●	●	
A 60 R Perfect 1,0	27	●●	●	●	●	●	●		○	○	○	○	
AS 60 T INOX Superior 1,0	28	●	●	●	●●	●●	●●		○	●	●●	●●	
AS 60 V INOX Evolution 1,0	29	●●	●●	●●	●●	●●	●●		●	●	●	●	
AS 60 X INOX Xtreme 1,0	31	●●	●●	●●	●●	●●	●●		●	●	●	●	
ACS 60 T Multi / ACS 46 T Multi	32	●	●	○	●	●●	●●		●●	●●	●●	●●	●●
A 46 R Perfect 1,6	33	●●	●	●	●	●	●		○	○	○	○	
AS 46 T INOX Superior 1,6	34	●	●	●	●●	●●	●●		○	○	○	○	
AS 46 V INOX Evolution 1,6	35	●●	●●	●●	●●	●●	●●		●	●	●	●	
AS 46 X INOX Xtreme 1,6	36	●●	●●	●●	●●	●●	●●		●	●	●	●	
AS 60 / AS 46 T INOX FreeCut 2,0-1,0	37	●	●	●	●●	●●	●●		●	●	●	●	
AS 46 / AS 30 T INOX CUT+GRIND 2,5	38	●	●	●	●●	●	●●		●●	○	○	○	
AS 30 S INOX Superior, 2,5	39	●	●	●	●●	●	●●	●	●●	●	●	●	
AS 30 T INOX Superior, 2,2	39	●	●	●	●●	●	●●	●	●●	●	●	●	
<b>Free hand cutting discs for steel</b>													
A 24 R Perfect. 3.0	40	●●	●	●	○	●	○		●	●	●	●	
AS 30 S Superior. 3.0	41	●●	●●	●●	○	●	○		●●	●	●	●	
AS 30 T Superior. 2.0 + 2.5	42	●●	●●	●●	○	●●	○		●	●	●	●	
AS 30 S HT Evolution. 3.0	43	●●	●●	●●	○	●	○		●	●	●●	●	
AS 30 V Evolution. 3.0	44	●●	●●	●●	○	●●	○		●	●	●	●	
AS 36 V Evolution. 2.2	45	●●	●●	●●	○	●●	○		●	●	●	●	
<b>Free hand cutting discs for aluminium</b>													
CS 60 Alu Superior. 1.2	46									●●	●●	●●	
CS 46 Alu Superior. 1.6	46									●●	●●	●●	
<b>Free hand cutting discs for rail sections</b>													
AS 24 R Bahn Superior 3.5 + 4.0	47	●	●	●	○	○	○	●●	○	○	○	○	
<b>Mini cutting discs</b>													
AS 46 T Mini Superior	48	●	●	●	○	●●	○		○	○	○	○	
<b>Discs for stationary cutting machines / chop saw discs</b>													
A 30 S Perfect 3.5	49	●	●	●	○	●	○		●	●	●	●	
AS 30 S Superior 3.5 + 4.0	49	●●	●●	●●	○	●	○		●●	●	●	●	
AS 36 T Superior / Chop Saw	50	●●	●●	●	○	●	○		●	●	●	●	
AS 36 S INOX Superior / Chop Saw	50	●	●●	●●	●	●	●●		●●	●	●	●	

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



## AS 60 W INOX

Evolution ★★★★★

Extra-fine, high-performance AS 60 W INOX Evolution cutting disc with 0.8 mm thickness. The right choice for quickly cutting thin-walled materials.

- Work progresses quickly thanks to incredibly high cutting performance
- Particularly smooth-running cutting disc
- Fine, smooth cut with minimal contact pressure
- The flat design allows for a better cutting depth
- Low-burr or burr-free cutting with limited sparking
- Iron- and sulphur-free

**Field of application:** For thin sheet metals, fine steel cables, thin-walled profiles and stainless steel pipes, steel, non-ferrous metals and composite materials (glass-reinforced plastics).

\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

### Lifetime-Plus tin

- Over 30%\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 0.8 x 22.23	4 1/2 x 0.030 x 7/8	13300	25	—	<b>1111-000 100</b>	110302
125 x 0.8 x 22.23	5 x 0.030 x 7/8	12250	25	—	<b>1121-000 100</b>	120301
Lifetime-Plus tin						
115 x 0.8 x 22.23	4 1/2 x 0.030 x 7/8	13300	1 tin of 25 discs	—	<b>6900-842 100</b>	701630
125 x 0.8 x 22.23	5 x 0.030 x 7/8	12250	1 tin of 25 discs	—	<b>6900-843 100</b>	701647
115 x 0.8 x 22.23	4 1/2 x 0.030 x 7/8	13300	1 tin of 10 discs	—	<b>6900-840 100</b>	701616
125 x 0.8 x 22.23	5 x 0.030 x 7/8	12250	1 tin of 10 discs	—	<b>6900-841 100</b>	701623



## A 60 R

Perfect ★★★★★

The most cost-effective alternative for thin cutting discs.  
For cutting thin-walled materials.





- Good cutting ability with a good service life
- A precise cut to the millimetre
- Low-burr edges
- Iron- and sulphur-free

**Field of application:** For thin-walled profiles and sheet metals in steel and container construction applications. Also frequently used in car body building. Also suitable for stainless steel.

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1.0 x 22.23	4 1/2 x 1/25 x 7/8	13300	25		<b>1110-240 100</b>	110012
125 x 1.0 x 22.23	5 x 1/25 x 7/8	12250	25		<b>1120-240 100</b>	120011
Power Pack tin						
115 x 1.0 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6900-987 100</b>	7013194
125 x 1.0 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6900-988 100</b>	701326

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



## AS 60 T INOX - "New Formula"

Superior ★★★★★☆

This 1-mm cutting disc enables a uniquely clean cut in no time, while requiring only minimal effort.

- New Formula: Improved formula for 20 % more cuts
- Particularly easy-cutting disc with good service life
- Clean, precise cut down to the millimetre – with minimal effort
- Low-burr to burr-free edges (saves reworking)
- No blue discolouration of the workpiece due to heat
- Iron- and sulphur-free

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



**Field of application:** For thin sheet metal used in car body building, tank system and container construction, steel cables, thin-walled profiles and pipes of stainless steel, steel, non-ferrous metals or composite materials (glass-reinforced plastics), high temperature resistant materials (e.g. engine repairs in turbine sector).

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



### Lifetime-Plus tin

- Over 30 %\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	25		<b>1111-240 100</b>	111026
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	25		<b>1121-240 100</b>	121025
Power Pack tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6900-935 100</b>	701050
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6900-945 100</b>	701067
Lifetime-Plus tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6900-850 100</b>	701203
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6900-852 100</b>	701227
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 25 discs		<b>6900-870 100</b>	701401
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 25 discs		<b>6900-871 100</b>	701418
Bosch quick-mount X-LOCK						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	25		<b>1911-240 100</b>	111088
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	25		<b>1921-240 100</b>	120646
X-LOCK Lifetime-Plus tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6901-030 100</b>	703405
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6901-032 100</b>	703429



Ø 115 and 125 mm suitable for battery-powered angle grinders



This item is also available with the X-LOCK adapter



## AS 60 V INOX Evolution ★★★★★

Top-class 1-mm cutting disc for stainless steel and steel. For an extremely fast and precise cut down to the millimetre – with minimal effort.

- Work progresses quickly thanks to incredibly high cutting performance
- A precise cut to the millimetre with minimal physical effort
- Maximum service life and thus ultimate efficiency
- Low-burr to burr-free edges (saves reworking)
- No blue discolouration of the workpiece due to heat
- Iron- and sulphur-free

**Field of application:** For thin sheet metal used in car body building, tank system and container construction, steel cables, thin-walled profiles and pipes of stainless steel, steel, non-ferrous metals or composite materials (glass-reinforced plastics), high temperature resistant materials (e.g. engine repairs in turbine sector).

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



### Lifetime-Plus tin

- Over 30 %\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	25		<b>1111-246 100</b>	111125
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	25		<b>1121-246 100</b>	121179
Power Pack tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6900-975 100</b>	704877
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6900-985 100</b>	704884
Lifetime-Plus tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6900-851 100</b>	701210
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6900-853 100</b>	701234
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 25 discs		<b>6900-872 100</b>	701425
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 25 discs		<b>6900-873 100</b>	701432
Bosch quick-mount X-LOCK						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	25		<b>1911-246 100</b>	111101
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	25		<b>1921-246 100</b>	120653
X-LOCK Lifetime-Plus tin						
115 x 1 x 22.23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6901-031 100</b>	703412
125 x 1 x 22.23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6901-033 100</b>	703436

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel

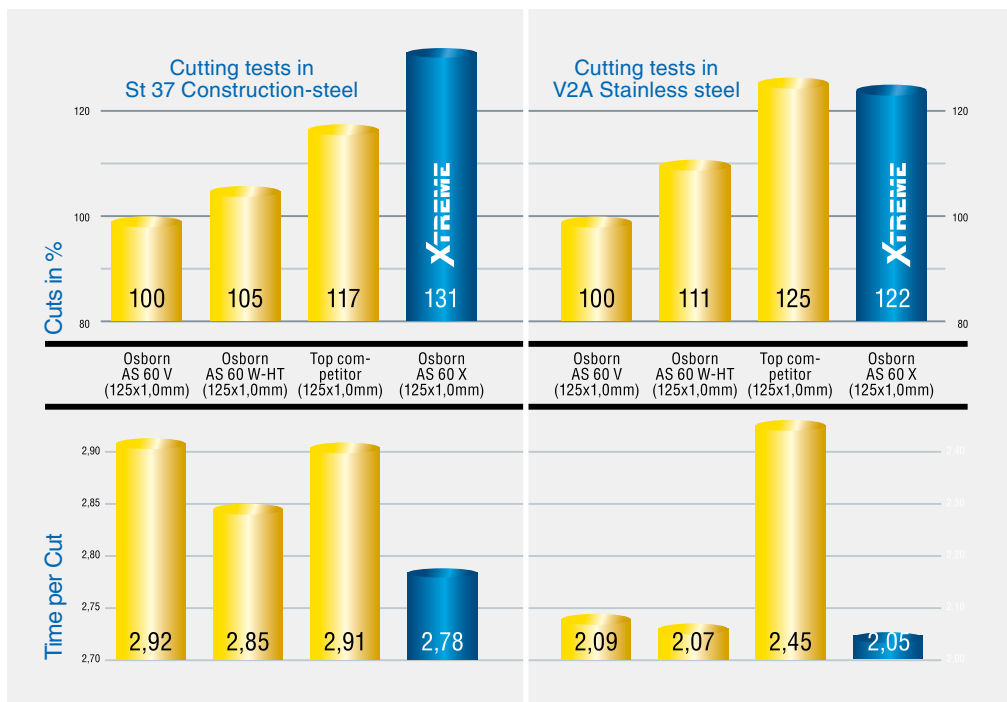
## Dronco AS 60 X INOX. A new dimension of cutting

A new grain and a sophisticated composition of additional individual components make it possible. Tests reveal an outstanding service life. These discs provide 25 % more cuts than the former AS 60 V and 15 % more than the main competitor. And since speed is an essential factor in winning, the new discs also need less time to finish your cutting job.



AS 60 V INOX

AS 60 X INOX





## AS 60 X INOX

### Xtreme ★★★★★

With a service life increased by 25 %, this 1 mm cutting disc sets new standards in the premium segment. For extremely fast cutting with minimum effort, precise to the millimeter.

- Fast work progress due to enormously high cutting performance
- Millimeter-accurate cutting with minimum effort
- Maximum service life and thus highest economic efficiency
- 25 % more cuts than than with the present top product AS 60 V INOX
- Low burr to burr-free cuts (no reworking)
- No thermal blue discoloration of the workpiece
- Iron- and sulfur-free

**Field of application:** For thin sheet metal in car body, tank and container construction, steel cables, thin-walled profiles and pipes made of stainless steel, steel, non-ferrous metals or composites (GRP), high-temperature resistant materials (e.g. engine repair in turbine construction).

You can find information about our new Xtreme brushes on page 117.

\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

#### Lifetime-Plus tin

- Over 30 %\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1 x 22,23	4 1/2 x 1/25 x 7/8	13300	25		<b>1111-746 100</b>	112580
125 x 1 x 22,23	5 x 1/25 x 7/8	12250	25		<b>1121-746 100</b>	122510
Lifetime-Plus tin						
115 x 1 x 22,23	4 1/2 x 1/25 x 7/8	13300	1 tin of 10 discs		<b>6901-075 100</b>	704501
125 x 1 x 22,23	5 x 1/25 x 7/8	12250	1 tin of 10 discs		<b>6901-085 100</b>	704518



## DISPLAY XTREME AS 60 X INOX

Contains 24 pcs LifetimePlus tin of 10 discs.  
Optionally in diameter 115 mm or 125 mm

Ø in mm	Content	PU	Shape	Item code
115 x 1 x 22,23	24 x tin of 10 discs	1 Box		<b>6903-050 100</b>
125 x 1 x 22,23	24 x tin of 10 discs	1 Box		<b>6903-051 100</b>

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



Ø 115 and 125 mm suitable for battery-powered angle grinders

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



## ACS 60 T MULTI / ACS 46 T MULTI

Superior ★★★★★☆

The special composition of this thin ACS 60 T-MULTI combo disc makes it possible to cut metal and tiles without time-consuming disc changes. A special tool for specialist users, such as plumbers.







- Combo cutting disc
- Good cutting performance
- Comfortable cutting
- No time-consuming disc changes
- Low-burr to burr-free edges
- Iron- and sulphur-free

**Field of application:** For stainless steel, steel and stone (especially wall tiles).

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1.2 x 22.23	4 1/2 x 3/64 x 7/8	13300	25		<b>1111-360 100</b>	111804
125 x 1.2 x 22.23	5 x 3/64 x 7/8	12250	25		<b>1121-360 100</b>	121803
ACS 46 T MULTI						
180 x 1.6 x 22.23	7 x 1/16 x 7/8	8500	25		<b>1183-360 100</b>	143157
230 x 1.9 x 22.23	9 x 5/64 x 7/8	6650	25		<b>1233-360 100</b>	153606
Power Pack tin						
115 x 1.2 x 22.23	4 1/2 x 3/64 x 7/8	13300	1 tin of 10 discs		<b>6900-942 100</b>	704808
125 x 1.2 x 22.23	5 x 3/64 x 7/8	12250	1 tin of 10 discs		<b>6900-943 100</b>	704815





Ø 115 and 125 mm suitable for battery-powered angle grinders

#### Additional user benefit

The new X-LOCK version of the ACS 60 T MULTI is now available and even more versatile. Thanks to its new formula, aluminium can now be cut as well.



#### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in Inch	RPM min <sup>-1</sup>	VPE	Form	Item no.	EAN 4081600
Bosch quick-mount X-LOCK						
115 x 1,2 x 22,23	4 1/2 x 3/64 x 7/8	13300	25		<b>1911-360 100</b>	111217
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	25		<b>1921-360 100</b>	120691
X-LOCK Power-Pack-tin						
115 x 1,2 x 22,23	4 1/2 x 3/64 x 7/8	13300	1 tin of 10 discs		<b>6901-050 100</b>	703443
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	1 tin of 10 discs		<b>6901-052 100</b>	703450



## A 46 R

Perfect ★★★★★

The cost-effective solution among thin 1.6-mm steel cutting discs. A good compromise between conventional 3-mm and 1-mm discs.

- Good cutting ability and service life
- Almost no burr

**Field of application:** For profiles and sheet metals in steel and container construction applications. Also suitable for processing stainless steel (iron- and sulphur-free).

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item no.	EAN 4081600
115 x 1.6 x 22.23	4 1/2 x 1/16 x 7/8	13300	25		<b>1110-250 100</b>	110036
125 x 1.6 x 22.23	5 x 1/16 x 7/8	12250	25		<b>1120-250 100</b>	120035

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



## AS 46 T INOX

Superior ★★★★★☆

This thin 1.6-mm special cutting disc is easy on people and tools thanks to its energy-saving effect.

- Particularly easy-cutting disc with long service life
- Clean cut with minimal effort
- Low-burr cut edges
- No blue discolouration of the workpiece due to heat
- Iron- and sulphur-free

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



**Field of application:** For thin-walled profiles and sheet metals made of stainless steel or standard steel. The standard in tank systems and container construction.

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



### Lifetime-Plus tin

- Over 30%\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600	EAN 4081600
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	25		<b>1111-250 100</b>	111118	
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	25		<b>1121-250 100</b>	121117	
150 x 1,6 x 22,23	6 x 1/16 x 7/8	10200	25		<b>1153-250 100</b>	133103	
180 x 1,6 x 22,23	7 x 1/16 x 7/8	8500	25		<b>1183-250 100</b>	143119	
230 x 1,9 x 22,23	9 x 5/64 x 7/8	6650	25		<b>1233-250 100</b>	153118	
Power-Pack-tin							
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	1 tin of 10 discs		<b>6900-932 100</b>	701180	
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	1 tin of 10 discs		<b>6900-941 100</b>	701142	
Lifetime-Plus tin							
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	1 tin of 10 discs		<b>6900-780 100</b>	702200	
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	1 tin of 25 discs		<b>6900-874 100</b>	701449	
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	1 tin of 10 discs		<b>6900-856 100</b>	701265	
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	1 tin of 25 discs		<b>6900-875 100</b>	701456	
230 x 1,9 x 22,23	9 x 5/64 x 7/8	6650	1 tin of 10 discs		<b>6900-855 100</b>	701258	
Bosch quick-mount X-LOCK							
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	25		<b>1911-250 100</b>	111156	
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	25		<b>1921-250 100</b>	120660	



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



## AS 46 V INOX Evolution ★★★★★

The thin 1.6-mm AS 46 V INOX Evolution high-performance cutting disc stands out thanks to its high cutting speed together with a very long service life and comfortably smooth cutting. The 180-mm and 230-mm discs with depressed center guarantee a stable, straight cut line as well as good flexibility in the outer cutting area. Top product for industrial and trade use.

- Work progresses quickly thanks to high cutting speed
- Very long service life
- Comfortably smooth cut with minimal contact pressure
- Low-burr to burr-free cut
- Iron- and sulphur-free

**Field of application:** For sheet metal, steel cables, thin-walled profiles and pipes made of stainless steel or standard steel.

\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

### Lifetime-Plus tin

- Over 30 %\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1.6 x 22.23	4 1/2 x 1/16 x 7/8	13300	25		<b>1111-251 100</b>	111132
125 x 1.6 x 22.23	5 x 1/16 x 7/8	12250	25		<b>1121-251 100</b>	121148
180 x 1.6 x 22.23	7 x 1/16 x 7/8	8500	25		<b>1183-251 100</b>	143171
230 x 1.9 x 22.23	9 x 5/64 x 7/8	6650	25		<b>1233-251 100</b>	153170
Lifetime-Plus tin						
115 x 1.6 x 22.23	4 1/2 x 1/16 x 7/8	13300	1 tin of 25 discs		<b>6900-876 100</b>	701463
125 x 1.6 x 22.23	5 x 1/16 x 7/8	12250	1 tin of 10 discs		<b>6900-877 100</b>	701470
230 x 1.9 x 22.23	9 x 5/64 x 7/8	6650	1 tin of 10 discs		<b>6900-861 100</b>	701296
Bosch quick-mount X-LOCK						
115 x 1.6 x 22.23	4 1/2 x 1/16 x 7/8	13300	25		<b>1911-251 100</b>	111170
125 x 1.6 x 22.23	5 x 1/16 x 7/8	12250	25		<b>1921-251 100</b>	120677

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



## AS 46 X INOX

Xtreme ★★★★★

With a service life increased by 20 % compared to our AS 46 V INOX, this 1.6 mm cutting disc sets new standards in the premium segment. A new abrasive grain in a bond optimised with functional additives gives the new cutting disc an enormous increase in performance. For fast cutting with minimum effort. The full cutting performance is already available at low contact pressure. And since speed is an essential factor for efficiency, the new Xtreme also needs less time to complete its cutting tasks.

You can find information about our new Xtreme brushes on page 117.

- Fast work progress due to enormously high cutting performance
- Cutting with minimum effort
- Maximum service life and thus highest economic efficiency
- 20 % more cuts than with the present top product AS 46 V INOX
- Low burr to burr-free cuts (no reworking)
- No thermal blue discoloration of the workpiece
- Iron- and sulfur-free

**Field of application:** For sheet metal in car body, tank and container construction, steel cables, profiles and pipes made of stainless steel, standard steel or non-ferrous metals

\* In comparison to a conventional 1 mm cutting disc stored for approx. 6 weeks, which is subject to the natural ageing process and the resulting decrease in service life during storage.

### Lifetime-Plus tin

- Over 30 %\* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	25		<b>1111-756 100</b>	112597
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	25		<b>1121-756 100</b>	122534
180 x 1,6 x 22,23	7 x 1/16 x 7/8	10200	25		<b>1183-756 100</b>	143225
Lifetime-Plus tin						
115 x 1,6 x 22,23	4 1/2 x 1/16 x 7/8	13300	1 tin of 10 discs		<b>6901-076 100</b>	704525
125 x 1,6 x 22,23	5 x 1/16 x 7/8	12250	1 tin of 10 discs		<b>6901-086 100</b>	704532

## AS 46 X INOX - a new dimension of cutting



AS 46 V INOX

AS 46 X INOX



Ø 115 and 125 mm  
suitable for battery-  
powered angle grinders



Jam-free  
cutting

## AS 60 T / AS 46 T INOX FreeCut

Superior ★★★★★☆

**FreeCut:** This safe disc prevents the dangerous 'kick-back' effect of the angle grinder. The disc exhibits optimal, uniquely safe cutting thanks to its conical shape.

- Disc does not become jammed in the workpiece
- Prevents dangerous 'kick-back' effect of the angle grinder
- Generates little heat
- Comfortable cutting thanks to reduced side friction
- Easy, power-saving handling of the disc
- Less reduction of the machine's RPM, resulting in faster cutting
- Iron- and sulphur-free

**Field of application:** For thin-walled and thick-walled profiles and solid stainless steel, standard steel or non-ferrous metal materials.

### Power-Pack tin

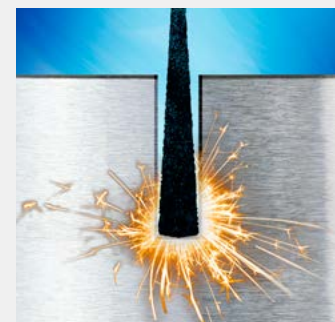
- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115x2.0/1.0x22.23	4 1/2x5/64-1/25x7/8	13300	25		<b>1111-340 100</b>	111507
125x2.0/1.0x22.23	5x5/64-1/25x7/8	12250	25		<b>1121-340 100</b>	121506
AS 46 T INOX FreeCut						
150x2.5/2.0x22.23	6x3/32-5/64x7/8	10200	25		<b>1153-340 100</b>	133509
180x3.0/2.0x22.23	7x5/64-1/8x7/8	8500	25		1183-340 100	143508
230x3.0/2.0x22.23	9x5/64-1/8x7/8	6650	25		1233-340 100	153507
Power Pack tin						
115x2.0/1.0x22.23	4 1/2x5/64-1/25x7/8	13300	1 tin of 10 discs		6900-937 100	704952
125x2.0/1.0x22.23	5x5/64-1/25x7/8	12250	1 tin of 10 discs		6900-947 100	704976

### The safe anti-kick-back disc

- No jamming during cutting work
- Prevents dangerous 'kick-back' effect of the angle grinder
- Generates little heat
- Comfortable cutting thanks to reduced side friction
- Easy, power-saving handling of the disc
- Less reduction of the machine's RPM, resulting in faster cutting



The cutting disc tapers towards the center

# METAL CUTTING DISCS

Free hand cutting discs | Stainless steel / steel



Ø 115 and 125 mm suitable for battery-powered angle grinders



Combo cutting and grinding disc

## AS 46 T / AS 30 T INOX CUT+GRIND

Superior ★★★★★☆

The ingenious cutting and grinding disc combo. Cut at a comfortable speed and follow up with deburring, chamfering and grinding – without any disc changes! This saves set-up time, and therefore money as well!

- Cutting and light grinding work with a single disc
- Good cutting speed
- Good removal rates
- No time-consuming disc changes required
- Saves set-up time and procurement of various discs
- Iron- and sulphur-free

**Field of application:** For solid material or profiles made of stainless steel, standard steel or non-ferrous metals.

### Power-Pack tin

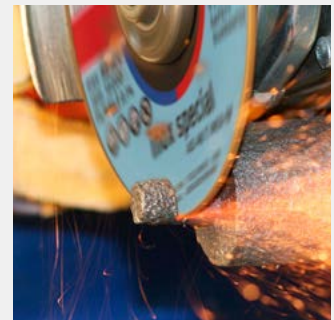
- 5 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 2.5 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1113-270 100</b>	113600
125 x 2.5 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1123-270 100</b>	123609
AS 30 T INOX CUT+GRIND						
180 x 3.5 x 22.23	7 x 1/8 x 7/8	8500	25		1183-270 100	143607
Power Pack tin						
115 x 2.5 x 22.23	4 1/2 x 3/32 x 7/8	13300	1 tin of 5 discs		6900-936 100	704983
125 x 2.5 x 22.23	5 x 3/32 x 7/8	12250	1 tin of 5 discs		6900-946 100	704969

### The ingenious cutting and grinding disc combo

- Cutting and light grinding work with a single disc
- No time-consuming disc changes required
- Saves set-up time and procurement of various discs
- Good cutting speed
- Good removal rates



Deburr or grind immediately without changing discs.











## AS 30 S INOX

Superior ★★★★★☆

Special disc for cutting stainless steel. The special composition prevents rust from forming on the edges.

- Good cutting speed
- Good service life
- Iron- and sulphur-free

**Field of application:** For stainless steel – also suitable for standard steel.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 2.5 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1111-906 100</b>	111309
115 x 2.5 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1113-906 100</b>	113303
125 x 2.5 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1121-906 100</b>	121308
125 x 2.5 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1123-906 100</b>	123302
180 x 2.5 x 22.23	7 x 3/32 x 7/8	8500	25		<b>1181-906 100</b>	141306
180 x 2.5 x 22.23	7 x 3/32 x 7/8	8500	25		<b>1183-906 100</b>	143300
230 x 2.5 x 22.23	9 x 3/32 x 7/8	6650	25		<b>1231-906 100</b>	151305
230 x 2.5 x 22.23	9 x 3/32 x 7/8	6650	25		<b>1233-906 100</b>	153309







## AS 30 T INOX

Superior ★★★★★☆

Special disc with straight design for cutting stainless steel. The special composition prevents rust from forming on the edges.

- Good cutting speed
- Good service life
- Higher cutting depth due to flat shape
- Iron- and sulphur-free

**Field of application:** For stainless steel – also suitable for standard steel.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 2.2 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1111-905 100</b>	111293
125 x 2.2 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1121-905 100</b>	121292
180 x 2.2 x 22.23	7 x 3/32 x 7/8	8500	25		<b>1181-905 100</b>	141290
230 x 2.2 x 22.23	9 x 3/32 x 7/8	6650	25		<b>1231-905 100</b>	151299

# METAL CUTTING DISCS

Free hand cutting discs | Steel



## A 24 R

Perfect ★★☆☆☆

Good entry-level product for cutting metal at an affordable price.

- Good cutting speed
- Good service life

**Field of application:** All-purpose use for cutting standard steel and non-ferrous metals.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 3 x 16	4 x 1/8 x 5/8	15300	25		<b>1100-015 100</b>	100006
100 x 3 x 16	4 x 1/8 x 5/8	15300	25		<b>1102-015 100</b>	102000
115 x 2,5 x 22,23	4 1/2 x 3/32 x 7/8	13300	25		<b>1110-060 100</b>	110029
115 x 2,5 x 22,23	4 1/2 x 3/32 x 7/8	13300	25		<b>1112-060 100</b>	112023
115 x 3 x 22,23	4 1/2 x 1/8 x 7/8	13300	25		<b>1110-015 100</b>	110005
115 x 3 x 22,23	4 1/2 x 1/8 x 7/8	13300	25		<b>1112-015 100</b>	112009
125 x 2,5 x 22,23	5 x 3/32 x 7/8	12250	25		<b>1120-060 100</b>	120028
125 x 2,5 x 22,23	5 x 3/32 x 7/8	12250	25		<b>1122-060 100</b>	122022
125 x 3 x 22,23	5 x 1/8 x 7/8	12250	25		<b>1120-015 100</b>	120004
125 x 3 x 22,23	5 x 1/8 x 7/8	12250	25		<b>1122-015 100</b>	122508
150 x 3 x 22,23	6 x 1/8 x 7/8	10200	25		<b>1150-015 100</b>	130003
150 x 3 x 22,23	6 x 1/8 x 7/8	10200	25		<b>1152-015 100</b>	132007
180 x 2,5 x 22,23	7 x 3/32 x 7/8	8500	25		<b>1180-060 100</b>	140026
180 x 3 x 22,23	7 x 1/8 x 7/8	8500	25		<b>1180-015 100</b>	140002
180 x 3 x 22,23	7 x 1/8 x 7/8	8500	25		<b>1182-015 100</b>	142006
230 x 2,5 x 22,23	9 x 3/32 x 7/8	6650	25		<b>1230-060 100</b>	150025
230 x 2,5 x 22,23	9 x 3/32 x 7/8	6650	25		<b>1232-060 100</b>	152029
230 x 3 x 22,23	9 x 1/8 x 7/8	6650	25		<b>1230-015 100</b>	150001
230 x 3 x 22,23	9 x 1/8 x 7/8	6650	25		<b>1232-015 100</b>	152005
300 x 3,5 x 20,0	12 x 1/8 x 3/4	5100	25		<b>1300-225 100</b>	160093
300 x 3,5 x 22,23	12 x 1/8 x 7/8	5100	25		<b>1300-226 100</b>	160116





## AS 30 S

Superior ★★★★★☆

Proven cutting disc for professional applications involving metal, construction steel or cast iron. For anyone looking for a cost-effective alternative.

- Good cutting speed
- Long service life

**Field of application:** For standard steel, construction steel, cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 3 x 16	4 x 1/8 x 5/8	15300	25		<b>1103-115 100</b>	103007
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1111-115 100</b>	111002
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1113-115 100</b>	113006
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1121-115 100</b>	121001
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1123-115 100</b>	123005
150 x 3 x 22.23	6 x 1/8 x 7/8	10200	25		<b>1153-115 100</b>	133004
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		<b>1181-115 100</b>	141009
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		<b>1183-115 100</b>	143003
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1231-115 100</b>	151008
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1233-115 100</b>	153002
300 x 3.5 x 20	12 x 1/8 x 3/4	5100	25		<b>1301-125 100</b>	161507
300 x 3.5 x 22.23	12 x 1/8 x 7/8	5100	25		<b>1301-126 100</b>	161014
300 x 3.5 x 25.4	12 x 1/8 x 1	5100	25		<b>1301-127 100</b>	161021
350 x 4 x 20	14 x 5/32 x 3/4	5500	10		<b>1351-135 100</b>	171006
350 x 4 x 25.4	14 x 5/32 x 1	5500	10		<b>1351-137 100</b>	171020

# METAL CUTTING DISCS

Free hand cutting discs | Steel











## AS 30 T

Superior ★★★★★☆

This thin cutting disc for sheet steel is particularly popular in the tank systems and container construction sectors. The clean cut provided by this thin special cutting disc makes it possible to process sheet materials without deformations and inconvenient burrs.

- Good cutting speed
- Long service life
- Low-burr to burr-free edges

**Field of application:** For sheet steel.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 2 x 22.23	4 1/2 x 5/64 x 7/8	13300	25		<b>1111-055 100</b>	111040
115 x 2.5 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1113-060 100</b>	113037
125 x 2 x 22.23	5 x 5/64 x 7/8	12250	25		<b>1121-055 100</b>	121049
125 x 2.5 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1123-060 100</b>	123050
180 x 2 x 22.23	7 x 5/64 x 7/8	8500	25		<b>1181-055 100</b>	141047
180 x 2.5 x 22.23	7 x 3/32 x 7/8	8500	25		<b>1183-060 100</b>	143027
230 x 2 x 22.23	9 x 5/64 x 7/8	6650	25		<b>1231-055 100</b>	151046
230 x 2.5 x 22.23	9 x 3/32 x 7/8	6650	25		<b>1233-060 100</b>	153040











## AS 30 S HT

Evolution ★★★★★

Thanks to its corundum, which is treated with high temperatures, and its balanced bond, the AS 30 S HT Evolution combines the removal performance and ease of cutting of a soft disc with the long service life of a hard disc.

- Rapid work progress
- Long service life

**Field of application:** Steel, cast iron and non-ferrous metals.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1111-940 100</b>	111019
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1113-940 100</b>	113013
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1121-940 100</b>	121018
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1123-940 100</b>	123012
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		1181-940 100	141016
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		1183-940 100	143010
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1231-940 100</b>	151015
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1233-940 100</b>	153026

# METAL CUTTING DISCS

Free hand cutting discs | Steel











## AS 30 V

Evolution ★★★★★

This very hard disc is characterised by its distinctive all-round qualities and fast cutting. Its special strengths are cutting pipes and processing thin-walled profiles.

- Work progresses quickly thanks to high cutting performance
- Versatile uses
- Good service life

**Field of application:** For processing construction steel, thin-walled profiles, pipes etc.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 3 x 16	4 x 1/8 x 5/8	15300	25		<b>1101-966 100</b>	101201
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1111-966 100</b>	111200
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1113-966 100</b>	113204
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1121-966 100</b>	121209
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1123-966 100</b>	123203
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		1181-966 100	141214
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1231-965 100</b>	151206
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1233-965 100</b>	153200



## AS 36 V

### Evolution ★★★★★

The AS 36 V Evolution is particularly resilient when cutting sharp-edged materials and thin-walled profiles. It impresses users thanks to distinctive all-round qualities. It is thinner than the AS 30 V and enables even faster cutting with pinpoint accuracy.

- Work progresses quickly thanks to high cutting performance
- Versatile uses
- Good service life

**Field of application:** For processing construction steel, thin-walled profiles, pipes etc.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 2.2 x 16	4 x 3/32 x 5/8	15300	25		<b>1101-070 100</b>	101256
115 x 2.2 x 22.23	4 1/2 x 3/32 x 7/8	13300	25		<b>1111-070 100</b>	111255
125 x 2.2 x 22.23	5 x 3/32 x 7/8	12250	25		<b>1121-070 100</b>	121254
150 x 2.2 x 22.23	6 x 3/32 x 7/8	10200	25		<b>1151-070 100</b>	131253
180 x 2.2 x 22.23	7 x 3/32 x 7/8	8500	25		<b>1181-070 100</b>	141252
230 x 2.2 x 22.23	9 x 3/32 x 7/8	6650	25		<b>1231-070 100</b>	151251

# METAL CUTTING DISCS

Free hand cutting discs | Aluminium



## CS 60 ALU

Superior ★★★★★☆

The outstanding characteristics offered by thin cutting discs are now available for aluminium and non-ferrous metals as well.

- Fast cutting without clogging the cutting surfaces
- Good service life

**Field of application:** For aluminium and non-ferrous metals such as copper, brass and bronze. Also highly suitable for most plastics.



Ø 115 and 125 mm suitable for battery-powered angle grinders

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1.2 x 22.23	4 1/2 x 3/64 x 7/8	13300	25		1111-150 100	111163
125 x 1.2 x 22.23	5 x 3/64 x 7/8	12250	25		1121-150 100	121063



## CS 46 ALU

Superior ★★★★★☆

Thin, easy-cutting 1.6-mm cutting disc for clean cuts in aluminium and other non-ferrous metals.

- No clogging of cutting surfaces
- Good service life

**Field of application:** For aluminium and non-ferrous metals such as copper, brass and bronze. Also highly suitable for most plastics.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
150 x 1.6 x 22.23	6 x 1/16 x 7/8	10200	25		1153-150 100	133066
180 x 1.6 x 22.23	7 x 1/16 x 7/8	8500	25		1183-150 100	143041
230 x 1.9 x 22.23	9 x 5/64 x 7/8	6650	25		1233-150 100	153033



## AS 24 R BAHN

Superior ★★★★★☆

Special disc for cutting all rail sections in next to no time.

- Good cutting speed

**Field of application:** For cutting new and compressed rail sections (such as UIC 60, S54 or S49).

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 3.5 x 22.23	12 x 1/8 x 7/8	5100	25		<b>1301-376 100</b>	161113
300 x 3.5 x 25.4	12 x 1/8 x 1	5100	25		<b>1301-377 100</b>	161120
350 x 4 x 22.23	14 x 5/32 x 7/8	5500	10		<b>1351-386 100</b>	171112
350 x 4 x 25.4	14 x 5/32 x 1	5500	10		<b>1351-387 100</b>	171129

# METAL CUTTING DISCS

## Mini cutting discs



### AS 46 T Mini

Superior ★★★★★☆

Mini cutting discs for use on straight grinders, cylindrical grinders, flexible shaft machines, drilling machines and hand-held milling tools for cutting steel, particularly sheet steel.

Please select the right bore!

- Good cutting speed
- Good service life

**Field of application:** Exceptionally suitable for thin sheet steel. Good performance with construction, tool and high-speed steel.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
50 x 1 x 6	2 x 1/25 x 1/4	30600	25		6405-006 100	642520
50 x 2 x 6	2 x 5/64 x 1/4	30600	25		6405-000 100	642421
60 x 2 x 6	2 3/8 x 5/64 x 1/4	25450	25		6406-001 100	642438
65 x 1 x 6	2 1/2 x 1/25 x 1/4	23500	25		6406-500 100	640038
76 x 1 x 6	3 x 1/25 x 1/4	20100	25		6407-637 100	642964
76 x 1.2 x 10	3 x 1/25 x 3/8	20100	25		6407-634 100	640045
76 x 1.6 x 10	3 x 1/16 x 3/8	20100	25		6407-622 100	642957



### Tensioning shaft for mini cutting discs

Superior ★★★★★☆

Tensioning shaft for attaching mini cutting and grinding discs on straight grinders, cylindrical grinders, flexible shaft machines, drilling machines and hand-held milling tools.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
Tensioning shaft, 6 mm x M6	6 mm	1/4 x M6	1	6400-001 100	642575
Tensioning shaft, 6 mm x M10	6 mm	1/4 x M10	1	6400-002 100	642582





## A 30 S

Perfect ★★★★★

All-purpose soft standard disc for stationary cutting machines.

- Good cutting speed
- Good service life

**Field of application:** Particularly suitable for construction steel and tool steel. Good performance on cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 3.5 x 25.4	12 x 1/8 x 1	5100	25		<b>2301-320 100</b>	260205
300 x 3.5 x 32	12 x 1/8 x 1 1/4	5100	25		<b>2301-340 100</b>	260229
350 x 3.5 x 25.4	14 x 1/8 x 1	4400	10		<b>2351-320 100</b>	270204
350 x 3.5 x 32	14 x 1/8 x 1 1/4	4400	10		<b>2351-340 100</b>	270228



## AS 30 S

Superior ★★★★★

Long service life, even when cutting materials of varying compositions. A long service life and high cutting performance result in efficient work with the AS 30 S Superior – from profiles, to pipes to solid materials.

- Good cutting speed
- Long service life
- Versatile uses

**Field of application:** For processing metal, construction steel and cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 3.5 x 25.4	12 x 1/8 x 1	6400	25		<b>2300-020 100</b>	260014
300 x 3.5 x 32	12 x 1/8 x 1 1/4	6400	25		<b>2300-040 100</b>	260038
350 x 3.5 x 25.4	14 x 1/8 x 1	5500	10		<b>2350-020 100</b>	270006
350 x 3.5 x 32	14 x 1/8 x 1 1/4	5500	10		<b>2350-040 100</b>	270037
400 x 4 x 25.4	16 x 5/32 x 1	4780	10		<b>2400-020 100</b>	280005
400 x 4 x 40	16 x 5/32 x 1 9/16	4780	10		<b>2400-050 100</b>	280043

# METAL CUTTING DISCS

Discs for stationary cutting machines / chop saws



## AS 36 T

Superior ★★★★★☆

High-quality special disc for chop saws (stationary cutting machines with a drive power of up to 2.4 kW/3 HP).

- Good cutting speed
- Good service life

**Field of application:** Good performance on construction steel, tool steel, sheet steel and cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 2.8 x 25.4	12 x 7/64 x 1	5100	25		2300-220 100	261103
350 x 3 x 25.4	14 x 1/8 x 1	4400	10		2350-220 100	271102
400 x 3.2 x 25.4	16 x 1/8 x 1	4780	10		2400-220 100	281101



## AS 36 S INOX

Superior ★★★★★☆

High-quality special disc for chop saws (stationary cutting machines with a drive power of up to 2.4 kW/3 HP). The special composition of the abrasive prevents rust from forming on the edges.

- Good cutting speed
- Good service life
- Iron- and sulphur-free

**Field of application:** For cutting stainless steel; good service life for standard steel as well.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 2.8 x 25.4	12 x 7/64 x 1	5100	25		2300-920 100	260151
350 x 3 x 25.4	14 x 1/8 x 1	4400	10		2350-920 100	270150

### User tip

When selecting cutting discs for use on stationary machines (from swing cutting machines up to fully automated machines with control consoles and a closed working area), please observe the maximum circumferential speed of 80 m/s or 100 m/s.

Osborn also supplies discs for so-called 'chop saws'. These are swing cutting machines with a drive power of up to 3 HP (2.4 kW). Stationary cutting discs must not be used on free hand machines under any circumstances!



Stone

Grinding discs

Flap discs

Abrasives



Polishing & Satinising

Industrial

Strip brushes

Diamond cutting discs

Diamond tools

## Stone cutting discs

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General information	52
Free hand cutting discs   Stone	55
Free hand cutting discs   Asphalt / Ductile	58

# STONE CUTTING DISCS

General information

## Important info at a glance

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 cutting discs are manufactured on modern production lines in keeping with the latest safety standards according to EN 12 413 and oSa requirements.

## DISC SPECIFICATIONS

**Dimensions**  
Outer diameter, disc thickness, diameter of the bore.  
Metric and imperial specifications.

**Field of application**  
STEIN / STONE  
PIERRE / PIEDRA  
PIETRA

**Colour coding system**  
Green – Stone cutting discs

**Type designation**  
Consists of the following information in the case of cutting discs:  
**C/CS** – Silicon carbide is the abrasive grain for cutting stone.  
**60** – Refers to the size of the grit.  
The higher the number, the finer the grit.  
E.g.: 24 coarse | 30 medium | 36 fine ...  
**R** – This letter stands for the degree of hardness of the disc.  
The higher the letter in the alphabet, the harder the disc.  
E.g.: Q soft | R medium hard | V hard  
**BF** – Resin cutting, reinforced with layers of glass fibre.

**Made in Germany**  
Stands for proven DRONCO quality. Our cutting discs are primarily produced and tested in Germany.

**max. speed**  
**max. circumferential speed**  
RPM MAX 12.250  
MAX. 80 m/s

**EAN code**  
4 081600 120042

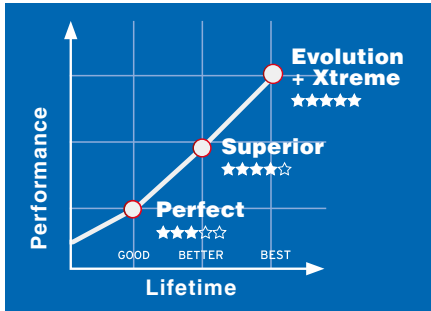
**Product safety**  
Our products meet the highest safety requirements and standards: EN 12413 – Cutting discs  
oSa – Organization for the Safety of Abrasives

**Expiry date (quarter/year)**  
**Quality line**  
PERFECT ★★★★★  
DRONCO C 60 R-BF

**Safety information**

- Observe instructions
- Use safety goggles
- Use hearing protection equipment
- Wear dust mask
- Wear gloves
- May not be used for grinding
- Do not use product if damaged

## 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.

### ★★★★☆ 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.



# STONE CUTTING DISCS

General information

## APPLICATION TABLE STONE CUTTING DISCS

	Page	Asphalt	Concrete	Roofing tiles	Porous concrete	Granite	Sand-lime brick	Clinker brick	Marble	Tiles	Fireproof clay	Slate	Terrazzo	Clay pipes	Exposed aggregate concrete	Bricks	Ductile pipes
<ul style="list-style-type: none"> <li>●● very suitable</li> <li>● suitable</li> <li>○ limited suitable</li> </ul>																	
<b>Free hand cutting discs, stone</b>																	
C 60 R Perfect	55		○	○	○	○		○	●●	●●	○	●●	○	○		○	
C 46 R Perfect	55		○	○	○	○		○	●●	●●	○	●●	○	○		○	
C 24 R Perfect	56	○	●	●	●	○	●	○	●	●	○	●	●	●	●	●	○
CS 24 R Special	57	○	●●	●●	●	●	●	●●	●	●	●	●	●	●●	●●	●●	○
<b>Free hand cutting discs, asphalt/ductile</b>																	
CS 30 Special	58	●●	●	●●	●●	○	●●	●	○	○	●	○	○	●	●	●	●●

### Thin cutting discs make your work faster

#### Extra speed

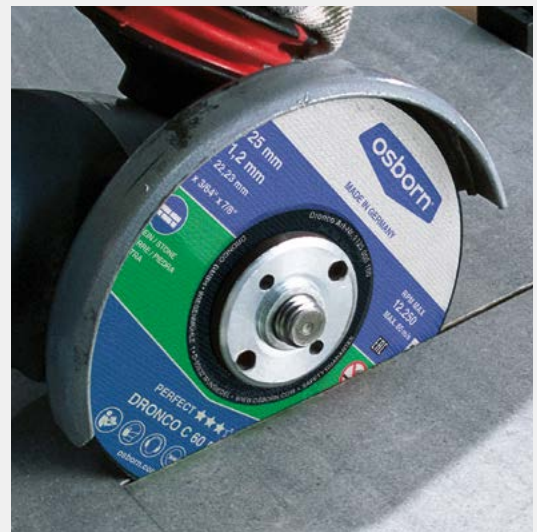
- Considerably higher cutting speed
- Cuts significantly faster

#### Extra precision

- Extremely clean cut
- Breakout-free edges with minimal burr
- Reduced loss of material

#### Extra comfort

- Minimal effort with same contact pressure
- Reduced noise
- Low vibrations
- Low dust formation





## C 60 R

Perfect ★★★★★

Thin cutting disc for stone. For significantly faster cutting down to the millimetre – with minimal effort.





- Incredibly faster and cleaner cut
- Breakout-free cutting edges
- Low-vibrations, smooth-running cutting disc
- Comfortable to use thanks to reduced noise generation
- Up to 50 % less dust formation during cutting

**Field of application:** For cutting stone slabs with thin material cross-section.

### Power-Pack tin

- 10 cutting discs in the popular metal tin
- An absolute sales hit, guaranteed to boost turnover



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 1.2 x 22.23	4 1/2 x 3/64 x 7/8	13300	25		<b>1115-000 100</b>	110043
125 x 1.2 x 22.23	5 x 3/64 x 7/8	12250	25		<b>1125-000 100</b>	120042
Power Pack tin						
115 x 1.2 x 22.23	4 1/2 x 3/64 x 7/8	13300	1 tin of 10 discs		<b>6900-955 100</b>	701074
125 x 1.2 x 22.23	5 x 3/64 x 7/8	12250	1 tin of 10 discs		<b>6900-965 100</b>	701081



## C 46 R

Perfect ★★★★★

Thin 230-mm cutting disc for stone. For precise, significantly faster cutting – with minimal effort.

- Work progresses quickly thanks to high cutting performance
- Very clean cut
- Breakout-free edges with minimal burr
- Low-vibrations, smooth-running cutting disc
- Comfortable to use thanks to reduced noise generation
- Up to 50% less dust formation during cutting

**Field of application:** For cutting stone slabs with thin material cross-section.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
230 x 1.9 x 22.23	9 x 5/64 x 7/8	6650	25		<b>1238-250 100</b>	157116

# STONE CUTTING DISCS

Free hand cutting discs | Stone



## C 24 R

Perfect ★★☆☆☆

The C 24 R disc for craftsmen has been proven a million times over and offers good performance at an affordable price.

- Fast cutting
- Good service life

**Field of application:** For construction site materials such as concrete, stones, roofing tiles, sand-lime brick.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 3 x 16	4 x 1/8 x 5/8	15300	25	—	<b>1105-015 100</b>	105001
100 x 3 x 16	4 x 1/8 x 5/8	15300	25	—	<b>1107-015 100</b>	107005
115 x 2,5 x 22,23	4 1/2 x 3/32 x 7/8	13300	25	—	<b>1115-060 100</b>	115024
115 x 2,5 x 22,23	4 1/2 x 3/32 x 7/8	13300	25	—	<b>1117-060 100</b>	117028
115 x 3 x 22,23	4 1/2 x 1/8 x 7/8	13300	25	—	<b>1115-015 100</b>	115000
115 x 3 x 22,23	4 1/2 x 1/8 x 7/8	13300	25	—	<b>1117-015 100</b>	117004
125 x 2,5 x 22,23	5 x 3/32 x 7/8	12250	25	—	<b>1125-060 100</b>	125023
125 x 2,5 x 22,23	5 x 3/32 x 7/8	12250	25	—	<b>1127-060 100</b>	127027
125 x 3 x 22,23	5 x 1/8 x 7/8	12250	25	—	<b>1125-015 100</b>	125009
125 x 3 x 22,23	5 x 1/8 x 7/8	12250	25	—	<b>1127-015 100</b>	127003
180 x 2,5 x 22,23	7 x 3/32 x 7/8	8500	25	—	<b>1185-060 100</b>	145021
180 x 3 x 22,23	7 x 1/8 x 7/8	8500	25	—	<b>1185-015 100</b>	145007
180 x 3 x 22,23	7 x 1/8 x 7/8	8500	25	—	<b>1187-015 100</b>	147001
230 x 2,5 x 22,23	9 x 3/32 x 7/8	6650	25	—	<b>1235-060 100</b>	155020
230 x 3 x 22,23	9 x 1/8 x 7/8	6650	25	—	<b>1235-015 100</b>	155006
230 x 3 x 22,23	9 x 1/8 x 7/8	6650	25	—	<b>1237-015 100</b>	157000
300 x 3,5 x 22,23	12 x 1/8 x 7/8	5100	25	—	<b>1305-225 100</b>	165098
















## CS 24 R

Superior ★★★★★☆

High-performance stone cutting disc for diverse applications on construction sites.

- Particularly easy-cutting disc with long service life
- Effective cutting with little effort

**Field of application:** For granite, concrete, bricks and other construction site materials, but also highly suitable for ceramic, porcelain and marble.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1116-015 100</b>	116007
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	25		<b>1118-015 100</b>	118001
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1126-015 100</b>	126006
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	25		<b>1128-015 100</b>	128000
180 x 3 x 22.23	7 x 1/8 x 7/8	8500	25		1186-015 100	146004
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1236-015 100</b>	156003
230 x 3 x 22.23	9 x 1/8 x 7/8	6650	25		<b>1238-015 100</b>	158007
300 x 4 x 20	12 x 5/32 x 3/4	5100	25		<b>1306-035 100</b>	166502
300 x 4 x 22.23	12 x 5/32 x 7/8	5100	25		<b>1306-036 100</b>	166019
350 x 4 x 20	14 x 5/32 x 3/4	5500	10		<b>1356-035 100</b>	176501
350 x 4 x 25.4	14 x 5/32 x 1	5500	10		<b>1356-037 100</b>	176025

# STONE CUTTING DISCS

Free hand cutting discs | Asphalt / Ductile



## CS 30 ASPHALT / DUKTIL

Superior ★★★★★☆

An extremely effective special disc that achieves outstanding results not only in the poured cement composition of ductile pipes but also in asphalt. Also offers excellent results with other building materials.

- Particularly easy-cutting disc with long service life
- Effective cutting with little effort

**Field of application:** For ductile pipes, aerated concrete, roofing tiles, sand-lime brick and clay products. Effective in asphalt (including with aggregates).

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
300 x 4 x 20	12 x 5/32 x 3/4	5100	25		1306-135 100	166040
350 x 4 x 20	14 x 5/32 x 3/4	5500	10		1356-135 100	176087

# Grinding discs

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General information	60
Grinding discs   Steel	63
Grinding discs   Stainless steel/steel	65
Grinding discs   Cast iron	69
Grinding discs   Aluminium	70
Mini grinding discs   Steel	71
Grinding discs   Stone	72

# GRINDING DISCS

General information

## Important info at a glance

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 grinding discs are manufactured on modern production lines in keeping with the latest safety standards according to EN 12413 and oSa requirements.

## DISC SPECIFICATIONS

**Dimensions**  
Outer diameter, disc thickness, diameter of the bore.  
Metric and imperial specifications.

**Field of application**

**Colour coding system**  
Red - colour used for grinding discs

**Features**  
Some of our products come with additional characteristics. These are highlighted on the label.

**Type designation**  
Consists of the following information in the case of grinding discs:  
**A/CS** - Aluminium oxide/silicon carbide (abrasive grain for grinding metal/stone)  
**AZ** - Zirconium corundum (abrasive grain for enhanced service life and grinding performance)  
**AK** - Ceramic grain is the innovative abrasive grain for a maximum service life and incredible removal rates  
**24** - Refers to the size of the grit. The higher the number, the finer the grit. E.g.: 24 coarse | 30 medium | 36 fine ...  
**V** - This letter stands for the degree of hardness of the disc. The higher the letter in the alphabet, the harder the disc. E.g.: Q soft | R medium hard | V hard  
**BF** - Resin bond, reinforced with layers of glass fibre

**Made in Germany**  
Stands for proven quality. Our grinding discs are primarily produced and tested in Germany.

**max. speed**  
**max. circumferential speed**

**EAN code**

**Product safety**  
Our products meet the highest safety requirements and standards:  
EN 12413 - Grinding discs  
oSa - Organization for the Safety of Abrasives

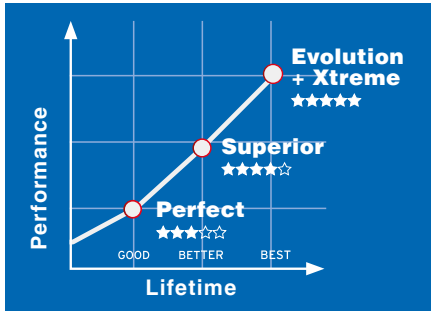
**Expiry date (quarter/year)**

**Quality line**

**Safety information**

- Observe instructions
- Use safety goggles
- Use hearing protection equipment
- Wear dust mask
- Wear gloves
- Do not use product if damaged

## 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 / 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.



# GRINDING DISCS

General information

## APPLICATION TABLE GRINDING DISCS

### Metal grinding discs

	Page	Unalloyed and alloyed construction steel	Very solid construction steel	Tool steel	High-alloy special steel	Steel sheet	Stainless steel sheet	Welded seams	Cast iron	Non-ferrous metals
<ul style="list-style-type: none"> <li>●● very suitable</li> <li>● suitable</li> <li>○ limited suitability</li> </ul>										
<b>Grinding discs for steel</b>										
A 30 T Perfect	63	●●	○	○		●		○	○	○
AS 30 R Superior	64	●●	●●	●●		●		●●	●	●
AS 24/30 T Superior	64	●●	●	●		●●		●●	○	●
<b>Grinding discs for stainless steel / steel</b>										
AS 30 S INOX Superior	65	●	●	●	●●	●	●●	●	●	○
AS 30 T INOX Superior	65	●	●	●●	●●	●	●●	●●	●	○
AZ 30 S Evolution	66	●●	●	●●	●●	●	●●	●●	●●	●
AZ 30 T Evolution	66	●●	●	●●	●●	●	●●	●●	●●	●
AK 36 T Evolution CeraMaxx	67	●●	●●	●●	●●	●●	●●	●●	●●	●
AK 24 V Evolution CeraMaxx	68	●●	●●	●●	●●	●●	●●	●●	●●	●
<b>Grinding discs for cast iron</b>										
AS 24 S Cast Iron Superior	69	○				○			●●	●●
<b>Grinding discs for aluminium</b>										
AS 46 Alu Superior	70	○				○			●	●●
<b>Mini grinding discs</b>										
AS 46 T Mini Superior	71	●	●	●	○	●	○	○	○	○

### Stone grinding discs

	Page	Concrete	Granite	Sand-lime brick	Clinker brick	Marble	Porcelain	Fireproof clay	Slate	Terrazzo	Clay pipes	Exposed aggregate concrete
<ul style="list-style-type: none"> <li>●● very suitable</li> <li>● suitable</li> <li>○ limited suitability</li> </ul>												
<b>Grinding discs for stone</b>												
CS 30 S Superior	72	●●	●	●●	●	●	●	●	●	●	●	●











## A 30 T

Perfect ★★★★★

Good all-purpose grinding disc with good service life.

**Field of application:** For sheet steel, structural steel and welding seams.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 6 x 16	4 x 1/4 x 5/8	15300	10		<b>3106-040 100</b>	300024
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-040 100</b>	310023
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-040 100</b>	320022
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		<b>3156-040 100</b>	330021
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-041 100</b>	340020
180 x 8 x 22.23	7 x 5/16 x 7/8	8500	10		<b>3188-040 100</b>	340082
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-041 100</b>	350029
230 x 8 x 22.23	9 x 5/16 x 7/8	6650	10		<b>3238-040 100</b>	350067

# GRINDING DISCS

Grinding discs | Steel



## AS 30 R

Superior ★★★★★☆

Very good grinding disc with particularly long service life.

**Field of application:** For all types of structural and tool steels, welding seams, cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-500 100</b>	313000
125 x 4 x 22.23	5 x 5/32 x 7/8	12250	10		<b>3124-500 100</b>	323016
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-500 100</b>	323009
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		<b>3156-500 100</b>	333008
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-500 100</b>	343014
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-500 100</b>	353006



## AS 24/30 T

Superior ★★★★★☆

Good all-purpose grinding disc with very long service life.

- Medium-hard bond for easy grinding
- High rate of removal
- Very long service life

**Field of application:** For high-strength construction steel, tool steel, high-speed steel and sheet steel.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-520 100</b>	313055
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-520 100</b>	323047
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		<b>3156-520 100</b>	333046
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-520 100</b>	343052
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-520 100</b>	353068





## AS 30 S INOX

Superior ★★★★★☆

Medium-hard special grinding disc with high grinding performance on stainless steel surfaces.

- Medium-hard bond
- High rate of material removal
- Iron- and sulphur-free

**Field of application:** For rust- and acid-resistant steels, high-alloy stainless steels, stainless steel sheeting.

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

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
100 x 6 x 16	4 x 1/4 x 5/8	15300	10		<b>3106-540 100</b>	303063
115 x 4 x 22.23	4 1/2 x 5/32 x 7/8	13300	10		<b>3114-540 100</b>	313093
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-540 100</b>	313062
125 x 4 x 22.23	5 x 5/32 x 7/8	12250	10		<b>3124-540 100</b>	323030
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-540 100</b>	323061
150 x 4 x 22.23	6 x 5/32 x 7/8	10200	10		<b>3154-540 100</b>	333053
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		<b>3156-540 100</b>	333060
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-540 100</b>	343090
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-540 100</b>	353051
Bosch quick-mount X-LOCK						
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	25		<b>3916-540 100</b>	313086
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	25		<b>3926-540 100</b>	320312



## AS 30 T INOX

Superior ★★★★★☆

Our premium grinding disc for stainless steel applications.

- Extremely long service life
- Very good removal rate
- Comfortable to use, minimised vibrations
- No clogging – no rattling
- Iron- and sulphur-free

**Field of application:** For rust- and acid-resistant steels, high-alloy stainless steels, stainless steel sheeting.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 7 x 22.23	4 1/2 x 9/32 x 7/8	13300	10		<b>3117-545 100</b>	313307
125 x 7 x 22.23	5 x 9/32 x 7/8	12250	10		<b>3127-545 100</b>	323306
180 x 7 x 22.23	7 x 9/32 x 7/8	8500	10		<b>3187-545 100</b>	343304
230 x 7 x 22.23	9 x 9/32 x 7/8	6650	10		<b>3237-545 100</b>	353303

# GRINDING DISCS

Grinding discs | Stainless steel/steel



## AZ 30 S INOX

Evolution ★★★★★

Powerful, medium-hard grinding disc with zirconium corundum.

- Phenomenal removal rates with low contact pressure
- Particularly long service life
- Comfortable to use, minimised vibrations
- Iron- and sulphur-free

**Field of application:** For rust- and acid-resistant steels, high-alloy stainless steels, stainless steel sheeting, non-ferrous metals, cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-560 100</b>	313253
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-560 100</b>	323252
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		<b>3156-560 100</b>	333251
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-560 100</b>	343250
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-560 100</b>	353259



## AZ 30 T INOX

Evolution ★★★★★

Grinding disc with 25% proportion of zirconium corundum.

- Extremely long service life
- High removal rates
- Attractive price-performance ratio
- Iron- and sulphur-free

**Field of application:** For rust- and acid-resistant steels, high-alloy stainless steels, non-ferrous metals, cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-550 100</b>	313215
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-550 100</b>	323214
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-550 100</b>	353266



## AK 36 T CeraMaxx

Evolution ★★★★★

The new AK 36 T CeraMaxx is the first 3-mm high-performance grinding disc with ceramic grain that does not require any backing pad and can also be used as a full-fledged cutting disc. It stands out thanks to phenomenally enhanced performance levels with respect to service life, grinding performance and user comfort.

- Minimal effort = protects people and machines
- Aggressive material removal at all times = ultimate productivity
- Smooth running and streamlined = comfortable handling
- Cool grinding without blue discolouration = no reworking
- Outstanding service life = fewer tool changes
- Iron- and sulphur-free

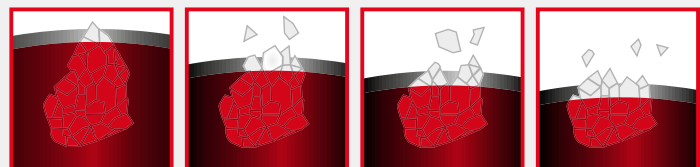
**Field of application:** This grinding disc is ideal for the most demanding grinding tasks such as: Preparing and removing welding seams, removing weld spatters, descaling and rough deburring, grinding work on metals, fettling. For stainless steel, steel, high-alloy steels, chromium steel, chrome nickel steel, non-ferrous metals. Ideal for users working in pipeline construction, shipyards, metal construction, foundries, commercial vehicle production, steel construction, plant engineering, crane construction and the manufacturing of building machines.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 3 x 22.23	4 1/2 x 1/8 x 7/8	13300	10		<b>3113-551 100</b>	311112
125 x 3 x 22.23	5 x 1/8 x 7/8	12250	10		<b>3123-551 100</b>	320145

### CeraMaxx

**Our strongest discs with latest-generation ceramic abrasive grain and performance enhanced to the ultimate**

CeraMaxx discs are among the fastest, most aggressive and durable on the market. They optimise the work process and save set-up time and labour costs while enhancing users' productivity and efficiency enormously.



The new bond technology and the micro-crystalline structure of the ceramic grain ensure that new, extremely sharp cutting edges are continually released in a targeted manner. This guarantees that the CeraMaxx cutting and grinding discs can always put in a top performance – from start to finish. For maximum cutting speed, removal rates and service life.

# GRINDING DISCS

Grinding discs | Stainless steel/steel



## AK 24 V CeraMaxx

Evolution ★★★★★

The new AK24 V CeraMaxx high-performance grinding disc is 7 mm thick and offers increased productivity with up to three times greater material removal than standard discs on the market. Further highlights include maximum aggressiveness along with comfortable handling, enhanced efficiency thanks to incredible service life and outstanding performance with low contact pressure.

- Minimal effort = protects people and machines
- Aggressive material removal at all times = ultimate productivity
- Smooth running and streamlined = comfortable handling
- Cool grinding without blue discolouration = no reworking
- Outstanding service life = fewer tool changes
- Iron- and sulphur-free

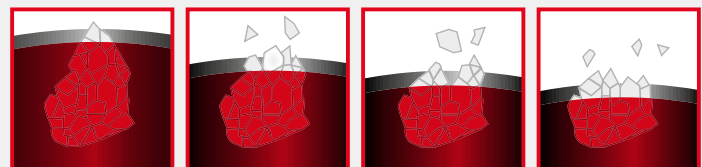
**Field of application:** This grinding disc is ideal for the most demanding grinding tasks such as: Preparing and removing welding seams, removing weld spatters, descaling and rough deburring, grinding work on metals, fettling. For stainless steel, steel, high-alloy steels, chromium steel, chrome nickel steel, non-ferrous metals. Ideal for users working in pipeline construction, shipyards, metal construction, foundries, commercial vehicle production, steel construction, plant engineering, crane construction and the manufacturing of building machines.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 7 x 22.23	4 1/2 x 9/32 x 7/8	13300	10		<b>3117-561 100</b>	313192
125 x 4 x 22.23	5 x 5/32 x 7/8	12250	10		3124-560 100	323191
125 x 7 x 22.23	5 x 9/32 x 7/8	12250	10		<b>3127-560 100</b>	323405
150 x 7 x 22.23	6 x 9/32 x 7/8	10200	10		3157-560 100	333084
180 x 7 x 22.23	7 x 9/32 x 7/8	8500	10		3187-560 100	343403
230 x 7 x 22.23	9 x 9/32 x 7/8	6650	10		3237-561 100	353211

### CeraMaxx

**Our strongest discs with latest-generation ceramic abrasive grain and performance enhanced to the ultimate**

CeraMaxx discs are among the fastest, most aggressive and durable on the market. They optimise the work process and save set-up time and labour costs while enhancing users' productivity and efficiency enormously.



The new bond technology and the micro-crystalline structure of the ceramic grain ensure that new, extremely sharp cutting edges are continually released in a targeted manner. This guarantees that the CeraMaxx cutting and grinding discs can always put in a top performance – from start to finish. For maximum cutting speed, removal rates and service life.



## AS 24 S CAST IRON

Superior ★★★★★☆

Special grinding disc for the industrial processing of cast iron. The disc has been specially designed for high removal rates with an exceptionally good service life. Its vibration behaviour and user friendliness during prolonged use were also key aspects during the development of the disc. No clogging, no rattling – a special tool for special applications.

- High removal rate
- Exceptionally good service life
- Comfortable to use, minimised vibrations
- No clogging – no rattling

**Field of application:** Cast iron.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
180 x 7 x 22.23	7 x 9/32 x 7/8	8500	10		3187-860 100	343182
230 x 7 x 22.23	9 x 9/32 x 7/8	6650	10		3237-860 100	353181

### Expert tip when using cast iron grinding discs

SiC cannot be used for grinding iron, as the iron reacts with the silicon carbide at high temperatures. Iron carbide forms, and the silicon carbide is converted into silicon. Iron carbide is hard, and the iron on the processing surface thus becomes harder. Silicon itself is a soft metal, so the abrasive grain becomes softer. While the reaction only occurs at high temperatures at the direct point of contact between the abrasive grain and the iron, it makes SiC unsuitable as an abrasive.

SiC is suitable for processing cast iron, as the carbon contained in the cast iron prevents it from being reduced to silicon.

# GRINDING DISCS

Grinding discs | Aluminium



## AS 46 ALU

Superior ★★★★★☆

Special grinding disc for processing aluminium and non-ferrous metals.

- High removal rate
- Long service life
- No clogging

**Field of application:** Copper, aluminium alloys, brass, bronze.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-580 100</b>	313079
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-580 100</b>	323078
150 x 6 x 22.23	6 x 1/4 x 7/8	10200	10		3156-580 100	333077
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-580 100</b>	343076
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-580 100</b>	353075





## AS 46 T MINI

Superior ★★★★★☆

Mini grinding discs for use on straight grinders, cylindrical grinders, angle grinders, flexible shaft machines and hand-held milling tools for grinding steel. Please select the right bore.

- Good removal rate
- Good service life

**Field of application:** For all types of construction and tool steel, high-speed steel, sheet steel.

Ø in mm	Ø in inches	RPM min-1	PU	Shape	Item code	EAN 4081600
60 x 6 x 6	2 3/8 x 1/4 x 1/4	25450	10		<b>6406-000 100</b>	642551
76 x 6 x 10	3 x 1/4 x 3/8	20100	10		<b>6407-600 100</b>	642742

**Please note:** Mini cutting discs can be found in the metal cutting discs section of the catalogue.



## Tensioning shaft for mini grinding discs

Superior ★★★★★☆

Tensioning shaft for attaching mini cutting and grinding discs on straight grinders, cylindrical grinders, flexible shaft machines, drilling machines and hand-held milling tools.

Ø in mm	Ø in inches	Dimension/piece	Contents/piece	Item code	EAN 4081600
Tensioning shaft, 6 mm x M6	6 mm	1/4	1	<b>6400-001 100</b>	642575
Tensioning shaft, 6 mm x M10	6 mm	1/4	1	<b>6400-002 100</b>	642582

# GRINDING DISCS

Grinding discs | Stone



## CS 30 S

Superior ★★★★★☆

Medium-hard grinding disc for processing stone and concrete.

- Very good removal rate
- Long service life
- For edge and surface grinding

**Field of application:** For stone and concrete.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	PU	Shape	Item code	EAN 4081600
115 x 6 x 22.23	4 1/2 x 1/4 x 7/8	13300	10		<b>3116-660 100</b>	313109
125 x 6 x 22.23	5 x 1/4 x 7/8	12250	10		<b>3126-660 100</b>	323108
180 x 6 x 22.23	7 x 1/4 x 7/8	8500	10		<b>3186-660 100</b>	343106
230 x 6 x 22.23	9 x 1/4 x 7/8	6650	10		<b>3236-660 100</b>	353105



## Flap discs

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General information	74
Flap discs with normal corundum	78
Flap discs with zirconium corundum	80
Flap discs with ceramic abrasive grain	90
Flap discs with ceramic grain or silicon carbide	92

# 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

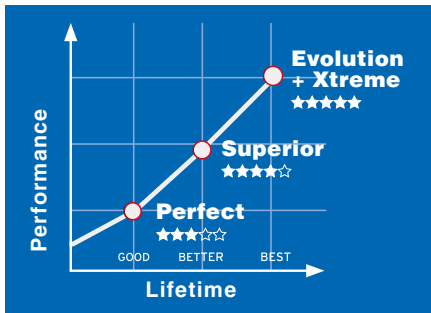
Shape of flap disc

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.

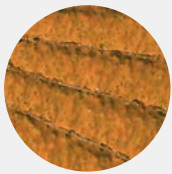


# FLAP DISCS

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.



**CERA MAXX**

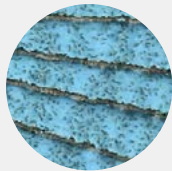
### Ceramic grain abrasive cloth

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**

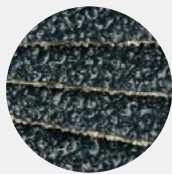
High-quality abrasive cloth with permanently self-sharpening ceramic abrasive grain. Guarantees an outstanding removal rate and a long service life. Cool grinding on surfaces and edges. Reduces discolourations on the tool surface. Robust polyester cloth for demanding grinding tasks on stainless steel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



**ZIRCON MAXX**

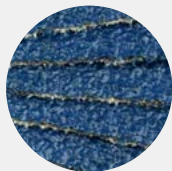
### Zirconium abrasive cloth

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.



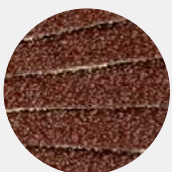
**ZIRCON PLUS  
ZIRCON FLX  
ZIRCON SPEED**

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.



**ALOX POWER  
ALOX GRIND+  
ALOX FINISH**

### Aluminium oxide abrasive cloth

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
<b>Flap discs normal corundum</b>														
Perfect ALOX POWER	78	●●	●●	●●	●	●●		●	●	●		●	●	
Evolution ALOX GRIND + FINISH	79	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
<b>Flap discs zirconium corundum</b>														
Perfect ZIRCON POWER	80	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Perfect ZIRCON TRIM	82	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Perfect ZIRCON JUMBO	83	●●	●●	●●	●●	●●	●●	●●	●●	●		●	●	
Superior ZIRCON PLUS	84	●●	●●	●●	●●	●●●	●●●	●●	●●●	●		●	●	
Superior ZIRCON PRIME G-AZ	85	●●	●●	●●	●●	●●●	●●●	●●	●●●	●		●	●	
Evolution ZIRCON SPEED	86	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
Evolution ZIRCON FLX	87	●●	●●	●●	●●	●●	●●	●	●●	●		●	●	
Evolution ZIRCON MAXX	88	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
<b>Flap discs ceramic grain</b>														
Superior CERA PLUS	90	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
Evolution CERA MAXX	91	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●		●	●	
<b>Flap discs silicon carbide</b>														
Perfect SIC POWER	92								●	●●	●●		●	●●

# 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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5231-004 100</b>	565300
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-006 100</b>	565317
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-007 100</b>	565324
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5231-009 100</b>	565331
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-004 100</b>	565508
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-006 100</b>	565515
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-007 100</b>	565522
125 x 22,23	5 x 7/8	12250	120	10		<b>5232-009 100</b>	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		<b>5231-204 100</b>	565409
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-206 100</b>	565416
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-207 100</b>	565423
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5231-209 100</b>	565430
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-204 100</b>	565607
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-206 100</b>	565614
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-207 100</b>	565621
125 x 22,23	5 x 7/8	12250	120	10		<b>5232-209 100</b>	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 <sup>-1</sup>	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		<b>5252-704 100</b>	565218
125 x 22,23	5 x 7/8	12250	80 + medium	10		<b>5252-706 100</b>	565225
125 x 22,23	5 x 7/8	12250	120 + fine	10		<b>5252-707 100</b>	565232

### Three different combinations



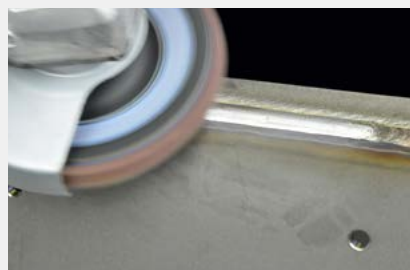
60 + coarse



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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5231-184 100</b>	560404
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-186 100</b>	560411
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-187 100</b>	560428
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-184 100</b>	560602
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-186 100</b>	560619
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-187 100</b>	560626
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5231-384 100</b>	560503
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-386 100</b>	560510
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-387 100</b>	560527
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5231-389 100</b>	560534
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-384 100</b>	560701
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-386 100</b>	560718
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-387 100</b>	560725
125 x 22,23	5 x 7/8	12250	120	10		<b>5232-389 100</b>	560732
180 x 22,23	7 x 7/8	8500	40	10		<b>5238-384 100</b>	560800
180 x 22,23	7 x 7/8	8500	60	10		<b>5238-386 100</b>	560817
180 x 22,23	7 x 7/8	8500	80	10		<b>5238-387 100</b>	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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5931-184 100</b>	560459
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5931-186 100</b>	560466
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5931-187 100</b>	560473
125 x 22,23	5 x 7/8	12250	40	10		<b>5932-184 100</b>	560657
125 x 22,23	5 x 7/8	12250	60	10		<b>5932-186 100</b>	560664
125 x 22,23	5 x 7/8	12250	80	10		<b>5932-187 100</b>	560671
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5931-384 100</b>	560558
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5931-386 100</b>	560565
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5931-387 100</b>	560572
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5931-389 100</b>	560589
125 x 22,23	5 x 7/8	12250	40	10		<b>5932-384 100</b>	560756
125 x 22,23	5 x 7/8	12250	60	10		<b>5932-386 100</b>	560763
125 x 22,23	5 x 7/8	12250	80	10		<b>5932-387 100</b>	560770
125 x 22,23	5 x 7/8	12250	120	10		<b>5932-389 100</b>	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 <sup>-1</sup>	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 <sup>-1</sup>	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 ★★★★★

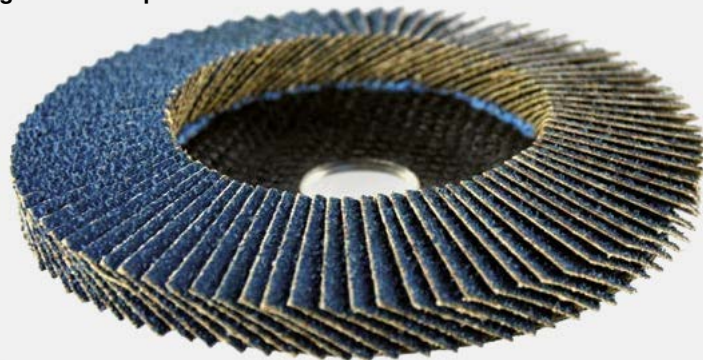
All-round flap disc with especially high number of flaps in a steep arrangement ensures higher grinding performance and comfortable handling. Equipped with zirconium corundum band on a cottonpolyester cloth. Very good removal rate with excellent service life.

- 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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5231-164 100</b>	560008
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-166 100</b>	560015
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-167 100</b>	560022
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-164 100</b>	560206
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-166 100</b>	560213
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-167 100</b>	560220
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5231-364 100</b>	560107
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5231-366 100</b>	560114
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5231-367 100</b>	560121
125 x 22,23	5 x 7/8	12250	40	10		<b>5232-364 100</b>	560305
125 x 22,23	5 x 7/8	12250	60	10		<b>5232-366 100</b>	560312
125 x 22,23	5 x 7/8	12250	80	10		<b>5232-367 100</b>	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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5241-104 100</b>	561104
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5241-106 100</b>	561111
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5241-107 100</b>	561128
125 x 22,23	5 x 7/8	12250	40	10		<b>5242-104 100</b>	561302
125 x 22,23	5 x 7/8	12250	60	10		<b>5242-106 100</b>	561319
125 x 22,23	5 x 7/8	12250	80	10		<b>5242-107 100</b>	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		<b>5241-304 100</b>	561203
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5241-306 100</b>	561210
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5241-307 100</b>	561227
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5241-309 100</b>	561234
125 x 22,23	5 x 7/8	12250	40	10		<b>5242-304 100</b>	561401
125 x 22,23	5 x 7/8	12250	60	10		<b>5242-306 100</b>	561418
125 x 22,23	5 x 7/8	12250	80	10		<b>5242-307 100</b>	561425
125 x 22,23	5 x 7/8	12250	120	10		<b>5242-309 100</b>	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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5211-104 100</b>	511505
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5211-106 100</b>	511512
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5211-107 100</b>	511529
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5211-109 100</b>	511543
125 x 22,23	5 x 7/8	12250	40	10		<b>5212-104 100</b>	521504
125 x 22,23	5 x 7/8	12250	60	10		<b>5212-106 100</b>	521511
125 x 22,23	5 x 7/8	12250	80	10		<b>5212-107 100</b>	521528
125 x 22,23	5 x 7/8	12250	120	10		<b>5212-109 100</b>	521542
180 x 22,23	7 x 7/8	8500	40	10		<b>5218-104 100</b>	541502
180 x 22,23	7 x 7/8	8500	60	10		<b>5218-106 100</b>	541519
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5211-304 100</b>	511109
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5211-306 100</b>	511116
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5211-307 100</b>	511123
115 x 22,23	4 1/2 x 7/8	13300	120	10		<b>5211-309 100</b>	511147
125 x 22,23	5 x 7/8	12250	40	10		<b>5212-304 100</b>	521207
125 x 22,23	5 x 7/8	12250	60	10		<b>5212-306 100</b>	521214
125 x 22,23	5 x 7/8	12250	80	10		<b>5212-307 100</b>	521221
125 x 22,23	5 x 7/8	12250	120	10		<b>5212-309 100</b>	521269
180 x 22,23	7 x 7/8	8500	40	10		<b>5218-304 100</b>	541014
180 x 22,23	7 x 7/8	8500	60	10		<b>5218-306 100</b>	541021

# FLAP DISCS

Flap discs with zirconium corundum



## ZIRCON SPEED







Evolution ★★★★★

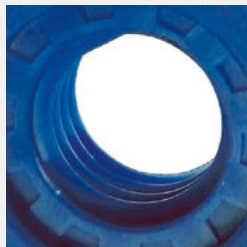
Premium flap disc with backing plate made of glass fibre reinforced plastic with M14 thread.

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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x M14	4 1/2 x M14	13300	40	10		<b>5151-154 100</b>	563504
115 x M14	4 1/2 x M14	13300	60	10		<b>5151-156 100</b>	563511
115 x M14	4 1/2 x M14	13300	80	10		<b>5151-157 100</b>	563528
125 x M14	5 x M14	12250	40	10		<b>5152-154 100</b>	563603
125 x M14	5 x M14	12250	60	10		<b>5152-156 100</b>	563610
125 x M14	5 x M14	12250	80	10		<b>5152-157 100</b>	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 <sup>-1</sup>	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 longservice 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 <sup>-1</sup>	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		<b>5251-304 100</b>	563801
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5251-306 100</b>	563818
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5251-307 100</b>	563825
125 x 22,23	5 x 7/8	12250	40	10		<b>5252-304 100</b>	564402
125 x 22,23	5 x 7/8	12250	60	10		<b>5252-306 100</b>	564419
125 x 22,23	5 x 7/8	12250	80	10		<b>5252-307 100</b>	564426











## ZIRCON MAXX X-LOCK

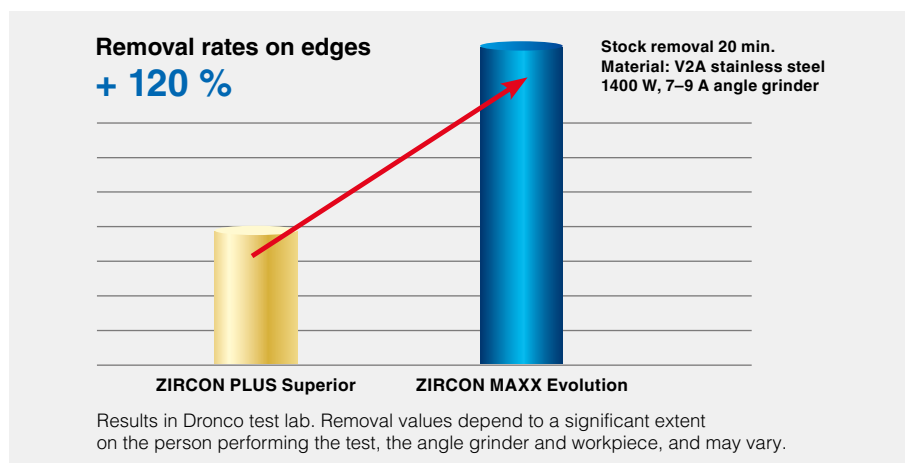
Evolution ★★★★★

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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5851-304 100</b>	563757
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5851-306 100</b>	563764
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5851-307 100</b>	563771
125 x 22,23	5 x 7/8	12250	40	10		<b>5852-304 100</b>	563955
125 x 22,23	5 x 7/8	12250	60	10		<b>5852-306 100</b>	563962
125 x 22,23	5 x 7/8	12250	80	10		<b>5852-307 100</b>	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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5241-434 100</b>	561708
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5241-436 100</b>	561715
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5241-437 100</b>	561722
125 x 22,23	5 x 7/8	12250	40	10		<b>5242-434 100</b>	561906
125 x 22,23	5 x 7/8	12250	60	10		<b>5242-436 100</b>	561913
125 x 22,23	5 x 7/8	12250	80	10		<b>5242-437 100</b>	561920
Bosch quick-mount X-LOCK							
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5941-444 100</b>	561753
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5941-446 100</b>	561760
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5941-447 100</b>	561777
125 x 22,23	5 x 7/8	12250	40	10		<b>5942-444 100</b>	562057
125 x 22,23	5 x 7/8	12250	60	10		<b>5942-446 100</b>	562064
125 x 22,23	5 x 7/8	12250	80	10		<b>5942-447 100</b>	562071



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

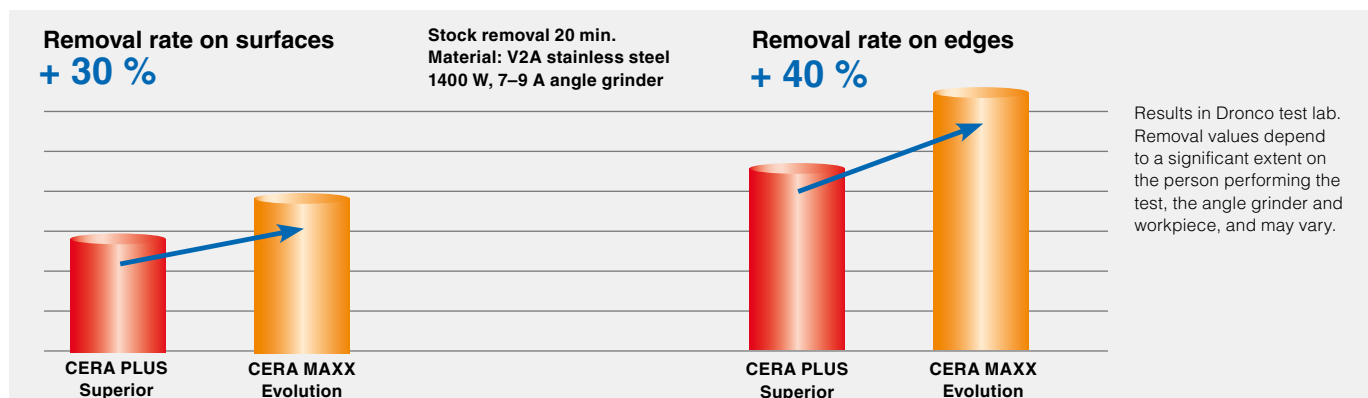
## CERA MAXX Evolution ★★★★★

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 <sup>-1</sup>	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		<b>5252-444 100</b>	564808
125 x 22,23	5 x 7/8	12250	60	10		<b>5252-446 100</b>	564815
125 x 22,23	5 x 7/8	12250	80	10		<b>5252-447 100</b>	564822



# 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 <sup>-1</sup>	Grit	PU	Shape	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	40	10		<b>5851-444 100</b>	564556
115 x 22,23	4 1/2 x 7/8	13300	60	10		<b>5851-446 100</b>	564563
115 x 22,23	4 1/2 x 7/8	13300	80	10		<b>5851-447 100</b>	564570
125 x 22,23	5 x 7/8	12250	40	10		<b>5852-444 100</b>	564754
125 x 22,23	5 x 7/8	12250	60	10		<b>5852-446 100</b>	564761
125 x 22,23	5 x 7/8	12250	80	10		<b>5852-447 100</b>	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 <sup>-1</sup>	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

## Abrasives

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Fibre discs for use on angle grinders	94
Semi-flexible grinding discs for angle grinders	96
Backing pads for angle grinders	97
Grinding cups for angle grinders	98
Ceramic bonded grinding discs	99
Flap wheels	99
Sanding drums	99
Economy rolls for manual sanding	100

# ABRASIVES

Fibre discs for use on angle grinders



## FIBER A

Perfect ★★☆☆☆

Fibre discs with normal corundum for mechanical processing of metals.

- High removal rates
- Good service life
- PLEASE NOTE: A backing pad is required for mounting the disc on the angle grinder!

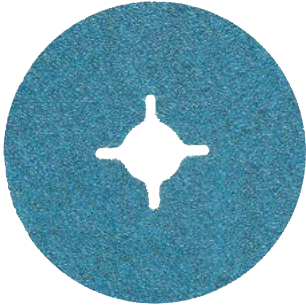
**Field of application:** For processing metal and cast iron. Also suitable for wood.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
A 16 Fiber	115 x 22	4 1/2 x 7/8	25	6011-000 000	601008
A 16 Fiber	125 x 22	5 x 7/8	25	6012-000 000	602005
A 16 Fiber	180 x 22	7 x 7/8	25	6018-000 000	604009
A 24 Fiber	115 x 22	4 1/2 x 7/8	25	6011-001 000	601015
A 24 Fiber	125 x 22	5 x 7/8	25	6012-001 000	602012
A 24 Fiber	180 x 22	7 x 7/8	25	6018-001 000	604016
A 36 Fiber	115 x 22	4 1/2 x 7/8	25	6011-003 000	601039
A 36 Fiber	125 x 22	5 x 7/8	25	6012-003 000	602036
A 36 Fiber	180 x 22	7 x 7/8	25	6018-003 000	604030
A 40 Fiber	115 x 22	4 1/2 x 7/8	25	6011-004 000	601046
A 40 Fiber	125 x 22	5 x 7/8	25	6012-004 000	602043
A 40 Fiber	180 x 22	7 x 7/8	25	6018-004 000	604047
A 50 Fiber	115 x 22	4 1/2 x 7/8	25	6011-005 000	601053
A 50 Fiber	125 x 22	5 x 7/8	25	6012-005 000	602050
A 60 Fiber	115 x 22	4 1/2 x 7/8	25	6011-006 000	601060
A 60 Fiber	125 x 22	5 x 7/8	25	6012-006 000	602067
A 60 Fiber	180 x 22	7 x 7/8	25	6018-006 000	604061
A 80 Fiber	115 x 22	4 1/2 x 7/8	25	6011-007 000	601077
A 80 Fiber	125 x 22	5 x 7/8	25	6012-007 000	602074
A 80 Fiber	180 x 22	7 x 7/8	25	6018-007 000	604078
A 100 Fiber	115 x 22	4 1/2 x 7/8	25	6011-008 000	601084
A 100 Fiber	125 x 22	5 x 7/8	25	6012-008 000	602081
A 100 Fiber	180 x 22	7 x 7/8	25	6018-008 000	604085
A 120 Fiber	115 x 22	4 1/2 x 7/8	25	6011-009 000	601091
A 120 Fiber	125 x 22	5 x 7/8	25	6012-009 000	602098
A 120 Fiber	180 x 22	7 x 7/8	25	6018-009 000	604092

Please see the following pages for the right backing pad.

### Did you know ...

Fibre discs are highly suitable for all types of grinding work. They stand out for their high removal rates and long service life. Matching backing pads complete the range.



## FIBER AZ

Superior ★★★★★☆

High-performance fibre disc with zirconium corundum for processing stainless steel.

- High removal rates
- Very good service life
- PLEASE NOTE: A backing pad is required for mounting the disc on the angle grinder!

**Field of application:** For processing stainless steel and steel.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
AZ 36 Fiber	125 x 22	5 x 7/8	25	<b>6722-333 000</b>	674859
AZ 50 Fiber	125 x 22	5 x 7/8	25	<b>6722-335 000</b>	674866
AZ 60 Fiber	125 x 22	5 x 7/8	25	<b>6722-336 000</b>	674873
AZ 80 Fiber	125 x 22	5 x 7/8	25	<b>6722-337 000</b>	674880

Please see the following pages for the right backing pad.



## FIBER AK

Evolution ★★★★★★

High-performance fibre disc with self-sharpening ceramic grain and active additives for continuously aggressive removal rates together with a long service life.

- Aggressive removal rates
- Self-sharpening ceramic grain
- Very good service life
- PLEASE NOTE: A backing pad is required for mounting the disc on the angle grinder!

**Field of application:** For surface grinding stainless steel, chromium steel, chrome-nickel steel, high-alloy steels, titanium alloys, brass and bronze.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
AK 36+ Fiber	115 x 22.23	4 1/2 x 7/8	25	<b>6011-814 000</b>	601718
AK 36+ Fiber	125 x 22.23	5 x 7/8	25	<b>6012-814 000</b>	602715
AK 60 Fiber	115 x 22.23	4 1/2 x 7/8	25	<b>6011-816 000</b>	601732
AK 60 Fiber	125 x 22.23	5 x 7/8	25	<b>6012-816 000</b>	602739
AK 80 Fiber	115 x 22.23	4 1/2 x 7/8	25	<b>6011-817 000</b>	601749
AK 80 Fiber	125 x 22.23	5 x 7/8	25	<b>6012-817 000</b>	602746

Please see the following pages for the right backing pad.

# ABRASIVES

Semi-flexible grinding discs for angle grinders



## SIC – semi-flexible

Perfect ★★☆☆☆

Semi-flexible grinding disc coated with silicon carbide. The special disc structure results in a higher removal rate than with a fibre disc, but a coarser finish as well. Special feature: Type SC 24 is also used for hoof care.

- High removal rates
- Very good service life
- PLEASE NOTE: A backing pad is required for mounting the disc on the angle grinder!

**Field of application:** For grinding stone, steel, stainless steel, aluminium and plastic. Also used for hoof care (SC 24).

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
SC 16	115 x 22	4 1/2 x 7/8	5	6121-100 000	615104
SC 16	125 x 22	5 x 7/8	5	6122-100 000	615302
SC 16	180 x 22	7 x 7/8	5	6123-100 000	615500
SC 24	115 x 22	4 1/2 x 7/8	5	6121-101 000	615111
SC 24	125 x 22	5 x 7/8	5	6122-101 000	615319
SC 24	180 x 22	7 x 7/8	5	6123-101 000	615517
SC 36	115 x 22	4 1/2 x 7/8	5	6121-103 000	615135
SC 36	125 x 22	5 x 7/8	5	6122-103 000	615333
SC 36	180 x 22	7 x 7/8	5	6123-103 000	615531
SC 40	115 x 22	4 1/2 x 7/8	5	6121-104 000	615142
SC 40	125 x 22	5 x 7/8	5	6122-104 000	615340
SC 40	180 x 22	7 x 7/8	5	6123-104 000	615548
SC 60	115 x 22	4 1/2 x 7/8	5	6121-106 000	615166
SC 60	125 x 22	5 x 7/8	5	6122-106 000	615364
SC 60	180 x 22	7 x 7/8	5	6123-106 000	615562
SC 80	115 x 22	4 1/2 x 7/8	5	6121-107 000	615173
SC 80	125 x 22	5 x 7/8	5	6122-107 000	615371
SC 80	180 x 22	7 x 7/8	5	6123-107 000	615579

Please see the following pages for the right backing pad.

### Backing pad required in all cases

A corresponding backing pad is necessary in all cases when using fibre discs and semi-flexible grinding discs. The backing pad ensures that the tool is kept in the right position on the machine. Ideal working conditions and the ability to work quickly and efficiently are thereby ensured.





## Backing pads

Perfect ★★☆☆☆

Safety when using fibre and semi-flexible grinding discs on the angle grinder. Good grinding finish due to the cushioning effect and elasticity of the backing pad.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
M14 with velcro	115	4 1/2	1	<b>6211-205 000</b>	621020
M14 with velcro	125	5	1	<b>6212-205 000</b>	622027
M14 with velcro	180	7	1	<b>6218-205 000</b>	624021
M10 without velcro	115	4 1/2	1	<b>6211-100 000</b>	621013
M14 without velcro	115	4 1/2	1	<b>6211-105 000</b>	621006
M14 without velcro	125	5	1	<b>6212-105 000</b>	622003
M14 without velcro	180	7	1	<b>6218-105 000</b>	624007



## Ribbed backing pad

Superior ★★★★★

High-performance backing pad with radial ribs for optimal cooling. Medium-hard rubber for aggressive machining.

Designation	Ø in mm	Ø in inches	PU	Item code	EAN 4081600
M14 ribbed	115	4 1/2	1	<b>6211-110 000</b>	621099
M14 ribbed	125	5	1	<b>6212-110 000</b>	622096
M14 ribbed	180	7	1	<b>6218-110 000</b>	624090

# ABRASIVES

Grinding cups for angle grinders



## Grinding cup, metal

Perfect ★★☆☆☆

Resin bonded, conical grinding cup for coarse grinding work on metals. The slightly slanted grinding cup also enables the processing of welding seams.

- Available in three grits
- PLEASE NOTE: Max. 8,500 RPM at 50 m/s

**Field of application:** For processing metal.

Designation	Structure	Ø in mm	PU	Item code	EAN 4081600
AS 16 Q	Coarse	110/90 x 55 x 22.23	1	<b>6311-000 100</b>	631005
AS 24 Q	Medium	110/90 x 55 x 22.23	1	<b>6311-001 100</b>	631012
AS 36 Q	Fine	110/90 x 55 x 22.23	1	<b>6311-003 100</b>	631036



## Grinding cup, stone

Perfect ★★☆☆☆

Resin bonded, conical grinding cup for the surface grinding of natural and synthetic stones.

- High removal rates
- Available in four grits
- PLEASE NOTE: Max. 8,500 RPM at 50 m/s

**Field of application:** Universal use for all types of stone.

Designation	Structure	Ø in mm	PU	Item code	EAN 4081600
CS 16 N	Coarse	110/90 x 55 x 22,23	1	6311-010 100	631050
CS 16 N	Coarse	110/90 x 55 x M14	1	<b>6311-009 100</b>	631104
CS 24 N	Medium	110/90 x 55 x 22,23	1	6311-011 100	631029
CS 24 N	Medium	110/90 x 55 x M14	1	<b>6311-012 100</b>	631166
CS 36 N	Medium	110/90 x 55 x M14	1	<b>6311-014 100</b>	631173
CS 60 N	Fine	110/90 x 55 x 22,23	1	6311-016 100	631074
CS 60 N	Fine	110/90 x 55 x M14	1	<b>6311-022 100</b>	631111
CS 120 N	Very fine	110/90 x 55 x 22,23	1	6311-019 100	631081

### User Tip

These resin bonded, conical grinding cups are ideal for coarse grinding work thanks to their extremely high removal rates. The maximum operating speed should not exceed 50 m/s. Not all angle grinders are suitable. Please note the shaft length of your angle grinder. A clamping area of at least 16 mm is required for proper assembly.



## Grinding discs for bench grinders

Perfect ★★☆☆

These vitrified grinding discs were developed especially for use on bench grinders. They are supplied with a bore size of 32 mm with an inserted bushing that reduces the size to 20 mm.

**Field of application:** For metal and carbide.

Designation	Structure	Ø in mm	PU	Item code	EAN 4081600
NK 24	Coarse	150 x 20 x 32/20	1	<b>6561-500 000</b>	656039
NK 24	Coarse	175 x 20 x 32/20	1	<b>6561-700 000</b>	656060
NK 24	Coarse	200 x 20 x 32/20	1	<b>6562-000 000</b>	656091
NK 60	Medium	175 x 20 x 32/20	1	<b>6561-710 000</b>	656077
NK 60	Medium	200 x 20 x 32/20	1	<b>6562-010 000</b>	656114
SIC 80	Fine	150 x 20 x 32/20	1	<b>6561-520 000</b>	656053
SIC 80	Fine	175 x 20 x 32/20	1	<b>6561-720 000</b>	656084
SIC 80	Fine	200 x 20 x 32/20	1	<b>6562-020 000</b>	656107

## Flap wheels

### Good to know ...

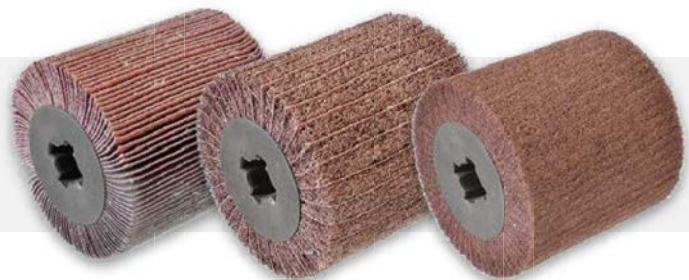
Flap wheels for operating on high-speed machines can be found starting on page 162.



## Sanding drums

### Good to know ...

Sanding drums for operating on stationary and finishing machines can be found starting on page 186.



# ABRASIVES

Economy rolls for manual sanding

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## Economy roll, brown

Perfect ★★☆☆☆

Premium quality, resin bonded all-purpose abrasive band for manual sanding in a handy dispenser. Particularly suitable for metals and stainless steel. Flexible cotton cloth is easy to tear off.

- Length: 50 m
- Backing material: Highly flexible J-cloth
- Abrasive grain: aluminium oxide
- Coating: close
- Bond: resin

**Field of application:** All-purpose abrasive band for metal and stainless steel.

Dimensions	Grit	PU	Item code	EAN 4081600
50 mm x 50 m	60	1 roll	6790-073 000	679731
50 mm x 50 m	80	1 roll	6790-074 000	679748
50 mm x 50 m	120	1 roll	6790-075 000	679755
50 mm x 50 m	180	1 roll	6790-076 000	679762
50 mm x 50 m	240	1 roll	6790-077 000	679779

## Cleaning tools for angle grinders

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General information	102
Wheel brushes	104
Cup brushes	110
Bevel brushes	120
Polishing flap discs	124
Polishing wheels	126
Coarse cleaning fleeces	127
Kits	128
Accessories	129
Brushes for cordless tools	130



Polishing &  
Satinising

Industrial

Strip brushes

Diamond  
cutting discs

Diamond tools

# 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 <sup>-1</sup>	11,000 min <sup>-1</sup>	8,500 min <sup>-1</sup>	8,500 min <sup>-1</sup>	6,500 min <sup>-1</sup>

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



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

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


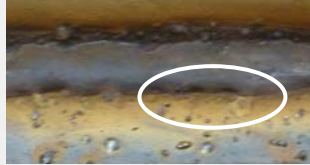

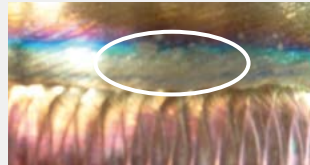
		Brush diameter in mm													
		60	65	75	80	90	100	115	120	125	130	140	150	178	230
Wheel brush	Knotted						115	115		125			150	180	230
	Crimped						115	115							
	Abrasive										150*	150*			
Bevel brush	Knotted						115	115		125					
	Crimped						115	115							
	Abrasive						115*	115/115*							
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 discolouration 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	
			
<b>Slag</b> Residue formed when the electrodes wear.	<b>Spatters</b> Abrasive discs remove these residues.	<b>Silicates</b> They form when silicone, present in most steel alloys, is burnt during the welding process and turn to silicone dioxide.	<b>Blue discolouration</b> 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.

[www.osborn.de/en/welding-matrix](http://www.osborn.de/en/welding-matrix)



# CLEANING TOOLS FOR ANGLE GRINDERS

Wheel brushes



## Wheel brushes, knotted wire

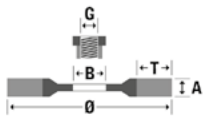
Superior ★★★★★

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

Appearance can vary from picture depending on variant.



Available in practical box packaging with Euro-standard hole.



Ø	A	T	B	G	Adapt.	RPM max.	PU	■ Steel / 0.35 ■	■ Steel / 0.50 ■	■ Steel / 0.80 ■
								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	<b>0002-621 151</b>	
115	12	23	22,2		F	12500	10	<b>0002-631 131</b>	<b>0002-631 151</b>	
115	12	23		M14x2,0		12500	6	<b>0402-631 131</b>	<b>0402-631 151</b>	
115	6	19	22,2			12500	10	<b>9502-626 301</b>	<b>9502-626 501</b>	
125	13	28	22,2		F	12500	8	<b>6152-631 131</b>	<b>2202-631 151</b>	
125	13	28		M14x2,0		12500	8	1402-631 131	<b>1402-631 151</b>	
125	6	24	22,2			12500	8	9502-626 311	<b>9502-626 251</b>	
150	13	37	22,2		F	12000	5	<b>0002-641 131</b>	<b>0002-641 151</b>	<b>0002-641 181</b>
178	13	42	22,2		F	10000	6	<b>0002-653 131</b>	<b>0002-653 151</b>	<b>0002-653 181</b>
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	<b>0002-631 331</b>	0002-631 351	
115	12	23		M14x2,0		12500	4		<b>0402-631 351</b>	
125	6	24	22,2			12000	3		<b>9502-626 651</b>	
125	13	28	22,2		F	12500	3	<b>2202-631 331</b>	<b>2202-631 351</b>	
125	13	28		M14x2,0		12500	3		<b>1402-631 351</b>	
150	13	37	22,2		F	12000	3		<b>0002-641 351</b>	
178	13	42	22,2		F	12000	3		<b>0002-653 351</b>	
178	13	42	22,2		F	10000	12	4612-626 331		



## X-LOCK

■ Steel / 0,35 ■

■ Steel / 0,50 ■

Ø	A	T	Adapt.	RPM max.	PU	Order no.	Order no.
125	13	28	X-LOCK	12500	8	<b>6154-631 131</b>	
125	13	28	X-LOCK	12500	8		<b>2204-631 151</b>
125	6	24	X-LOCK	12500	8		<b>9504-626 251</b>

## X-LOCK

■ INOX / 0,35 ■

■ INOX / 0,50 ■

Ø	A	T	Adapt.	RPM max.	PU	Order no.	Order no.
125	13	28	X-LOCK	12500	8	<b>2204-631 331</b>	
125	13	28	X-LOCK	12500	8		<b>2204-631 351</b>



## Wheel brushes, knotted wire

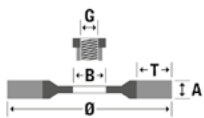
Perfect ★★☆☆☆

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

- Agressive and speedy cleaning
- Good removal rate

**Applications:** Weld cleaning and simple rust removal work

Appearance can vary from picture depending on variant.



Available in practical PET packaging with Euro-standard hole.



■ Steel / 0.50 ■

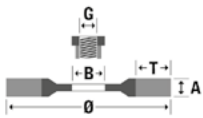
Ø	A	T	B	G	Adapt.	RPM max.	PU	Order no.
115	10	20	22.2			12500	10	<b>2008-631 151</b>
125	12	27	22.2			12500	8	<b>2118-631 151</b>

# CLEANING TOOLS FOR ANGLE GRINDERS

Wheel brushes



Appearance can vary from picture depending on variant.



## 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

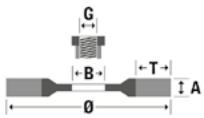
■ Steel / 0.35 ■

■ 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	<b>1212-631 131</b>	<b>1212-631 151</b>



Appearance can vary from picture depending on variant.



## Wheel brushes, knotted Osborn wire

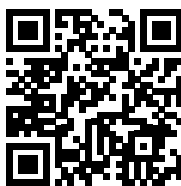
Evolution ★★★★★

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	<b>9906-026 117</b>	
115	6	19	7/8"		F	12500	12	<b>2906-026 501</b>	<b>0002-626 650</b>
125	6	24	7/8"		F	12500	12	<b>0002-626 251</b>	<b>0002-626 651</b>
150	6	38	7/8"		F	12000	12	<b>9906-026 501</b>	
150	6	38		M14x2.0		12000	10	9906-026 500	
165	6	29	7/8"		F	10000	12	<b>0002-626 061</b>	
171	6	29	7/8"		F	12000	12	<b>9706-026 904</b>	
178	6	38	22.2		F	12000	12	<b>9906-026 051</b>	



### Treatment of weld seams When do I use what?

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

[www.osborn.de/en/welding-matrix](http://www.osborn.de/en/welding-matrix)

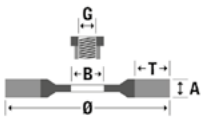


# CLEANING TOOLS FOR ANGLE GRINDERS

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

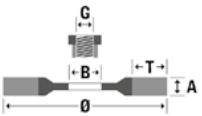
■ Osborn steel / 0.50 ■

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	<b>9802-921 873</b>
178	6	38	22.2	8500	1	<b>9802-921 875</b>

\*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

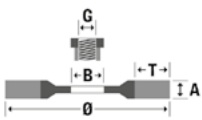
**Applications:** Removal of silicate and weld residues, recommended for root seams welded using TIG/MIG/MAG

■ 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	<b>0002-921 874</b>
178	5	41	22.2		8500	12	<b>0002-921 875</b>
178	3	41	22.2		8000	1	7702-921 875



Appearance can vary from picture depending on variant.



## 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.

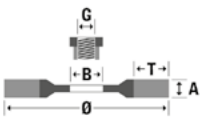


■ Cordwire / 0.27 ■

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



Appearance can vary from picture depending on variant.



## 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<sup>-1</sup>

■ 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	<b>5421-401 913</b>	<b>5411-401 913</b>	<b>5401-401 913</b>

■ Novofil / 120 ■

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

# CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



## Cup brushes, knotted wire

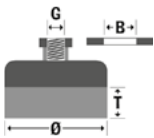
Superior ★★★★★

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

Appearance can vary from picture depending on variant.



Available in practical box packaging with Euro-standard hole.



Ø	T	B	G	RPM max.	PU	Steel / 0.35	Steel / 0.50
						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

Ø	T	B	G	RPM max.	PU	INOX / 0.35	INOX / 0.50
						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.



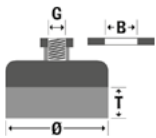
Ø	T	Adapt.	RPM max.	PU	Steel / 0.35	Steel / 0.50
					Order no.	Order no.
65	20	X-LOCK	12500	10	0004-608 131	0004-608 151



Ø	T	Adapt.	RPM max.	PU	INOX / 0.35	INOX / 0.50
					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)

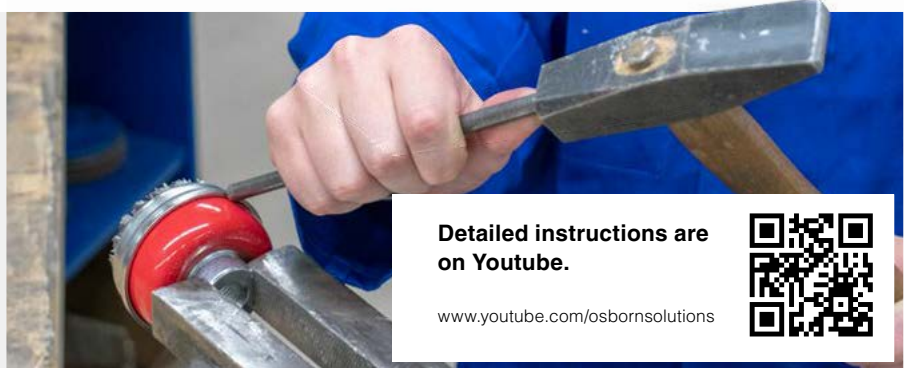
**Applications:** Rust removal, paint stripping, removing slag, silicate residuals and blue discolouring

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](http://www.youtube.com/osbornsolutions)



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

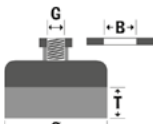
Ø	T	G	Max. RPM	PU	■ INOX / 0.35 ■	■ INOX / 0.50 ■
					Order no.	Order no.
80	20	M14x2.0	8500	3	0002-608 333	<b>0002-608 353</b>
100	20	M14x2.0	8500	3	0002-608 334	<b>0002-608 354</b>

# 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 discoloration, cleaning of fill layers and surfaces in the oil and gas industries

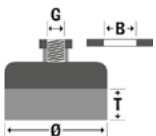
■ Osborn Steel / 0.50 ■

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

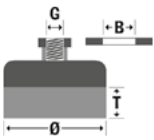
■ Steel / 0.50 ■

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





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	<b>0002-613 141</b>	<b>0002-613 161</b>	<b>0002-613 361</b>
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	<b>0002-613 142</b>	<b>0002-613 162</b>	<b>0002-613 362</b>
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	<b>0004-613 161</b>		
60	20	X-LOCK	12500	10		<b>0004-613 361</b>	
75	23	X-LOCK	12500	10	<b>0004-613 161</b>		
75	23	X-LOCK	12500	10		<b>0004-613 362</b>	

# CLEANING TOOLS FOR ANGLE GRINDERS

## Cup brushes



Appearance can vary from picture depending on variant.



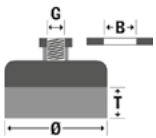
## Cup brushes, crimped wire

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	<b>0002-613 143</b>	<b>0002-613 163</b>	
80	25	M14x2.0	8500	5			<b>0002-613 193</b>
100	30	M14x2.0	8500	3	0002-613 144		<b>0002-613 194</b>
100	30	M14x2.0	8500	4		<b>0002-613 164</b>	
100	30	5/8"	8500	3	0802-613 144	0802-613 164	0802-613 194
125	30	M14x2.0	6500	4		<b>0002-613 165</b>	<b>0002-613 195</b>
125	30	5/8"	6500	4		0802-613 165	
150	40	M14x2.0	6500	3		<b>0002-613 166</b>	<b>0002-613 196</b>
150	40	5/8"	6500	3		0802-613 166	

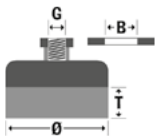
  

Ø	T	G	RPM max.	PU	■ INOX / 0.30 ■		
					Order no.		
80	25	M14x2.0	8500	4	<b>0002-613 363</b>		
80	25	M14x2.0	8500	5			
80	25	5/8"	8500	4	0802-613 363		
100	25	M14x2.0	8500	3	<b>0002-613 364</b>		
100	30	5/8"	8500	3	0802-613 364		
125	30	M14x2.0	6500	2	<b>0002-613 365</b>		

\*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	<b>2008-613 161</b>	<b>2008-613 061</b>
75	25	M14x2.0	12500	10	<b>2008-613 162</b>	<b>2008-613 062</b>
80	25	M14x2.0	8500	10	<b>2008-613 163</b>	<b>2008-613 063</b>
100	25	M14x2.0	8500	5	<b>2008-613 164</b>	<b>2008-613 064</b>
125	30	M14x2.0	6500	5	<b>2008-613 165</b>	<b>2008-613 065</b>

# CLEANING TOOLS FOR ANGLE GRINDERS

Cup brushes



## Xtreme cup brushes, stranded crimped wire

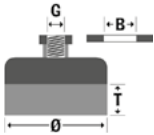
Xtreme ★★★★★

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

Appearance can vary from picture depending on variant.



You can find more information about our new Xtreme products on page 117.

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:

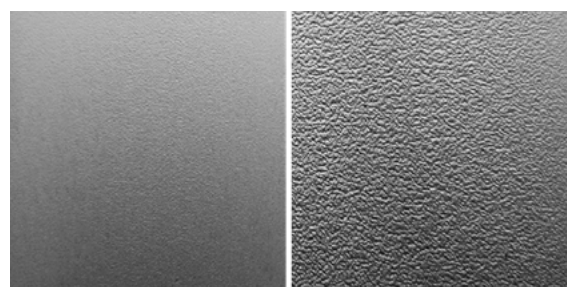
- Lifetime is 5-8 times higher than brushes with conventional wire
- Higher stock removal rate
- Reduced wear
- Fewer change intervals - faster process times
- Low vibration, low noise
- Greatly reduced unbalance, more controlled handling
- Can be used effectively even at low speeds
- Also suitable for 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

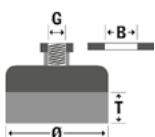
Regular Wire

# 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

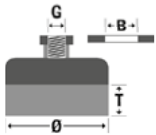
**Applications:** Paint removal, deburring and cleaning of metal

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	<b>1802-607 914</b>
100	25		M14x2.0	8500	3	6402-608 914	6412-608 914	<b>1802-608 914</b>

### Cordless is king

Brushes for cordless, battery-operated tools start on page 130





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

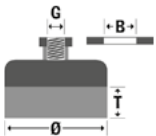
						■ Novofil / 46 ■	■ Novofil / 60 ■	■ Novofil / 80 ■
Ø	A	T	G	RPM max.	PU	Order no.	Order no.	Order no.
130	70	50	M14x2.0	2500	4	<b>9301-614 916</b>	<b>9311-614 916</b>	<b>9321-614 916</b>

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



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

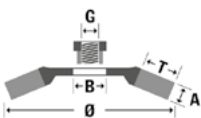
					■ Novofil / 46 ■	■ Novofil / 60 ■	■ Novofil / 80 ■	■ Novofil / 120 ■
Ø	T	G	RPM max.	PU	Order no.	Order no.	Order no.	Order no.
150	25	M14x2.0	8500	2	7902-613 196	7922-613 196	7932-613 196	7942-613 196

# CLEANING TOOLS FOR ANGLE GRINDERS

Bevel brushes



Appearance can vary from picture depending on variant.



## 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 discoloration on complex workpieces

Available in practical box packaging with Euro-standard hole.



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

\*TÜV certification planned.

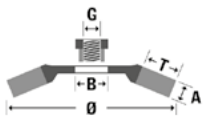


Ø	A	T	Adapt.	RPM max.	PU	18 knots ■ Steel / 0.35 ■	
						Order no.	Order no.
100	13	22	X-LOCK	12500	10	<b>0004-622 131</b>	<b>0004-622 151</b>





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 ■

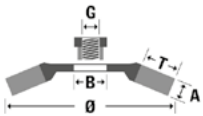
Ø	A	T	B	G	RPM max.	PU	Order no.
100	13	22		M14x2.0	12500	8	<b>2008-622 151</b>

# 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)

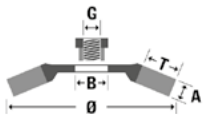
**Applications:** Rust removal, paint stripping, deburring, weld seam cleaning

Ø	A	T	G	RPM max.	PU	■ Steel / 0.30 ■	■ Brass-coated steel / 0.30 ■
						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	<b>0002-512 162</b>	0002-512 062
100	10	20	M14x2.0	12500	10	<b>0002-512 161</b>	<b>0002-512 061</b>
125	10	25	M14x2.0	12500	10	0002-514 161	

Ø	A	T	G	RPM max.	PU	■ INOX / 0.20 ■	■ INOX / 0.30 ■
						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	<b>0002-512 342</b>	<b>0002-512 362</b>
100	10	20	M14x2.0	12500	5		<b>0002-512 361</b>
125	10	25	M14x2.0	12500	5		<b>0002-514 361</b>



Ø	A	T	Adapt.	RPM max.	PU	■ Steel / 0.30 ■	■ INOX / 0.30 ■
						Order no.	Order no.
100	10	20	X-LOCK	12500	10	<b>0004-512 161</b>	
100	13	22	X-LOCK	12500	5		<b>0004-512 361</b>



You can find more information about our new Xtreme products on page 117.

## 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

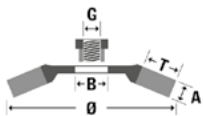


## Bevel brushes, crimped wire

Perfect ★★☆☆☆



Appearance can vary from picture depending on variant.



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

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	<b>2008-512 061</b>	<b>2008-512 161</b>

### Cordless is king

Brushes for cordless, battery-operated tools start on page 130.



# CLEANING TOOLS FOR ANGLE GRINDERS

Polishing flap discs

## 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 208



Also available as a kit in a practical assortment box for ideal presentation at the POS. See page 128



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		<b>5541-204 100</b>	562101
115 x 22.23	4 1/2 x 7/8	13280	2 medium	10		<b>5541-206 100</b>	562118
115 x 22.23	4 1/2 x 7/8	13280	3 fine	10		<b>5541-207 100</b>	562125
125 x 22.23	5 x 7/8	12200	1 coarse	10		<b>5542-204 100</b>	562200
125 x 22.23	5 x 7/8	12200	2 medium	10		<b>5542-206 100</b>	562217
125 x 22.23	5 x 7/8	12200	3 fine	10		<b>5542-207 100</b>	562231

# CLEANING TOOLS FOR ANGLE GRINDERS

Polishing wheels



## Polispeed

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.

### Polispeed – the all-rounder for corners and edges

The multifunctional Polispeed 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		<b>5541-306 100</b>	563306
115 x 22.23	4 1/2 x 7/8	13280	fine	10		<b>5541-307 100</b>	563313
125 x 22.23	5 x 7/8	12200	medium	10		<b>5542-306 100</b>	563405
125 x 22.23	5 x 7/8	12200	fine	10		<b>5542-307 100</b>	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		<b>6700-001 100</b>	670059
125 x 22.23	5 x 7/8	10000	10		<b>6700-002 100</b>	670103
180 x 22.23	7 x 7/8	8500	10		<b>6700-003 100</b>	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.

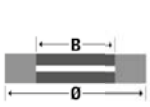
- Contains 54 pcs (6 x 9 POLIMAXX 1 - 3), diameter 115 mm or 125 mm.

### 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	<b>0003-000 243</b>
7/8"	5/8"	1	<b>0003-000 244</b>



## 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.

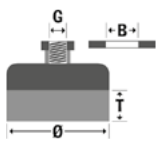
The end result will meet all your expectations and fulfill all aspects of work safety. This is the only way to work effectively and get the best out of your cordless power tool.

### 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.

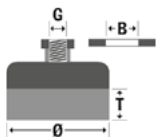


■ Brass / 0.30 ■

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



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 ■

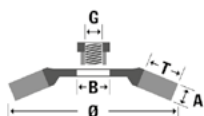
Ø	T	G	Max. RPM	PU	Order no.
60	21	M14x2.0	12500	5	<b>6912-613 891</b>

# 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

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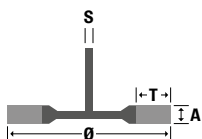
Wheel brushes	134
Cup brushes	141
End brushes	145
Flap wheel brushes	150
Kits	152
Accessories	154

# 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

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

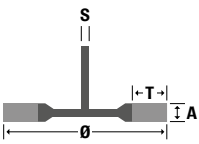
Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



Ø	A	T	S	Max. RPM	PU	■ Steel / 0.50 ■	■ INOX / 0.50 ■
						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	<b>0002-501 142</b>	
20	9	4	6	20000	10	<b>0002-501 143</b>	
30	6	6	6	20000	10	<b>0002-502 141</b>	
30	9	6	6	20000	10	<b>0002-502 142</b>	
30	12	6	6	20000	10	<b>0002-502 143</b>	
40	11	10	6	18000	10	<b>0002-503 142</b>	
40	16	10	6	18000	10	<b>0002-503 143</b>	
50	10	13	6	15000	10	<b>0002-504 141</b>	<b>0002-504 161</b>
50	17	13	6	15000	10	<b>0002-504 142</b>	<b>0002-504 162</b>
50	23	13	6	15000	10	<b>0002-504 143</b>	<b>0002-504 163</b>
60	12	15	6	15000	10	<b>0002-505 141</b>	<b>0002-505 161</b>
60	18	15	6	15000	10	<b>0002-505 142</b>	<b>0002-505 162</b>
70	11	15	6	15000	10	<b>0002-506 141</b>	<b>0002-506 161</b>
70	18	15	6	15000	10	<b>0002-506 142</b>	<b>0002-506 162</b>
80	19	20	6	15000	10	<b>0002-507 142</b>	<b>0002-507 162</b>

More variants on the following page



# MACHINE BRUSHES FOR POWER DRILLS

## Wheel brushes

Ø	A	T	S	Max. RPM	PU	INOX / 0.15	INOX / 0.20	INOX / 0.30
						Order no.	Order no.	Order no.
30	6	6	6	20000	10		<b>0002-502 341</b>	
30	9	6	6	20000	10	0002-502 332	<b>0002-502 342</b>	
30	12	6	6	20000	10	0002-502 333	<b>0002-502 343</b>	
40	7	10	6	18000	10	0002-503 331	<b>0002-503 341</b>	
40	11	10	6	18000	10	0002-503 332	<b>0002-503 342</b>	
40	16	10	6	18000	10	0002-503 333	<b>0002-503 343</b>	
50	10	13	6	15000	10		<b>0002-504 341</b>	<b>0002-504 361</b>
50	17	13	6	15000	10	<b>0002-504 332</b>	<b>0002-504 342</b>	<b>0002-504 362</b>
50	23	13	6	15000	10		0002-504 343	
60	12	15	6	15000	10		<b>0002-505 341</b>	<b>0002-505 361</b>
60	18	15	6	15000	10	0002-505 332	<b>0002-505 342</b>	<b>0002-505 362</b>
70	11	15	6	15000	10		<b>0002-506 341</b>	<b>0002-506 361</b>
70	18	15	6	15000	10	<b>0002-506 332</b>	<b>0002-506 342</b>	<b>0002-506 362</b>
70	23	15	6	15000	10		<b>0002-506 343</b>	<b>0002-506 363</b>
80	10	20	6	15000	10			<b>5162-507 361</b>
80	19	20	6	15000	10		<b>0002-507 342</b>	<b>0002-507 362</b>

### Brass / 0.20

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

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



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

### Brass / 0.20

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





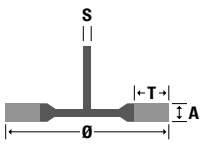
## Wheel brushes, crimped wire

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

Appearance can vary from picture depending on variant.



**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 152.



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

						■ INOX / 0.20 ■	■ INOX / 0.30 ■
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.
50	7	10	6	4500	20	<b>0088-600 221</b>	
75	10	16	6	4500	10		<b>0008-600 432</b>
100	10	22	6	4500	10	<b>0008-600 531</b>	<b>0088-600 521</b>

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



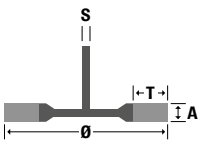
						■ INOX / 0.30 ■	■ Steel / 0.30 ■
Ø	A	T	S	Max. RPM	PU	Order no.	Order no.
50	7	10	6	4500	8		<b>7003-600 221</b>
75	10	16	6	4500	8		<b>7003-600 421</b>
100	12	22	6	4500	8		<b>7003-600 521</b>
100	12	22	6	4500	6	<b>7018-600 521</b>	

# MACHINE BRUSHES FOR 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

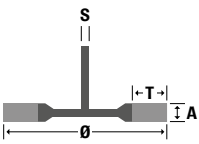


## Wheel brushes, crimped wire, plastic-bonded Evolution ★★★★★

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)

Appearance can vary from picture depending on variant.



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

■ Brass-coated steel / 0.30 ■

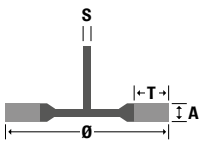
Ø	A	T	S	Max. RPM	PU	Order no.		
63	8	20	6	15000	12	<b>0002-911 941</b>		
76	8	26	6	15000	12	<b>0002-911 951</b>		

# MACHINE BRUSHES FOR 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 153.



Ø	A	T	S	Max. RPM	PU	Abr. bristle / 80 / red	Abr. bristle / 180 / blue
						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.



Ø	A	T	S	Max. RPM	PU	Abr. bristle / 80 / red	Abr. bristle / 180 / blue
						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



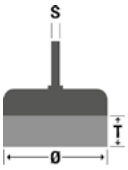
## Cup brushes, knotted wire

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)

Appearance can vary from picture depending on variant.



**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	<b>1004-608 151</b>

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



■ Steel / 0.50 ■

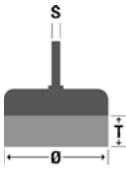
Ø	T	S	Max. RPM	PU	Order no.
65	23	6	6000	8	<b>7004-608 151</b>

# MACHINE BRUSHES FOR 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 152.



					■ 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		



## Cup brushes, crimped wire, plastic-bonded

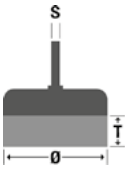
Evolution ★★★★★

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

Appearance can vary from picture depending on variant.



■ Brass-coated steel / 0.30 ■

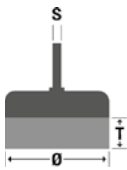
Ø	T	S	Max. RPM	PU	Order no.
50	15	6	15000	12	<b>0002-930 821</b>

# MACHINE BRUSHES FOR 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 153.



Ø	T	S	Max. RPM	PU	Abr. bristle / 80 / red	Abr. bristle / 180 / blue
					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.



Ø	T	S	Max. RPM	PU	Abr. bristle / 80 / red	Abr. bristle / 180 / blue
					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	<b>0003-509 141</b>	<b>0003-509 161</b>	<b>0003-509 191</b>
17	25	45	6	18000	12	<b>0002-509 142</b>	<b>0002-509 162</b>	<b>0002-509 192</b>
25	25	50	6	18000	12	<b>0002-509 143</b>	<b>0002-509 163</b>	<b>0002-509 193</b>
30	25	45	6	15000	12	<b>0002-509 144</b>	<b>0002-509 164</b>	<b>0002-509 194</b>
						■ 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	<b>0003-509 341</b>	<b>0003-509 361</b>	<b>0003-509 561</b>
17	25	45	6	18000	12	<b>0002-509 342</b>	<b>0002-509 362</b>	<b>0002-509 562</b>
25	25	50	6	18000	12	<b>0002-509 343</b>	<b>0002-509 363</b>	<b>0002-509 563</b>
30	25	45	6	15000	12	<b>0002-509 344</b>	<b>0002-509 364</b>	<b>0002-509 564</b>

# MACHINE BRUSHES FOR 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 152.



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



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	<b>0002-930 902</b>
24	23	23	43	6	15000	12	<b>0002-930 907</b>
31	23	29	43	6	15000	12	<b>0002-930 912</b>

# MACHINE BRUSHES FOR 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



Ø	T	K	L	S	Max. RPM	PU	■ Novofil / 120 ■	■ Novofil / 180 ■	■ Novofil / 320 ■
							Order no.	Order no.	Order no.
10	25	10	50	6	5000	12		<b>1802-509 911</b>	<b>3202-509 911</b>
15	25	15	43	6	5000	12	<b>1202-509 912</b>	<b>1802-509 912</b>	<b>3202-509 912</b>
22	25	22	50	6	5000	12	<b>1202-509 913</b>	<b>1802-509 913</b>	3202-509 913
28	25	28	45	6	5000	12	<b>1202-509 914</b>	<b>1802-509 914</b>	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 153.



							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	<b>0812-509 913</b>	<b>1812-509 913</b>

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	<b>7812-509 913</b>	<b>7802-509 913</b>

# MACHINE BRUSHES FOR POWER DRILLS

Flap wheel brushes



## Flap wheel brushes, crimped wire

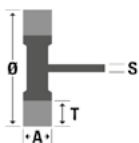
Perfect ★★☆☆☆

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

Appearance can vary from picture depending on variant.

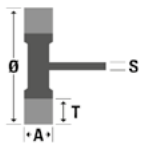


■ Brass-coated steel / 0.30 ■

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

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

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



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

# MACHINE BRUSHES FOR POWER DRILLS

Kits



## 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 <sup>-1</sup>	PU	Order no.
Wheel brush	50			
Wheel brush	75			
End brush	25	4500	10	<b>1418-600 005</b>
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 <sup>-1</sup>	PU	Order no.
Wheel brush	50			
Wheel brush	75			
End brush	25	4500	10	<b>1518-600 005</b>
Cup brush	50			
Cup brush	75			

# MACHINE BRUSHES FOR POWER DRILLS

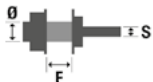
Accessories

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## 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.

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



## Cleaning tools for high-speed machines

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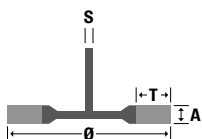
Wheel brushes	156
Coarse cleaning fleeces	160
Flap wheels	160
End brushes	164
Accessories	170

# 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

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

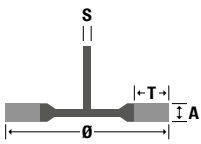
Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.



Ø	A	T	S	Max. RPM	PU	■ Steel / 0.50 ■	■ INOX / 0.50 ■
						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	<b>0002-501 142</b>	
20	9	4	6	20000	10	<b>0002-501 143</b>	
30	6	6	6	20000	10	<b>0002-502 141</b>	
30	9	6	6	20000	10	<b>0002-502 142</b>	
30	12	6	6	20000	10	<b>0002-502 143</b>	
40	11	10	6	18000	10	<b>0002-503 142</b>	
40	16	10	6	18000	10	<b>0002-503 143</b>	
50	10	13	6	15000	10	<b>0002-504 141</b>	<b>0002-504 161</b>
50	17	13	6	15000	10	<b>0002-504 142</b>	<b>0002-504 162</b>
50	23	13	6	15000	10	<b>0002-504 143</b>	<b>0002-504 163</b>
60	12	15	6	15000	10	<b>0002-505 141</b>	<b>0002-505 161</b>
60	18	15	6	15000	10	<b>0002-505 142</b>	<b>0002-505 162</b>
70	11	15	6	15000	10	<b>0002-506 141</b>	<b>0002-506 161</b>
70	18	15	6	15000	10	<b>0002-506 142</b>	<b>0002-506 162</b>
80	19	20	6	15000	10	<b>0002-507 142</b>	<b>0002-507 162</b>

More variants on the following page



# CLEANING TOOLS FOR HIGH-SPEED MACHINES

## Wheel brushes

Ø	A	T	S	Max. RPM	PU	■ INOX / 0.15 ■	■ INOX / 0.20 ■	■ INOX / 0.30 ■
						Order no.	Order no.	Order no.
30	6	6	6	20000	10		<b>0002-502 341</b>	
30	9	6	6	20000	10	0002-502 332	<b>0002-502 342</b>	
30	12	6	6	20000	10	0002-502 333	<b>0002-502 343</b>	
40	7	10	6	18000	10	0002-503 331	<b>0002-503 341</b>	
40	11	10	6	18000	10	0002-503 332	<b>0002-503 342</b>	
40	16	10	6	18000	10	0002-503 333	<b>0002-503 343</b>	
50	10	13	6	15000	10		<b>0002-504 341</b>	<b>0002-504 361</b>
50	17	13	6	15000	10	<b>0002-504 332</b>	<b>0002-504 342</b>	<b>0002-504 362</b>
50	23	13	6	15000	10		0002-504 343	
60	12	15	6	15000	10		<b>0002-505 341</b>	<b>0002-505 361</b>
60	18	15	6	15000	10	0002-505 332	<b>0002-505 342</b>	<b>0002-505 362</b>
70	11	15	6	15000	10		<b>0002-506 341</b>	<b>0002-506 361</b>
70	18	15	6	15000	10	<b>0002-506 332</b>	<b>0002-506 342</b>	<b>0002-506 362</b>
70	23	15	6	15000	10		<b>0002-506 343</b>	<b>0002-506 363</b>
80	10	20	6	15000	10			<b>5162-507 361</b>
80	19	20	6	15000	10		<b>0002-507 342</b>	<b>0002-507 362</b>

### ■ Brass / 0.20 ■

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

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



### ■ Steel / 0.30 ■

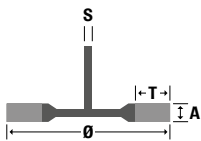
### ■ INOX / 0.20 ■

### ■ INOX / 0.30 ■

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

### ■ Brass / 0.20 ■

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



You can find more information about our new Xtreme products on page 117.

## 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

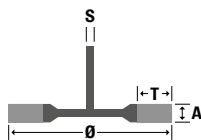
**Applications:** Rounding edges, machining holes, deburring, cleaning

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

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.

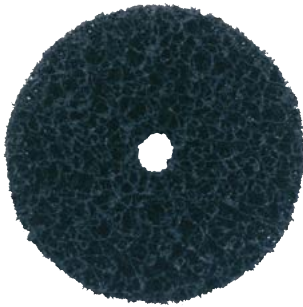
- Also suitable for non-ferrous metals and synthetics
- The short diameter enables access to hard to reach areas

**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	<b>9906-011 146</b>	<b>9906-011 147</b>	<b>9906-011 148</b>
50	10	11	5/8"	15000	12	<b>9906-011 149</b>	<b>9906-011 150</b>	<b>9906-011 151</b>
63	13	17	5/8"	15000	12	<b>9906-011 153</b>	<b>9906-011 154</b>	<b>9906-011 155</b>
						■ 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	<b>9906-011 446</b>	<b>9906-011 447</b>	<b>9906-011 448</b>
50	10	11	6	15000	10	<b>9906-011 449</b>	<b>9906-011 450</b>	<b>9906-011 451</b>
63	13	17	6	15000	10	<b>9906-011 453</b>	<b>9906-011 454</b>	<b>9906-011 455</b>

# CLEANING TOOLS FOR HIGH-SPEED MACHINES

Coarse cleaning fleeces



## Coarse cleaning fleeces for angled and straight grinders

Superior ★★★★★☆

Suitable for cleaning and polishing all surfaces. A tensioning shaft is used for straight and cylindrical grinders.

- Removes old paint, rust and weld spots from metal without scratching the surface of the workpiece
- Cleans wood and plastic
- Polishes stainless steel
- Removes thermal bluing

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

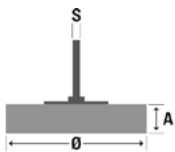
To find the tensioning shaft for the coarse cleaning fleece, refer to page 170.



Ø in mm	Ø in inches	RPM	PU	Order no.	EAN 4081600
100	4	6000	10	6700-006 000	670301
150	6	4000	10	6700-007 000	670356



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	<b>0123-003 010</b>	<b>0153-003 010</b>	<b>0183-003 010</b>
30	15	6	25400	10	<b>0123-003 015</b>	<b>0153-003 015</b>	<b>0183-003 015</b>
40	20	6	19100	10	<b>0123-004 020</b>	<b>0153-004 020</b>	<b>0183-004 020</b>
50	20	6	15200	10	<b>0123-005 020</b>	<b>0153-005 020</b>	<b>0183-005 020</b>
50	30	6	15200	10	<b>0123-005 030</b>	<b>0153-005 030</b>	<b>0183-005 030</b>
60	20	6	12700	10	0123-006 020	0153-006 020	0183-006 020
60	30	6	12700	10	<b>0123-006 030</b>	<b>0153-006 030</b>	<b>0183-006 030</b>
60	40	6	12700	10	0123-006 040	0153-006 040	0183-006 040

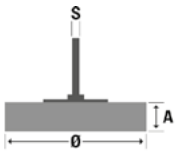
					■ Abr. bristle / Grit 240 ■		
Ø	A	S	RPM max.	PU	Order no.		
30	10	6	25400	10	<b>0243-003 010</b>		
30	15	6	25400	10	<b>0243-003 015</b>		
40	20	6	19100	10	0243-004 020		
50	20	6	15200	10	<b>0243-005 020</b>		
50	30	6	15200	10	<b>0243-005 030</b>		
60	20	6	12700	10	0243-006 020		
60	30	6	12700	10	<b>0243-006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

# 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

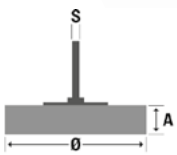
					Abr. bristle / Grit 60	Abr. bristle / Grit 80	Abr. bristle / Grit 150
Ø	A	S	RPM max.	PU	Order no.	Order no.	Order no.
40	20	6	17100	10	0063-404 020	0083-404 020	0153-404 020
60	40	6	11500	10	0063-406 040	0083-406 040	0153-406 040
80	50	6	8600	10	0063-408 050	0083-408 050	0153-408 050

					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

Ø	A	S	RPM max.	PU	Abr. bristle / coarse	Abr. bristle / medium	Abr. bristle / fine
					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	<b>0083-304 030</b>	<b>0153-304 030</b>	<b>0243-304 030</b>
50	30	6	13700	10	<b>0083-305 030</b>	<b>0153-305 030</b>	<b>0243-305 030</b>
50	40	6	13700	10	0083-305 040	0153-305 040	0243-305 040
60	30	6	11500	10	<b>0083-306 030</b>	<b>0153-306 030</b>	<b>0243-306 030</b>
80	50	6	8600	10	0083-308 050	0153-308 050	0243-308 050

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



## 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

Appearance can vary from picture depending on variant.



Ø	T	L	S	Max. RPM	PU	Steel / 0.26	Steel / 0.35
						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

Ø	T	L	S	Max. RPM	PU	INOX / 0.26	INOX / 0.35
						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).

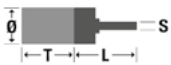
The table below provides information on the extent of brush flaring in relation to body diameter and rotation speed.

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

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



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

\*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](mailto:service@osborn.de)



# CLEANING TOOLS FOR HIGH-SPEED MACHINES

End brushes



## 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



You can find more information about our new Xtreme products on page 117.

■ 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.



## 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



Appearance can vary from picture depending on variant.



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

## End brush, crimped wire

Superior ★★★★★☆



Appearance can vary from picture depending on variant.



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	<b>0003-509 141</b>	<b>0003-509 161</b>	<b>0003-509 191</b>
17	25	45	6	18000	12	<b>0002-509 142</b>	<b>0002-509 162</b>	<b>0002-509 192</b>
25	25	50	6	18000	12	<b>0002-509 143</b>	<b>0002-509 163</b>	<b>0002-509 193</b>
30	25	45	6	15000	12	<b>0002-509 144</b>	<b>0002-509 164</b>	<b>0002-509 194</b>
						■ 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	<b>0003-509 341</b>	<b>0003-509 361</b>	<b>0003-509 561</b>
17	25	45	6	18000	12	<b>0002-509 342</b>	<b>0002-509 362</b>	<b>0002-509 562</b>
25	25	50	6	18000	12	<b>0002-509 343</b>	<b>0002-509 363</b>	<b>0002-509 563</b>
30	25	45	6	15000	12	<b>0002-509 344</b>	<b>0002-509 364</b>	<b>0002-509 564</b>

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

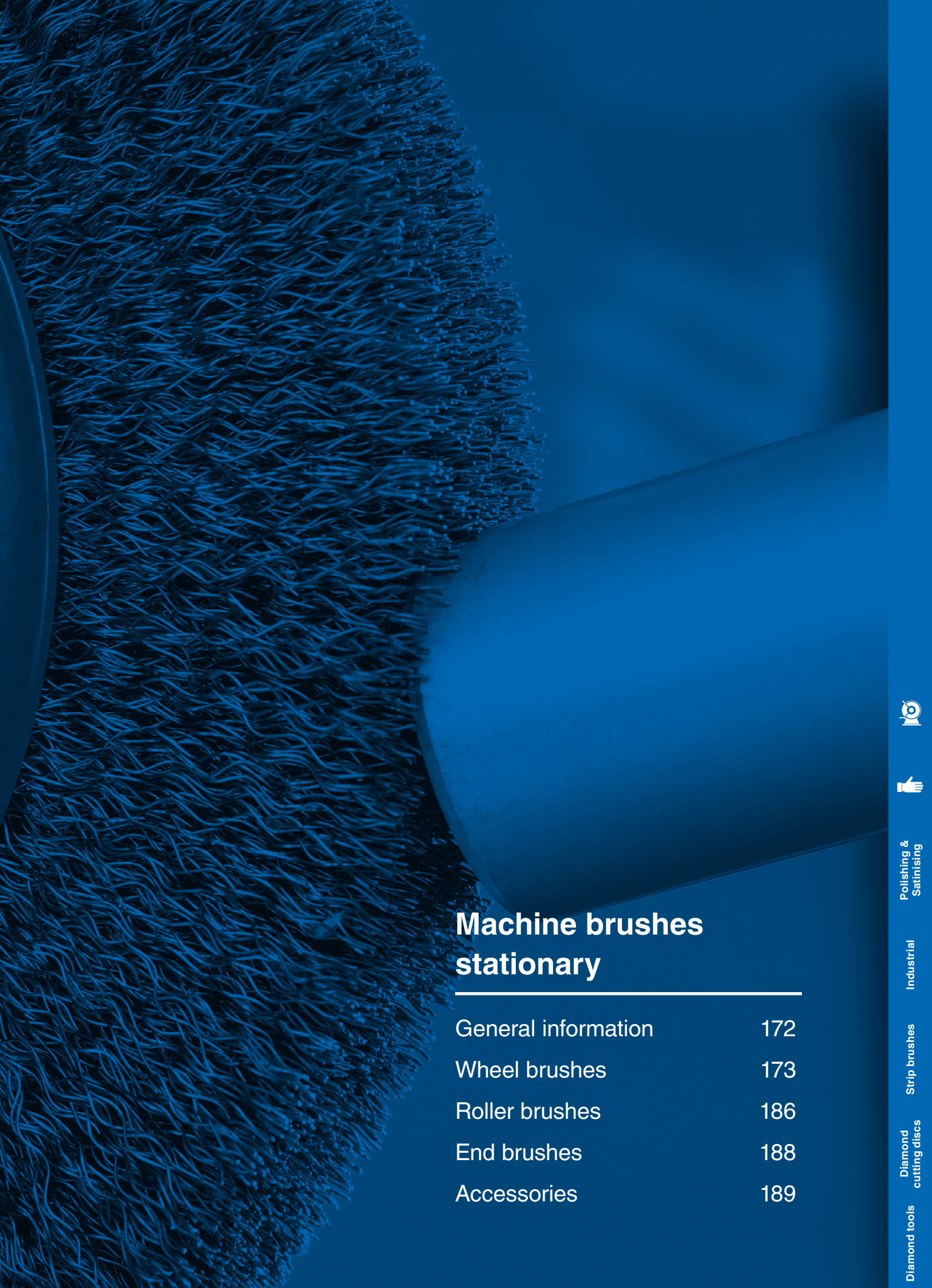
## Tensioning shaft for cleaning fleece

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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General information	172
Wheel brushes	173
Roller brushes	186
End brushes	188
Accessories	189

# MACHINE BRUSHES STATIONARY

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 189).

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

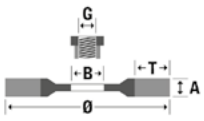
#### Standard bores for multi-row brushes

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	inch	mm	9.35	10	12.7	13	16	19	20	22.2	25.4	30	31.8	32	35	40	50.8
		inch	3/8	1/2	5/8	3/4	7/8	1	1 1/4	2							
20		8109	8110	8112	8113	8116											
30		8209	8210	8212	8213	8216	8219	8220	8222	8225							
50.8	2			8412	8413	8416	8419	8420	8422	8425	8430	8431	8432	8435			
80						8616	8619	8620	8622	8625	8630	8631	8632	8635	8640	8642	
100								8720	8722	8725	8730	8731	8732	8735	8740	8742	
120										8825	8830	8831	8832	8835	8840	8842	



Appearance can vary from picture depending on variant.



## 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 172

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	<b>0002-664 151</b>	
200	26	42	50.8*	50.8*	8500	1		<b>0002-664 152*</b>	
250	15	42	25.4	50.8	4500	2	<b>0002-676 131</b>	<b>0002-676 151</b>	<b>0002-676 181</b>
300	18	55	25.4	50.8	3600	2	0002-686 131	<b>0002-686 151</b>	<b>0002-686 181</b>

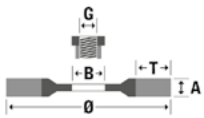
\*Pipe diameter; for reducing the bore size, refer to the 1-A adapter on page 190

# MACHINE BRUSHES STATIONARY

Wheel brushes



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 172

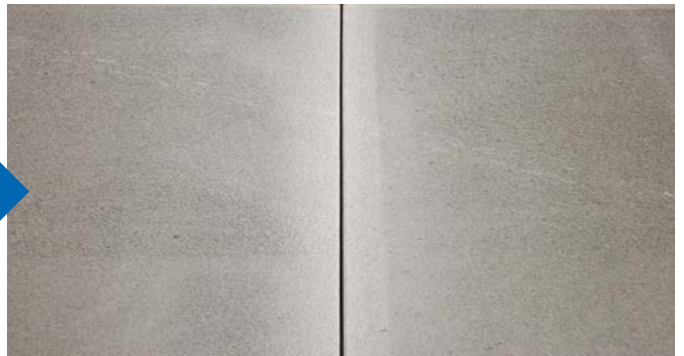
Ø	A	T	B	Max. RPM	PU	Steel / 0.50	Steel / 0.80
						Order no.	Order no.
300	4	65	20	4500	6	9802-026 560	
300	6	65	20	4500	6	9802-026 561	9802-026 581
300	8	65	20	4500	6	9802-026 562	9802-026 582
300	10	65	20	4500	6	9802-026 563	9802-026 583



Joint brush used in road construction.



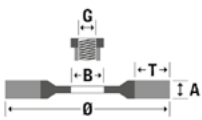
Before



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 172

Ø	A	T	Min. B	Max. B	Max. RPM	PU	Steel / 0.20	Steel / 0.30
							Order no.	Order no.
75	11	15	13	13	10000	5		<b>0002-511 161</b>
100	13	23	13	20	8000	8	<b>0002-522 141</b>	<b>0002-522 161</b>
125	15	35	13	20	6000	5		<b>0002-532 161</b>
150	16	32	13	32	6000	4	<b>0002-544 141</b>	
150	16	32	13	20	6000	8		<b>0002-544 161</b>
178	18	45	13	32	6000	8		<b>0002-554 161</b>
200	19	38	19	32	4500	1		<b>0002-566 161</b>
200	19	38	19	50.8	4500	2	<b>0002-566 141</b>	
250	22	35	20	50.8	3600	2	0002-576 141	<b>0002-576 161</b>
300	26	58	20	50.8	3000	1		<b>0002-587 161</b>

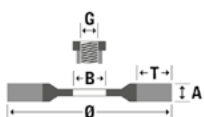
Ø	A	T	Min. B	Max. B	Max. RPM	PU	INOX / 0.20	INOX / 0.30
							Order no.	Order no.
100	13	23	13	20	8000	8	<b>0002-522 341</b>	<b>0002-522 361</b>
125	15	35	13	20	6000	5		<b>0002-532 361</b>
150	16	32	13	32	6000	3	<b>0002-544 341</b>	<b>0002-544 361</b>
178	18	45	13	32	6000	4		<b>0002-554 361</b>
200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

# MACHINE BRUSHES STATIONARY

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

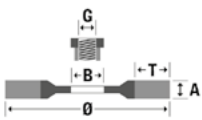
■ Nylon / 0.80 ■

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 190



							■ 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	<b>9906-021 183</b>	<b>9906-021 184</b>			
							■ 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	<b>9906-021 059</b>				

**MATIC®** variant with **keyways** adapter, refer to page 190



							■ 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	<b>9906-022 081</b>	<b>9906-022 082</b>	
200	22	37	50.8	1-A	4500	2			<b>9906-022 085</b>

**MASTER®** variant with **tortoise-shaped bore** adapter, refer to page 189



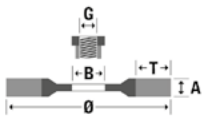
							■ Osborn steel / 0.20 ■	■ Osborn steel / 0.30 ■		
Ø	A	T	B	Adapt.	Max. RPM	PU	Order no.	Order no.		
250	26	60	50.8	4-M	3600	2	<b>9906-013 008</b>	<b>9906-013 009</b>		
300	28	60	50.8	4-M	3000	2		<b>9906-013 021</b>		
380	32	72	50.8	4-M	2400	2		<b>9906-013 057</b>		

# MACHINE BRUSHES STATIONARY

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

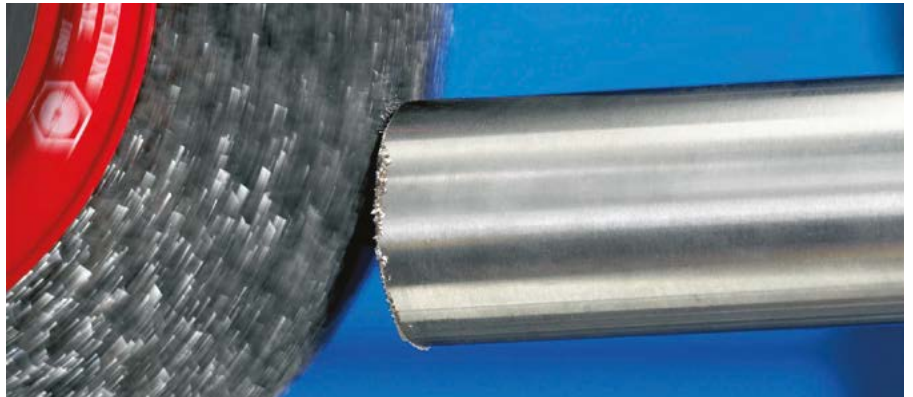
- Aggressive variant
- TÜV-Süd certified (safety tested, production monitored)
- Larger body, so more wire tips are simultaneously in use
- High wire density

**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 172

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

- $\varnothing$  75-125 mm: 20 mm 1/2"; 5/8"
- $\varnothing$  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		<b>9902-511 162</b>	
100	20	23		20	30	8000	5	<b>9902-522 142</b>	<b>9902-522 162</b>	
100	28	23		20	30	8000	5		<b>9902-522 163</b>	
125	22	30		20	30	6000	5	<b>9902-532 142</b>	<b>9902-532 162</b>	
125	30	30		20	30	6000	5		<b>9902-532 163</b>	
150	21	25		31.75	50.8	6000	3	<b>9902-544 441</b>	<b>9902-544 461</b>	9902-544 491
150	30	29		31.75	50.8	6000	3	<b>9902-544 142</b>	<b>9902-544 162</b>	
150	37	29		31.75	50.8	6000	3		<b>9902-544 163</b>	<b>9902-544 193</b>
178	23	38		31.75	50.8	6000	1	<b>9902-554 441</b>	<b>9902-554 461</b>	
178	32	38		31.75	50.8	6000	1	<b>9902-554 142</b>	<b>9902-554 162</b>	9902-554 192
178	38	38		31.75	50.8	6000	1		<b>9902-554 163</b>	
200	20	38		31.75	80	4500	1	<b>9902-566 441</b>	<b>9902-566 461</b>	9902-566 491
200	30	38		31.75	80	4500	1	<b>9902-566 142</b>	<b>9902-566 162</b>	<b>9902-566 192</b>
200	38	38		31.75	80	4500	1		<b>9902-566 163</b>	9902-566 193
250	28	47	20	50.8	100	3600	1	<b>9902-576 142</b>	<b>9902-576 162</b>	
250	38	47	20	50.8	100	3600	1		<b>9902-576 163</b>	<b>9902-576 193</b>
250	55	47	20	50.8	100	3600	1		<b>9902-576 464</b>	
300	32	50	25.4	50.8	120	3000	1	<b>9902-587 142</b>	<b>9902-587 162</b>	9902-587 192
300	46	50	50.8	101.6	151	3000	1		<b>0002-587 162</b>	
300	44	50	25.4	50.8	120	3000	1		<b>9902-587 163</b>	<b>9902-587 193</b>

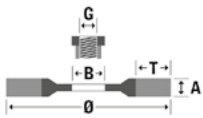
								■ INOX / 0.20 ■	■ INOX / 0.30 ■	
Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.	
75	19	16		20	20	10000	4		9902-511 362	
100	20	23		20	30	8000	4	<b>9902-522 342</b>	<b>9902-522 362</b>	
100	28	23		20	30	8000	4		<b>9902-522 363</b>	
125	22	30		20	30	6000	2	9902-532 342	<b>9902-532 362</b>	
150	21	25		31.75	50.8	6000	2	<b>9902-544 341</b>	<b>9902-544 361</b>	
150	30	29		31.75	50.8	6000	2	<b>9902-544 342</b>	<b>9902-544 362</b>	
178	23	38		31.75	50.8	6000	1	9902-554 341	<b>9902-554 361</b>	
178	32	38		31.75	50.8	6000	1		<b>9902-554 362</b>	
200	20	38		31.75	80	4500	1	<b>9902-566 341</b>	<b>9902-566 361</b>	
200	30	38		31.75	80	4500	1	<b>9902-566 342</b>	<b>9902-566 362</b>	
200	38	38		31.75	80	4500	1		<b>9902-566 363</b>	
250	28	47	20	50.8	100	3600	1	<b>9902-576 342</b>	<b>9902-576 362</b>	
250	38	47	20	50.8	100	3600	1	<b>9902-576 343</b>	<b>9902-576 363</b>	
300	32	50	25.4	50.8	120	3000	1	9902-587 342	<b>9902-587 362</b>	
300	44	50	25.4	50.8	120	3000	1	9902-587 343	<b>9902-587 363</b>	

# MACHINE BRUSHES STATIONARY

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  $\varnothing$  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 172

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

- $\varnothing$  75-125 mm: 20 mm 1/2"; 5/8"
- $\varnothing$  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.
								Steel / 0.20	Steel / 0.30
150	24	43		20	30	6000	3	<b>9902-543 142</b>	<b>9902-543 162</b>
178	32	43		31.75	50.8	6000	1		<b>9902-553 162</b>
200	33	55		31.75	50.8	4500	1	9902-565 142	<b>9902-565 162</b>
200	42	55		31.75	50.8	4500	1		<b>9902-565 163</b>
250	32	63	20	50.8	80	3600	1	9902-575 142	<b>9902-575 162</b>
250	42	63	20	50.8	80	3600	1		<b>9902-575 163</b>
300	33	70	25.4	50.8	100	3000	1	9902-586 142	<b>9902-586 162</b>
300	45	70	25.4	50.8	100	3000	1		<b>9902-586 163</b>

■ INOX / 0.20 ■

■ INOX / 0.30 ■

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

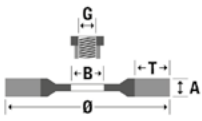
■ Brass / 0.20 ■

■ Brass / 0.30 ■

Ø	A	T	Min. B	Max. B	R	Max. RPM	PU	Order no.	Order no.
								Brass / 0.20	Brass / 0.30
150	24	43		20	30	6000	2	<b>9902-543 542</b>	9902-543 562
150	32	43		20	30	6000	2		<b>9902-543 563</b>
200	33	55		31.75	50.8	4500	1	<b>9902-565 542</b>	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 189.



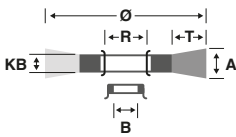
							■ Steel / 0.20 ■	■ Steel / 0.30 ■	■ Steel / 0.35 ■
Ø	A	T	B	R	Max. RPM	PU	Order no.	Order no.	Order no.
250	55	45	100	100	3600	1	<b>0002-576 145</b>	<b>0042-576 165</b>	<b>0042-576 175</b>
							■ Steel / 0.50 ■		
Ø	A	T	B	R	Max. RPM	PU	Order no.		
250	55	45	100	100	3600	1	<b>0002-576 195</b>		
					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

# MACHINE BRUSHES STATIONARY

Wheel brushes



**NEW**



## 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

You can find more information about our new Xtreme products on page 117.

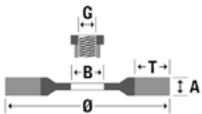
■ Steel / Xtreme / 0.30 ■

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 189.



■ Grit 80 / 1.27 ■

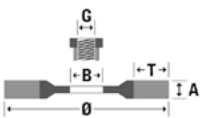
■ Grit 120 / 1.02 ■

■ 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 189.



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

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

# MACHINE BRUSHES STATIONARY

Wheel brushes



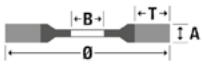
## UNI-Master® Wheel brushes, Xtreme wire, crimped

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 117.

■ 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

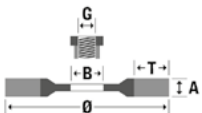
- Cost-effective finishing of components with many contours in dry applications
- Suitable for defined edge rounding

**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 172



Appearance can vary from picture depending on variant.



You will find the right adapters on page 189





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	<b>9902-515 002</b>	<b>9902-515 003</b>
100	18	18	13	20			12000	6	See below	<b>9902-515 026</b>	<b>9902-515 027</b>
150	18	32	13	32	50.8	F	8000	6	<b>9902-515 079</b>	<b>9902-515 080</b>	<b>9902-515 081</b>
178	20	45	13	32		F	8000	4	<b>9902-515 040</b>	<b>9902-515 041</b>	<b>9902-515 042</b>
200	18	35	19	40	50.8	4-M	6000	2	<b>9902-515 050</b>	<b>9902-515 051</b>	<b>9902-515 052</b>
250	20	35	20	40	50.8	4-M	3600	2	<b>9902-515 056</b>	<b>9902-515 057</b>	<b>9902-515 058</b>
250	18	60	20	40	50.8	4-M	3000	2	<b>9962-515 056</b>	<b>9962-515 057</b>	<b>9962-515 058</b>
300	20	35	20	40	50.8	4-M	2400	2	<b>9902-515 062</b>	<b>9902-515 063</b>	<b>9902-515 064</b>
300	20	60	20	40	50.8	4-M	3000	2	<b>9962-515 062</b>	<b>9962-515 063</b>	<b>9962-515 064</b>
350	20	57	32	40	50.8	4-M	2400	2		<b>9902-515 069</b>	

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

**NHS filament material** - Also suitable for use with coolants

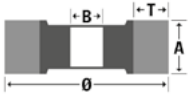
									■ Grit 80 ■		
Ø	A	T	Min. B	Max. B	B	Adapt.	Max. RPM	PU	Order no.		
75	12	13		13			20000	6	<b>9902-515 001</b>		
100	18	18	13	20			12000	6	<b>9902-515 025</b>		

# MACHINE BRUSHES STATIONARY

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

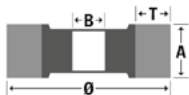
Superior ★★★★★☆

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 <sup>-1</sup>	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 ★★★★★

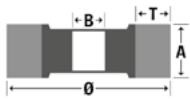
Abrasive flap rollers with non-woven and abrasive cloth combined, industrial quality

- 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 <sup>-1</sup>	PU	Grit 60 / coarse	Grit 80 / medium	Grit 120 / fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	<b>0063-410 100</b>	0083-410 100	0123-410 100
100	100	19	5000	1	8203-410 100		

## Non-woven (satin) finishing rollers

Superior ★★★★★

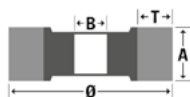
Satin finish rollers with non-woven abrasive material, industrial quality

- 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 <sup>-1</sup>	PU	Grit 80 / coarse	Grit 180 / fine	Grit 320 / very fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	<b>0083-310 100</b>	<b>0183-310 100</b>	0283-310 100
100	100	19	5000	1	8203-310 100		

# MACHINE BRUSHES STATIONARY

End brushes



## 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

Ø	T	L	PU	■ Steel / 0.20 ■	■ Steel / 0.35 ■	■ Steel / 0.50 ■
				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 ■	
				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	<b>5495-560 051</b>
52.9	13.5 x 6.4	1	<b>5495-560 052</b>
54.7	13.6 x 5.8	1	<b>5495-560 054</b>
80.2	13.5 x 7.5	1	<b>5495-560 080</b>
82	13.5 x 6.4	1	<b>5495-560 082</b>

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	<b>0003-075 064</b>
15.9	5/8"	1	<b>0003-075 065</b>
19	3/4"	1	<b>0003-075 066</b>
22.2	7/8"	1	<b>0003-075 067</b>
25.4	1"	1	<b>0003-075 068</b>
28	1 1/8"	1	<b>0003-075 069</b>
28	1 1/4"	1	<b>0003-075 070</b>
38	1 1/2"	1	<b>0003-075 071</b>
50.8	2"	1	<b>0003-075 073</b>



## F-Adapter

For reducing bores.

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

# MACHINE BRUSHES STATIONARY

Accessories

## 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	192
Industrial brushes	197
Block brushes	198
Brooms	200
Scrub brushes	202
Dusters	202
Accessories	204

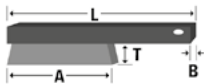


# HAND BRUSHES

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

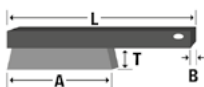
- Osborn bestseller
- Ergonomically shaped handle
- For general use
- Good price/performance ratio
- Due to narrow shape it can be used when space is tight

**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



## Hand brushes, plastic body

Superior ★★★★★



Appearance can vary from picture depending on variant.



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

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

## Brake calliper brushes, plastic body

Superior ★★★★★



Appearance can vary from picture depending on variant.



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



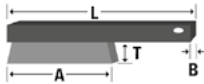
					■ Steel, straight / 0.35 ■	■ Steel, crimped / 0.30 ■	■ Brass, crimped / 0.30 ■
A	T	L	Rows	PU	Order no.	Order no.	Order no.
95	23	245	2	10	<b>3301-462 122</b>	<b>3301-462 162</b>	<b>3301-462 562</b>

# HAND BRUSHES

Hand brushes



Appearance can vary from picture depending on variant.



## Hand brushes, wooden body

Superior ★★☆☆☆

Hand brush with wooden body, industrial quality

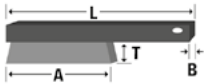
- For general use
- Practical pin hole, perfect for workshops
- Diverse selection of filament materials

**Applications:** Paint removal, rust removal, cleaning

A	T	L	Rows	PU	Brass-coated steel, ■ straight / 0.35 ■	■ Steel, straight / 0.35 ■		
					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

					■ Steel, straight / 0.35 ■	■ INOX, straight / 0.35 ■	■ Brass, straight / 0.30 ■
A	T	L	Rows	PU	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	<b>0901-151 094</b>	<b>0901-152 334</b>	<b>0901-151 594</b>
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)

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

# 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

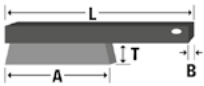
- Dense filament distribution
- For general use
- Flexible wires, so gentle on material

**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	<b>0008-493 100</b>



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	<b>0003-075 252</b>
16	25	160	12	<b>0003-075 253</b>
19	28	160	12	<b>0003-075 254</b>
23	25	160	12	<b>0003-075 255</b>



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	<b>0002-892 215</b>
20	100	280	10	<b>0002-892 220</b>
25	100	280	10	<b>0002-892 225</b>
30	100	280	10	<b>0002-892 230</b>

# HAND BRUSHES

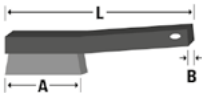
Block brushes

## 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*

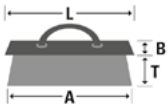
\*Without pin hole

## 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 ■

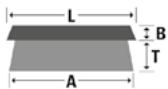
■ Steel, straight / 0.35 ■

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

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

## Weeding brush, wooden body

Superior ★★★★★☆

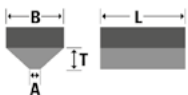
Weeding brush with wooden body, industrial quality

- 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 204.

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

# HAND BRUSHES

Brooms

## Broom wooden body

Superior ★★★★★



Appearance can vary from picture depending on variant.



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

## Workshop broom, wooden body

Superior ★★★★★



Appearance can vary from picture depending on variant.



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 204.



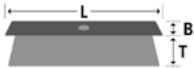


## Broom wooden body

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 204.



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

# HAND BRUSHES

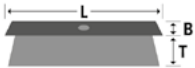
Scrub brushes

## Scrub brushes, wooden body

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.



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

■ 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 ★★☆☆☆



Appearance can vary from picture depending on variant.



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

■ 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

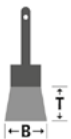
**Applications:** Application of paint, lacquering and dust removal

### ■ Light-coloured bristles ■

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

## 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	<b>1003-086 438</b>
42	50.8	2"	12	<b>1003-086 450</b>

# 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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Manual use	206
Polishing flap discs	208
Polishing compounds	210
Variable-speed and cordless angle grinders	212
Power drills	216
Power drills and high-speed machines	218
Satinising machines	220
Stationary machines	223
Accessories	224

# 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	<b>2103-002 101</b>
1000	6	<b>L669-002 101</b>



## 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	<b>1203-600 001</b>

### 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

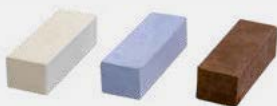
**Applications:** Universally applicable for stainless steel, steel, aluminium and non-ferrous metals.

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		<b>5541-220 100</b>	562132
125 x 22.23	5 x 7/8	12200	Finish	10		<b>5542-220 100</b>	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

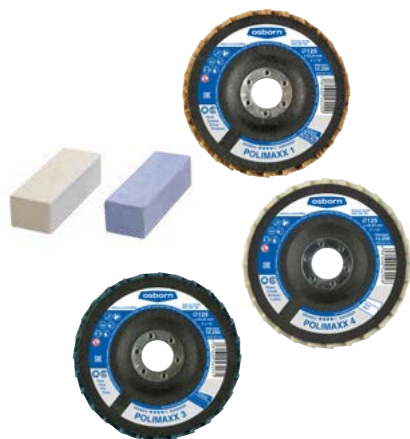


### Polimaxx 1-3 (coarse, medium, fine)

Flap discs for prepolishing processes, refer to page 125.









## 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		<b>6900-040 100</b>	706208
125 x 22.23	5 x 7/8	12200	Mixed	1		<b>6900-041 100</b>	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 & SATIN FINISHING

Polishing compounds

## 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
<b>Brushing</b>	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
<b>Polishing</b>	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
<b>Colouring</b>	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
<b>Super finish</b>	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	<b>2103-005 333</b>	<b>2103-007 012</b>	<b>2103-000 461</b>



### 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	<b>7902-600 000</b>

# POLISHING & SATIN FINISHING

Variable-speed and cordless angle grinders



## Sisal/cloth and notiflex folded buffs

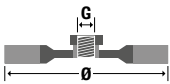
Superior ★★☆☆☆

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 <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L940-030 842

### ■ NOTIFLEX® fleece, hard ■

ø	G	min <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L914-000 436

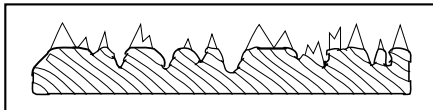
### ■ NOTIFLEX® fleece, soft ■

ø	G	min <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L911-000 436

## Directions for use:

### CUTTING with sisal/cloth

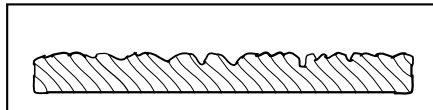
- Please use the white compound for (stainless) steel
- For brass and copper, please start at Step 2 – Polishing



Removing defects and scratches

### POLISHING with NOTIFLEX® fleece, hard

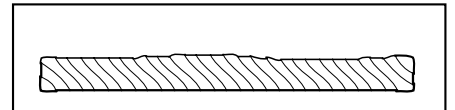
- Please use the white compound for (stainless) steel
- Please use the brown compound for brass, copper and aluminium



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.

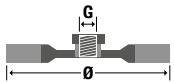
### Contains:

- 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 colouring

**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 <sup>-1</sup>	PU	Order no.
100	M14	9000	6	<b>8603-600 006</b>

# POLISHING & SATIN FINISHING

Variable-speed and cordless angle grinders



## Lipprite® folded buffs

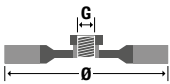
Superior ★★☆☆☆

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

Appearance can vary from picture depending on variant.



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 <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L961-100 012

### ■ Abrasive non-woven fine ■

ø	G	min <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L961-100 076

### ■ Abrasive non-woven very fine ■

ø	G	min <sup>-1</sup>	PU	Order no.
100	M14	9000	7	L960-030 577

## DIRECTIONS FOR USE:

### Required finish result medium

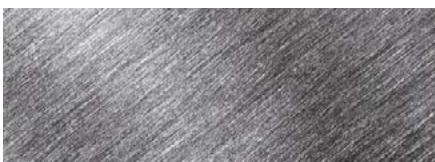
- Please use the **non-woven medium**
- No polish is required for this process

### Required finish result fine

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

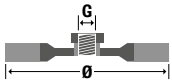
### Required finish result very fine

- 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 214

**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 <sup>-1</sup>	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 211)

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



Ø	B	min <sup>-1</sup>	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 211)

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



Ø	B	min <sup>-1</sup>	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 <sup>-1</sup>	PU	Order no.
85/80	10	4000	5	<b>1203-600 000</b>



## 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 <sup>-1</sup>	PU	Order no.
100	10	4000	6	<b>8603-600 010</b>

# 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 214 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 <sup>-1</sup>	PU	Order no.
100	10	4000	6	8603-600 004

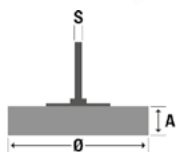
The tapered shank is also available separately. See page 224.



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

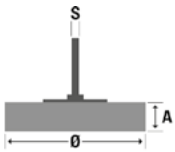
Ø	A	Shaft	min <sup>-1</sup>	PU	AO 60	AO 80	AO 120
					Order no.	Order no.	Order no.
60	30	6	12700	10	0063-006 030	0083-006 030	0123-006 030

## Coated abrasive and non-woven combi flap wheels

Superior ★★★★★☆



Appearance can vary from picture depending on variant.



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

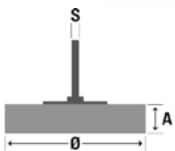
ø	A	Shaft	min <sup>-1</sup>	PU	AO 80 medium	AO 150 fine	SIC 240 fine
					Order no.	Order no.	Order no.
60	40	6	11500	10	0083-406 040	0153-406 040	1243-406 040

## Non-woven abrasive flap wheels

Superior ★★★★★☆



Appearance can vary from picture depending on variant.



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 <sup>-1</sup>	PU	AO coarse	AO medium	AO fine
					Order no.	Order no.	Order no.
60	30	6	11500	10	<b>0083-306 030</b>	<b>0153-306 030</b>	<b>0243-306 030</b>

### Good to know ...

More variants of our flap wheels start on page 160.



# POLISHING & SATIN FINISHING

Satinising machines

## Coated abrasive flap rollers

Superior ★★☆☆☆

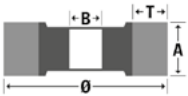
Coated abrasive flap rollers, industrial quality, with bore 19 and 4 keyways

- 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 <sup>-1</sup>	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 ★★☆☆☆

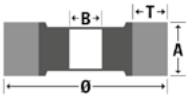
Abrasive flap rollers with non-woven and abrasive cloth combined, industrial quality

- 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**)



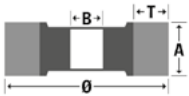
Ø	A	B	min <sup>-1</sup>	PU	Grit 60 / coarse	Grit 80 / medium	Grit 120 / fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	<b>0063-410 100</b>	0083-410 100	0123-410 100
100	100	19	5000	1	8203-410 100		

## Non-woven (satin) finishing rollers

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.



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 <sup>-1</sup>	PU	Grit 80 / coarse	Grit 180 / fine	Grit 320 / very fine
					Order no.	Order no.	Order no.
100	100	19	5000	1	<b>0083-310 100</b>	<b>0183-310 100</b>	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 <sup>-1</sup>	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 <sup>-1</sup>	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 <sup>-1</sup>	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 210), 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 224

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



Ø	B	min <sup>-1</sup>	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.



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





## Industrial brushes

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### Internal finishing

- SITUFT®	226
- HELITUF®	227
- Tube brushes	228
- Novoflex	234
- Novofil	237
- Hole cleaning brushes	238
- Nozzle brushes	239
- Other brushes	240
- Accessories	241
- Parts and sample processing	242
Novotec	244
ATB® - Advanced Technology Brush System	246
Tungsten carbide burrs	254
Punched brushes	262

# INDUSTRIAL BRUSHES

SITUFT®

## SITUFT®, crimped Osborn wire

Evolution ★★★★★



Appearance can vary from picture depending on variant.



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

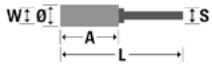
W	Ø	A	L	S	PU	■ Osborn steel / 0.08 ■	■ Osborn steel / 0.13 ■	■ Osborn INOX / 0.13 ■
						Order no.	Order no.	Order no.
6.4	6.7	14	54	2.38	12	9907-035 021	9907-035 023	
8	8.4	14	54	2.38	12	9907-035 031	9907-035 032	
9.5	10	14	54	2.38	12	9907-035 041	9907-035 042	
11	11.5	14	54	2.38	12	9907-035 051	9907-035 052	
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	

## HELITUF®, crimped Osborn wire

Evolution ★★★★★



Appearance can vary from picture



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)

						■ Osborn steel / 0.13 ■	■ Osborn steel / 0.20 ■		
W	Ø	A	L	S	PU	Order no.	Order no.		
6	7.95	25	89	3.4	12	<b>9907-036 012</b>			
8	9.5	25	89	3.4	12	<b>9907-036 017</b>			
10	11	25	89	3.4	12	<b>9907-036 022</b>	<b>9907-036 023</b>		
11	12.7	25	89	3.4	12	<b>9907-036 027</b>			
13	14.3	25	89	3.4	12	<b>9907-036 032</b>	<b>9907-036 033</b>		
14	15.9	25	89	3.4	12	<b>9907-036 037</b>			
16	17.5	25	89	3.4	12	<b>9907-036 042</b>	<b>9907-036 043</b>		
18	19	25	89	3.4	12	<b>9907-036 047</b>			
19	20.6	25	89	3.4	12	<b>9907-036 052</b>	<b>9907-036 053</b>		
21	22.2	25	89	3.4	12	<b>9907-036 057</b>			
22	23.8	25	89	3.4	12	<b>9907-036 062</b>	<b>9907-036 063</b>		
24	25.4	25	89	3.4	12	<b>9907-036 067</b>			
25	27	25	89	3.4	12	<b>9907-036 072</b>	<b>9907-036 073</b>		
29	30.1	25	89	3.4	12	<b>9907-036 082</b>			
32	33.3	25	89	3.4	12		<b>9907-036 093</b>		
						■ Osborn INOX / 0.13 ■	■ Osborn INOX / 0.20 ■		
W	Ø	A	L	S	PU	Order no.	Order no.		
6	7.95	25	89	3.4	12	<b>9907-036 139</b>			
10	11.1	25	89	3.4	12	<b>9907-036 147</b>			
11	12.7	25	89	3.4	12	<b>9907-036 151</b>			
13	14.3	25	89	3.4	12	<b>9907-036 155</b>	<b>9907-036 156</b>		
16	17.5	25	89	3.4	12	<b>9907-036 163</b>	<b>9907-036 164</b>		
19	20.6	25	89	3.4	12		<b>9907-036 172</b>		
22	23.8	25	89	3.4	12	<b>9907-036 179</b>			
25	27	25	89	3.4	12	<b>9907-036 187</b>	<b>9907-036 188</b>		
32	33.3	25	89	3.4	12		<b>9907-036 204</b>		

# INDUSTRIAL BRUSHES

Tube brushes

## Tube brushes, single spiral, crimped wire

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.



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 241.



					■ 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		

## Tube brushes, single spiral, straight wire

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.



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 241.



■ Steel / 0.35 ■

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

# 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 241.



■ Steel / 0.30 ■

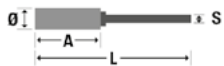
Ø	A	L	G	PU	Order no.		
25	100	160	1/2" BSW	5	0003-810 125		
28	100	160	1/2" BSW	5	0003-810 128		
30	100	160	1/2" BSW	5	0003-810 130		
32	100	160	1/2" BSW	5	0003-810 132		
38	100	160	1/2" BSW	5	0003-810 138		
40	100	160	1/2" BSW	5	0003-810 140		
44	100	160	1/2" BSW	5	0003-810 144		
50	100	160	1/2" BSW	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 ★★★★★



Appearance can vary from picture depending on variant.



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

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



# INDUSTRIAL BRUSHES

Tube brushes

## Tube brushes, abrasive filament

Superior ★★☆☆☆



Appearance can vary from picture depending on variant.



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

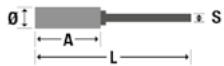


## Tube brushes, nylon-diamond

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

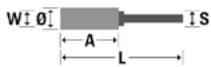
**Recommendation:** The brush diameter should exceed that of the bore by 10 to 15%.

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

\*Without brass sheath



Appearance can vary from picture depending on variant.



## 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.

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

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

# INDUSTRIAL BRUSHES

Novoflex

						■ Abr. / grit SIC 320 ■		
W	Ø	A	L	S	PU	Order no.		
16	18	60	200	4	1	<b>9848-036 318</b>		
17	19	60	200	4	1	<b>9848-036 319</b>		
18	20	60	200	4	1	<b>9748-036 320</b>		
19	21	60	200	4,5	1	<b>9848-036 321</b>		
20	22	70	200	4,5	1	<b>9848-036 322</b>		
21	23	70	200	4,5	1	<b>9848-036 323</b>		
21,5	24	70	200	4,5	1	<b>9848-036 324</b>		
22	25	70	200	5	1	<b>9848-036 325</b>		
23	26	70	200	5	1	<b>9848-036 326</b>		
24	27	70	200	5	1	<b>9848-036 327</b>		
25	28	70	200	5,4	1	<b>9848-036 328</b>		
26	29	70	200	5,4	1	<b>9848-036 329</b>		
27	30	70	200	5,4	1	<b>9848-036 330</b>		
29	32	70	200	5,4	1	<b>9848-036 332</b>		
32	35	70	200	5,7	1	<b>9848-036 335</b>		
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		

## Novoflex-H<sup>®</sup>, Novofil<sup>®</sup>-WF Filament

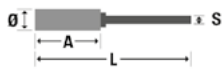
Evolution ★★★★★



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

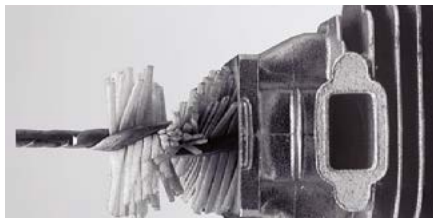
- Very dense filament
- Very good surface qualities
- Long service life
- The special flat bristles ensure a high contact area with the component worked on

Appearance can vary from picture depending on variant.



**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	<b>9907-036 486</b>
63	89	160	9.53	2	<b>9907-036 308</b>
76	102	160	9.53	2	<b>9907-036 310</b>
89	102	160	9.53	2	<b>9907-036 312</b>
102	102	160	9.53	2	<b>9907-036 314</b>
115	102	152	9.53	2	<b>9907-036 316</b>

# 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.

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

# INDUSTRIAL BRUSHES

Other brushes



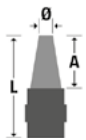
## Battery terminal brushes, steel wire

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



Appearance can vary from picture depending on variant.

■ Steel, crimped ■

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



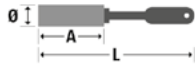
## Fitting brushes, steel wire

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



Appearance can vary from picture depending on variant.

■ 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



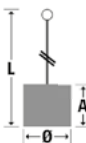
## Stove pipe cleaner, crimped wire

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 ■

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

## 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.

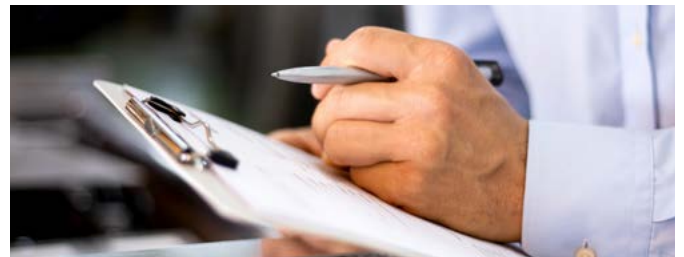
We can process a wide variety of components. For this purpose, the workpiece is put in a clamping device or on a rotary table and can then be machined. Process-relevant parameters such as rotational speed, cutting speed, feeds, immersion depth, etc. can be set and the results are measured.

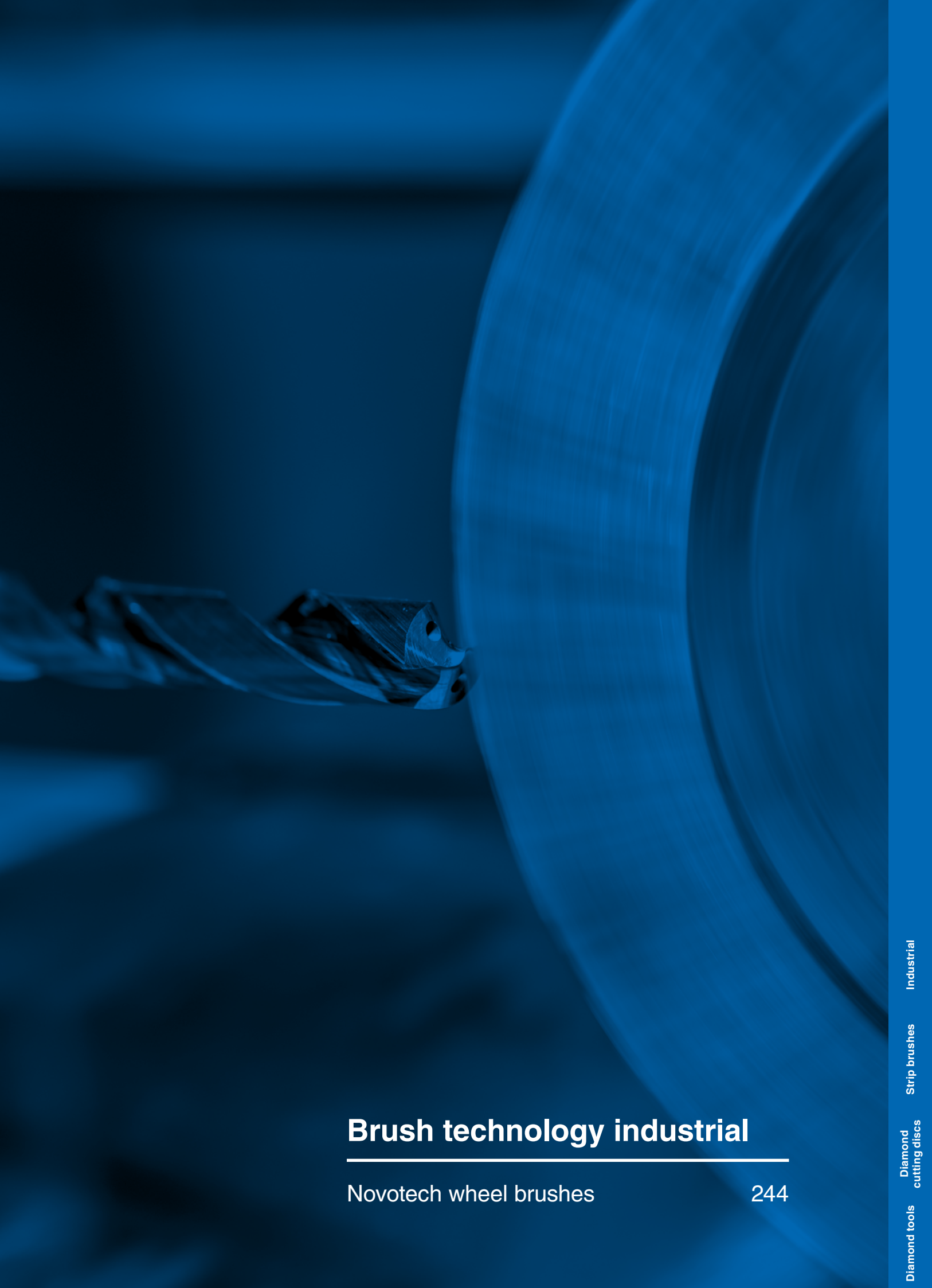


Even complex workpiece geometries are no obstacle. After the parts have been machined, we create a detailed documentation of our inspection results for you. In our report we define the objectives, the test sequence and the conclusions.

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](mailto:service@osborn.de)





## Brush technology industrial

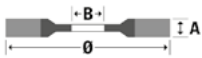
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Novotech wheel brushes

244



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.

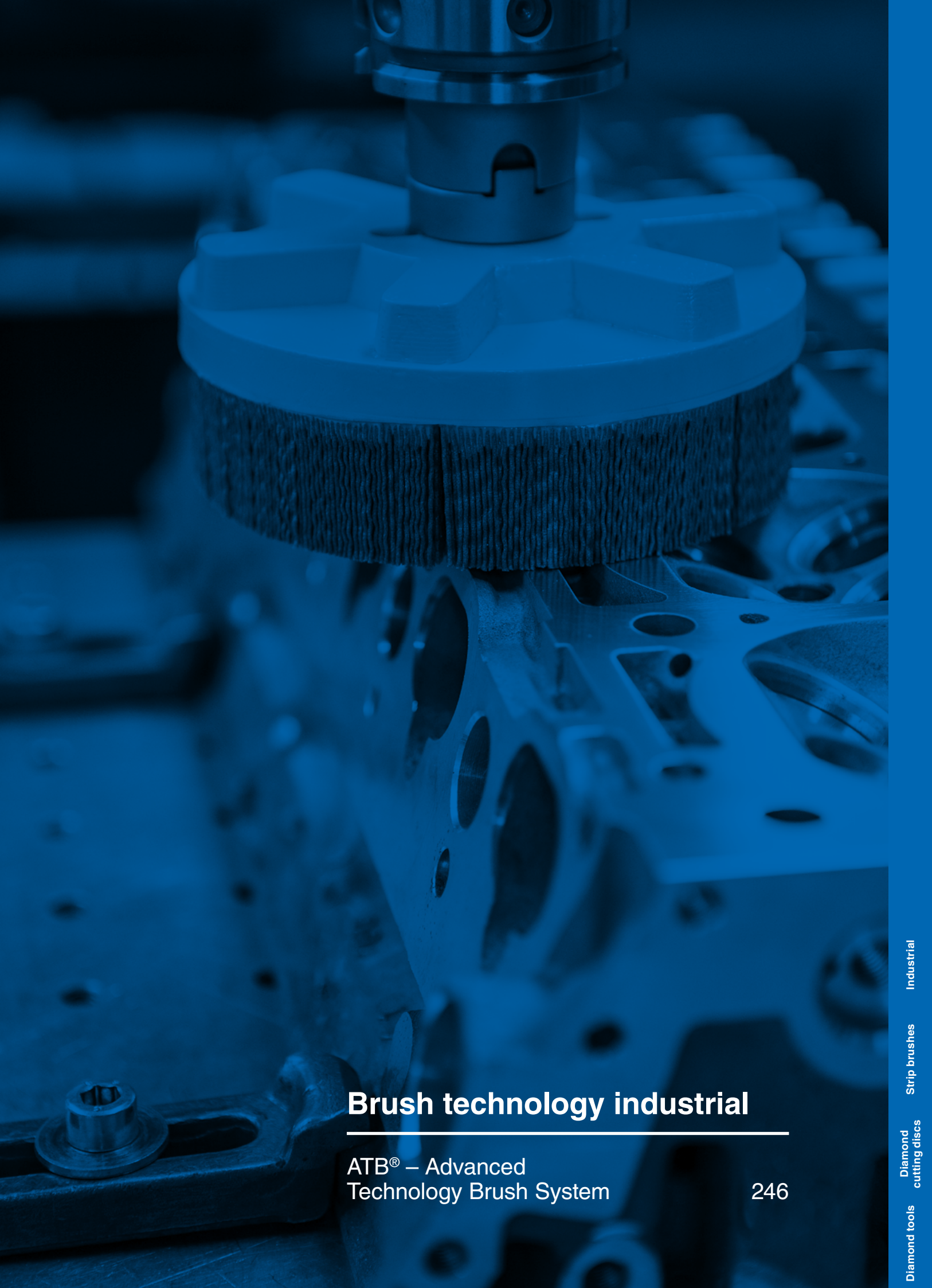
#### Carbide tools

- 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	<b>4001-901 924</b>	<b>6001-901 924</b>	<b>8001-901 924</b>
150	8	20	2800	1	<b>4001-902 924</b>	<b>6001-902 924</b>	<b>8001-902 924</b>
200	4	20	1400	1	4001-901 926	<b>6001-901 926</b>	8001- 901 926
200	8	20	1400	1	4001-902 926	<b>6001-902 926</b>	8001- 902 926



## Brush technology industrial

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ATB® – Advanced  
Technology Brush System

246

## High-tech brushes for automated deburring



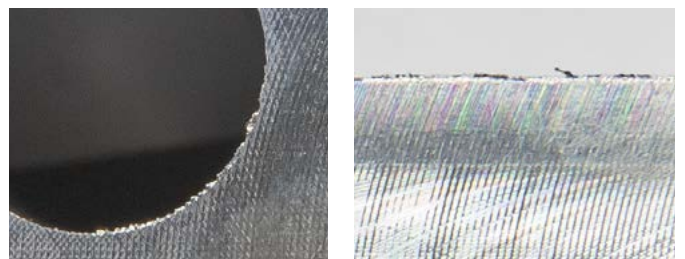
### Edge rounding without changing the workpiece geometry

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.

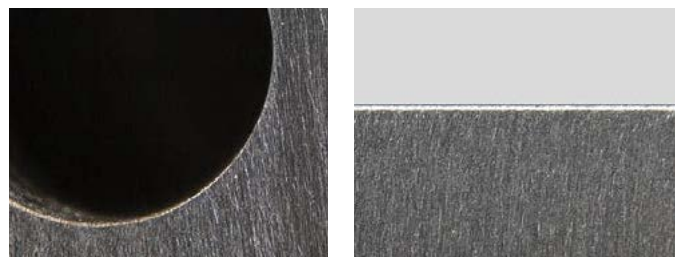
Our ATB® brushes are available to you with a large selection of abrasive bristles having **silicone carbide** or **ceramic** filament, with different grit sizes and filament diameters.

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, nipped 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

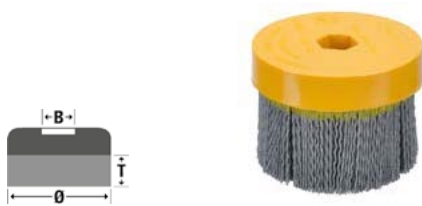
ATB® brushes have filament densities four times higher than disc brushes manufactured in the conventional way (punched). This means brush life is prolonged many times over - with at the same time quicker processing times and better and more efficient deburring results.

#### 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

# BRUSH TECHNOLOGY INDUSTRIAL

ATB® brushes



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

Evolution ★★★★★

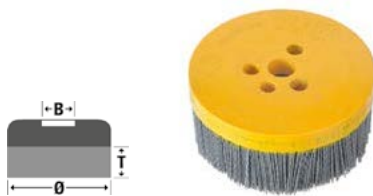
Can be used for deburring components made of the most diverse of materials, such as steel, aluminium and cast iron.

Appearance can vary from picture depending on variant.

Ø	T	B	For clamping fixture	PU	NHS 80	NHS 120	NHS 180	NHS 320
					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

Ø	T	B	For clamping fixture	PU	NHC 80	NHC 120	NHC 180	NHC 320
					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.

Ø	T	B	For clamping fixture	PU	NHS 80	NHS 120	NHS 180	NHS 320
					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	

Ø	T	B	For clamping fixture	PU	NHC 80	NHC 120	NHC 180	NHC 320
					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.

Clamping fixture	PU	INDEX K / Ø 50 mm	INDEX L / Ø 76 mm	INDEX L / Ø 85 mm	INDEX L / Ø 106 mm	Order no.
		Order no.	Order no.	Order no.	Order no.	
With shank (Ø 12 mm) and clamping DIN 6535-HB	1	<b>5002-075 000</b>	<b>3642-075 000</b>	<b>9602-075 000</b>	<b>3652-075 000</b>	
Clamping fixture	PU	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
		Order no.	Order no.	Order no.	Order no.	Order no.
For including on clamping cones HSK/SK tool holder	1	<b>3602-075 000</b>	<b>3612-075 000</b>	3622-075 000	3692-075 000	<b>1922-075 000</b>



## Tool holders

Appearance can vary from picture depending on variant.

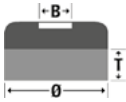
Tool holders	for INDEX	PU	Order no.
HSK – A63, to DIN 69893	C, D, E, F, G	1	<b>3603-604 000</b>
HSK – A100 to DIN 69893	C, D, E, F, G	1	<b>3633-604 000</b>
SK – 40 to DIN 69871	C, D, E, F, G	1	3613-604 000
Weldon surface with shank 12 mm diameter, HSK - A63 to DIN 69893	H, J, K, L	1	4933-604 000
Weldon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



## 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.



Appearance can vary from picture depending on variant.

						■ 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	



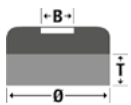
## ATB® brushes with maximum fill density, Turbo-line

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	<b>3141-604 916</b>	<b>3241-604 916</b>	<b>3351-604 916</b>	<b>3441-604 916</b>
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	<b>0351-604916</b>	<b>0441-604916</b>
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		

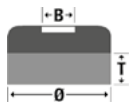
Our ATB® brushes are also available in many other designs. Our application engineers will be happy to advise you: [service@osborn.de](mailto:service@osborn.de)



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.

Ø	T	B	For fixture	PU	NHC 120	NHC 180	NHS 120	NHS 180
					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



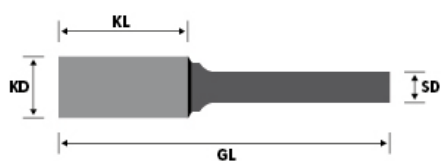


## Brush technology industrial

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Tungsten carbide burrs

254



## Tungsten carbide burrs, Z6 cut

Superior ★★★★★☆

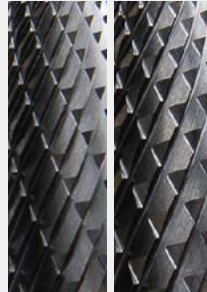
Tungsten carbide burrs with Z6 cut offer high material removal and are suitable for universal use on the most important industrial materials.

**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"> <li>unalloyed steel</li> <li>cast steel</li> <li>cast iron</li> </ul>		<ul style="list-style-type: none"> <li>alloy steel</li> <li>tool steel</li> <li>rust and acid resistant steel</li> </ul>	
	cutting speed (m/min)		cutting speed (m/min)	
	min. 450	max. 600	min. 250	max. 350
Ø Head (KD)	RPM		RPM	
3	48.000	64.000	27.000	37.000
6	24.000	32.000	13.000	19.000
8	18.000	24.000	10.000	14.000
9,5	15.000	20.000	8.000	12.000
10	14.000	19.000	8.000	11.000
12	12.000	16.000	7.000	9.000
12,7	11.000	15.000	6.000	9.000
16	9.000	12.000	5.000	7.000





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

**Tailor-made solutions**

You need a different cut, shaft length or different dimensions?  
 We will be pleased to work out a tailor-made solution for your machining process.

**Please contact us:**  
**Phone: + 44 1291643200**





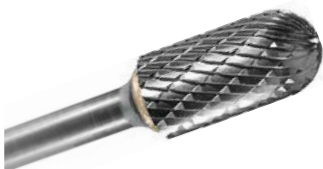
## Cylindrical shape (ZYA)

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	<b>0053-080 50</b>
08	13	06	58	Z6	1	20.000 - 30.000	<b>0003-080 058</b>
9,5	16	06	61	Z6	1	15.000 - 28.000	<b>0003-080 061</b>
12,7	22	06	67	Z6	1	12.000 - 18.000	<b>0003-080 067</b>
03	07	03	40	Z6	1	45.000 - 70.000	<b>0053-080 040</b>
06	10	03	40	Z6	1	25.000 - 40.000	<b>0063-080 040</b>

### Flame shape (FLF)



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

### Tree shape (SPG)



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

### Round tree shape (RBF)



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

## 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	<b>0013-080 000</b>
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

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Punched brushes

262

## 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

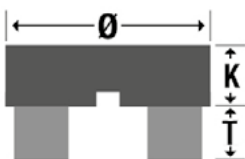
Ø	Non-abrasive bristles				Wires			
	Nylon 6.0	Nylon 6.6	Nylon 6.10/12	PPN	Steel wire	Brassed	Stainless steel	Brass
Application	dry	wet	wet, for food industry	acidic and alkaline areas	deburring, derust, roughen	deburring, derusting, roughening, texturing wood	deburring, roughen, clean	non-ferrous metals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

Ø	Abrasive bristles				Natural bristles	
	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.

Just fill in our inquiry form.  
You can find it here: [www.t1p.de/s7jk5](http://www.t1p.de/s7jk5)

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

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

Ø Outside in mm	K Body thickness in mm	T Trim length in mm
<b>Standard diameter</b>		
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

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Punched brushes



Appearance can vary from picture depending on variant.



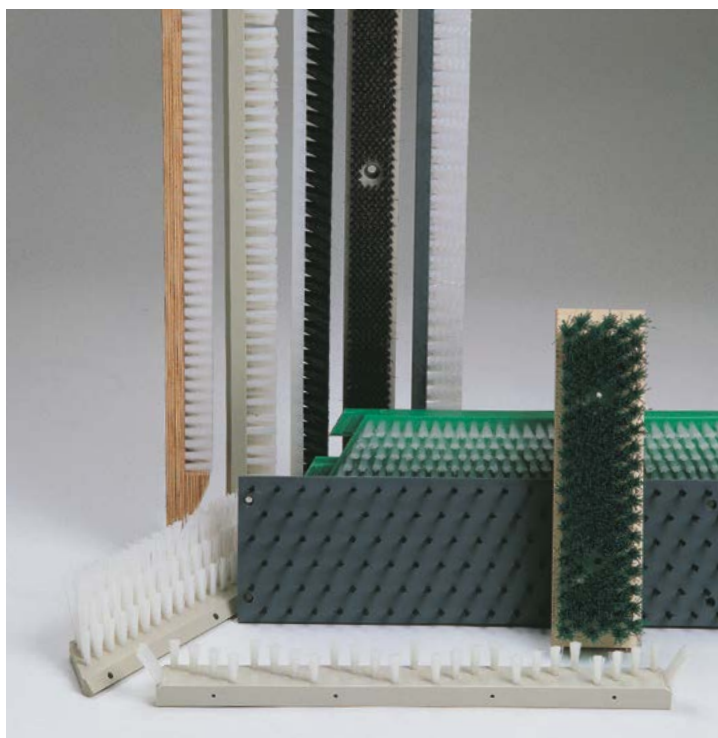
## Punched Lath Brushes

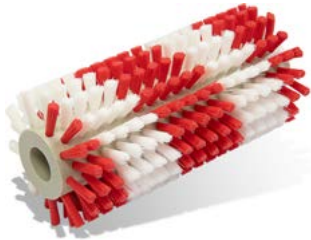
Superior ★★★★★☆

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](mailto:service@osborn.de)

	Minimal in mm	Maximal in mm
<b>H Body height</b>	10	100
<b>B Body width</b>	10	400
<b>L Body length</b>	10	1000
<b>T Free trim length</b>	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.

Simply fill out our inquiry form. You can find it here:  
[www.t1p.de/dq52](http://www.t1p.de/dq52)

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

K Body Ø in mm	Ø Brush		L Body length	T Trim length
	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](mailto:service@osborn.de)



There are various options for arranging the fill. You will find the overview on page 270.



## 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 270).

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

# BRUSH TECHNOLOGY INDUSTRIAL

Punched brushes

## 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



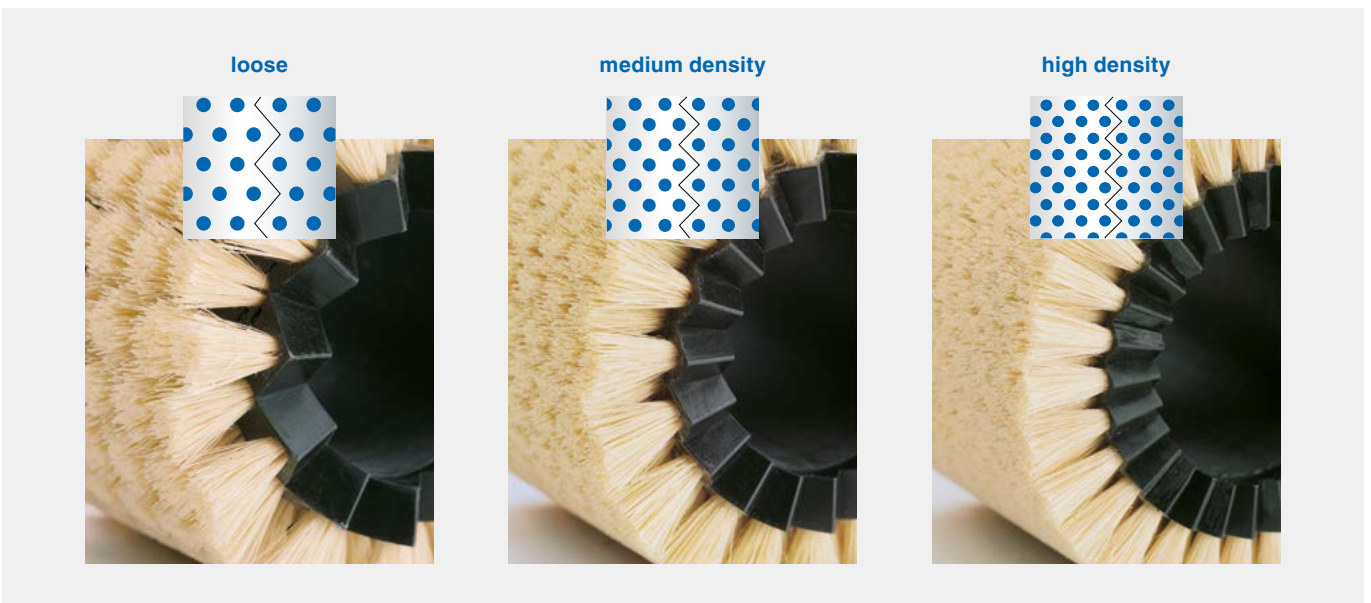
Spiral fill running to the right



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

Simply download our request form, fill it in and send it off.

### Download request form:

[www.t1p.de/d4e5](http://www.t1p.de/d4e5)

**Note:** Are you not really sure which configuration is the best choice for your application? No problem. Our application engineers will be happy to advise you.

[service@osborn.de](mailto: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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General information	274
Strip brushes	275
Broomate	276

# STRIP BRUSHES

General information

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## 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.

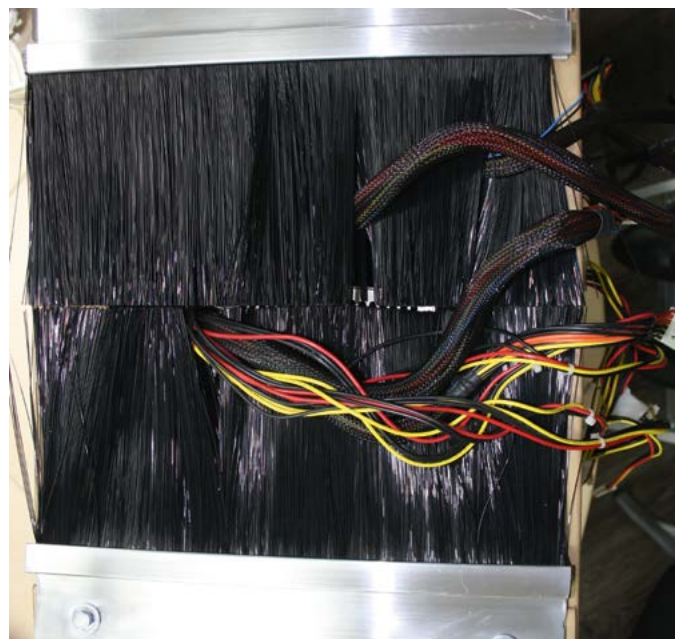
Custom lengths, profiles and variants are also available provided they satisfy our minimum order requirements.

### 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.





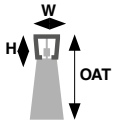
## Strip brushes with nylon filament

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.

Appearance can vary from picture depending on variant.



### Retaining rails:



90° F profile



180° h profile

### Type A strip brushes:

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

### Type A retaining rail:

Profile	GH	PW	PH	Order no.
180°	13.5	4.4	4	<b>0114-906 000</b>
90°	14	5.2	5.7	<b>0214-906 000</b>

### Type B strip brushes:

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

### Type B retaining rail:

Profile	GH	PW	PH	Order no.
180°	15	7.3	7	<b>0124-906 000</b>
90°	16	7.3	7	<b>0224-906 000</b>

### Type E strip brushes:

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

### Type E retaining rail:

Profile	GH	PW	PH	Order no.
180°	27	8.2	10	<b>0144-906 000</b>
90°	27	9	10	<b>0244-906 000</b>

### Type K strip brushes:

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

### Type K retaining rail:

Profile	GH	PW	PH	Order no.
180°	30	10	12	<b>0154-906 000</b>
90°	37	12	12	0254-906 000

### Type F strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
60	3000	7.8	8.7	0.50	<b>0904-905 856</b>
75	3000	7.8	8.7	0.30	<b>0904-905 847</b>
115	3000	7.8	8.7	0.50	<b>0904-905 859</b>
60	3000	7.8	8.7	0.90	<b>0904-905 896</b>

### Type F retaining rail:

Profile	GH	PW	PH	Order no.
180°	33	12	13	<b>0164-906 000</b>
90°	41	13	14	<b>0264-906 000</b>

### Type L strip brushes:

OAT	L	W	H	PA6 Ø	Order no.
230	3000	11.4	12.5	0.90	<b>0904-905 899</b>
150	3000	11.4	12.5	0.60	<b>0904-905 869</b>

### Type L retaining rail:

Profile	GH	PW	PH	Order no.
180°	68	18	17	<b>0174-906 000</b>
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](http://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



## Diamond cutting discs

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General information	278
Diamond cutting discs universal	288
Diamond cutting discs for stone slabs	295
Diamond cutting discs for tiles	297
Diamond cutting discs for concrete	300
Diamond cutting discs for natural stone	302
Diamond cutting discs for abrasive stones	303
Diamond cutting discs for asphalt	304
Diamond mortar raker	304

# DIAMOND CUTTING DISCS

General information

## General information

### TESTED SAFETY








When it comes to safety and quality, Osborn diamond cutting discs are produced and tested in accordance with the latest standards, regulations and norms. They meet the requirements of European safety standard EN 13 236. A majority of the products also fulfil the highest safety requirements of the oSa.

### CLEAR PRODUCT LABELLING

The following specifications provide you with an overview of the labelling on our products.

### DISC SPECIFICATIONS

#### Safety information

-  Observe the safety instructions of the machine manufacturer
-  Use safety goggles
-  Use hearing protection equipment
-  Wear dust mask
-  Wear gloves
-  May not be used for grinding
-  Do not use product if damaged

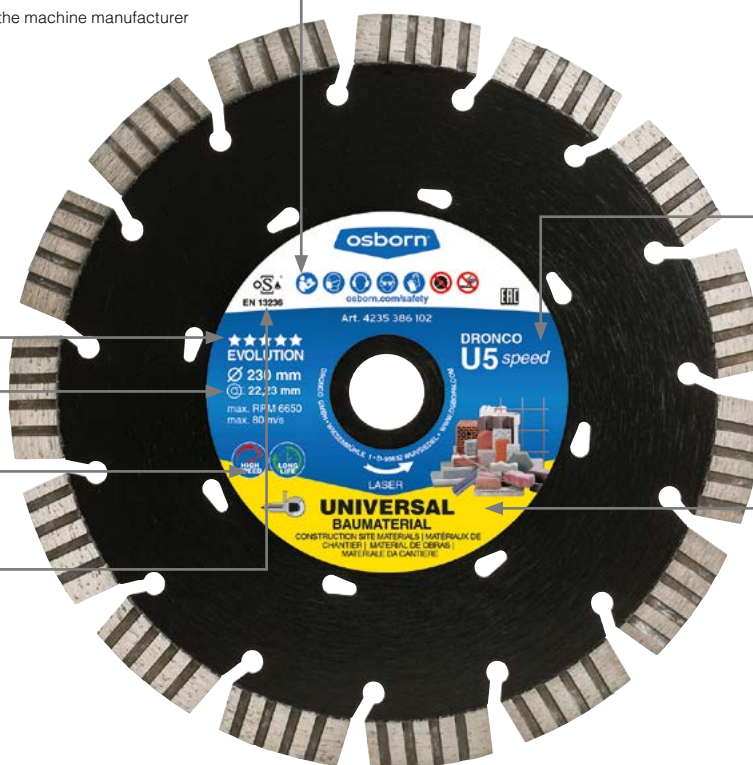
#### Quality line

**Dimension:**  
Outer diameter, diameter of the bore, max. circumferential speed, max. speed

Indicates special additional features

#### Standards

Our products meet the highest safety requirements and standards: EN 13 236 – diamond cutting discs oSa – Organization for the Safety of Abrasives



#### Type designation

In the case of diamond cutting discs, consists of the purpose and the performance class (3 / 4 / 5 / 7), e.g. **U5**  
**U** – Universal  
**S** – Stone slabs  
**F** – Tiles or fine stoneware  
**B** – Concrete  
**G** – Granite and hard stone  
**A** – Abrasive stone or asphalt  
**AM** – Mortar joints

#### Field of application

## THE RIGHT TOOL FOR EVERY TASK



# DIAMOND CUTTING DISCS

General information

## A STRONG PRODUCT IN A STRONG PACKAGE

### Packaging that offers more

We think that a top product deserves packaging to match. That's why DRONCO's products have sophisticated, eye-catching packaging that uses visual and tactile features to inform and impress your customers. The outstanding quality of the products and high-quality way our brand is presented enhance your image as a premium retailer. Self-explanatory packaging helps you advise your customers and promotes sales.

**Comprehensive protection**  
The packaging is closed on the sides to provide the product with optimal protection

**Colour-coded system with six colours**  
provide quick orientation

**Concise labelling**  
Product name indicates intended use, product line and additional features

**Clear view of the product**  
Steel core and diamond segments are readily visible

**Clear information**  
All relevant information on the product and packaging can be quickly read and understood

**Illustrated application**  
Customer can see spectrum of applications at a glance

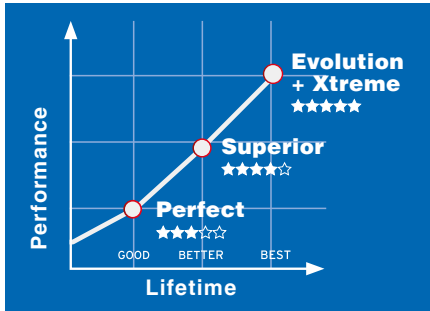
**The segment check**  
"Feel the power." The hole in the packaging lets customers see and feel the diamond segments

Recommendations for use in 16 languages on back side of packaging

EN 13 236  
SAFETY GUARANTEE  
osborn.com/baustivity  
Art. 4235 386 102  
★★★★ EVOLUTION  
Dronco U5 speed  
LASER  
UNIVERSAL BAUMATERIAL  
CONSTRUCTION SITE MATERIALS / MATÉRIEL DE CHANTIERS / MATERIALI DE CONSTRUCȚIE / MATERIALE SAU GARANȚIE  
HIGH SPEED LONG LIFE  
Ø 230 mm  
⊙ 22,23 mm  
★★★★ EVOLUTION  
Dronco U5 SPEED



## 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 / 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.

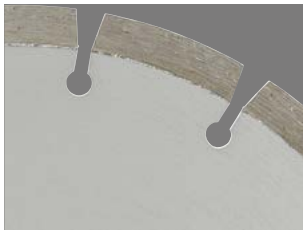


# DIAMOND CUTTING DISCS

General information

## CORE GEOMETRY

### Core shapes



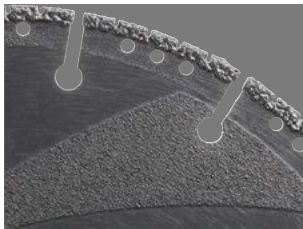
#### Normal segmentation (C3)

- Narrow slots with slot holes
- Good heat resistance
- Good material removal



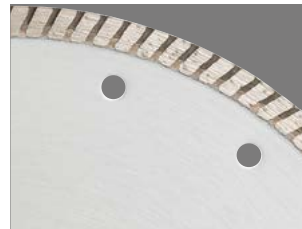
#### Continuous cutting rim (GRF)

- Smooth running
- Clean cut edges



#### Normal segmentation (C3), diamond brazed

- Narrow slots with slot holes
- Segments are coated with diamonds during vacuum-brazing process
- Good material removal



#### Continuous turbo cutting rim

- Continuous cutting rim
- Smooth running
- Clean, break-out free cut



#### Turbo segmentation (C3)

- Narrow slots with slot holes
- Fast, aggressive cutting
- Longer service life



#### Wide segmentation (C1)

- Wide segmentation
- Broad slots
- Good material discharge (self-cleaning)



#### Speed segmentation (C3)

- Narrow segmentation
- Narrow slots with slot holes
- Fast, aggressive cutting
- Longer service life, no cooling breaks
- Also cuts metals



#### Core guard segments (C1s)

- Broad slots
- Good material discharge
- Oblique guard segments protect core against wear and premature loss of segments

### For significantly reduced vibrations and noise

Special sandwich steel cores are used for our 'protect' discs and noticeably reduce vibrations and noise during cutting work.



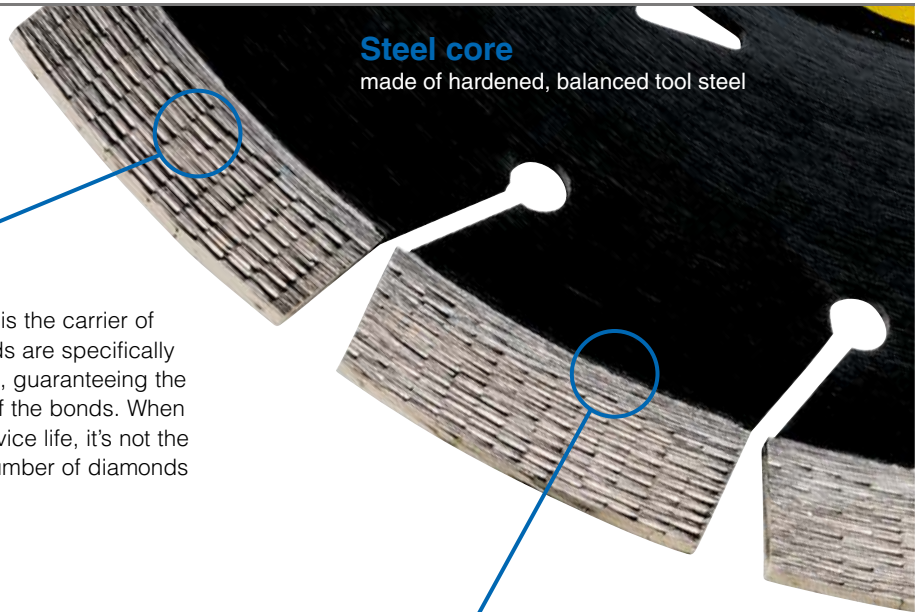
## DISC STRUCTURE

### Diamond segment

The right bond for every purpose

The bond between the individual segments is the carrier of the synthetic diamonds. The high-tech bonds are specifically tailored to the respective field of application, guaranteeing the best possible results and optimal wearing of the bonds. When it comes to the disc's cutting ability and service life, it's not the highest concentration but rather the right number of diamonds and composition of the bond:

**Hard material – Soft bond**  
**Soft material – Hard bond**



### Segment bond

Connects the core and the segment

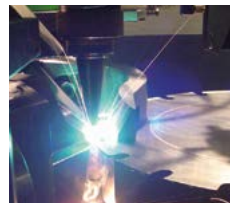
Diamond segments are permanently joined to the core via two methods:

#### Laser welding method

The diamond segments are permanently welded to the core in this case. This method ensures the highest possible safety during work, as the loss of segments can be almost completely excluded.

#### Sintering method

This process applies high pressure and heat to sinter the diamond segments and simultaneously join them to the core.



#### Poor – Bond is subjected to excessive wear



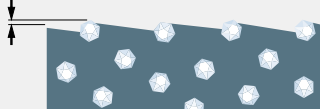
The diamonds separate prematurely, resulting in a shortened service life.

#### Poor – Bond is insufficiently worn



The diamonds are polished or broken off at the bond level. New diamonds are not released and the disc becomes dull.

#### Perfect – Bond is worn to an ideal extent



The diamonds are released evenly. The disc retains its cutting ability and has an ideal service life. The trail of the bond provides the diamonds with ideal protection and ensures optimal cutting ability.

#### Dry cutting discs

Osborn diamond cutting discs for dry cutting can be used for wet cutting as well without any issues.



#### Wet cutting blades

Osborn diamond cutting discs for wet cutting may only be used on water-cooled equipment!



# DIAMOND CUTTING DISCS

General information

## For a better overview: the colour-coding system

### FIND THE RIGHT CUTTING DISC IN NO TIME

A colour-coded system with six colours organises the cutting disc packaging according to specific groups of materials. An illustration also indicates the materials for which our cutting discs are suitable. This helps you and your customers make the right choice.

The detailed application table on page 286 helps you make a more precise choice as to which diamond cutting disc is most suitable for your application.

#### Universal

Yellow



#### Concrete

Green



#### Tiles/Stoneware

Turquoise



### When should you use a continuous cutting rim?

If you want to cut materials that require a clean cut surface (e.g. tiles, glazed bricks, fine stoneware), we recommend that you use one of our following discs: S3 turbo, S5 turbo, S5 turbo protect, F3, F4 cera or F5 ceraspeed.

The continuous cutting rim prevents material from chipping, helping you achieve a perfect cutting finish. Discs with a continuous cutting rim should only be used up to a cutting depth of 2 cm when dry cutting.

### Do you normally cut the same or different types of materials?

#### Same materials:

We recommend using the following types of discs: A4, B4, B5 and G4.

#### Different types of materials:

If your applications involve various materials, we recommend using the following disc types: U3, U4, U4 speed, U4 protect, DB4, U5 speed, U5 protect and U7 speed.

### Stone slabs

Orange



### Granite/Hard stone

Grey



### Abrasive stone

Red



# DIAMOND CUTTING DISCS

General information

## APPLICATION TABLE DIAMOND CUTTING DISCS

	Page	Asphalt	Basalt	Reinforced steel mesh	Concrete	Concrete, reinforced	Concrete roofing tiles	Composite concrete paving, for driving	Cotto plates	Ductile and cast pipes	Screed, floor pavement, plaster	Eternit	Fine stoneware, Quarry tiles	Refractory bricks	Wall and floor tiles	Green concrete (up to 24 hrs.)
<ul style="list-style-type: none"> <li>●●● extremely suitable</li> <li>●● very suitable</li> <li>● suitable</li> <li>◐ limited suitable</li> </ul>																
<b>UNIVERSAL / CONSTRUCTION SITE MATERIALS</b>																
U3 Perfect	288				●		●									
U4 Superior	289		●		●●	●	●	●	●		●					
U4 speed Superior	290		●●	●●	●●	●●	●●	●●	●●	●	●	●●				
DB4 Superior	290		●●	●●	●●	●●	●●	●●	●●	●●	●	●●				
U4 protect Superior	291		●●	●●	●●	●●	●●	●●	●●		●	●●				
U5 speed Evolution	292	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●●		
U5 protect Evolution	293	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●		
U7 speed Xtreme	294	●	●●	●●	●●●	●●●	●●●	●●●	●●		●	●●		●●		
<b>STONE SLABS / ROOFING TILES</b>																
S3 turbo Perfect	295				●		●●		●				◐		●	
S5 turbo Evolution	295				●●		●●●		●●●				●	◐	●	
S5 turbo protect Evolution	296				●●		●●●		●●●				●	◐	●	
<b>TILES / STONEWARE</b>																
F3 Perfect	297								●						●●	
F4 cera Superior	298				●		●		●●●				●●●		●●●	
F5 cera speed Evolution	299				●		●		●●●				●●●		●●●	
<b>CONCRETE</b>																
B4 Superior	300				●●	●●	●●	●●	●		●	●●				
B5 Evolution	301	◐	●●		●●●	●●●	●●●	●●●	●●●		●	●●●		●		
<b>GRANITE / HARD STONE / NATURAL STONE</b>																
G4 Superior	302		●●●		●		●		●●					●		
<b>ABRASIVE STONES / ASPHALT / MORTAR</b>																
A4 Superior	303	●●●					●				●●●	●		◐		●●
A4 Asphalt Superior	304	●●●					●				●●●	●		◐		●●
A4 M Superior	304				●						●●	●				

	Porous concrete (Ytong)	Gneiss	Granite	Cast iron up to 5-mm	Sand-lime brick	Limestone	Clinker. Engineering bricks	Marble	Paving bricks	Porphyry	Sandstone	Slate	Steels up to 3.5-mm	Terrazzo	Exposed aggregate concrete	Bricks
<b>UNIVERSAL / CONSTRUCTION SITE MATERIALS</b>																
U3 Perfect	•				•	•					•			•	•	•
U4 Superior	•	•	•		•	•				•	•	•		•	••	••
U4 speed Superior	•	•	•		•	•	•		•	•	•	•	•	•	••	••
DB4 Superior	•	•	•	•	•	•	•	•	•	•	•	•	••	•	••	••
U4 protect Superior	•	•	•		•	•	•		•	•	•	•	•	•	••	••
U5 speed Evolution	••	••	••		••	••	•••	•	•••	••	•	•	••	•••	•••	•••
U5 protect Evolution	••	••	••		••	••	•••	•	•••	••	•	•	••	•••	•••	•••
U7 speed Xtreme	••	••	••		••	••	•••	•	•••	••	•	•		•••	•••	•••
<b>STONE SLABS / ROOFING TILES</b>																
S3 turbo Perfect		•	•		•	•	•	•		•	•	•		•	•	•
S5 turbo Evolution		••	••		•	•	•	•		•	•	•		••	•	••
S5 turbo protect Evolution		••	••		•	•	•	•		•	•	•		••	•	••
<b>TILES / STONEWARE</b>																
F3 Perfect																
F4 cera Superior		•	•							•				•		
F5 cera speed Evolution		••	••							•				••		
<b>CONCRETE</b>																
B4 Superior	•					•	•		•					••	••	••
B5 Evolution	••	•	•		••	••	••		••	••	•	••		•••	•••	•••
<b>GRANITE / HARD STONE / NATURAL STONE</b>																
G4 Superior		•••	•••		•	••	••	••	•	••	•	••		••	•	
<b>ABRASIVE STONES / ASPHALT</b>																
A4 Superior	••				•••						•••					••
A4 Asphalt Superior	••				•••						•••					••
A4 M Superior	••				••						•					••

### On which type of machine can the diamond discs be used?



**Angle grinders**  
22.23 mm bore



**Table saws**  
25.4 mm or 30 mm bore



**Petrol saws**  
20 mm or 22.23 mm  
or 25.4 mm bore

You'll find this information in the detailed description provided for each type of disc on the following pages.

# DIAMOND CUTTING DISCS

Diamond cutting discs universal



## U3

Perfect ★★☆☆☆

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Sintered, segmented diamond cutting disc for use on construction site materials.

- For universal application with low to normal loads
- Good price-performance ratio
- Good cutting ability

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, exposed aggregate concrete and bricks.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	<b>4113 810 102</b>	042757
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	<b>4123 810 102</b>	042764
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	13	10	C3	1	<b>4183 810 102</b>	042771
230 x 2,5 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	<b>4233 810 102</b>	042788
300 x 3 x 20	12 x 7/64 x 3/4	6400	22	10	C3	1	<b>4303 805 102</b>	042795
300 x 3 x 22,23	12 x 7/64 x 7/8	6400	22	10	C3	1	<b>4303 810 102</b>	042801
300 x 3 x 25,4	12 x 7/64 x 1	6400	22	10	C3	1	<b>4303 815 102</b>	042818
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	20	10	C3	1	<b>4353 815 102</b>	042825





## U4 Superior ★★★★★☆

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Laser-welded, segmented U4 diamond cutting disc for construction site materials. Maximum safety and very good cutting results at an attractive price.

- For universal application
- Good price-performance ratio
- High cutting speed
- Good service life

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, exposed aggregate concrete, border stones, natural stone and bricks.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	<b>4114 185 102</b>	042832
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	<b>4124 185 102</b>	042849
150 x 2,4 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	<b>4154 185 102</b>	042856
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	<b>4184 185 102</b>	042863
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	<b>4234 185 102</b>	042870
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	10	C3	1	<b>4304 180 102</b>	042887
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	16	10	C3	1	<b>4304 182 102</b>	042894
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	16	10	C3	1	<b>4304 190 102</b>	042900
300 x 2,8 x 30	12 x 7/64 x 1 1/5	6400	16	10	C3	1	<b>4304 192 102</b>	042917
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	19	10	C3	1	<b>4354 180 102</b>	042924
350 x 2,8 x 22,23	14 x 7/64 x 7/8	5500	19	10	C3	1	<b>4354 185 102</b>	042931
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	10	C3	1	<b>4354 190 102</b>	042948
350 x 2,8 x 30	14 x 7/64 x 1 1/5	5500	19	10	C3	1	<b>4354 195 102</b>	042955
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	10	C3	1	<b>4404 190 102</b>	042962
450 x 3,6 x 25,4	18 x 1/8 x 1	4250	32	10	C3	1	<b>4454 190 102</b>	042979
Bosch quick-mount X-LOCK								
115 x 2,2 x 22,23	4 1/2 x 3/32 x 7/8	13300	9	10	C3	1	<b>4914 185 102</b>	043631
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	10	C3	1	<b>4924 185 102</b>	043648



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

# DIAMOND CUTTING DISCS

Diamond cutting discs universal



## U4 speed

Superior ★★★★★☆

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Fast-cutting, laser-welded all-purpose disc with broad range of applications. Special speed-slot segments enable a high cutting speed and good all-round characteristics at an attractive price.

- High cutting speed thanks to speed-slot segments
- Special punched core for smooth operation and optimal cooling
- Outstanding price-performance ratio
- No cooling breaks required

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, clinker, artificial and natural stone.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	4114 521 102	043044
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	4124 521 102	043051
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	4184 521 102	043068
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	15	10	C3	1	4234 521 102	043075
300 x 3 x 20	12 x 7/64 x 3/4	6400	20	10	C3	1	4304 521 102	043082
300 x 3 x 25,4	12 x 7/64 x 1	6400	20	10	C3	1	4304 525 102	043099
350 x 3 x 25,4	14 x 7/64 x 1	5500	23	10	C3	1	4354 525 102	043105



Suitable for battery-powered angle grinders (Ø 115 / 125 mm)

## DB 4 – all purpose

Superior ★★★★★☆

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Fast-cutting all-round product for wide range of universal applications on any construction site or for emergency operations. Core is coated directly with diamonds during a special vacuum process.

- For universal application with low to normal loads
- Good cutting ability

**Field of application:** Dry or wet cutting. For numerous materials such as: Artificial and natural stone, concrete, exposed aggregate concrete, concrete paving, clinker slabs, granite slabs, sand-lime brick, brick. Various metals, iron structures and iron profiles, cast iron, sheet metals, non-ferrous metals, ductile pipes, synthetic materials, glass, rubber, fibreglass, plastic, carbon fibre, wood, etc.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,8 x 22,23	4,5 x 7/64 x 7/8	13300	8	3	C3	1	4114 208 102	042214
125 x 2,8 x 22,23	5 x 7/64 x 7/8	12250	10	3	C3	1	4124 208 102	042221
180 x 3 x 22,23	7 x 7/64 x 7/8	8500	14	3	C3	1	4184 208 102	042238
230 x 3 x 22,23	9 x 7/64 x 7/8	6650	16	3	C3	1	4234 208 102	042245
300 x 3,4 x 20	12 x 1/8 x 3/4	6400	20	3	C3	1	4304 207 102	042252
350 x 3,4 x 20	14 x 1/8 x 3/4	5500	24	3	C3	1	4354 207 102	042269



## U4 protect

Superior ★★★★★☆

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Laser-welded, all-purpose diamond cutting disc with sandwich core that noticeably reduces vibrations and noise.

- Ergonomic, low-vibration and low-noise\* operation
- Outstanding cutting speed
- Very good service life thanks to 10-mm segment height
- An ideal combination of a high level of working comfort and good cutting performance in the middle price segment

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, clinker, artificial and natural stone.

### Less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines



\*Dimension of 230 mm: -8 db(A) under load compared to the U4 diamond cutting disc.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	10	C3	1	<b>4114 234 102</b>	042986
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	10	C3	1	<b>4124 234 102</b>	042993
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	10	C3	1	<b>4234 234 102</b>	043006
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	20	10	C3	1	<b>4304 232 102</b>	043013
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	20	10	C3	1	<b>4304 234 102</b>	043020
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	20	10	C3	1	<b>4304 236 102</b>	043037

# DIAMOND CUTTING DISCS

Diamond cutting discs universal



## U5 speed

Evolution ★★★★★

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Our best-seller: a laser-welded, all-round cutting disc with speed segments for a fast cut and clean edges. Very good all-purpose characteristics, outstanding service life. For universal application, ranging from soft, abrasive stones to hard/natural stone. Ideal for intensive professional use.

- Top-class, all-round product
- High-performance diamonds for exceptional service life
- Outstanding service life
- Aggressive, laser-welded turbo segments
- 12 to 15-mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	8	12	C3	1	<b>4115 386 102</b>	043167
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	12	C3	1	<b>4125 386 102</b>	043174
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	12	12	C3	1	<b>4185 386 102</b>	043181
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	15	C3	1	<b>4235 386 102</b>	043198
300 x 3,2 x 20	12 x 7/64 x 3/4	6400	21	15	C3	1	<b>4305 657 102</b>	043204
300 x 3,2 x 25,4	12 x 7/64 x 1	6400	21	15	C3	1	<b>4305 667 102</b>	043211
350 x 3,2 x 20	14 x 7/64 x 3/4	5500	25	15	C3	1	<b>4355 657 102</b>	043228
350 x 3,2 x 22,23	14 x 7/64 x 7/8	5500	25	15	C3	1	<b>4355 662 102</b>	043235
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	25	15	C3	1	<b>4355 667 102</b>	043242



## U5 protect Evolution ★★★★★

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

Laser-welded, all-round disc with a special precision core with a sandwich design that noticeably reduces vibrations and noise.

The segments are made of high-performance diamonds and a bond that is designed for an extremely high cutting speed. Clean cutting behaviour and a very good service life are also key characteristics of this product.

- 50% less noise, noticeably reduced vibrations
- Top-class, all-round product
- High-performance diamonds for exceptional service life
- Excellent service life
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

### 50% less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	16	10	C3	1	<b>4235 613 102</b>	043112
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	20	12	C3	1	<b>4305 603 102</b>	043129
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	20	12	C3	1	<b>4305 624 102</b>	043136
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	24	12	C3	1	<b>4355 603 102</b>	043143
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	24	12	C3	1	<b>4355 624 102</b>	043150

### Are you familiar with the latest regulations relating to the EU guidelines for protecting workers against noise and vibrations?

Thanks to the U5 protect, responsible employers can provide their staff with a tool that significantly reduces disruptive factors that pose a risk to health. A reduction in the noise level of minus 10 db(A) halves the volume. Thanks to an ingenious high-tech core, the U5 protect decreases the sound level by more than 50%. This also makes cutting operations much more comfortable in the area surrounding the construction site. A further bonus for the user is the noticeable reduction in vibration levels. Together, these two factors add up to an effective method of protecting the user's health – without any loss in performance.

# DIAMOND CUTTING DISCS

Diamond cutting discs universal



## U7 speed

Xtreme ★★★★★★

**UNIVERSAL**  
CONSTRUCTION SITE MATERIALS

This laser-welded all-round disc is ultra-fast and indestructible, featuring special segments with diamonds arranged to guarantee outstanding cutting characteristics. Ideal for intensive professional use.

**The U7 speed sets standards and combines all the features that a high-quality, all-round disc can offer:**

- Very high cutting speed thanks to innovative segment technology with geometrically arranged high-performance diamonds
- Segments and bond structure are ideally tailored to the cutting speed and universal uses
- Outstanding service life with daily all-round use thanks to flat segments with a height of up to 15 mm alongside a compact volume, a high density of diamonds and optimised bond hardness
- Effortless cutting without physical exertion
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For construction site materials such as concrete, reinforced concrete, exposed aggregate concrete. For hard and artificial stones such as gneiss, granite, clinker, porphyry and bricks.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	12	C3	1	4117 135 102	043259
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	9	12	C3	1	4127 135 102	043266
180 x 2,4 x 22,23	7 x 3/32 x 7/8	8500	12	12	C3	1	4187 135 102	043273
230 x 2,6 x 22,23	9 x 7/64 x 7/8	6650	16	15	C3	1	4237 135 102	043280
300 x 3,2 x 20	12 x 7/64 x 3/4	6400	21	15	C3	1	4307 134 102	043297
300 x 3,2 x 25,4	12 x 7/64 x 1	6400	21	15	C3	1	4307 136 102	043303
350 x 3,2 x 20	14 x 7/64 x 3/4	5500	25	15	C3	1	4357 134 102	043310
350 x 3,2 x 22,23	14 x 7/64 x 7/8	5500	25	15	C3	1	4357 135 102	043327
350 x 3,2 x 25,4	14 x 7/64 x 1	5500	25	15	C3	1	4357 136 102	043334





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

## S3 turbo

Perfect ★★☆☆☆

**STONE SLABS**

The cost-effective alternative for cutting stone slabs. Our proven, sintered diamond cutting disc for use on thin construction site materials. The cutting depth should not exceed 2 cm.

- Good cutting ability
- Continuous cutting rim for clean, breakout-free cut edges

**Field of application:** Dry or wet cutting. For stone slabs made of concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,1 x 22,23	4,5 x 5/64 x 7/8	13300	-	7	GR	1	<b>4113 460 102</b>	042634
125 x 2,1 x 22,23	5 x 5/64 x 7/8	12250	-	7	GR	1	<b>4123 460 102</b>	042641
180 x 2,6 x 22,23	7 x 7/64 x 7/8	8500	-	7	GR	1	<b>4183 460 102</b>	042658
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	7	GR	1	<b>4233 460 102</b>	042665
Bosch quick-mount X-LOCK								
115 x 2,1 x 22,23	4,5 x 5/64 x 7/8	13300	-	7	GR	1	<b>4913 460 102</b>	043679
125 x 2,1 x 22,23	5 x 5/64 x 7/8	12250	-	7	GR	1	<b>4923 460 102</b>	043686



## S5 turbo

Evolution ★★★★★

**STONE SLABS**

The premium turbo disc from DRONCO. 9-mm castle segments and a smooth, perforated stainless steel core are this disc's key features. You don't have to worry about limitations to the cutting depth with this turbo disc. It's a true all-rounder on any construction site and is especially popular amongst roofers and garden and landscape specialists.

- Fast-cutting turbo disc for thicker stone slabs as well
- Exceptional service life
- Smooth running
- Clean, breakout-free edges
- Very good all-round characteristics

**Field of application:** Dry or wet cutting. For concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks, roofing tiles.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	-	9	GR	1	<b>4115 441 102</b>	042672
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	-	9	GR	1	<b>4125 441 102</b>	042689
180 x 2,5 x 22,23	7 x 3/32 x 7/8	8500	-	9	GR	1	<b>4185 441 102</b>	042696
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	9	GR	1	<b>4235 441 102</b>	042702

# DIAMOND CUTTING DISCS

Diamond cutting discs for stone slabs



## S5 turbo protect

Evolution ★★★★★

**STONE SLABS**

Highly ergonomic diamond cutting disc with sandwich core that noticeably reduces vibrations and noise. You don't have to worry about limitations to the cutting depth with this turbo disc, and is especially popular amongst roofers and garden and landscape specialists. Perfectly combination of a high level of working comfort, good cutting performance and an attractive price.

- Turbo disc for thicker stone slabs as well
- Ergonomic, low-vibration and low-noise\* operation
- Outstanding cutting speed
- Very good service life
- Clean, breakout-free edges
- Laterally extended segments for good cutting clearance
- Waved core for optimal cooling
- Very good all-round characteristics

**Field of application:** Dry or wet cutting. For concrete, concrete roofing tiles, gneiss, granite, terrazzo, bricks, roofing tiles.

### Less noise – reduced vibrations

- A special sandwich core makes work significantly more ergonomic
- Protects people and machines

\*Dimension of 230 mm: -8 db(A) under load compared to the U4 diamond cutting disc.



Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	-	7	GR	1	<b>4115 466 102</b>	042719
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	-	7	GR	1	<b>4125 466 102</b>	042726
230 x 2,8 x 22,23	9 x 7/64 x 7/8	6650	-	7	GR	1	<b>4235 466 102</b>	042733





## F3

Perfect ★★★★★

**WALL TILES**

Proven thousands of times over: sintered diamond cutting disc with continuous cutting rim for breakout-free edges when cutting tiles.

- Good price-performance ratio
- Clean, breakout-free edges
- Good cutting performance during normal use

**Field of application:** Dry or wet cutting. For wall or floor tiles.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
100 x 1,8 x 16	4 x 5/64 x 5/8	15300	-	5	GR	1	<b>4103 500 102</b>	042276
110 x 1,9 x 22,23	4,5 x 5/64 x 7/8	13900	-	5	GR	1	<b>4113 509 102</b>	042283
115 x 1,9 x 22,23	4,5 x 5/64 x 7/8	13300	-	5	GR	1	<b>4113 510 102</b>	042290
125 x 1,9 x 22,23	5 x 5/64 x 7/8	12250	-	5	GR	1	<b>4123 510 102</b>	042306
150 x 2,1 x 22,23	6 x 5/64 x 7/8	10200	-	5	GR	1	<b>4153 510 102</b>	042313
150 x 2,1 x 25,4	6 x 5/64 x 1	10200	-	5	GR	1	<b>4153 515 102</b>	042320
180 x 2,3 x 22,23	7 x 3/32 x 7/8	8500	-	5	GR	1	<b>4183 510 102</b>	042337
180 x 2,3 x 25,4	7 x 3/32 x 1	8500	-	5	GR	1	<b>4183 515 102</b>	042344
200 x 2,4 x 22,23	8 x 3/32 x 7/8	7650	-	5	GR	1	<b>4203 510 102</b>	042351
200 x 2,5 x 25,4	8 x 3/32 x 1	7650	-	5	GR	1	<b>4203 515 102</b>	042368
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	-	5	GR	1	<b>4233 510 102</b>	042375
250 x 2,4 x 25,4	10 x 3/32 x 1	6150	-	5	GR	1	<b>4253 515 102</b>	042382

# DIAMOND CUTTING DISCS

Diamond cutting discs for tiles



## F4 cera

Superior ★★★★★☆

**STONEWARE**

**The F4 cera is the undisputed favourite amongst tilers!**

This thin, high-performance cutting disc with a turbo cutting rim is ideally suited for effortlessly cutting stoneware and quarry tiles. Also ideal for stone slabs of granite and other hard stones.

- Outstanding cutting speed
- Minimal physical effort required
- Clean, breakout-free edges
- Excellent service life

**Field of application:** Dry or wet cutting. For fine stoneware and high fired tiles. For natural stone slabs of marble, granite or terrazzo.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 1,4 x 22,23	4,5 x 1/8 x 7/8	13300	-	7,5	GR	1	<b>4114 512 102</b>	042399
125 x 1,4 x 22,23	5 x 1/8 x 7/8	12250	-	7,5	GR	1	<b>4124 512 102</b>	042405
150 x 2 x 25,4	6 x 5/64 x 1	10200	-	7,5	GR	1	<b>4154 517 102</b>	042412
180 x 2 x 22,23	7 x 5/64 x 7/8	8500	-	7,5	GR	1	<b>4184 512 102</b>	042429
180 x 2 x 25,4	7 x 5/64 x 1	8500	-	7,5	GR	1	<b>4184 517 102</b>	042436
200 x 2 x 22,23	8 x 5/64 x 7/8	7650	-	7,5	GR	1	<b>4204 512 102</b>	042443
200 x 2 x 25,4	8 x 5/64 x 1	7650	-	7,5	GR	1	<b>4204 517 102</b>	042450
230 x 2 x 22,23	9 x 5/64 x 7/8	6650	-	7,5	GR	1	<b>4234 512 102</b>	042467
250 x 2 x 25,4	10 x 5/64 x 1	6150	-	7,5	GR	1	<b>4254 517 102</b>	042474
300 x 2 x 25,4	12 x 5/64 x 1	6400	-	7,5	GR	1	<b>4304 517 102</b>	042481
300 x 2 x 30	12 x 5/64 x 1 1/5	6400	-	7,5	GR	1	<b>4304 518 102</b>	042498
350 x 2 x 25,4	14 x 5/64 x 1	5500	-	7,5	GR	1	<b>4354 517 102</b>	042504
350 x 2 x 30	14 x 5/64 x 1 1/5	5500	-	7,5	GR	1	<b>4354 518 102</b>	042511



Suitable for battery-powered angle grinders

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

## F5 cera speed

Evolution ★★★★★

**STONEWARE**

### The tiler's favourite for the finest cuts.

The particularly thin disc and special geometry of the cutting edge enable an exceptional cutting speed along with comfortable, smooth working conditions. The 10-mm-high diamond segmentation ensures an optimal service life. This blade offers maximum safety thanks to the integrated flange around the bore.

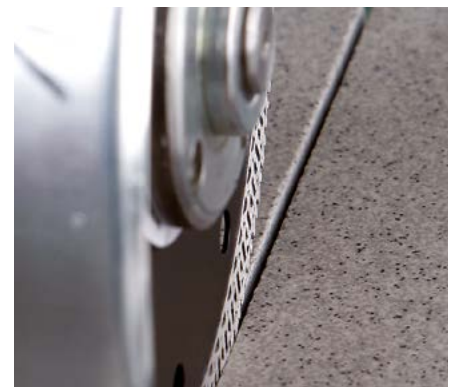
- Thin 1.2-mm cutting rim with special geometry
- Clean, breakout-free edges
- Minimal loss of material
- Exceptionally fast cutting
- Ergonomic, smooth cutting
- Very good service life thanks to 10-mm segment height

**Field of application:** Dry or wet cutting. For stoneware and high fired tiles. For natural stone slabs of marble, granite or terrazzo.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 1,2 x 22,23	4,5 x 3/64 x 7/8	13300	-	10	GR	1	<b>4115 514 102</b>	042528
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	-	10	GR	1	<b>4125 514 102</b>	042535
Bosch quick-mount X-LOCK								
115 x 1,2 x 22,23	4,5 x 3/64 x 7/8	13300	-	10	GR	1	<b>4915 514 102</b>	043655
125 x 1,2 x 22,23	5 x 3/64 x 7/8	12250	-	10	GR	1	<b>4925 514 102</b>	043662



**XLOCK**



# DIAMOND CUTTING DISCS

Diamond cutting discs for concrete



## B4

Superior ★★★★★☆

**CONCRETE**

Aggressive, laser-welded B4 diamond cutting disc for professional use on concrete and composite concrete paving. The particularly well-balanced segment bond guarantees it easy use on all types of concrete, including those with reinforcement.

- Easy use on all types of concrete
- High cutting speed
- Good service life
- 10-mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For bricks, reinforced concrete, composite concrete paving, concrete roofing tiles, exposed aggregate concrete, cotto slabs and terrazzo.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	9	10	C3	1	<b>4114 110 102</b>	041958
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	10	10	C3	1	<b>4124 110 102</b>	041965
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	<b>4154 110 102</b>	041972
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	<b>4184 110 102</b>	041989
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	10	C3	1	<b>4234 110 102</b>	041996
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	10	C3	1	<b>4304 105 102</b>	042009
300 x 2,8 x 22,23	12 x 7/64 x 7/8	6400	16	10	C3	1	<b>4304 110 102</b>	042016
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	16	10	C3	1	<b>4304 115 102</b>	042023
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	19	10	C3	1	<b>4354 105 102</b>	042030
350 x 2,8 x 22,23	14 x 7/64 x 7/8	5500	19	10	C3	1	<b>4354 110 102</b>	042047
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	10	C3	1	<b>4354 115 102</b>	042054
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	10	C3	1	<b>4404 116 102</b>	042061



## B5

Evolution ★★★★★

**CONCRETE**

The laser-welded, segmented B5 diamond cutting disc is a top-class product developed especially for concrete that features aggressive, high-performance diamonds. Intended for intensive professional use.

- Easy use on all types of concrete
- Extremely fast cutting with minimal physical effort
- Very good service life
- 10-mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For bricks, reinforced concrete, composite concrete paving, concrete roofing tiles, exposed aggregate concrete, cotto slabs and terrazzo.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	<b>4115 611 102</b>	042078
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	<b>4125 611 102</b>	042085
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	10	10	C3	1	<b>4155 611 102</b>	042092
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	12	10	C3	1	<b>4185 611 102</b>	042108
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	15	12	C3	1	<b>4235 611 102</b>	042115
250 x 2,6 x 25,4	10 x 7/64 x 1	6150	18	12	C3	1	<b>4255 616 102</b>	042122
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	18	12	C3	1	<b>4305 606 102</b>	042139
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	18	12	C3	1	<b>4305 616 102</b>	042146
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	21	12	C3	1	<b>4355 606 102</b>	042153
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	21	12	C3	1	<b>4355 616 102</b>	042160
400 x 3,5 x 25,4	16 x 1/8 x 1	4780	28	12	C3	1	<b>4405 616 102</b>	042177
450 x 3,5 x 25,4	18 x 1/8 x 1	4250	32	12	C3	1	<b>4455 616 102</b>	042184
500 x 4 x 25,4	20 x 5/32 x 1	3800	36	12	C3	1	<b>4505 616 102</b>	042191
600 x 4 x 25,4	24 x 5/32 x 1	3170	42	12	C3	1	<b>4605 616 102</b>	042207

# DIAMOND CUTTING DISCS

Diamond cutting discs for natural stone



## G4

Superior ★★★★★☆

**NATURAL STONE**

High-performance, laser-welded diamond cutting disc for effortlessly cutting natural stones. The soft, easy-cutting disc is used for applications where extremely impact-resistant diamonds are required.

- Special cutting disc for hard stone/natural stone
- High cutting speed
- Long service life
- 10-mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For hard stone/natural stone such as granite, basalt, slate, terrazzo, clinker, gneiss and porphyry.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2 x 22,23	4,5 x 5/64 x 7/8	13300	8	10	C3	1	<b>4114 010 102</b>	042542
125 x 2 x 22,23	5 x 5/64 x 7/8	12250	9	10	C3	1	<b>4124 010 102</b>	042559
150 x 2,2 x 22,23	6 x 3/32 x 7/8	10200	12	10	C3	1	<b>4154 010 102</b>	042566
180 x 2,2 x 22,23	7 x 3/32 x 7/8	8500	14	10	C3	1	<b>4184 010 102</b>	042573
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	15	12	C3	1	<b>4234 010 102</b>	042580
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	21	12	C3	1	<b>4304 015 102</b>	042597
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	25	12	C3	1	<b>4354 005 102</b>	042603
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	25	12	C3	1	<b>4354 015 102</b>	042610
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	28	12	C3	1	<b>4404 015 102</b>	042627



## A4

Superior ★★★★★

**ABRASIVE**

High-performance, laser-welded diamond cutting disc for professional use on abrasive stone. This disc's wear-resistant bond is extremely suitable for abrasive materials.

- Special cutting disc for abrasive materials
- High cutting speed
- Long service life
- 10-mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For abrasive materials such as sand-lime brick, floor pavement, plaster, sandstone, aerated concrete, brick, and roofing tiles.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 2,2 x 22,23	4,5 x 3/32 x 7/8	13300	9	7	C3	1	<b>4114 215 102</b>	041804
125 x 2,2 x 22,23	5 x 3/32 x 7/8	12250	10	7	C3	1	<b>4124 215 102</b>	041811
230 x 2,4 x 22,23	9 x 3/32 x 7/8	6650	16	7	C3	1	<b>4234 215 102</b>	041828
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	16	7	C3	1	<b>4304 225 102</b>	041835
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	19	7	C3	1	<b>4354 227 102</b>	041842

# DIAMOND CUTTING DISCS

Diamond cutting discs for asphalt



## A4 Asphalt

Superior ★★★★★☆

**ASPHALT**

High-performance, laser-welded diamond cutting disc for professional use on asphalt. Also suitable for green concrete (up to 24 hrs.), screed and abrasive, soft stone.

- Special cutting disc – designed for asphalt and abrasive materials
- High cutting speed
- Long service life
- 10 - 12 mm segment height
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. Also suitable for asphalt, green concrete (up to 24 hrs.), screed and abrasive, soft stone.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
300 x 2,8 x 20	12 x 7/64 x 3/4	6400	18	10	C1S	1	<b>4304 920 102</b>	041859
300 x 2,8 x 25,4	12 x 7/64 x 1	6400	18	10	C1S	1	<b>4304 930 102</b>	041866
350 x 2,8 x 20	14 x 7/64 x 3/4	5500	21	10	C1S	1	<b>4354 920 102</b>	041873
350 x 2,8 x 25,4	14 x 7/64 x 1	5500	21	10	C1S	1	<b>4354 930 102</b>	041880
400 x 3,2 x 25,4	16 x 7/64 x 1	4780	24	10	C1S	1	<b>4404 930 102</b>	041897
450 x 3,8 x 25,4	18 x 9/64 x 1	4250	27	10	C1S	1	<b>4454 930 102</b>	041903
500 x 3,8 x 25,4	20 x 9/64 x 1	3800	30	10	C1S	1	<b>4504 930 102</b>	041910
600 x 3,8 x 25,4	24 x 9/64 x 1	3170	36	12	C1S	1	<b>4604 930 102</b>	041927

Diamond mortar raker



## A4 M

Superior ★★★★★☆

**MORTAR RAKER**

High-performance, laser-welded diamond disc specially designed for rapidly removing old mortar residue from wall or screed joints.

- Special cutting disc with 6.4-mm segment width
- High removal rate
- Good service life
- Laser welded – no cooling breaks required

**Field of application:** Dry or wet cutting. For screed or plaster, aerated concrete, sand-lime bricks, bricks.

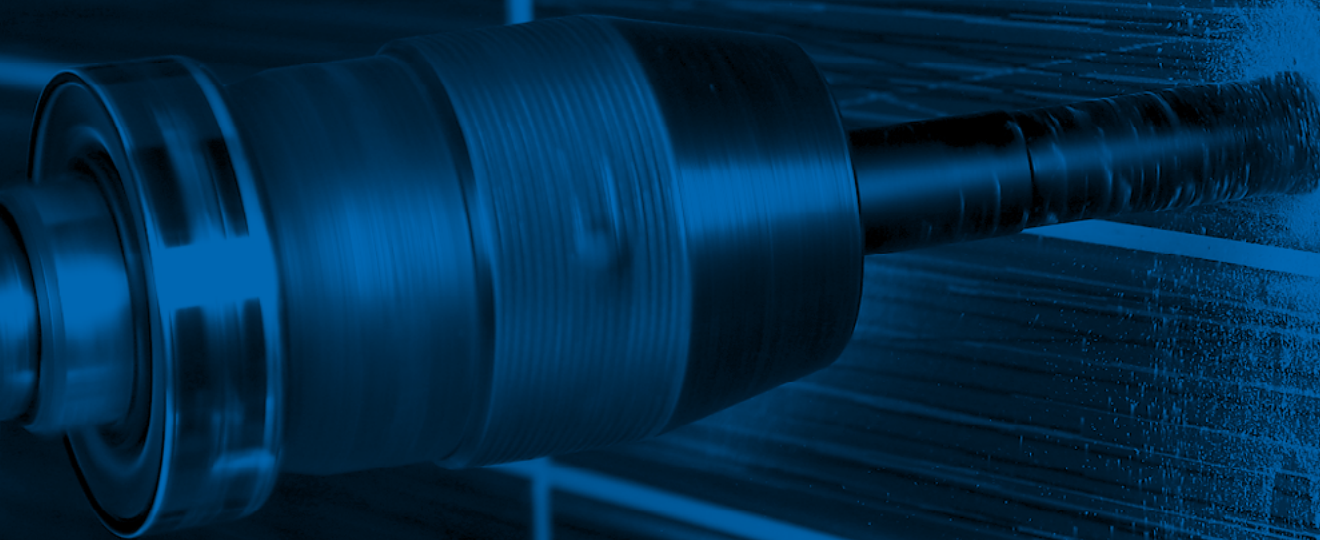
Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment height mm	Shape	PU	Item code	EAN 4081600
115 x 6,4 x 22,23	4,5 x 1/4 x 7/8	13300	9	7	C3	1	<b>4114 464 102</b>	041934
125 x 6,4 x 22,23	5 x 1/4 x 7/8	12250	10	7	C3	1	<b>4124 464 102</b>	041941



## Diamond tools

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Diamond tile drills for drilling machines	306
Diamond core bits	308
Diamond cup grinders	309



# DIAMOND TOOLS

Diamond tile drills for drilling machines



## CeraDrill for drilling machines

Evolution ★★★★★

DRONCO CeraDrill is an innovative, particularly powerful drill with a vacuum-brazed diamond coating for maximum drilling performance. It is used where conventional carbide and diamond tile drills reach their limits.

The CeraDrill bit comes with an integrated cooling liquid that is released during drilling. This makes cooling with water and the inconveniences that come with it unnecessary. CeraDrill bits make your work cleaner and easier.

- Vacuum-brazed diamond coating
- Integrated cooling liquid
- Simple and clean to work with
- No water cooling required

## CERADRILL

**Field of application:** For tiles, quarry tiles, ceramic and stoneware.

Dimension Diameter x shaft diameter x length [mm]	PU	Item code	EAN 4081600
5 x 12 x 35	1	4000 601 100	400809
6 x 12 x 35	1	4000 602 100	400816
8 x 12 x 35	1	4000 604 100	400830
10 x 12 x 35	1	4000 605 100	400847
12 x 12 x 35	1	4000 606 100	400854
14 x 12 x 35	1	4000 607 100	400861
Separate drilling aid	1	4001 100 100	400939

### Safety tip

**Not suitable for natural stone** - the integrated cooling liquid can leave spots on the material.



The tip of the drill bit is coated with diamonds during the vacuum brazing process.



## CeraDrill set for drilling machines

Evolution ★★★★★

Complete set with five CeraDrill bits, drilling aid and drilling core cleaner in an aluminium case. The perfect set for all floor tilers, plumbers and drywall builders.

**Field of application:** For tiles, quarry tiles, ceramic and stoneware.

## CERADRILL

Dimension	PU	Item code	EAN 4081600
Ø 5, 6, 8, 10, 12 mm	1	<b>4000 600 100</b>	400496

### Here's how it works:

- Remove the protective cap
- Start drilling the hole at a slant, then move to straight
- Use the drilling aid for vertical drilling
- Take a break from drilling to remove drilling dust
- Make slightly circular movements as you drill
- Let the drill bit cool after drilling each hole
- After drilling a hole, push the drilling core through the centre of the drill so that the opening remains clean
- Put the protective cap back on



# DIAMOND TOOLS

Diamond core bits



## BKT concrete

Evolution ★★★★★

Laser-welded core drill with outstanding service life and high level of efficiency. Innovative bonding of high-quality segments makes it suitable for all applications. The solution for dry drilling recesses for wall sockets and light switches (68 mm) or distribution boxes (82 mm).

- Outstanding service life
- High degree of efficiency
- 62 mm drilling depth
- Adapter in core drill = M16

**Field of application:** For dry drilling in concrete (including slightly reinforced), clinker, brick.

Designation	PU	Item code	EAN 4081600
Core bit, Ø 68 mm	1	<b>4000 368 100</b>	400137
Core bit, Ø 82 mm	1	<b>4000 382 100</b>	400236
Centre bit	1	<b>4000 478 100</b>	400304
6-point connection	1	<b>4000 568 100</b>	400359
SDS connection	1	<b>4000 668 100</b>	400403
Complete SDS part, Ø 68 mm	1	<b>4000 268 100</b>	400120
Complete SDS part, Ø 82 mm	1	<b>4000 282 100</b>	400229



## BKT abrasive stones

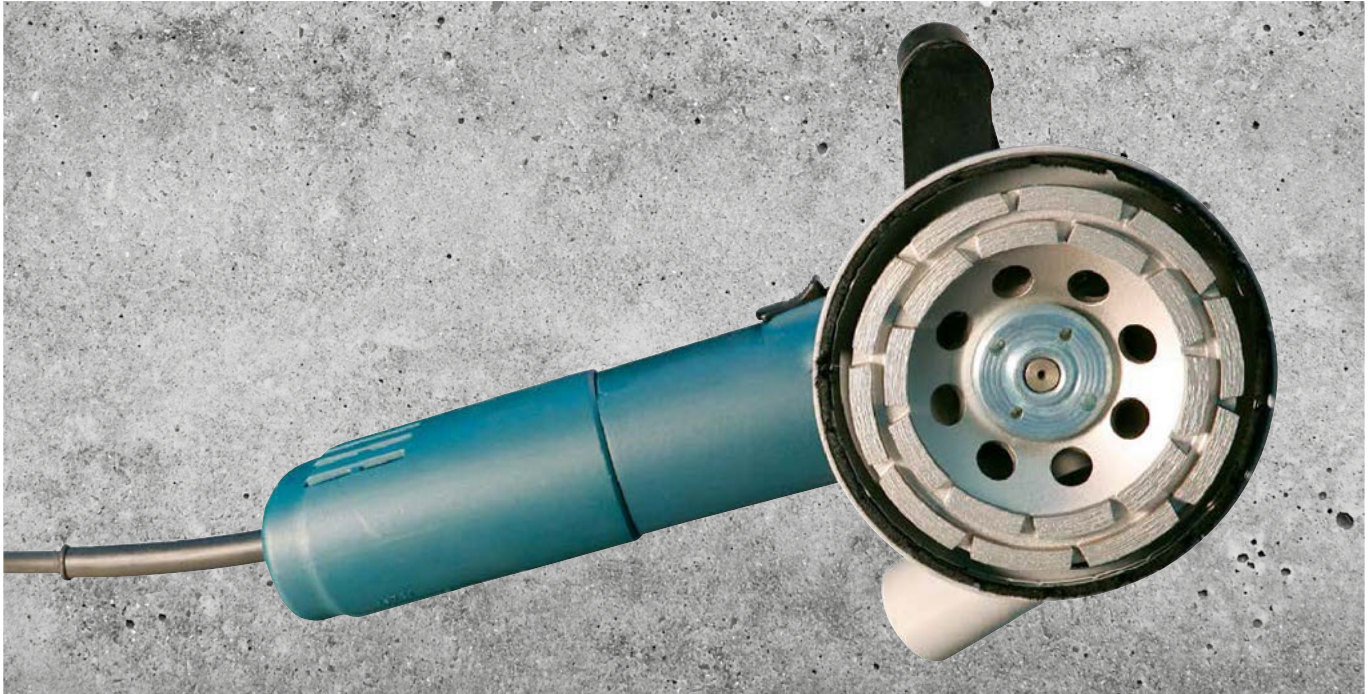
Evolution ★★★★★

Laser-welded core drill with very hard diamond segment bonding designed especially for abrasive materials. The solution for dry drilling recesses for wall sockets and light switches (68 mm) or distribution boxes (82 mm).

- Very good service life
- Rapid drilling progress
- 62 mm drilling depth
- Adapter in core drill = M16

**Field of application:** For dry drilling in sand-lime brick, sandstone, brick and masonry.

Designation	PU	Item code	EAN 4081600
Core bit, Ø 68 mm	1	<b>4010 010 100</b>	400519
Core bit, Ø 82 mm	1	<b>4010 050 100</b>	400502
Centre bit	1	<b>4000 478 100</b>	400304
6-point connection	1	<b>4000 568 100</b>	400359
SDS connection	1	<b>4000 668 100</b>	400403
Complete SDS part, Ø 68 mm	1	<b>4000 269 100</b>	400151
Complete SDS part, Ø 82 mm	1	<b>4000 283 100</b>	400168



Diamond cup grinders for use on grinding machines equipped with extraction systems and angle grinders with sufficient covers. These discs are the perfect tool for processing concrete and stone. Their removal rates and service life have been proven a million times over in practical use. Please see the application table below for the right tool for your needs.

### Application table for diamond cup grinders

	DST Power	DST Plus	DST Turbo	DST Boomerang	DST Speed	DST Blue Speed
●●● extremely suitable						
●● very suitable						
● suitable						
Grinding uneven areas on floor pavement	●	●	●	●	●	●
Removing irregularities on concrete	●	●●	●●	●●	●●	●●
Removing concrete ridges after formwork has been removed	●	●●	●●	●●	●●	●●
Removing dried plaster residue	●	●●	●	●	●	●
Bevelling concrete and paving stones	●	●	●●	●	●	●
Bevelling granite and natural stones	●	●	●	●	●	●
Bevelling aerated concrete	●	●●	●●	●●	●	●
Removing thermoplastic protective coatings	●	●	●●	●●	●●	●●
Removing adhesive residue on concrete surfaces	●	●	●	●●	●●	●●
Removal rate	●	●●	●	●●	●●	●●●

#### Safety tip

When using diamond cup grinders, please always ensure that the discs do not project beyond the protective cover of the machine to avoid the risk of injuries!

#### User tip

Our DST Plus diamond cup grinders are also available in a height of 22 mm on request for use on special concrete grinders.

# DIAMOND TOOLS

Diamond cup grinders



## DST Power

Perfect ★★★★★

Versatile diamond cup grinder for sanding stone and screed floors as well as for removing concrete ridges and for stone masonry tasks.

- Good removal rates during normal use

**Field of application:** For all uses on concrete, natural stone, floor pavement, construction site materials.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	8	Single row	1	<b>4116 033 102</b>	043457
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Single row	1	<b>4126 033 102</b>	043464



## DST Plus

Superior ★★★★★☆

Special diamond cup grinder for hard stone and abrasive materials. Choice of segments arranged in one or two rows makes this DRONCO cup grinder suitable for any purpose.

- High removal rates
- Removes significantly more material, handling is more ergonomic with double-rowed version

**Field of application:** For grinding concrete, natural stone, floor pavement, sand-lime brick, plaster, aerated concrete, green concrete

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	8	Single row	1	<b>4116 032 102</b>	043488
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	16	Double row	1	<b>4116 037 102</b>	043495
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Single row	1	<b>4126 032 102</b>	043501
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	14	Double row	1	<b>4126 037 102</b>	043518
180 x 18 x 22,23	7 x 45/64 x 7/8	8500	28	Double row	1	<b>4186 037 102</b>	043525



## DST Turbo

Superior ★★★★★☆

Diamond cup grinder with turbo grinding rim for grinding concrete and natural stone more finely.

- High removal rates with a minimum of effort
- Finer grinding finish
- Very good service life

**Field of application:** For grinding floor pavement, sand-lime brick, plaster, aerated concrete, green concrete.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	–	Turbo	1	<b>4116 041 102</b>	043570
125 x 22,23	5 x 7/8	12250	–	Turbo	1	<b>4126 041 102</b>	043587



## DST Boomerang

Superior ★★★★★☆

The powerful universal DST Boomerang diamond cup grinder for grinding concrete, abrasive stone and natural stone. The special geometry of the segments ensures clean grinding performance and effective dust removal.

- High removal rate
- Removing irregularities on concrete and concrete ridges
- Removing dried plaster residue
- Beveling concrete and paving stones, granite and natural stones
- Removing thermoplastic protective coatings
- Removing adhesive residue on concrete surfaces

**Field of application:** For grinding concrete, natural stone, floor pavement, sand-lime brick, plaster, aerated concrete and green concrete.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
122 x 18 x 22,23	5 x 45/64 x 7/8	12250	7	Boomerang	1	<b>4126 021 102</b>	043693

# DIAMOND TOOLS

Diamond cup grinders



## DST Speed

Evolution ★★★★★

The DST Speed diamond cup grinder is a powerful tool for all users who need to remove high quantities of material quickly. Welded segments with ideal geometry contain special diamonds in aggressive bond.

- 2.5 times higher removal rate\*
- Segments with special diamonds in aggressive bond
- Also highly suitable for removing adhesive residue and thermoplastic coatings

**Field of application:** For concrete, floor pavement and natural stone.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 18 x 22,23	4 1/2 x 45/64 x 7/8	13300	9	Radial	1	<b>4116 042 102</b>	043594
125 x 18 x 22,23	5 x 45/64 x 7/8	12250	9	Radial	1	<b>4126 042 102</b>	043600

\*The result: Removal rate in grams per minute increases by a factor of 2.5 (measured in comparison to double-rowed DST 56, on B 25 concrete)



## DST BLUE Speed

Evolution ★★★★★

The powerful DST BLUE Speed diamond cup grinder offers the highest removal rates in the DRONCO DST product range. Its low net weight and the special geometry of the segments facilitate ergonomic working conditions that are easy on the user.

- Special diamonds in an aggressive bond
- Phenomenally high removal rates
- Rapid work progress
- Maximum working comfort

**Field of application:** For grinding concrete and natural stone as well as removing adhesive residue.

Ø in mm	Ø in inches	RPM min <sup>-1</sup>	No. of segments	Segment shape	PU	Item code	EAN 4081600
115 x 22,23	4 1/2 x 7/8	13300	8	T-segment	1	<b>4116 064 102</b>	043617
125 x 22,23	5 x 7/8	12250	8	T-segment	1	<b>4126 064 102</b>	043624





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Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0001-102 006	200	0002-502 141	135	0002-505 362	136	0002-511 161	175	0002-622 131	120	0002-892 215	238
0001-102 016	200	0002-502 141	157	0002-505 362	158	0002-512 061	122	0002-622 151	120	0002-892 220	197
0001-102 095	200	0002-502 142	135	0002-505 542	136	0002-512 062	122	0002-622 331	120	0002-892 220	238
0001-104 924	200	0002-502 142	157	0002-505 542	158	0002-512 161	122	0002-622 351	120	0002-892 225	197
0001-110 114	202	0002-502 143	135	0002-506 141	135	0002-512 162	122	0002-623 131	120	0002-892 225	238
0001-120 097	202	0002-502 143	157	0002-506 141	157	0002-512 342	122	0002-623 151	120	0002-892 230	197
0001-122 096	202	0002-502 332	136	0002-506 142	135	0002-512 361	122	0002-626 061	107	0002-892 230	238
0001-150 592	194	0002-502 332	158	0002-506 142	157	0002-512 362	122	0002-626 251	107	0002-911 941	139
0001-150 593	194	0002-502 333	136	0002-506 161	135	0002-514 161	122	0002-626 650	107	0002-911 951	139
0001-150 594	194	0002-502 333	158	0002-506 161	157	0002-514 361	122	0002-626 651	107	0002-921 874	108
0001-150 595	194	0002-502 341	136	0002-506 162	135	0002-522 141	175	0002-630 304	164	0002-921 875	108
0001-151 132	194	0002-502 341	158	0002-506 162	157	0002-622 161	175	0002-630 305	164	0002-930 821	143
0001-151 133	194	0002-502 342	136	0002-506 332	136	0002-522 341	175	0002-630 310	164	0002-930 902	147
0001-151 134	194	0002-502 342	158	0002-506 332	158	0002-522 361	175	0002-630 311	164	0002-930 907	147
0001-151 135	194	0002-502 343	136	0002-506 343	158	0002-532 161	175	0002-630 316	164	0002-930 912	147
0001-151 136	194	0002-502 343	158	0002-506 342	136	0002-532 361	175	0002-630 317	164	0003-000 001	204
0001-151 332	194	0002-502 542	136	0002-506 342	158	0002-544 141	175	0002-630 328	164	0003-000 024	204
0001-151 333	194	0002-502 542	158	0002-506 343	136	0002-544 161	175	0002-630 334	164	0003-000 100	154
0001-151 334	194	0002-503 142	135	0002-506 343	158	0002-544 341	175	0002-630 335	164	0003-000 130	154
0001-151 335	194	0002-503 142	157	0002-506 361	158	0002-544 361	175	0002-630 340	164	0003-000 222	129
0001-151 392	194	0002-503 143	135	0002-506 362	136	0002-554 161	175	0002-630 341	164	0003-000 222	189
0001-151 393	194	0002-503 143	157	0002-506 362	158	0002-554 361	175	0002-631 131	104	0003-000 223	129
0001-151 394	194	0002-503 331	136	0002-506 363	136	0002-566 141	175	0002-631 151	104	0003-000 223	189
0001-151 395	194	0002-503 331	158	0002-506 363	158	0002-566 161	175	0002-631 331	104	0003-000 242	129
0001-152 022	194	0002-503 332	136	0002-506 542	136	0002-566 361	175	0002-631 351	104	0003-000 242	189
0001-152 023	194	0002-503 332	158	0002-506 542	158	0002-576 141	175	0002-632 131	120	0003-000 243	129
0001-152 024	194	0002-503 333	136	0002-507 142	135	0002-576 145	181	0002-632 151	120	0003-000 243	189
0001-152 025	194	0002-503 333	158	0002-507 142	157	0002-576 161	175	0002-632 331	120	0003-000 244	129
0001-152 132	194	0002-503 341	136	0002-507 162	135	0002-576 195	181	0002-632 351	120	0003-000 244	189
0001-152 133	194	0002-503 341	158	0002-507 162	157	0002-576 341	175	0002-641 131	104	0003-056 306	232
0001-152 134	194	0002-503 342	136	0002-507 342	136	0002-576 345	181	0002-641 151	104	0003-056 308	232
0001-152 135	194	0002-503 342	158	0002-507 342	158	0002-576 395	181	0002-641 181	104	0003-056 310	232
0001-152 332	194	0002-503 343	136	0002-507 362	136	0002-576 906	182	0002-641 351	104	0003-056 326	232
0001-152 333	194	0002-503 343	158	0002-507 362	158	0002-576 916	182	0002-653 131	104	0003-056 328	232
0001-152 334	194	0002-503 542	136	0002-507 542	136	0002-587 161	175	0002-653 151	104	0003-056 330	232
0001-152 335	194	0002-503 542	158	0002-507 542	158	0002-587 162	179	0002-653 181	104	0003-056 400	231
0001-158 522	194	0002-504 141	135	0002-509 142	145	0002-587 341	175	0002-653 351	104	0003-056 403	231
0001-158 523	194	0002-504 141	157	0002-509 142	167	0002-608 131	110	0002-664 131	173	0003-056 406	231
0001-158 524	194	0002-504 142	135	0002-509 143	145	0002-608 133	111	0002-664 151	173	0003-056 409	231
0001-158 525	194	0002-504 142	157	0002-509 143	167	0002-608 134	111	0002-664 152	173	0003-056 412	231
0001-179 097	199	0002-504 143	135	0002-509 144	145	0002-608 135	111	0002-676 131	173	0003-056 415	231
0001-179 297	199	0002-504 143	157	0002-509 144	167	0002-608 151	110	0002-676 151	173	0003-056 418	231
0001-261 173	199	0002-504 161	135	0002-509 162	145	0002-608 153	111	0002-676 181	173	0003-056 425	231
0001-401 912	151	0002-504 161	157	0002-509 162	167	0002-608 154	111	0002-686 131	173	0003-056 427	231
0001-432 603	193	0002-504 162	135	0002-509 163	145	0002-608 155	111	0002-686 151	173	0003-056 428	231
0001-432 604	193	0002-504 162	157	0002-509 163	167	0002-608 183	111	0002-686 181	173	0003-056 429	231
0001-432 613	193	0002-504 163	135	0002-509 164	145	0002-608 184	111	0002-808 100	229	0003-056 432	231
0001-432 614	193	0002-504 163	157	0002-509 164	167	0002-608 185	111	0002-808 125	228	0003-056 435	231
0001-432 623	193	0002-504 332	136	0002-509 165	168	0002-608 185	111	0002-808 130	228	0003-056 436	231
0001-432 624	193	0002-504 332	158	0002-509 167	168	0002-608 333	111	0002-808 132	228	0003-056 438	231
0002-056 011	232	0002-504 341	136	0002-509 192	145	0002-608 334	111	0002-808 138	228	0003-056 441	231
0002-056 012	232	0002-504 341	158	0002-509 192	167	0002-608 351	110	0002-808 140	228	0003-056 442	231
0002-056 013	232	0002-504 342	136	0002-509 193	145	0002-608 353	111	0002-808 144	228	0003-056 444	231
0002-056 014	232	0002-504 342	158	0002-509 193	167	0002-608 354	111	0002-808 150	228	0003-056 447	231
0002-056 015	232	0002-504 343	136	0002-509 194	145	0002-611 131	104	0002-808 163	229	0003-056 450	231
0002-056 016	232	0002-504 343	158	0002-509 194	167	0002-611 151	104	0002-808 175	229	0003-075 064	189
0002-056 017	232	0002-504 361	136	0002-509 342	145	0002-613 141	113	0002-812 215	228	0003-075 065	189
0002-056 018	232	0002-504 361	158	0002-509 342	167	0002-613 142	113	0002-812 218	228	0003-075 066	189
0002-056 311	232	0002-504 362	136	0002-509 343	145	0002-613 143	114	0002-812 220	228	0003-075 067	189
0002-056 312	232	0002-504 362	158	0002-509 343	167	0002-613 144	114	0002-815 212	228	0003-075 068	189
0002-056 313	232	0002-504 542	136	0002-509 344	145	0002-613 161	113	0002-815 214	228	0003-075 069	189
0002-056 314	232	0002-504 542	158	0002-509 344	167	0002-613 162	113	0002-816 215	239	0003-075 070	189
0002-056 315	232	0002-505 141	135	0002-509 362	145	0002-613 163	114	0002-816 218	239	0003-075 071	189
0002-056 316	232	0002-505 141	157	0002-509 362	167	0002-613 164	114	0002-816 220	239	0003-075 073	189
0002-056 317	232	0002-505 142	135	0002-509 363	145	0002-613 165	114	0002-816 225	239	0003-075 252	197
0002-056 318	232	0002-505 142	157	0002-509 363	167	0002-613 166	114	0002-816 315	239	0003-075 252	240
0002-056 331	232	0002-505 161	135	0002-509 364	145	0002-613 193	114	0002-816 318	239	0003-075 253	197
0002-056 332	232	0002-505 161	157	0002-509 364	167	0002-613 194	114	0002-816 320	239	0003-075 253	240
0002-056 333	232	0002-505 162	135	0002-509 448	188	0002-613 195	114	0002-816 325	239	0003-075 254	197
0002-056 334	232	0002-505 162	157	0002-509 478	188	0002-613 196	114	0002-816 515	239	0003-075 254	240
0002-056 335	232	0002-505 332	136	0002-509 498	188	0002-613 361	113	0002-816 518	239	0003-075 255	197
0002-056 336	232	0002-505 332	158	0002-509 562	145	0002-613 362	113	0002-816 520	239	0003-075 255	240
0002-056 337	232	0002-505 341	136	0002-509 562	167	0002-613 363	114	0002-816 525	239	0003-080 039	256
0002-056 338	232	0002-505 341	158	0002-509 563	145	0002-613 364	114	0002-819 110	241	0003-080 043	256
0002-501 142	135	0002-505 342	136	0002-509 563	167	0002-613 365	114	0002-825 213	240	0003-080 051	256
0002-501 142	157	0002-505 342	158	0002-509 564	145	0002-621 131	104	0002-825 214	240	0003-080 054	256
0002-501 143	135	0002-505 361	136	0002-509 564	167	0002-621 151	104	0002-825 216	240	0003-080 054	259
0002-501 143	157	0002-505 361	158	0002-509 908	188	0002-621 351	104	0002-892 215	197	0003-080 055	258

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0003-080 058	257	0003-816 806	239	0013-080 040	256	0063-080 043	258	0103-075 230	190	0201-604916	248
0003-080 059	256	0003-816 808	239	0013-080 043	256	0063-080 050	257	0103-075 232	190	0202-611 131	134
0003-080 061	257	0003-816 810	239	0013-080 050	256	0063-080 065	257	0103-075 235	190	0202-611 131	156
0003-080 063	257	0003-816 812	239	0013-080 054	256	0063-080 070	256	0103-075 240	190	0202-611 151	134
0003-080 065	256	0003-816 815	239	0013-080 058	258	0063-404 020	162	0103-075 313	190	0202-611 151	156
0003-080 065	259	0003-816 818	239	0013-080 065	256	0063-406 040	162	0103-075 316	190	0202-611 351	134
0003-080 067	257	0003-816 820	239	0013-080 070	256	0063-408 050	162	0103-075 316	224	0202-611 351	156
0003-080 070	256	0003-816 825	239	0013-080 077	258	0063-410 100	187	0103-075 320	190	0211-604916	248
0003-080 075	258	0003-999 027	204	0014-509 102	168	0063-410 100	220	0103-075 320	224	0214-906 000	275
0003-080 077	257	0004-000 127	154	0014-509 304	169	0073-080 040	257	0103-075 325	190	0224-509 101	169
0003-086 102	203	0004-102 925	201	0018-852 002	233	0073-080 050	257	0103-075 325	224	0224-906 000	275
0003-086 103	203	0004-401 052	150	0018-852 003	233	0073-080 065	257	0103-080 040	258	0231-604916	248
0003-086 104	203	0004-401 942	151	0021-604918	248	0074-509 301	169	0103-080 050	258	0241-604916	251
0003-086 105	203	0004-509 302	169	0023-080 040	256	0083-003 010	160	0103-080 065	258	0243-003 010	161
0003-102 950	201	0004-512 161	122	0023-080 043	256	0083-003 015	160	0111-604916	248	0243-003 015	161
0003-102 960	201	0004-512 361	122	0023-080 050	256	0083-004 020	160	0113-080 040	258	0243-004 020	161
0003-102 990	201	0004-608 131	110	0023-080 058	258	0083-004 030	160	0113-080 065	258	0243-005 020	161
0003-133 573	196	0004-608 151	110	0023-080 065	256	0083-005 020	160	0114-906 000	275	0243-005 030	161
0003-140 101	198	0004-608 331	110	0023-080 070	257	0083-005 030	160	0123-003 010	161	0243-006 020	161
0003-140 102	198	0004-608 351	110	0023-179 197	199	0083-006 020	160	0123-003 015	161	0243-006 030	161
0003-162 133	195	0004-613 161	113	0023-600 851	142	0083-006 030	160	0123-004 020	161	0243-006 040	161
0003-162 333	195	0004-613 162	113	0023-600 951	142	0083-006 030	218	0123-005 020	161	0243-008 050	161
0003-165 584	196	0004-613 361	113	0024-509 100	169	0083-006 040	160	0123-005 030	161	0243-304 020	163
0003-165 964	196	0004-613 362	113	0024-509 101	168	0083-008 050	160	0123-006 020	161	0243-304 030	163
0003-509 141	145	0004-622 131	120	0024-509 102	168	0083-010 100	186	0123-006 030	161	0243-305 030	163
0003-509 141	167	0004-622 151	120	0024-509 103	168	0083-010 100	220	0123-006 030	218	0243-305 040	163
0003-509 149	167	0004-906 954	276	0024-509 111	168	0083-080 040	257	0123-006 040	161	0243-306 030	163
0003-509 161	145	0004-906 955	276	0033-080 040	256	0083-080 050	257	0123-010 100	186	0243-306 030	219
0003-509 161	167	0004-906 962	276	0033-080 043	257	0083-080 065	257	0123-010 100	220	0243-308 050	163
0003-509 169	167	0004-906 963	276	0033-080 050	256	0083-304 020	163	0123-410 100	187	0244-906 000	275
0003-509 191	145	0008-432 573	196	0033-080 050	259	0083-304 030	163	0123-410 100	220	0254-906 000	275
0003-509 191	167	0008-447 573	192	0033-080 065	256	0083-305 030	163	0124-509 101	169	0264-906 000	275
0003-509 341	145	0008-447 574	192	0033-080 070	257	0083-305 040	163	0124-509 103	169	0274-906 000	275
0003-509 341	167	0008-451 333	192	0033-080 070	259	0083-306 030	163	0124-509 111	169	0281-307 095	198
0003-509 349	167	0008-451 334	192	0034-906 954	276	0083-306 030	219	0124-509 303	169	0281-604916	251
0003-509 361	145	0008-462 091	192	0034-906 962	276	0083-308 050	163	0124-906 000	275	0283-310 100	187
0003-509 361	167	0008-462 133	192	0034-906 963	276	0083-310 100	187	0131-604916	248	0283-310 100	221
0003-509 369	167	0008-462 134	192	0042-576 165	181	0083-310 100	221	0141-604916	251	0311-604916	248
0003-509 561	145	0008-462 291	192	0042-576 175	181	0083-404 020	162	0144-906 000	275	0323-304 020	163
0003-509 561	167	0008-462 391	192	0042-576 365	181	0083-406 040	162	0153-003 010	161	0323-304 030	163
0003-515 827	176	0008-462 591	192	0042-576 375	181	0083-406 040	219	0153-003 015	161	0323-305 030	163
0003-600 211	137	0008-493 100	197	0043-003 010	160	0083-408 050	162	0153-004 020	161	0323-305 040	163
0003-600 311	137	0008-493 100	240	0043-003 015	160	0083-410 100	187	0153-005 020	161	0323-306 030	163
0003-810 100	230	0008-509 161	146	0043-004 020	160	0083-410 100	220	0153-005 030	161	0323-308 050	163
0003-810 125	230	0008-509 162	146	0043-004 030	160	0088-600 221	137	0153-006 020	161	0341-604916	248
0003-810 128	230	0008-509 163	146	0043-005 020	160	0088-600 521	137	0153-006 030	161	0351-604916	251
0003-810 130	230	0008-509 164	146	0043-005 030	160	0093-080 040	257	0153-006 040	161	0391-604916	251
0003-810 132	230	0008-509 363	146	0043-006 020	160	0093-080 050	258	0153-304 020	163	0401-604916	248
0003-810 138	230	0008-600 221	137	0043-006 030	160	0093-080 065	257	0153-304 030	163	0402-631 131	104
0003-810 140	230	0008-600 321	137	0043-006 040	160	0101-604916	248	0153-305 030	163	0402-631 151	104
0003-810 144	230	0008-600 361	142	0043-008 050	160	0102-512 161	122	0153-305 040	163	0402-631 351	104
0003-810 150	230	0008-600 411	137	0043-010 100	186	0102-512 162	122	0153-306 030	163	0411-604916	248
0003-810 157	230	0008-600 421	137	0043-010 1000	220	0102-512 342	122	0153-306 030	219	0441-604916	251
0003-810 163	230	0008-600 422	137	0043-080 040	256	0102-512 362	122	0153-308 050	163	0481-604916	251
0003-810 169	230	0008-600 432	137	0043-080 043	257	0102-608 131	110	0153-404 020	162	0802-600 491	140
0003-810 175	230	0008-600 511	137	0043-080 050	256	0102-608 151	110	0153-406 040	162	0802-600 591	140
0003-810 182	230	0008-600 521	137	0043-080 065	256	0102-608 331	110	0153-406 040	219	0802-600 891	144
0003-815 210	228	0008-600 522	137	0043-080 070	257	0102-608 351	110	0153-408 050	162	0802-600 991	144
0003-816 204	239	0008-600 531	137	0053-080 040	257	0102-613 142	113	0154-906 000	275	0802-608 133	111
0003-816 205	239	0008-600 811	142	0053-080 043	257	0102-613 161	113	0161-604916	251	0802-608 134	111
0003-816 206	239	0008-600 821	142	0053-080 050	257	0102-613 162	113	0164-906 000	275	0802-608 135	111
0003-816 208	239	0008-600 832	142	0053-080 065	256	0102-622 131	120	0174-906 000	275	0802-608 153	111
0003-816 210	239	0008-600 911	142	0053-080 065	259	0102-622 151	120	0181-110 924	202	0802-608 154	111
0003-816 212	239	0008-600 921	142	0053-080 070	258	0102-622 331	120	0181-604916	251	0802-608 155	111
0003-816 304	239	0008-852 003	233	0063-003 010	160	0102-622 351	120	0182-600 491	140	0802-608 184	111
0003-816 305	239	0008-852 004	233	0063-003 015	160	0103-075 021	190	0182-600 591	140	0802-608 185	111
0003-816 306	239	0008-852 005	233	0063-004 020	160	0103-075 027	190	0182-600 891	144	0802-613 142	113
0003-816 308	239	0008-852 006	233	0063-004 030	160	0103-075 028	190	0182-600 991	144	0802-613 144	114
0003-816 310	239	0008-852 008	233	0063-005 020	160	0103-075 048	190	0183-003 010	161	0802-613 162	113
0003-816 312	239	0008-852 010	233	0063-005 030	160	0103-075 048	224	0183-003 015	161	0802-613 164	114
0003-816 504	239	0008-852 012	233	0063-006 020	160	0103-075 050	190	0183-004 020	161	0802-613 165	114
0003-816 505	239	0008-852 805	233	0063-006 030	160	0103-075 050	224	0183-005 020	161	0802-613 166	114
0003-816 506	239	0008-852 806	233	0063-006 030	218	0103-075 051	224	0183-005 030	161	0802-613 194	114
0003-816 508	239	0008-852 808	233	0063-006 040	160	0103-075 210	190	0183-006 020	161	0802-613 363	114
0003-816 510	239	0008-852 810	233	0063-008 050	160	0103-075 213	190	0183-006 030	161	0802-613 364	114
0003-816 512	239	0008-852 812	233	0063-010 100	186	0103-075 216	190	0183-006 040	161	0802-632 131	120
0003-816 804	239	0011-401 912	151	0063-010 100	220	0103-075 220	190	0183-310 100	187	0802-632 151	120
0003-816 805	239	0013-080 000	259	0063-080 040	257	0103-075 225	190	0183-310 100	221	0812-509 913	149

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0901-151 093	195	1120-250 100	33	1230-060 100	40	1802-509 911	148	2400-020 100	49	3236-041 100	63
0901-151 094	195	1121-000 100	26	1231-055 100	42	1802-509 912	148	2400-050 100	49	3236-500 100	64
0901-151 095	195	1121-055 100	42	1231-070 100	45	1802-509 913	148	2400-220 100	50	3236-520 100	64
0901-151 593	195	1121-070 100	45	1231-115 100	41	1802-509 914	148	2401-604 919	248	3236-540 100	65
0901-151 594	195	1121-115 100	41	1231-905 100	39	1802-607 914	118	2431-604916	250	3236-550 100	66
0901-151 595	195	1121-150 100	46	1231-906 100	39	1802-608 914	118	2441-604916	250	3236-560 100	66
0901-152 333	195	1121-240 100	28	1231-940 100	43	1812-509 913	149	2451-604916	250	3236-580 100	70
0901-152 334	195	1121-246 100	29	1231-965 100	44	1911-240 100	28	2461-604916	250	3236-660 100	72
0901-152 335	195	1121-250 100	34	1232-015 100	40	1911-246 100	29	2471-604916	250	3237-545 100	65
0901-604918	248	1121-251 100	35	1232-060 100	40	1911-250 100	34	2812-522 051	109	3237-561 100	68
0904-905 822	275	1121-340 100	37	1233-060 100	42	1911-251 100	35	2902-632 151	120	3237-860 100	69
0904-905 824	275	1121-360 100	32	1233-115 100	41	1911-360 100	33	2906-026 501	107	3238-040 100	63
0904-905 825	275	1121-746 100	31	1233-150 100	46	1921-240 100	28	3002-504 342	136	3241-604 916	251
0904-905 837	275	1121-756 100	36	1233-250 100	34	1921-246 100	29	3002-504 342	158	3261-604 916	251
0904-905 847	275	1121-905 100	39	1233-251 100	35	1921-250 100	34	3101-604 914	248	3281-604 916	251
0904-905 856	275	1121-906 100	39	1233-340 100	37	1921-251 100	35	3101-604 916	248	3301-462 122	193
0904-905 859	275	1121-940 100	43	1233-360 100	32	1921-360 100	33	3106-040 100	63	3301-462 162	193
0904-905 869	275	1121-966 100	44	1233-906 100	39	1922-075 000	249	3106-540 100	65	3301-462 562	193
0904-905 896	275	1122-015 100	40	1233-940 100	43	2008-512 061	123	3111-604 913	248	3303-140 101	198
0904-905 899	275	1122-060 100	40	1233-965 100	44	2008-512 161	123	3111-604 916	248	3311-604 913	248
0908-507 061	138	1123-060 100	42	1235-015 100	56	2008-608 131	112	3113-551 100	67	3311-604 916	248
0914-905 825	275	1123-115 100	41	1235-060 100	56	2008-608 151	112	3114-540 100	65	3321-604 914	248
0924-905 822	275	1123-270 100	38	1236-015 100	57	2008-608 152	112	3116-040 100	63	3351-604 916	251
0924-905 823	275	1123-906 100	39	1237-015 100	56	2008-608 153	112	3116-500 100	64	3371-604916	251
0924-905 825	275	1123-940 100	43	1238-015 100	57	2008-608 154	112	3116-520 100	64	3391-604 916	251
980-8036 516	234	1123-966 100	44	1238-250 100	55	2008-613 061	115	3116-540 100	65	3401-604 914	248
1003-086 438	203	1125-000 100	55	1243-404 020	162	2008-613 062	115	3116-550 100	66	3401-604 916	248
1003-086 450	203	1125-015 100	56	1243-406 040	162	2008-613 063	115	3116-560 100	66	3411-604 916	248
1004-608 151	141	1125-060 100	56	1243-406 040	219	2008-613 064	115	3116-580 100	70	3441-604 916	251
1061-604916	250	1126-015 100	57	1243-408 050	162	2008-613 065	115	3116-660 100	72	3461-604916	251
1071-604916	250	1127-015 100	56	1300-225 100	40	2008-613 161	115	3117-545 100	65	3481-604 916	251
1091-604916	250	1127-060 100	56	1300-226 100	40	2008-613 162	115	3117-561 100	68	3602-075 000	249
1100-015 100	40	1128-015 100	57	1301-125 100	41	2008-613 163	115	3123-551 100	67	3602-632 131	120
1101-070 100	45	1127-819 110	241	1301-126 100	41	2008-613 164	115	3124-500 100	64	3602-632 331	120
1101-966 100	44	1150-015 100	40	1301-127 100	41	2008-613 165	115	3124-540 100	65	3602-632 351	120
1102-015 100	40	1151-070 100	45	1301-376 100	47	2008-622 151	121	3124-560 100	68	3603-604 000	249
1103-115 100	41	1152-015 100	40	1301-377 100	47	2008-631 151	105	3126-040 100	63	3612-075 000	249
1105-015 100	56	1153-115 100	41	1301-604912	248	2101-401 913	252	3126-500 100	64	3613-604 000	249
1107-015 100	56	1153-150 100	46	1302-753 368	186	2102-576 916	182	3126-520 100	64	3622-075 000	249
1110-015 100	40	1153-250 100	34	1305-225 100	56	2103-000 461	211	3126-540 100	65	3633-604 000	249
1110-060 100	40	1153-340 100	37	1306-035 100	57	2103-002 101	207	3126-550 100	66	3642-075 000	249
1110-240 100	27	1180-015 100	40	1306-036 100	57	2103-002 102	206	3126-560 100	66	3652-075 000	249
1110-250 100	33	1180-060 100	40	1306-135 100	58	2103-005 333	211	3126-580 100	70	3692-075 000	249
1111-000 100	26	1181-055 100	42	1311-604912	248	2103-007 012	211	3126-660 100	72	3892-608 131	110
1111-055 100	42	1181-070 100	45	1321-604912	248	2103-100 643	222	3127-545 100	65	3902-504 162	159
1111-070 100	45	1181-115 100	41	1321-604913	248	2103-100 896	222	3127-560 100	68	3902-506 162	159
1111-115 100	41	1181-905 100	39	1331-604913	248	2103-100 944	222	3131-604 916	248	3902-512 161	123
1111-150 100	46	1181-906 100	39	1341-604914	248	2111-401 913	252	3141-604 916	251	3902-576 175	182
1111-240 100	28	1181-940 100	43	1351-135 100	41	2118-631 151	105	3151-604 913	248	3902-613 161	116
1111-246 100	29	1181-966 100	44	1351-137 100	41	2121-401 913	252	3154-540 100	65	3902-613 163	116
1111-250 100	34	1182-015 100	40	1351-386 100	47	2191-604916	251	3156-040 100	63	3902-613 164	116
1111-251 100	35	1183-060 100	42	1351-387 100	47	2201-604912	248	3156-500 100	64	3906-013 009	184
1111-340 100	37	1183-115 100	41	1351-604913	248	2202-631 151	104	3156-520 100	64	3906-013 021	184
1111-360 100	32	1183-150 100	46	1351-604914	248	2202-631 331	104	3156-540 100	65	3906-013 057	184
1111-746 100	31	1183-250 100	34	1356-035 100	57	2202-631 351	105	3156-560 100	66	3906-030 304	166
1111-756 100	36	1183-251 100	35	1356-037 100	57	2204-631 151	105	3156-580 100	70	3906-030 310	166
1111-905 100	39	1183-270 100	38	1356-135 100	58	2204-631 331	105	3157-560 100	68	3906-030 316	166
1111-906 100	39	1183-340 100	37	1361-604913	248	2204-631 351	105	3161-604 916	251	3912-613 163	116
1111-940 100	43	1183-360 100	32	1361-604914	248	2211-604 914	248	3181-604 916	251	3916-540 100	65
1111-966 100	44	1183-756 100	36	1371-604914	248	2224-509 101	169	3186-041 100	63	3926-540 100	65
1112-015 100	40	1183-906 100	39	1381-604914	248	2300-020 100	49	3186-500 100	64	4000-268 100	308
1112-060 100	40	1183-940 100	43	1402-631 131	104	2300-040 100	49	3186-520 100	64	4000-269 100	308
1113-060 100	42	1185-015 100	56	1402-631 151	104	2300-220 100	50	3186-540 100	65	4000-282 100	308
1113-115 100	41	1185-060 100	56	1402-631 351	104	2300-920 100	50	3186-560 100	66	4000-283 100	308
1113-270 100	38	1186-015 100	57	1418-600 005	152	2301-320 100	49	3186-580 100	70	4000-368 100	308
1113-906 100	39	1187-015 100	56	1421-604912	250	2301-340 100	49	3186-660 100	72	4000-382 100	308
1113-940 100	43	1202-509 912	148	1421-604914	250	2312-607 914	118	3187-545 100	65	4000-478 100	308
1113-966 100	44	1202-509 913	148	1431-604912	250	2350-020 100	49	3187-560 100	68	4000-478 100	308
1115-000 100	55	1202-509 914	148	1431-604914	250	2350-040 100	49	3187-860 100	69	4000-568 100	308
1115-015 100	56	1202-631 131	106	1441-604912	250	2350-220 100	50	3188-040 100	63	4000-568 100	308
1115-060 100	56	1202-631 151	106	1441-604914	250	2350-920 100	50	3201-604 916	248	4000-600 100	307
1116-015 100	57	1203-600 000	217	1451-604913	250	2351-320 100	49	3202-509 911	148	4000-601 100	306
1117-015 100	56	1203-600 001	207	1461-604913	250	2351-340 100	49	3202-509 912	148	4000-602 100	306
1117-060 100	56	1203-600 002	206	1518-600 005	153	2352-512 342	122	3202-509 913	148	4000-604 100	306
1118-015 100	57	1212-631 131	106	1601-604 914	248	2352-512 362	122	3202-509 914	148	4000-605 100	306
1120-015 100	40	1212-631 151	106	1602-608 131	110	2352-608 131	110	3211-604 916	248	4000-606 100	306
1120-060 100	40	1224-509 101	168	1602-608 151	110	2352-608 151	110	3221-604 914	248	4000-607 100	306
1120-240 100	27	1230-015 100	40	1611-604918	248	2352-622 151	120	3231-604 916	248	4000-668 100	308

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
4000-668 100	308	4184-521 102	290	4354-930 102	304	5231-167 100	83	5248-306 100	84	5832-187 100	82
4001-100 100	306	4185-386 102	292	4355-603 102	293	5231-184 100	80	5251-104 100	88	5832-189 100	82
4001-901 924	244	4185-441 102	295	4355-606 102	301	5231-186 100	80	5251-106 100	88	5851-304 100	89
4001-901 926	244	4185-611 102	301	4355-616 102	301	5231-187 100	80	5251-107 100	88	5851-306 100	89
4001-902 924	244	4186-037 102	310	4355-624 102	293	5231-204 100	78	5251-304 100	88	5851-307 100	89
4001-902 926	244	4187-135 102	294	4355-657 102	292	5231-206 100	78	5251-306 100	88	5851-444 100	92
4010-010 100	308	4203-510 102	297	4355-662 102	292	5231-207 100	78	5251-307 100	88	5851-446 100	92
4010-050 100	308	4203-515 102	297	4355-667 102	292	5231-209 100	78	5251-434 100	91	5851-447 100	92
4021-604 918	248	4204-512 102	298	4357-134 102	294	5231-364 100	83	5251-436 100	91	5852-304 100	89
4102-921 051	108	4204-517 102	298	4357-135 102	294	5231-366 100	83	5251-437 100	91	5852-306 100	89
4103-500 102	297	4233-460 102	295	4357-136 102	294	5231-367 100	83	5251-444 100	91	5852-307 100	89
4113-460 102	295	4233-510 102	297	4404-015 102	302	5231-384 100	80	5251-446 100	91	5852-444 100	92
4113-509 102	297	4233-810 102	288	4404-116 102	300	5231-386 100	80	5251-447 100	91	5852-446 100	92
4113-510 102	297	4234-010 102	302	4404-190 102	289	5231-387 100	80	5251-604 100	87	5852-447 100	92
4113-810 102	288	4234-110 102	300	4404-930 102	304	5231-389 100	80	5251-606 100	87	5891-604914	248
4114-010 102	302	4234-185 102	289	4405-616 102	301	5231-404 100	92	5251-607 100	87	5901-604 918	248
4114-110 102	300	4234-208 102	290	4411-604914	248	5231-406 100	92	5251-704 100	79	5931-184 100	81
4114-185 102	289	4234-215 102	303	4454-190 102	289	5231-407 100	92	5251-706 100	79	5931-186 100	81
4114-208 102	290	4234-234 102	291	4454-930 102	304	5231-409 100	92	5251-707 100	79	5931-187 100	81
4114-215 102	303	4234-512 102	298	4455-616 102	301	5232-004 100	78	5252-104 100	88	5931-384 100	81
4114-234 102	291	4234-521 102	290	4504-930 102	304	5232-006 100	78	5252-106 100	88	5931-386 100	81
4114-464 102	304	4235-386 102	292	4505-616 102	301	5232-007 100	78	5252-107 100	88	5931-387 100	81
4114-512 102	298	4235-441 102	295	4602-626 131	104	5232-009 100	78	5252-304 100	88	5931-389 100	81
4114-521 102	290	4235-466 102	296	4602-743 178	186	5232-164 100	83	5252-306 100	88	5932-184 100	81
4115-386 102	292	4235-611 102	301	4604-930 102	304	5232-166 100	83	5252-307 100	88	5932-186 100	81
4115-441 102	295	4235-613 102	293	4605-616 102	301	5232-167 100	83	5252-434 100	91	5932-187 100	81
4115-466 102	296	4237-135 102	294	4612-626 331	104	5232-184 100	80	5252-436 100	91	5932-384 100	81
4115-514 102	299	4253-515 102	297	4902-613 561	113	5232-186 100	80	5252-437 100	91	5932-386 100	81
4115-611 102	301	4254-517 102	298	4902-613 562	113	5232-187 100	80	5252-444 100	91	5932-387 100	81
4116-032 102	310	4255-616 102	301	4912-613 561	113	5232-204 100	78	5252-446 100	91	5932-389 100	81
4116-033 102	310	4303-805 102	288	4913-460 102	295	5232-202 100	78	5252-447 100	91	5941-444 100	90
4116-037 102	310	4303-810 102	288	4914-185 102	289	5232-207 100	78	5252-604 100	87	5941-446 100	90
4116-041 102	311	4303-815 102	288	4915-514 102	299	5232-209 100	78	5252-606 100	87	5941-447 100	90
4116-042 102	312	4304-015 102	302	4923-460 102	295	5232-364 100	83	5252-607 100	87	5942-444 100	90
4116-064 102	312	4304-105 102	300	4924-185 102	289	5232-366 100	83	5252-704 100	79	5942-446 100	90
4117-135 102	294	4304-110 102	300	4925-514 102	299	5232-367 100	83	5252-706 100	79	5942-447 100	90
4123-460 102	295	4304-115 102	300	4933-604 000	249	5232-384 100	80	5252-707 100	79	5991-604914	250
4123-510 102	297	4304-180 102	289	5002-075 000	249	5232-386 100	80	5401-401 913	109	6001-901 924	244
4123-810 102	288	4304-182 102	289	5131-184 100	82	5232-387 100	80	5402-921 873	108	6001-901 926	244
4124-010 102	302	4304-190 102	289	5131-186 100	82	5232-389 100	80	5411-401 913	109	6001-902 924	244
4124-110 102	300	4304-192 102	289	5131-187 100	82	5238-004 100	78	5411-604 912	248	6001-902 926	244
4124-185 102	289	4304-207 102	290	5132-184 100	82	5238-006 100	78	5421-401 913	109	6011-000 000	94
4124-208 102	290	4304-225 102	303	5132-186 100	82	5238-007 100	78	5431-401 913	109	6011-001 000	94
4124-215 102	303	4304-232 102	291	5132-187 100	82	5238-204 100	78	5431-604 912	248	6011-003 000	94
4124-234 102	291	4304-234 102	291	5151-154 100	86	5238-206 100	78	5441-604 912	248	6011-004 000	94
4124-464 102	304	4304-236 102	291	5151-156 100	86	5238-207 100	78	5495-560 051	189	6011-005 000	94
4124-512 102	298	4304-517 102	298	5151-157 100	86	5238-384 100	80	5495-560 052	189	6011-006 000	94
4124-521 102	290	4304-518 102	298	5152-154 100	86	5238-386 100	80	5495-560 054	189	6011-007 000	94
4125-386 102	292	4304-521 102	290	5152-156 100	86	5238-387 100	80	5495-560 080	189	6011-008 000	94
4125-441 102	295	4304-525 102	290	5152-157 100	86	5241-104 100	84	5495-560 082	189	6011-009 000	94
4125-466 102	296	4304-920 102	304	5162-507 361	136	5241-106 100	84	5501-604 913	250	6011-814 000	95
4125-514 102	299	4304-930 102	304	5162-507 361	158	5241-107 100	84	5501-604 914	250	6011-816 000	95
4125-611 102	301	4305-603 102	293	5211-104 100	85	5241-304 100	84	5511-604 913	250	6011-817 000	95
4126-021 102	311	4305-606 102	301	5211-106 100	85	5241-306 100	84	5521-604 913	250	6012-000 000	94
4126-032 102	310	4305-616 102	301	5211-107 100	85	5241-307 100	84	5521-604 914	250	6012-001 000	94
4126-033 102	310	4305-624 102	293	5211-109 100	85	5241-309 100	84	5541-204 100	125	6012-003 000	94
4126-037 102	310	4305-657 102	292	5211-304 100	85	5241-434 100	90	5541-206 100	125	6012-004 000	94
4126-041 102	311	4305-667 102	292	5211-306 100	85	5241-436 100	90	5541-207 100	125	6012-005 000	94
4126-042 102	312	4306-026 904	104	5211-307 100	85	5241-437 100	90	5541-220 100	208	6012-006 000	94
4126-064 102	312	4307-134 102	294	5211-309 100	85	5241-444 100	90	5541-306 100	126	6012-007 000	94
4127-135 102	294	4307-136 102	294	5212-104 100	85	5241-446 100	90	5541-307 100	126	6012-008 000	94
4153-510 102	297	4341-604 916	248	5212-106 100	85	5241-447 100	90	5542-204 100	125	6012-009 000	94
4153-515 102	297	4353-815 102	288	5212-107 100	85	5242-104 100	84	5542-206 100	125	6012-814 000	95
4154-010 102	302	4354-005 102	302	5212-109 100	85	5242-106 100	84	5542-207 100	125	6012-816 000	95
4154-110 102	300	4354-015 102	302	5212-304 100	85	5242-107 100	84	5542-220 100	208	6012-817 000	95
4154-185 102	289	4354-105 102	300	5212-306 100	85	5242-304 100	84	5542-306 100	126	6018-000 000	94
4154-517 102	298	4354-110 102	300	5212-307 100	85	5242-306 100	84	5542-307 100	126	6018-001 000	94
4155-611 102	301	4354-115 102	300	5212-309 100	85	5242-307 100	84	5652-613 142	113	6018-003 000	94
4183-460 102	295	4354-180 102	289	5218-104 100	85	5242-309 100	84	5652-613 162	113	6018-004 000	94
4183-510 102	297	4354-185 102	289	5218-106 100	85	5242-434 100	90	5702-509 938	188	6018-006 000	94
4183-515 102	297	4354-190 102	289	5218-304 100	85	5242-436 100	90	5725-314 010	129	6018-007 000	94
4183-810 102	288	4354-195 102	289	5218-306 100	85	5242-437 100	90	5791-604 914	250	6018-008 000	94
4184-010 102	302	4354-207 102	290	5231-004 100	78	5242-444 100	90	5831-184 100	82	6018-009 000	94
4184-110 102	300	4354-227 102	303	5231-006 100	78	5242-446 100	90	5831-186 100	82	6121-100 000	96
4184-185 102	289	4354-517 102	298	5231-007 100	78	5242-447 100	90	5831-187 100	82	6121-101 000	96
4184-208 102	290	4354-518 102	298	5231-009 100	78	5248-104 100	84	5831-189 100	82	6121-103 000	96
4184-512 102	298	4354-525 102	290	5231-164 100	83	5248-106 100	84	5832-184 100	82	6121-104 000	96
4184-517 102	298	4354-920 102	304	5231-166 100	83	5248-304 100	84	5832-186 100	82	6121-106 000	96

Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
6121-107 000	96	6721-604 916	250	7002-505 542	136	9748-036 305	235	9828-036 312	234	9902-515 062	185
6122-100 000	96	6722-333 000	95	7002-505 542	158	9748-036 306	235	9828-036 313	234	9902-515 063	185
6122-101 000	96	6722-335 000	95	7002-507 162	158	9748-036 307	235	9828-036 316	234	9902-515 064	185
6122-103 000	96	6722-336 000	95	7002-507 342	136	9748-036 308	235	9828-036 318	234	9902-515 065	185
6122-104 000	96	6722-337 000	95	7002-507 342	158	9748-036 312	235	9828-036 320	234	9902-515 069	185
6122-106 000	96	6761-604 916	250	7002-507 362	136	9748-036 320	236	9828-036 322	234	9902-515 079	185
6122-107 000	96	6771-604 916	250	7002-507 362	158	9802-026 560	174	9828-036 325	235	9902-515 080	185
6123-100 000	96	6790-073 000	100	7003-507 061	138	9802-026 561	174	9828-036 327	235	9902-515 081	185
6123-101 000	96	6790-074 000	100	7003-600 221	137	9802-026 562	174	9828-036 328	235	9902-515 082	185
6123-103 000	96	6790-075 000	100	7003-600 421	137	9802-026 563	174	9828-036 330	235	9902-522 142	179
6123-104 000	96	6790-076 000	100	7003-600 521	137	9802-026 581	174	9828-036 332	235	9902-522 162	179
6123-106 000	96	6790-077 000	100	7003-600 821	142	9802-026 582	174	9828-036 335	235	9902-522 163	179
6123-107 000	96	6811-604 916	250	7003-600 921	142	9802-026 583	174	9828-036 338	235	9902-522 342	179
6152-631 131	104	6821-604 916	250	7004-608 151	141	9802-921 873	108	9828-036 341	235	9902-522 362	179
6154-631 131	105	6841-604 916	250	7008-600 361	142	9802-921 875	108	9828-036 345	235	9902-522 363	179
6171-604 916	248	6900-040 100	209	7008-600 832	142	9803-630 151	166	9828-036 348	235	9902-532 142	179
6201-604 914	248	6900-041 100	209	7012-611 351	134	9803-630 171	166	9828-036 351	235	9902-532 162	179
6211-100 000	97	6900-055 100	128	7012-611 351	156	9803-630 351	166	9828-036 354	235	9902-532 163	179
6211-105 000	97	6900-056 100	128	7018-600 521	137	9803-630 371	166	9828-036 357	235	9902-532 342	179
6211-110 000	97	6900-057 100	128	7182-600 491	140	9808-036 512	234	9828-036 360	235	9902-532 362	179
6211-205 000	97	6900-780 100	34	7182-600 591	140	9808-036 513	234	9828-036 364	235	9902-543 142	180
6212-105 000	97	6900-840 100	26	7182-600 891	144	9808-036 514	234	9841-604 913	248	9902-543 162	180
6212-110 000	97	6900-841 100	26	7182-600 991	144	9808-036 515	234	9848-036 305	235	9902-543 362	180
6212-205 000	97	6900-842 100	26	7202-611 151	134	9808-036 516	234	9848-036 306	235	9902-543 542	180
6218-105 000	97	6900-843 100	26	7202-611 151	156	9808-036 517	234	9848-036 308	235	9902-543 562	180
6218-110 000	97	6900-850 100	28	7601-306 095	198	9808-036 519	234	9848-036 310	235	9902-543 563	180
6218-205 000	97	6900-851 100	29	7702-921 875	108	9808-036 520	234	9848-036 311	235	9902-544 142	179
6231-604 914	248	6900-852 100	28	7801-401 912	151	9808-036 521	234	9848-036 313	235	9902-544 162	179
6303-604 000	249	6900-853 100	29	7802-509 913	149	9808-036 522	234	9848-036 314	235	9902-544 163	179
6311-000 100	98	6900-855 100	34	7802-600 491	140	9808-036 523	234	9848-036 315	235	9902-544 193	179
6311-001 100	98	6900-856 100	34	7802-600 591	140	9808-036 524	234	9848-036 316	235	9902-544 341	179
6311-003 100	98	6900-861 100	35	7802-600 891	144	9808-036 525	235	9848-036 317	235	9902-544 342	179
6311-009 100	98	6900-870 100	28	7802-600 991	144	9808-036 526	235	9848-036 318	236	9902-544 361	179
6311-010 100	98	6900-871 100	28	7811-401 912	151	9808-036 527	235	9848-036 319	236	9902-544 362	179
6311-011 100	98	6900-872 100	29	7812-509 913	149	9808-036 528	235	9848-036 321	236	9902-544 441	179
6311-012 100	98	6900-873 100	29	7902-600 000	211	9808-036 529	235	9848-036 322	236	9902-544 461	179
6311-014 100	98	6900-874 100	34	7902-613 196	119	9808-036 530	235	9848-036 323	236	9902-544 491	179
6311-016 100	98	6900-875 100	34	7903-600 004	215	9808-036 532	235	9848-036 324	236	9902-553 162	180
6311-019 100	98	6900-876 100	35	7912-600 000	216	9808-036 535	235	9848-036 325	236	9902-554 142	179
6311-022 100	98	6900-877 100	35	7922-600 000	216	9808-036 538	235	9848-036 326	236	9902-554 162	179
6400-001 100	48	6900-932 100	34	7922-613 196	119	9808-036 540	235	9848-036 327	236	9902-554 163	179
6400-001 100	71	6900-935 100	28	7932-613 196	119	9808-036 541	235	9848-036 328	236	9902-554 192	179
6400-002 100	48	6900-936 100	38	7942-613 196	119	9808-036 545	235	9848-036 329	236	9902-554 341	179
6400-002 100	71	6900-937 100	37	8001-901 924	244	9808-036 548	235	9848-036 330	236	9902-554 361	179
6401-604 912	250	6900-941 100	34	8001-901 926	244	9808-036 550	235	9848-036 332	236	9902-554 362	179
6402-608 914	118	6900-942 100	32	8001-902 924	244	9808-036 551	235	9848-036 335	236	9902-554 441	179
6405-000 100	48	6900-943 100	32	8001-902 926	244	9808-036 554	235	9848-036 338	236	9902-554 461	179
6405-006 100	48	6900-945 100	28	8103-800 224	224	9808-036 557	235	9848-036 340	236	9902-565 142	180
6406-000 100	71	6900-946 100	38	8203-010 100	186	9808-036 560	235	9848-036 341	236	9902-565 162	180
6406-001 100	48	6900-947 100	37	8203-010 100	220	9818-036 308	234	9848-036 345	236	9902-565 163	180
6406-500 100	48	6900-955 100	55	8203-310 100	187	9818-036 309	234	9848-036 348	236	9902-565 362	180
6407-600 100	71	6900-965 100	55	8203-310 100	221	9818-036 310	234	9848-036 350	236	9902-565 542	180
6407-622 100	48	6900-975 100	29	8203-410 100	187	9818-036 311	234	9848-036 351	236	9902-565 562	180
6407-634 100	48	6900-985 100	29	8203-410 100	220	9818-036 312	234	9848-036 354	236	9902-566 142	179
6407-637 100	48	6900-987 100	27	8401-401 913	252	9818-036 313	234	9848-036 357	236	9902-566 162	179
6412-608 914	118	6900-988 100	27	8411-604 918	248	9818-036 316	234	9848-036 360	236	9902-566 163	179
6501-604 912	250	6901-030 100	28	8602-600 003	223	9818-036 318	234	9901-604914	248	9902-566 192	179
6511-604 919	248	6901-031 100	29	8603-600 004	218	9818-036 320	234	9902-511 162	179	9902-566 193	179
6561-500 000	99	6901-032 100	28	8603-600 006	213	9818-036 322	234	9902-511 362	179	9902-566 341	179
6561-520 000	99	6901-033 100	29	8603-600 010	217	9818-036 325	235	9902-515 001	185	9902-566 342	179
6561-700 000	99	6901-050 100	33	8612-600 003	223	9818-036 327	235	9902-515 002	185	9902-566 361	179
6561-710 000	99	6901-052 100	33	8771-604919	248	9818-036 328	235	9902-515 003	185	9902-566 362	179
6561-720 000	99	6901-075 100	31	8802-753 478	186	9818-036 330	235	9902-515 004	185	9902-566 363	179
6562-000 000	99	6901-076 100	36	8812-607 914	118	9818-036 332	235	9902-515 025	185	9902-566 441	179
6562-010 000	99	6901-085 100	31	9301-614 916	119	9818-036 335	235	9902-515 026	185	9902-566 461	179
6562-020 000	99	6901-086 100	36	9311-614 916	119	9818-036 338	235	9902-515 027	185	9902-566 491	179
6601-604 912	250	6903-050 100	31	9321-614 916	119	9818-036 341	235	9902-515 028	185	9902-575 142	180
6621-604 916	250	6903-051 100	31	9331-614 916	119	9818-036 345	235	9902-515 040	185	9902-575 162	180
6641-604 916	250	6912-613 561	131	9502-626 251	104	9818-036 348	235	9902-515 041	185	9902-575 163	180
6651-604 916	250	6912-613 891	131	9502-626 301	104	9818-036 351	235	9902-515 042	185	9902-575 342	180
6700-001 100	127	6912-622 891	132	9502-626 311	104	9818-036 354	235	9902-515 043	185	9902-576 142	179
6700-002 100	127	6991-604916	250	9502-626 501	104	9818-036 357	235	9902-515 050	185	9902-576 162	179
6700-003 100	127	7002-504 162	136	9502-626 651	104	9818-036 360	235	9902-515 051	185	9902-576 163	179
6700-006 000	160	7002-504 162	158	9502-664 651	104	9818-036 364	235	9902-515 052	185	9902-576 193	179
6700-007 000	160	7002-504 362	136	9504-626 251	105	9828-036 308	234	9902-515 053	185	9902-576 342	179
6700-008 100	170	7002-504 362	158	9602-075 004	249	9828-036 309	234	9902-515 056	185	9902-576 343	179
6700-012 100	128	7002-505 162	136	9706-026 904	107	9828-036 310	234	9902-515 057	185	9902-576 362	179
6701-604 912	248	7002-505 162	158	9711-104 925	200	9828-036 311	234	9902-515 058	185	9902-576 363	179



Part number Index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
9902-576 464	179	9906-015 025	183	9906-030 302	165	9907-035 042	226	9907-036 139	227	L779-000 462	210
9902-586 142	180	9906-015 026	183	9906-030 304	165	9907-035 051	226	9907-036 147	227	L779-000 466	210
9902-586 162	180	9906-015 027	183	9906-030 305	165	9907-035 052	226	9907-036 151	227	L779-001 385	210
9902-586 163	180	9906-015 028	183	9906-030 308	165	9907-035 061	226	9907-036 155	227	L779-005 333	210
9902-586 342	180	9906-015 035	183	9906-030 310	165	9907-035 062	226	9907-036 156	227	L779-007 013	210
9902-586 343	180	9906-015 036	183	9906-030 311	165	9907-035 081	226	9907-036 163	227	L779-009 510	210
9902-587 142	179	9906-015 037	183	9906-030 312	165	9907-035 082	226	9907-036 164	227	L779-132 001	210
9902-587 162	179	9906-015 038	183	9906-030 314	165	9907-035 086	226	9907-036 172	227	L779-191 001	210
9902-587 163	179	9906-015 040	183	9906-030 316	165	9907-035 087	226	9907-036 179	227	L779-840 010	210
9902-587 192	179	9906-015 041	183	9906-030 317	165	9907-035 092	226	9907-036 187	227	L779-840 130	210
9902-587 193	179	9906-015 042	183	9906-030 318	165	9907-035 096	226	9907-036 188	227	L779-920 160	210
9902-587 342	179	9906-015 043	183	9906-030 326	165	9907-035 097	226	9907-036 204	227	L779-930 401	210
9902-587 343	179	9906-015 050	183	9906-030 328	165	9907-035 107	226	9907-036 308	237	L911-000 436	212
9902-587 362	179	9906-015 051	183	9906-030 329	165	9907-035 117	226	9907-036 310	237	L914-000 436	212
9902-587 363	179	9906-015 052	183	9906-030 332	165	9907-035 127	226	9907-036 312	237	L940-030 842	212
9906-011 146	159	9906-015 053	183	9906-030 334	165	9907-035 137	226	9907-036 314	237	L960-030 577	214
9906-011 147	159	9906-015 056	183	9906-030 335	165	9907-035 197	226	9907-036 316	237	L961-100 012	214
9906-011 148	159	9906-015 057	183	9906-030 338	165	9907-035 205	226	9907-036 486	237	L961-100 076	214
9906-011 149	159	9906-015 058	183	9906-030 340	165	9907-035 213	226	9908-608 132	111	MZ 31 06 81	271
9906-011 150	159	9906-015 059	183	9906-030 341	165	9907-035 221	226	9908-608 152	111	MZ 31 08 60	271
9906-011 151	159	9906-015 062	183	9906-030 488	170	9907-036 012	227	9928-036 305	234	MZ 31 10 48	271
9906-011 153	159	9906-015 063	183	9906-030 489	170	9907-036 017	227	9928-036 307	234	MZ 45 08 88	271
9906-011 154	159	9906-015 064	183	9906-030 490	170	9907-036 022	227	9946-015 056	183	MZ 45 12 59	271
9906-011 155	159	9906-015 065	183	9906-030 492	170	9907-036 023	227	9946-015 057	183	MZ 45 16 44	271
9906-011 446	159	9906-015 069	183	9906-030 493	170	9907-036 027	227	9946-015 058	183	MZ 57 10 89	271
9906-011 447	159	9906-015 070	183	9906-030 494	170	9907-036 032	227	9946-015 059	183	MZ 57 15 60	271
9906-011 448	159	9906-015 071	183	9906-030 496	170	9907-036 033	227	9962-515 056	185	MZ 57 18 50	271
9906-011 449	159	9906-015 079	183	9906-030 497	170	9907-036 037	227	9962-515 057	185	MZ 65 12 85	271
9906-011 450	159	9906-015 080	183	9906-030 498	170	9907-036 042	227	9962-515 058	185	MZ 65 17 60	271
9906-011 451	159	9906-015 081	183	9906-030 500	170	9907-036 043	227	9962-515 059	185	MZ 65 20 50	271
9906-011 453	159	9906-015 082	183	9906-030 501	170	9907-036 047	227	9962-515 062	185	MZ 86 12 112	271
9906-011 454	159	9906-021 059	177	9906-030 502	170	9907-036 052	227	9962-515 063	185	MZ 86 20 67	271
9906-011 455	159	9906-021 183	177	9906-033 030	112	9907-036 053	227	9962-515 064	185	MZ 86 30 45	271
9906-013 008	177	9906-021 184	177	9906-033 031	112	9907-036 057	227	9962-515 065	185	MZ 100 14 112	271
9906-013 009	177	9906-022 081	177	9906-033 125	112	9907-036 062	227	9966-015 063	183	MZ 100 18 87	271
9906-013 021	177	9906-022 082	177	9906-033 126	112	9907-036 063	227	9966-015 064	183	MZ 100 22 71	271
9906-013 057	177	9906-022 085	177	9907-035 021	226	9907-036 067	227	9966-015 065	183	MZ 125 18 110	271
9906-015 001	183	9906-026 051	107	9907-035 023	226	9907-036 072	227	L669-002 101	207	MZ 125 24 82	271
9906-015 002	183	9906-026 117	107	9907-035 031	226	9907-036 073	227	L669-002 102	206	MZ 125 28 70	271
9906-015 003	183	9906-026 500	107	9907-035 032	226	9907-036 082	227	L779-000 175	210		
9906-015 004	183	9906-026 501	107	9907-035 041	226	9907-036 093	227	L779-000 433	210		

Index of Dronco product names

Part name	Page	Part name	Page	Part name	Page
4-M adapters for tortoise-shape bores	189	CERA MAXX X-LOCK	92	Polimaxx 3 – fine	125
5-part polishing kit for stainless steel finishing	209	CERA PLUS	90	Polimaxx 4 – gloss	208
A4	303	Clamping fixtures for ATB® disc brushes	249	Polimaxx kit in display box	128
A4 Asphalt	304	Coarse cleaning fleece for angle grinders	127	Polishing compounds	211
A4 M	304	Coarse cleaning fleece kit in display box	128	Polishing kit, 6 pc	213
A 24 R	40	Coarse cleaning fleeces for angled and straight grinders	160	Polishing kit, 6 pc	217
A 30 S	49	Cotton cloth medium soft folded buffs	222	Polishing kit, 10 pc	217
A 30 T	63	Cotton cloth soft folded buffs	222	Polishing kit for brass, plastic and lacquer	216
A 46 R	33	CS 24 R	57	Polishing kit for (stainless) steel and aluminium	216
A 60 R	27	CS 30 ASPHALT / DUKTIL	58	Polishing kit for stationary machines, 3 pc	223
Acrylic polish	207	CS 30 S	72	Polispeed	126
Acrylic polishing kit	207	CS 46 ALU	46	PunCHED Disc Brushes	264
ACS 60 T MULTI / ACS 46 T MULTI	32	CS 60 ALU	46	PunCHED Lath Brushes	266
AK 24 V CeraMaxx	68	Cutter head holders/combined cutter arbor	252	PunCHED Wheel- and Roller Brushes	267
AK 36 T CeraMaxx	67	DB 4 – all purpose	290	Radiator paint brush, plastic handle	203
ALOX GRIND+FINISH	79	DISPLAY XTREME AS 60 X INOX	31	Ribbed backing pad	97
ALOX POWER	78	Drive arbor, type I	154	Roller brushes for deburring machines, crimped wire	186
AS 24/30 T	64	DST BLUE Speed	312	RUFTUF® End brushes, Xtreme wire, knotted	166
AS 24 R BAHN	47	DST Boomerang	311	S3 turbo	295
AS 24 S CAST IRON	69	DST Plus	310	S5 turbo	295
AS 30 R	64	DST Power	310	S5 turbo protect	296
AS 30 S	41	DST Speed	312	Scrub brushes, wooden body	202
AS 30 S	49	DST Turbo	311	SIC POWER	92
AS 30 S HT	43	Duster, wooden body	202	SIC – semi-flexible	96
AS 30 S INOX	39	Economy roll, brown	100	Sisal/cloth and notiflex folded buffs	212
AS 30 S INOX	65	F3	297	Sisal/cloth folded buffs	222
AS 30 T	42	F4 cera	298	SITUFT®, crimped Osborn wire	226
AS 30 T INOX	39	F5 cera speed	299	Spark plug brushes, plastic body	196
AS 30 T INOX	65	F-adapter	129	Spark plug brushes, wooden body	196
AS 30 V	44	F-Adapter	189	Sponge and cloth	206
AS 36 S INOX	50	FIBER A	94	Stove pipe cleaner, crimped wire	240
AS 36 T	50	FIBER AK	95	Strip brushes with horse hair filament	276
AS 36 V	45	FIBER AZ	95	Strip brushes with nylon filament	275
AS 46 ALU	70	File brushes, wooden body	198	Tapered shank	224
AS 46 T / AS 30 T INOX CUT+GRIND	38	Fillet weld brushes, wooden body	195	Tensioning shaft for cleaning fleece	170
AS 46 T INOX	34	Fine scratch brushes, wooden body	196	Tensioning shaft for mini cutting discs	48
AS 46 T Mini	48	Fitting brushes, steel wire	197	Tensioning shaft for mini grinding discs	71
AS 46 T MINI	71	Fitting brushes, steel wire	240	TE Wheel brushes, Xtreme wire, crimped	182
AS 46 V INOX	35	Flap wheel brushes, abrasive/natural filament	151	The ingenious cutting and grinding disc combo	38
AS 46 X INOX	36	Flap wheel brushes, crimped wire	150	The safe anti-kick-back disc	37
AS 60 T / AS 46 T INOX FreeCut	37	Flap wheels	160	Thread reduction from M14 to M10 x 1.5, galvanised	129
AS 60 T INOX - "New Formula"	28	Flat paint brush, plastic handle	203	Tool holders	249
AS 60 V INOX	29	For reducing bores	129	Tube brushes, abrasive filament	232
AS 60 W INOX	26	G4	302	Tube brushes, double spiral, straight wire	230
AS 60 X INOX	31	Grinding cup, metal	98	Tube brushes, nylon-diamond	233
ATB® brushes with maximum fill density, compatible with clamping fixture	248	Grinding cup, stone	98	Tube brushes, single spiral, crimped wire	228
ATB® brushes with maximum fill density, for shell mill mount	250	Grinding discs for bench grinders	99	Tube brushes, single spiral, straight wire	229
ATB® brushes with maximum fill density, for tool holders	248	Hand brushes, plastic body	192	Tungsten carbide burrs set, Z6 cut	259
ATB® brushes with maximum fill density, Turbo-line	251	Hand brushes, plastic handle	192	Tungsten carbide burrs, Z6 cut	254
ATB® round brush with full trim	252	Hand brushes, wooden body	194	U3	288
Axis discs	189	Handle holder, metal	204	U4	289
AZ 30 S INOX	66	HELITUF®, crimped Osborn wire	227	U4 protect	291
AZ 30 T INOX	66	Hole cleaning brushes, crimped wire	197	U4 speed	290
B4	300	Hole cleaning brushes, crimped wire	238	U5 protect	293
B5	301	Honing tool Novoflex-B®, abrasive filament	234	U5 speed	292
Backing pads	97	Interchangeable metal adapters	224	U7 speed	294
Band saw brush	176	Interchangeable metal adapters	190	UNI-Master® wheel brushes, abrasive filament	183
Bevel brushes, Abrasive Filament	132	Joint brushes, knotted wire	174	UNI-Master® Wheel brushes, Xtreme wire, crimped	184
Bevel brushes, crimped wire	122	Kit of 5 DIY brushes, abrasive filament	153	Weeding brush, wooden body	199
Bevel brushes, crimped wire	123	Kit of 5 DIY brushes, crimped wire	152	Wire handle	241
Bevel brushes, knotted wire	120	Lipprite® 3-pc. satinising kit for metal	215	Workshop broom, wooden body	200
Bevel brushes, knotted wire	121	Lipprite® folded buffs	214	Xtreme cup brushes, stranded crimped wire	116
Bevel brushes, Xtreme Wire, crimped	123	Lipprite® satinising kit, 4 pc	218	ZIRCON FLX	87
BKT abrasive stones	308	M10 adapter, thread adapter	129	ZIRCON JUMBO	83
BKT concrete	308	Metal polish	206	ZIRCON MAXX	88
Block brushes, wooden body	198	Metal polishing kit	206	ZIRCON MAXX X-LOCK	89
Block brushes, wooden body	199	Micro-abrasive tube brushes, abrasive filament	231	ZIRCON PLUS	84
Brake calliper brushes, plastic body	193	Micro-abrasive tube brushes, abrasive filament	231	ZIRCON POWER	80
Broomate®	276	Multizack	268	ZIRCON POWER X-LOCK... 81	81
Broom handle, wood	204	Non-woven abrasive flap wheels	163	ZIRCON PRIME G-AZ	85
C 24 R	56	Non-woven abrasive flap wheels	219	ZIRCON SPEED	86
C 46 R	55	Non-woven (satin) finishing rollers	187	ZIRCON TRIM	82
C 60 R	55	Non-woven (satin) finishing rollers	221	ZIRCON TRIM X-LOCK	82
CeraDrill for drilling machines	306	Novoflex-H®, Novofil®-WF Filament	237		
CeraDrill set for drilling machines	307	Novotec diamond wheel brushes	244		
CERA MAXX	91	Nozzle cleaning brushes, wire/nylon	239		
		Polimaxx 1 – coarse	125		
		Polimaxx 2 – medium	125		





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