DRONCO®
an osborn Brand

osborn
Finish. First.

CUTTING GRINDING SANDING CLEANING POLISHING FINISHING

# DRONCO AND OSBORN
# PROGRAMME 2019

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General

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

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

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# OSBORN WORLDWIDE

CUTTING GRINDING SANDING CLEANING POLISHING FINISHING

# 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. Osborn and Dronco are members of oSa e.V. (organisation for the safety of grinding tools).

Together, Osborn and Dronco supply to customers in over 120 countries, have production facilities and sales organisations in 13 countries, and employ a workforce of around 2,000 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

Together, Osborn and Dronco have more than 180 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 advise 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.

Test robot in Burgwald/Germany

## ALWAYS ONE STEP AHEAD
## RESEARCH AND DEVELOPMENT

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

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

The same also applies for optimising our 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

# LOGISTICS - ALWAYS DELIVERED QUICKLY

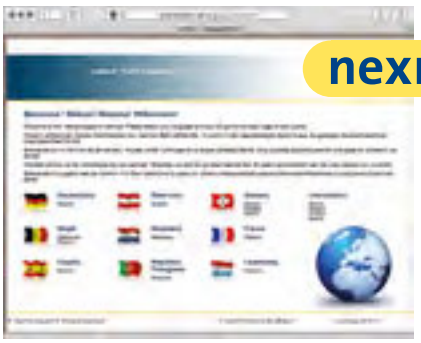
For us to be able to deliver orders quickly anywhere in the world, we have two advanced logistics warehouses with the corresponding infrastructure, and automated warehousing.

## 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

Osborn and Dronco have 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

## PROFESSIONALS ARE SETTING THE STANDARD — ALSO IN THE PRESENTATION AT POINTS OF SALE

### ◂ PRODUCT DISPLAYS

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

## PRODUCT AND PACKAGING DESIGN

Our positioning on the market is visually distinct and deliberated. 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

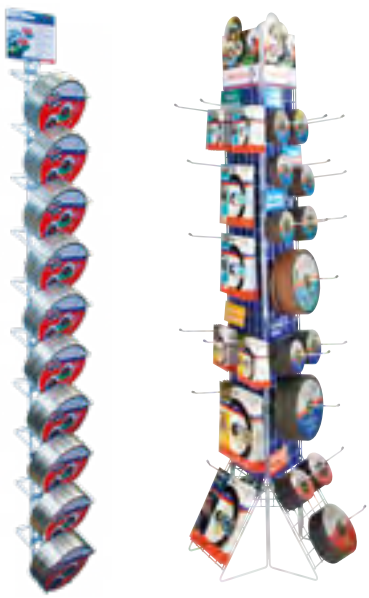
Our products in the range have attractive box or PET packaging with easy to understand application instructions and product information.

### 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.



### ◂ 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.

### SALES DISPLAYS

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

# 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.

### DRONCO DISC CUSTOMERS

Information on Dronco discs is on the initial pages of every section.

### 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. Talk to us!

+

Dronco has for years been 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.

+

YouTube

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

**DRONCO ON DRONCO TV**
www.youtube.com/user/droncotv

# 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.com/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).

More information is available from:
www.osborn.com/sustainability

## TÜV-SÜD QUALITY SEAL

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

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

## MEMBERSHIPS

It is of fundamental interest to us that grinding and brushing tools are safe and are used as intended. As a manufacturer of quality tools, we are therefore a member of the international oSa e.V. (organisation for the safety of grinding tools). 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 work-piece. 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 expe-dites 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.

## TECHNICAL INFORMATION FOR BRUSHES

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:**

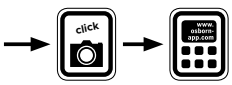
- The speed of the drive shaft of your machine must not exceed the maximum safety speed of the brush.
- The length of the drive shaft must fit firmly in the chuck.
- Brushes with clamp shaft can easily be fitted into standard drill chucks or collet chucks.
- The connecting threads of brushes have spanner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

Brush diameters (in mm)

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

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

**This way for information***




**www.osborn.com/safety**

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

# 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 | ■ Sturdy<br>■ Diversity of applications | Steel, cast iron, softwood, hardwood |
| | Crimped | | | |
| | Knotted | | | Steel, cast steel |
| Stainless steel wire | Straight | Standard alloys: 1.4310 and 1.4401 (1.4571 on request) | ■ Usage in particular where residues of steel wires would adversely affect the surface (such as rust spots) | Stainless steel, non-ferrous metals, aluminium |
| | Crimped | | | |
| | Knotted | | | |
| Osborn special steel wire | Straight | | ■ High-performance wire with high tensile strength<br>■ Long service life<br>■ For extreme brush applications | Steel, cast iron, softwood, hardwood |
| | Crimped | | | |
| | Knotted | | | |
| Longlife (steel wire) | Stranded | | ■ Extremely long life<br>■ Combines the benefits of crimped and knotted wire | Steel, cast iron, softwood, hardwood |
| Brass-coated steel wire | Mono wire | | ■ High tensile strength | Steel, cast iron, softwood, hardwood |
| | Cordwire | Stranded | ■ Particularly well suited to texturing wood | |
| Brass wire | Crimped | | | Non-ferrous metals, softwood |
| Synthetic bristles | Straight | | ■ Abrasion-resistant<br>■ Resistant to weak acids and bases<br>■ Flexible | Steel, cast iron, stainless steel, non-ferrous metals, aluminium |
| Abrasive bristle | Aluminium oxide | Nylon threads with aluminium oxide; red trim material | ■ High elasticity without risk of breakage<br>■ Uniform abrasive effect | Steel, cast iron, stainless steel, non-ferrous metals, aluminium, wood |
| | Silicone carbide | Nylon threads with silicone carbide; blue trim material. | ■ High elasticity without risk of breakage<br>■ Uniform abrasive effect | |
| | Ceramic, sintered twice | Aluminium oxide sintered twice; available in different hardness grades, light grey trim material | ■ Particularly hard and aggressive abrasive grit<br>■ The abrasive grit released during brushing has a better breaking edge and makes possible faster, more efficient deburring<br>■ Perfect results through uniform, homogeneous abrasive effect | Steel, cast iron, stainless steel, non-ferrous metals, aluminium |

## TECHNICAL INFORMATION FOR BRUSHES

**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. | ■ High flexibility and trim density, prolonged life<br>■ For working with workpieces particular high in contours | Steel, cast iron, stainless steel, non-ferrous metals, aluminium |
| | Flat | | ■ Very high abrasive grit content, higher removal rate (approx. 50% lower processing time)<br>■ Ideal for honing | |
| Novoflex-B® | Spherical | Trim material with aluminium oxide or silicone carbide; grit sizes from 60 to 400 possible | ■ Abrasive balls on flexible design<br>■ Tool is self-centring | Steel, cast iron, stainless steel, non-ferrous metals, aluminium |
| Fibre | | Pure plant fibre | ■ For wet and dry application<br>■ Heat-resistant<br>■ Also suitable for polishing in conjunction with polishing compound | All materials |
| Horse hair | | Pure horse hair | ■ Excellent sealing properties | |

### MATERIALS, TRIM MATERIALS, AND HOW THEY ARE SHOWN IN THE CATALOGUE

Material to treat / colour used in the catalogue

| Trim material | Steel | Cast iron | Stainless steel | Non-ferrous metals | Aluminium | Softwood | Hardwood |
|---|---|---|---|---|---|---|---|
| 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 134

**BOSCH X-LOCK - To change cutting discs without tools**
More information on Page 24

**PROTECT -**
**Vibration and noise appreciably reduced**
More information on Page 262

**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** ★★★★★
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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FREE HAND CUTTING DISCS FOR STEEL 40

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FREE HAND CUTTING DISCS FOR RAIL SECTIONS 47

MINI CUTTING DISCS 48

DISCS FOR STATIONARY CUTTING MACHINES / CHOP SAW DISCS 49

# IMPORTANT INFO AT A GLANCE

The product labels for the Evolution Line have been updated. They now feature a fresh, clean design with clear user information, internationally recognised pictograms and more explicit labelling of the quality line. The labels for the Superior and Perfect quality lines will be transitioned over to the new design in the course of 2019.

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

**Colour indicates quality line**
Gold – Evolution
Silver – Superior and Perfect

**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.

**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

**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

GENERAL INFORMATION

# 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

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 by its label with five stars.

## ★★★★☆ SUPERIOR / SPECIAL

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.

# 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

●● very suitable
● suitable
◒ limited suitability

| | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FREE HAND CUTTING DISCS FOR STAINLESS STEEL/STEEL** | | | | | | | | | | | | | |
| AS 60 W EVOLUTION 0.8 | 26 | ● | ● | ● | ● | ●● | ●● | | ◒ | ● | ● | ● | |
| A 60 R PERFECT 1.0 | 27 | ●● | ● | ● | ● | ● | ● | | ◒ | ◒ | ◒ | ◒ | |
| AS 60 T INOX SPECIAL 1.0 | 28 | ● | ● | ● | ●● | ●● | ●● | | ◒ | ●● | ●● | ●● | |
| AS 60 V EVOLUTION 1.0 | 29 | ●● | ●● | ●● | ●● | ●● | ●● | | ● | ● | ● | ● | |
| AS 60 W HT EVOLUTION JUBILEE 1.0 | 30 | ●● | ●● | ●● | ●● | ●● | ●● | | ● | ● | ● | ● | |
| A 46 R PERFECT 1.6 | 33 | ●● | ● | ● | ● | ● | ● | | ◒ | ◒ | ◒ | ◒ | |
| AS 46 T INOX SPECIAL 1.6 | 33 | ● | ● | ● | ●● | ●● | ●● | | ◒ | ◒ | ◒ | ◒ | |
| AS 46 V EVOLUTION 1.6 | 34 | ●● | ●● | ●● | ●● | ●● | ●● | | ● | ● | ● | ● | |
| AK 60 V EVOLUTION CERAMAXX | 31 | ●● | ●● | ●● | ●● | ●● | ●● | | ●● | ● | ● | ● | |
| AK 46 V EVOLUTION CERAMAXX | 35 | ●● | ●● | ●● | ●● | ●● | ●● | | ●● | ● | ● | ● | |
| ACS 46 / ACS 60 T MULTI | 32 | ● | ● | ◒ | ● | ●● | ●● | | ●● | ●● | ●● | ●● | ●● |
| AS 46 / AS 60 T INOX FREECUT | 36 | ● | ● | ● | ●● | ●● | ●● | | ● | ● | ● | ● | |
| AS 46 / AS 30 T INOX CUT+GRIND | 37 | ● | ● | ● | ●● | ● | ●● | | ●● | ◒ | ◒ | ◒ | |
| AS 30 S INOX SPECIAL, 2.5 | 38 | ● | ● | ● | ●● | ● | ●● | ● | ●● | ● | ● | ● | |
| AS 30 T INOX SPECIAL, 2.2 | 39 | ● | ● | ● | ●● | ● | ●● | ● | ●● | ● | ● | ● | |
| **FREE HAND CUTTING DISCS FOR STEEL** | | | | | | | | | | | | | |
| A 24 R PERFECT 3.0 | 40 | ●● | ● | ● | ◒ | ● | ◒ | | ● | ● | ● | ● | |
| AS 30 S SPECIAL, 3.0 | 41 | ●● | ●● | ●● | ◒ | ● | ◒ | | ●● | ● | ● | ● | |
| AS 30 T SPECIAL, 2.0 | 42 | ●● | ●● | ●● | ◒ | ●● | ◒ | | ● | ● | ● | ● | |
| AS 30 S HT EVOLUTION, 3.0 | 43 | ●● | ●● | ●● | ◒ | ● | ◒ | | ● | ● | ●● | ● | |
| AS 30 V EVOLUTION 3.0 | 44 | ●● | ●● | ●● | ◒ | ●● | ◒ | | ● | ● | ● | ● | |
| AS 36 V EVOLUTION 2.2 | 45 | ●● | ●● | ●● | ◒ | ●● | ◒ | | ● | ● | ● | ● | |
| **FREE HAND CUTTING DISCS FOR ALUMINIUM** | | | | | | | | | | | | | |
| CS 60 ALU SPECIAL, 1.2 | 46 | | | | | | | | | ●● | ●● | ●● | |
| CS 46 ALU SPECIAL, 1.6 | 46 | | | | | | | | | ●● | ●● | ●● | |
| **FREE HAND CUTTING DISCS FOR RAIL SECTIONS** | | | | | | | | | | | | | |
| AS 24 R BAHN SPECIAL | 47 | ● | ● | ● | ◒ | ◒ | ◒ | ●● | ◒ | ◒ | ◒ | ◒ | |
| **MINI CUTTING DISCS** | | | | | | | | | | | | | |
| AS 46 T MINI SPECIAL | 48 | ● | ● | ● | ◒ | ●● | ◒ | | ◒ | ◒ | ◒ | ◒ | |
| **DISCS FOR STATIONARY CUTTING MACHINES / CHOP SAW DISCS** | | | | | | | | | | | | | |
| A 30 S PERFECT | 49 | ● | ● | ● | ◒ | ● | ◒ | | ● | ● | ● | ● | |
| AS 30 S SPECIAL | 49 | ●● | ●● | ●● | ◒ | ● | ◒ | | ●● | ● | ● | ● | |
| AS 36 T SPECIAL / CHOP SAW | 50 | ●● | ●● | ● | ◒ | ● | ◒ | | ● | ● | ● | ● | |
| AS 36 S INOX SPECIAL / CHOP SAW | 50 | ● | ●● | ●● | ● | ● | ●● | | ●● | ● | ● | ● | |

## 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 to burr-free cutting with limited sparking

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).

**0.8 mm** Extra fine, ultra fast

Iron- and sulphur-free

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 0.8 x 22.23 | 4 1/2 x 0.030 x 7/8 | 13280 | 25 | | **1111 000 100** | 110302 |
| 125 x 0.8 x 22.23 | 5 x 0.030 x 7/8 | 12200 | 25 | | **1121 000 100** | 120301 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 0.8 x 22.23 | 4 1/2 x 0.030 x 7/8 | 13280 | 1 tin of 25 discs | | **6900 842 100** | 701630 |
| 125 x 0.8 x 22.23 | 5 x 0.030 x 7/8 | 12200 | 1 tin of 25 discs | | **6900 843 100** | 701647 |
| 115 x 0.8 x 22.23 | 4 1/2 x 0.030 x 7/8 | 13280 | 1 tin of 10 discs | | **6900 840 100** | 701616 |
| 125 x 0.8 x 22.23 | 5 x 0.030 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 841 100** | 701623 |

# METAL CUTTING DISCS

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, 1.0 MM

1 mm Thin, precise, fast

Iron- and sulphur-free

### 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

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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.0 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | ▬▬ | **1110 240 100** | 110012 |
| 125 x 1.0 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | ▬▬ | **1120 240 100** | 120011 |
| **Power Pack tin** | | | | | | |
| 115 x 1.0 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | ▬▬ | **6900 987 100** | 7013194 |
| 125 x 1.0 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | ▬▬ | **6900 988 100** | 701326 |

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, 1.0 MM

HIGH SPEED · INOX

**1 mm** Thin, precise, fast

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

Iron- and sulphur-free

# AS 60 T INOX

**SUPERIOR ★★★★☆**

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

- 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

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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | — | **1111 240 100** | 111026 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | — | **1121 240 100** | 121025 |
| **Power Pack tin** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | — | **6900 935 100** | 701050 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | — | **6900 945 100** | 701067 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | — | **6900 850 100** | 701203 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | — | **6900 852 100** | 701227 |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 25 discs | — | **6900 870 100** | 701401 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 25 discs | — | **6900 871 100** | 701418 |
| **Bosch quick-mount X-LOCK** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | — | **1911 240 100** | 111088 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | — | **1921 240 100** | 120646 |

# METAL CUTTING DISCS

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, 1.0 MM

HIGH SPEED · LONG LIFE · INOX

1 mm — Thin, precise, fast, durable

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

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

Iron- and sulphur-free

### 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

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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | — | **1111 246 100** | 111125 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | — | **1121 246 100** | 121179 |
| **Power Pack tin** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | — | **6900 975 100** | 704877 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | — | **6900 985 100** | 704884 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | — | **6900 851 100** | 701210 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | — | **6900 853 100** | 701234 |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 25 discs | — | **6900 872 100** | 701425 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 25 discs | — | **6900 873 100** | 701432 |
| **Bosch quick-mount X-LOCK** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | — | **1911 246 100** | 111101 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | — | **1921 246 100** | 120653 |

**1 mm** Thin, precise, fast, durable

Iron- and sulphur-free

## AS 60 W HT INOX – JUBILEE

### EVOLUTION ★★★★★

The special bond of the AS 60 W HT Evolution Jubilee was developed with the goal of achieving a particularly cool cut. When paired with the latest ceramic-coated abrasive grain, the result was a new top-class tool. This high-performance cutting disc with a significantly enhanced service life represents the state of the art within the premium product range at DRONCO:

- Excellent service life
- Outstanding cutting speed
- Cooler, even faster cutting
- Minimal physical effort required
- Low-burr to burr-free edges

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).

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 25 | | **1111 247 100** | 111644 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 25 | | **1121 247 100** | 121780 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 10 discs | | **6900 864 100** | 701869 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 865 100** | 701876 |
| 115 x 1 x 22.23 | 4 1/2 x 1/25 x 7/8 | 13280 | 1 tin of 25 discs | | **6900 845 100** | 701678 |
| 125 x 1 x 22.23 | 5 x 1/25 x 7/8 | 12200 | 1 tin of 25 discs | | **6900 846 100** | 701685 |

# METAL CUTTING DISCS

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, 1.2 MM

HIGH SPEED · LONG LIFE · INOX

**1.2 mm** Ultra fast, ultra service life

ceramic INSIDE 2.0 — Self-sharpening ceramic abrasive grain of the latest generation for ultimate performance

Iron- and sulphur-free

## AK 60 V CERAMAXX
### EVOLUTION ★★★★★

This thin CeraMaxx cutting disc offers ultra-fast yet very comfortable cutting performance. The self-sharpening ceramic grain cuts through metal almost on its own, reducing the effort required enormously. Full cutting performance can be achieved even with minimal contact pressure. A clean, low-burr cut without blue discolouration reduces reworking. The enormous service life saves set-up time and labour costs while enhancing users' productivity and efficiency enormously.

Ideal target groups for these high-performance products include users working in pipeline construction, shipyards, metal construction, foundries, commercial vehicle production, steel construction, plant engineering, crane construction and the manufacturing of building machines.

- Outstanding cutting speed = high productivity
- Ultra-long service life = reduced disc consumption
- Clean, low-burr cut = less reworking
- Minimal effort = protects people and machines
- Cool cut without blue discolouration of the workpiece = less reworking

Field of application: The advantages of CeraMaxx cutting discs come into play particularly in strong profiles and solid stainless steel or steel material.

**Lifetime-Plus tin**

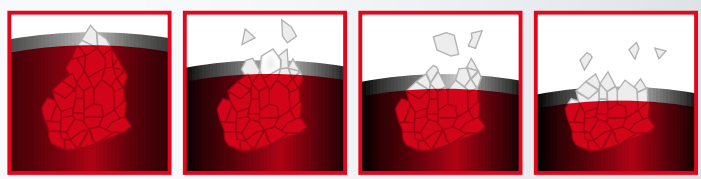
- Over 30%* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened

* 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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | — | **1111 500 100** | 111989 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | — | **1121 500 100** | 122299 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 1 tin of 10 discs | — | **6900 820 100** | 702309 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 1 tin of 10 discs | — | **6900 821 100** | 702316 |

## 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.

## 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

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

**1.2 mm** Thin, precise, fast, durable

MULTI Triple effectiveness

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

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

Iron- and sulphur-free

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | | **1111 360 100** | 111804 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | | **1121 360 100** | 121803 |
| | | | **ACS 46 T MULTI** | | | |
| 180 x 1.6 x 22.23 | 7 x 1/16 x 7/8 | 8600 | 25 | | **1183 360 100** | 143157 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1233 360 100** | 153606 |
| **Power Pack tin** | | | | | | |
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 1 tin of 10 discs | | **6900 942 100** | 704808 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 943 100** | 704815 |
| **Bosch quick-mount X-LOCK** | | | | | | |
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | | **1911 360 100** | 111217 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | | **1921 360 100** | 120691 |

# METAL CUTTING DISCS

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, FROM 1.6 MM

1.6 mm

### 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$^{-1}$ | | Shape | Item no. | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 25 | | **1110 250 100** | 110036 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 25 | | **1120 250 100** | 120035 |

HIGH SPEED

1.6 mm Thin, precise, fast

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

Iron- and sulphur-free

### 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

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.

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 25 | | **1111 250 100** | 111118 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 25 | | **1121 250 100** | 121117 |
| 150 x 1.6 x 22.23 | 6 x 1/16 x 7/8 | 10200 | 25 | | **1153 250 100** | 133103 |
| 180 x 1.6 x 22.23 | 7 x 1/16 x 7/8 | 8600 | 25 | | **1183 250 100** | 143119 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1233 250 100** | 153118 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 1 tin of 25 discs | | **6900 874 100** | 701449 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 856 100** | 701265 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 1 tin of 25 discs | | **6900 875 100** | 701456 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 1 tin of 10 discs | | **6900 855 100** | 701258 |

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, FROM 1.6 MM

HIGH SPEED · LONG LIFE · INOX

**1.6 mm** Thin, precise, fast, durable

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

Iron- and sulphur-free

# 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

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

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 25 | | **1111 251 100** | 111132 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 25 | | **1121 251 100** | 121148 |
| 180 x 1.6 x 22.23 | 7 x 1/16 x 7/8 | 8600 | 25 | | **1183 251 100** | 143171 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1233 251 100** | 153170 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 1 tin of 25 discs | | **6900 876 100** | 701463 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 877 100** | 701470 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 1 tin of 25 discs | | **6900 860 100** | 701289 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 1 tin of 10 discs | | **6900 861 100** | 701296 |
| **Bosch quick-mount X-LOCK** | | | | | | |
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 25 | | **1911 251 100** | 111170 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 25 | | **1921 251 100** | 120677 |

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, 1.6 MM

HIGH SPEED · LONG LIFE · INOX

**1.6 mm** Ultra fast, ultra service life

ceramic INSIDE 2.0 — Self-sharpening ceramic abrasive grain of the latest generation for ultimate performance

Iron- and sulphur-free

# AK 46 V CERAMAXX
## EVOLUTION ★★★★★

The thin 1.6-mm CeraMaxx cutting disc offers ultra-fast yet very comfortable cutting performance. The self-sharpening ceramic grain cuts through metal almost on its own, reducing the effort required enormously. Full cutting performance can be achieved even with minimal contact pressure. A clean, low-burr cut without blue discolouration reduces reworking. The enormous service life saves set-up time and labour costs while enhancing users' productivity and efficiency enormously.

Ideal target groups for these high-performance products include users working in pipeline construction, shipyards, metal construction, foundries, commercial vehicle production, steel construction, plant engineering, crane construction and the manufacturing of building machines.

- Outstanding cutting speed = high productivity
- Ultra-long service life = reduced disc consumption
- Clean, low-burr cut = less reworking
- Minimal effort = protects people and machines
- Cool cut without blue discolouration of the workpiece = less reworking

Field of application: The advantages of CeraMaxx cutting discs come into play particularly in strong profiles as well as solid stainless steel and steel material.

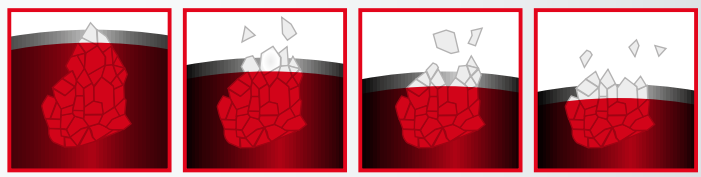
**Lifetime-Plus tin**
- Over 30%* longer service life (number of cuts)
- Sealed fresh pack keeps the cutting discs at full capacity and in 'straight off the line' condition until package is opened

* 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⁻¹ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 25 | | **1111 512 100** | 111828 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 25 | | **1121 512 100** | 122312 |
| 150 x 1.6 x 22.23 | 6 x 1/16 x 7/8 | 10200 | 25 | | **1153 511 100** | 133073 |
| **Lifetime-Plus tin** | | | | | | |
| 115 x 1.6 x 22.23 | 4 1/2 x 1/16 x 7/8 | 13280 | 1 tin of 10 discs | | **6900 822 100** | 702323 |
| 125 x 1.6 x 22.23 | 5 x 1/16 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 823 100** | 702330 |

## 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.

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL, FROM 2.0 MM

# 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

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

**2.0/1.0 mm** Thin, precise, fast, durable

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

Jam-free cutting

Iron- and sulphur-free

**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⁻¹ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115x2.0/1.0x22.23 | 4 1/2x5/64–1/25x7/8 | 13280 | 25 | | **1111 340 100** | 111507 |
| 125x2.0/1.0x22.23 | 5x5/64–1/25x7/8 | 12200 | 25 | | **1121 340 100** | 121506 |
| | | | **AS 46 T INOX FreeCut** | | | |
| 150x2.5/2.0x22.23 | 6x3/32–5/64x7/8 | 10200 | 25 | | **1153 340 100** | 133509 |
| 180x3.0/2.0x22.23 | 7x5/64–1/8x7/8 | 8600 | 25 | | **1183 340 100** | 143508 |
| 230x3.0/2.0x22.23 | 9x5/64–1/8x7/8 | 6600 | 25 | | **1233 340 100** | 153507 |
| **Power Pack tin** | | | | | | |
| 115x2.0/1.0x22.23 | 4 1/2x5/64–1/25x7/8 | 13280 | 1 tin of 10 discs | | **6900 937 100** | 704952 |
| 125x2.0/1.0x22.23 | 5x5/64–1/25x7/8 | 12200 | 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, FROM 2.5 MM

**2.5 mm** Fast, efficient

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

Combo cutting and grinding disc

Iron- and sulphur-free

### 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

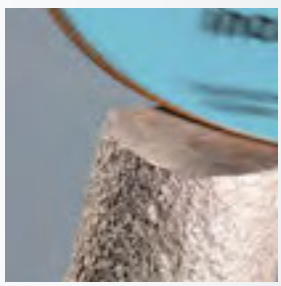
Field of application: For solid material or profiles made of stainless steel, standard steel or non-ferrous metals.

**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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 2.5 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | | **1113 270 100** | 113600 |
| 125 x 2.5 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | | **1123 270 100** | 123609 |
| | | | **AS 30 T INOX CUT+GRIND** | | | |
| 180 x 3.5 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1183 270 100** | 143607 |
| **Power Pack tin** | | | | | | |
| 115 x 2.5 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 1 tin of 5 discs | | **6900 936 100** | 704983 |
| 125 x 2.5 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 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.

**2.5 mm** Easy-cutting, durable

Iron- and sulphur-free

## 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

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

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 2.5 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | | **1111 906 100** | 111309 |
| 115 x 2.5 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | | **1113 906 100** | 113303 |
| 125 x 2.5 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | | **1121 906 100** | 121308 |
| 125 x 2.5 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | | **1123 906 100** | 123302 |
| 180 x 2.5 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 25 | | **1181 906 100** | 141306 |
| 180 x 2.5 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 25 | | **1183 906 100** | 143300 |
| 230 x 2.5 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 25 | | **1231 906 100** | 151305 |
| 230 x 2.5 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 25 | | **1233 906 100** | 153309 |

## FREE HAND CUTTING DISCS | STAINLESS STEEL / STEEL 2.2 MM

### 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

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

**2.2 mm** Easy-cutting, durable

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | | **1111 905 100** | 111293 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | | **1121 905 100** | 121292 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 25 | | **1181 905 100** | 141290 |
| 230 x 2.2 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 25 | | **1231 905 100** | 151299 |

## FREE HAND CUTTING DISCS | STEEL, FROM 3.0 MM

### 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.

**3–3.5 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1100 015 100** | 100006 |
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1102 015 100** | 102000 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1110 015 100** | 110005 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1112 015 100** | 112009 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1120 015 100** | 120004 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1122 015 100** | 122008 |
| 150 x 3 x 22.23 | 6 x 1/8 x 7/8 | 10200 | 25 | | **1150 015 100** | 130003 |
| 150 x 3 x 22.23 | 6 x 1/8 x 7/8 | 10200 | 25 | | **1152 015 100** | 132007 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1180 015 100** | 140002 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1182 015 100** | 142006 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1230 015 100** | 150001 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1232 015 100** | 152005 |
| 300 x 3.5 x 20.0 | 12 x 1/8 x 3/4 | 5100 | 25 | | **1300 225 100** | 160093 |
| 300 x 3.5 x 22.23 | 12 x 1/8 x 7/8 | 5100 | 25 | | **1300 226 100** | 160116 |

# METAL CUTTING DISCS

## FREE HAND CUTTING DISCS | STEEL, FROM 3.0 MM

### 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.

**3-4 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1103 115 100** | 103007 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1111 115 100** | 111002 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1113 115 100** | 113006 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1121 115 100** | 121001 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1123 115 100** | 123005 |
| 150 x 3 x 22.23 | 6 x 1/8 x 7/8 | 10200 | 25 | | **1153 115 100** | 133004 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1181 115 100** | 141009 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1183 115 100** | 143003 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1231 115 100** | 151008 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1233 115 100** | 153002 |
| 300 x 3.5 x 20 | 12 x 1/8 x 3/4 | 5100 | 25 | | **1301 125 100** | 161007 |
| 300 x 3.5 x 22.23 | 12 x 1/8 x 7/8 | 5100 | 25 | | **1301 126 100** | 161014 |
| 300 x 3.5 x 25.4 | 12 x 1/8 x 1 | 5100 | 25 | | **1301 127 100** | 161021 |
| 350 x 4 x 20 | 14 x 5/32 x 3/4 | 5500 | 10 | | **1351 135 100** | 171006 |
| 350 x 4 x 25.4 | 14 x 5/32 x 1 | 5500 | 10 | | **1351 137 100** | 171020 |

## FREE HAND CUTTING DISCS | STEEL, FROM 2.0 MM

# 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.

**2-2.5 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4 1/2 x 5/64 x 7/8 | 13280 | 25 | | **1111 055 100** | 111040 |
| 115 x 2 x 22.23 | 4 1/2 x 5/64 x 7/8 | 13280 | 25 | | **1113 055 100** | 113044 |
| 115 x 2.5 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | | **1113 060 100** | 113037 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 25 | | **1121 055 100** | 121049 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 25 | | **1123 055 100** | 123043 |
| 125 x 2.5 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | | **1123 060 100** | 123050 |
| 180 x 2 x 22.23 | 7 x 5/64 x 7/8 | 8600 | 25 | | **1181 055 100** | 141047 |
| 180 x 2.5 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 25 | | **1183 060 100** | 143027 |
| 230 x 2 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1231 055 100** | 151046 |
| 230 x 2.5 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 25 | | **1233 060 100** | 153040 |

## FREE HAND CUTTING DISCS | STEEL, 3.0 MM

### 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.

**3 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1111 940 100** | 111019 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1113 940 100** | 113013 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1121 940 100** | 121018 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1123 940 100** | 123012 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1181 940 100** | 141016 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1183 940 100** | 143010 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1231 940 100** | 151015 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1233 940 100** | 153026 |

## FREE HAND CUTTING DISCS | STEEL, 3.0 MM

# 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.

**3 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1101 966 100** | 101201 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1111 966 100** | 111200 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1113 966 100** | 113204 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1121 966 100** | 121209 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1123 966 100** | 123203 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1181 966 100** | 141214 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1231 965 100** | 151206 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1233 965 100** | 153200 |

## FREE HAND CUTTING DISCS | STEEL, 2.2 MM

### 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.

**2.2 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 2.2 x 16 | 4 x 3/32 x 5/8 | 15250 | 25 | ▬▬ | **1101 070 100** | 101256 |
| 115 x 2.2 x 22.23 | 4 1/2 x 3/32 x 7/8 | 13280 | 25 | ▬▬ | **1111 070 100** | 111255 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 25 | ▬▬ | **1121 070 100** | 121254 |
| 150 x 2.2 x 22.23 | 6 x 3/32 x 7/8 | 10200 | 25 | ▬▬ | **1151 070 100** | 131253 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 25 | ▬▬ | **1181 070 100** | 141252 |
| 230 x 2.2 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 25 | ▬▬ | **1231 070 100** | 151251 |

## FREE HAND CUTTING DISCS | ALUMINIUM, FROM 1.2 MM

### 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.

**1.2 mm** Thin, precise, fast, durable

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

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

**X-LOCK – tool-free cutting disc changes**

- Save time by changing discs quickly and easily – without tools
- 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

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | | **1111 150 100** | 111163 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | | **1121 150 100** | 121063 |
| **Bosch quick-mount X-LOCK** | | | | | | |
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | | **1911 150 100** | 111064 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | | **1921 150 100** | 120639 |

### 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.

**1.6–1.9 mm** Easy-cutting, durable

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | 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 | 8600 | 25 | | **1183 150 100** | 143041 |
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1233 150 100** | 153033 |

## FREE HAND CUTTING DISCS | RAIL SECTIONS, FROM 3.5 MM

### 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).

**3.5–4 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 300 x 3.5 x 22.23 | 12 x 1/8 x 7/8 | 5100 | 25 | | **1301 376 100** | 161113 |
| 300 x 3.5 x 25.4 | 12 x 1/8 x 1 | 5100 | 25 | | **1301 377 100** | 161120 |
| 350 x 4 x 22.23 | 14 x 5/32 x 7/8 | 5500 | 10 | | **1351 386 100** | 171112 |
| 350 x 4 x 25.4 | 14 x 5/32 x 1 | 5500 | 10 | | **1351 387 100** | 171129 |

## 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.

**1–2 mm** Thin, precise, fast, durable

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | 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 | | 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 |

# METAL CUTTING DISCS

## DISCS FOR STATIONARY CUTTING MACHINES / CHOP SAWS, FROM 3.5 MM

### 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.

**3.5 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 300 x 3.5 x 25.4 | 12 x 1/8 x 1 | 5100 | 25 | | **2301 320 100** | 260205 |
| 300 x 3.5 x 32 | 12 x 1/8 x 1 1/4 | 5100 | 25 | | **2301 340 100** | 260229 |
| 350 x 3.5 x 25.4 | 14 x 1/8 x 1 | 4400 | 10 | | **2351 320 100** | 270204 |
| 350 x 3.5 x 32 | 14 x 1/8 x 1 1/4 | 4400 | 10 | | **2351 340 100** | 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.

**3.5 mm**

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

## DISCS FOR STATIONARY CUTTING MACHINES / CHOP SAWS, FROM 2.8 MM

### 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.

**2.8 –3.2 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | 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.

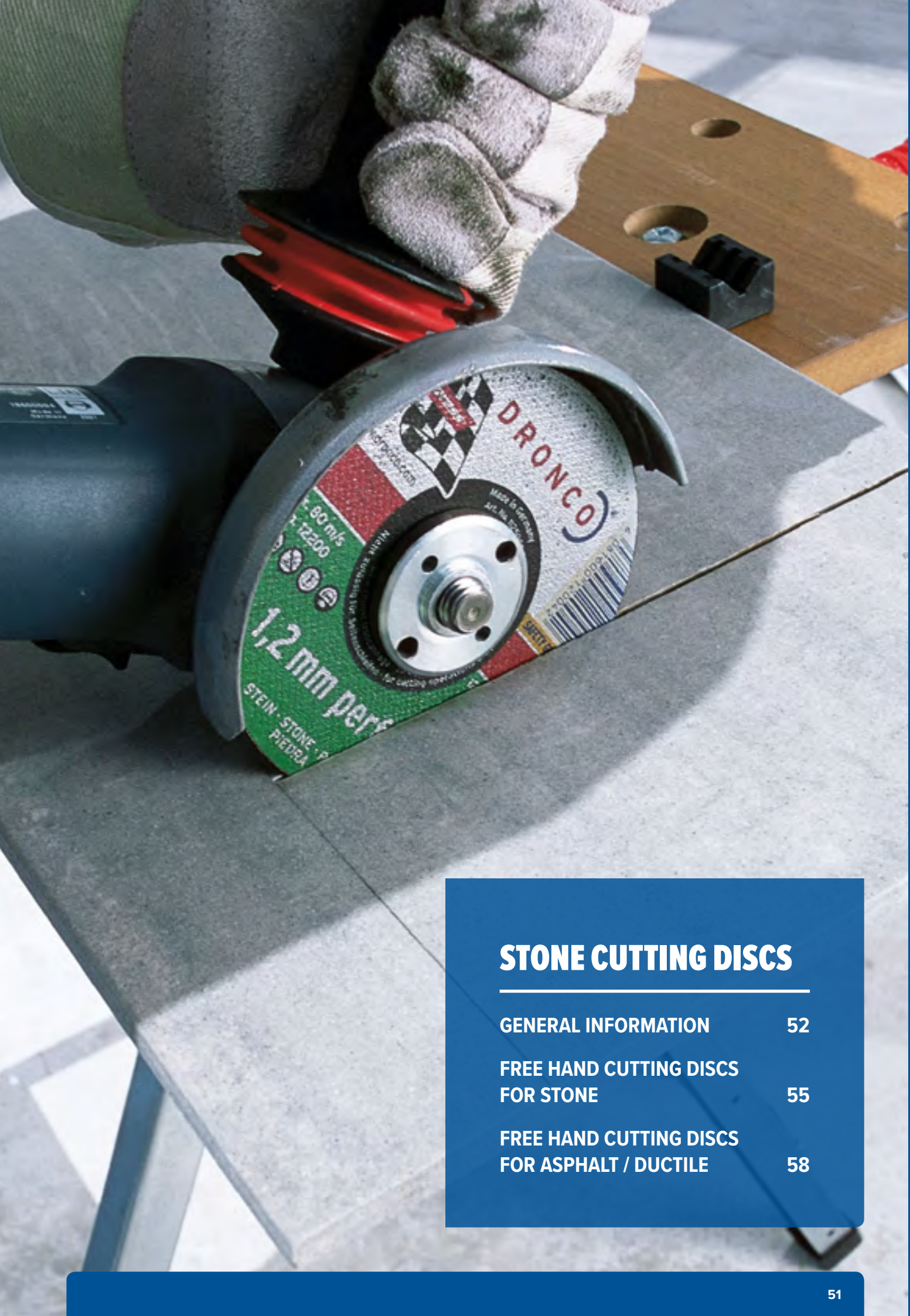
**2.8 –3.0 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | 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.

DRONCO 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 CUTTING DISCS

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FREE HAND CUTTING DISCS FOR STONE 55

FREE HAND CUTTING DISCS FOR ASPHALT / DUCTILE 58

# IMPORTANT INFO AT A GLANCE

The following specifications provide you with a helpful overview of the details included on our cutting disc labels.

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

**Colour indicates quality line**
Gold – Evolution
Silver – Superior and Perfect

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

**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

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

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

**Expiry date (quarter/year)**

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

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

**Quality line**

**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 bond, reinforced with layers of glass fibre.

GENERAL INFORMATION

# QUALITY LINES
# FOR EVERY REQUIREMENT

## QUALITY LINES ACCORDING TO 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 / SPECIAL

Premium tools for professional users. Effective, durable and cost-effective. Impresses during daily use thanks to its high removal rates and long service life.

### ★★★☆☆ PERFECT

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

# APPLICATION TABLE
# STONE CUTTING DISCS

●● very suitable
● suitable
◒ limited suitability

| | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FREE HAND CUTTING DISCS, STONE** | | | | | | | | | | | | | | | | | |
| C 60 R PERFECT | 55 | | ◒ | ◒ | ◒ | ◒ | | ◒ | ●● | ●● | ◒ | ●● | ◒ | ◒ | | ◒ | |
| C 46 R PERFECT | 55 | | ◒ | ◒ | ◒ | ◒ | | ◒ | ●● | ●● | ◒ | ●● | ◒ | ◒ | | ◒ | |
| C 24 R PERFECT | 56 | ◒ | ● | ● | ● | ◒ | ● | ◒ | ● | ● | ◒ | ● | ● | ● | ● | ● | ◒ |
| CS 24 R SPECIAL | 57 | ◒ | ●● | ●● | ● | ● | ● | ●● | ● | ● | ● | ● | ● | ●● | ●● | ●● | ◒ |
| **FREE HAND CUTTING DISCS, ASPHALT/DUCTILE** | | | | | | | | | | | | | | | | | |
| 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

# STONE CUTTING DISCS

## FREE HAND CUTTING DISCS | STONE, FROM 1.2 MM

HIGH SPEED

**1.2 mm** Thin, precise, fast

### 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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 25 | | **1115 000 100** | 110043 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 25 | | **1125 000 100** | 120042 |
| **Power Pack tin** | | | | | | |
| 115 x 1.2 x 22.23 | 4 1/2 x 3/64 x 7/8 | 13280 | 1 tin of 10 discs | | **6900 955 100** | 701074 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | 1 tin of 10 discs | | **6900 965 100** | 701081 |

HIGH SPEED

**1.9 mm** Thin, fast

### 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$^{-1}$ | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 230 x 1.9 x 22.23 | 9 x 5/64 x 7/8 | 6600 | 25 | | **1238 250 100** | 157116 |

## 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.

**3 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1105 015 100** | 105001 |
| 100 x 3 x 16 | 4 x 1/8 x 5/8 | 15250 | 25 | | **1107 015 100** | 107005 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1115 015 100** | 115000 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1117 015 100** | 117004 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1125 015 100** | 125009 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1127 015 100** | 127003 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1185 015 100** | 145007 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1187 015 100** | 147001 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1235 015 100** | 155006 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1237 015 100** | 157000 |

# STONE CUTTING DISCS

## FREE HAND CUTTING DISCS | STONE, FROM 3 MM

### 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.

**3–4 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1116 015 100** | 116007 |
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 25 | | **1118 015 100** | 118001 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1126 015 100** | 126006 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 25 | | **1128 015 100** | 128000 |
| 180 x 3 x 22.23 | 7 x 1/8 x 7/8 | 8600 | 25 | | **1186 015 100** | 146004 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1236 015 100** | 156003 |
| 230 x 3 x 22.23 | 9 x 1/8 x 7/8 | 6600 | 25 | | **1238 015 100** | 158007 |
| 300 x 4 x 20 | 12 x 5/32 x 3/4 | 5100 | 25 | | **1306 035 100** | 166002 |
| 300 x 4 x 22.23 | 12 x 5/32 x 7/8 | 5100 | 25 | | **1306 036 100** | 166019 |
| 350 x 4 x 20 | 14 x 5/32 x 3/4 | 5500 | 10 | | **1356 035 100** | 176001 |
| 350 x 4 x 25.4 | 14 x 5/32 x 1 | 5500 | 10 | | **1356 037 100** | 176025 |

## CS 30 ASPHALT / DUCTILE

**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).

**4 mm**

| Ø in mm | Ø in inches | RPM min$^{-1}$ | | 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 |



**Item numbers in bold**: available from stock. Prices are per piece without VAT. Recommended retail price.

# GRINDING DISCS


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GRINDING DISCS FOR STONE 72

# IMPORTANT INFO AT A GLANCE

The product labels for the Evolution line have been updated. They now feature a fresh, clean design with clear user information, internationally recognised pictograms and more explicit labelling of the quality line. The labels for the Superior and Perfect quality lines will be transitioned over to the new design in the course of 2019.

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

## DISC SPECIFICATIONS

**Colour indicates quality line**
Gold – Evolution
Silver – Superior and Perfect

**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.

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

**max. speed**

**max. circumferential speed**

**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

**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

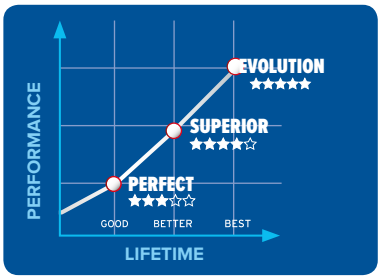
GENERAL INFORMATION

# 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

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 by its label with five stars.

## ★★★★☆ SUPERIOR / SPECIAL

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 craftsmen and semi-professional users who focus on quality. Good service life and good cutting performance at an attractive price.

# APPLICATION TABLE
# GRINDING DISCS

## METAL GRINDING DISCS

●● very suitable
● suitable
◒ limited suitability

| | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **GRINDING DISCS FOR STEEL** | | | | | | | | | | |
| A 30 T PERFECT | 63 | ●● | ◒ | ◒ | | ● | | ◒ | ◒ | ◒ |
| AS 30 R SPECIAL | 63 | ●● | ●● | ●● | | ● | | ●● | ● | ● |
| AS 24/30 T SUPERIOR | 64 | ●● | ● | ● | | ●● | | ●● | ◒ | ● |
| **GRINDING DISCS FOR STAINLESS STEEL / STEEL** | | | | | | | | | | |
| AS 30 S INOX SPECIAL | 65 | ● | ● | ● | ●● | ● | ●● | ● | ● | ◒ |
| AS 30 T INOX SPECIAL | 65 | ● | ● | ●● | ●● | ● | ●● | ●● | ● | ◒ |
| AZ 30 S EVOLUTION | 66 | ●● | ● | ●● | ●● | ● | ●● | ●● | ●● | ● |
| AZ 30 T EVOLUTION | 66 | ●● | ● | ●● | ●● | ● | ●● | ●● | ●● | ● |
| AK 36 T EVOLUTION CERAMAXX | 67 | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● |
| AK 24 V EVOLUTION CERAMAXX | 68 | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● |
| **GRINDING DISCS FOR CAST IRON** | | | | | | | | | | |
| AS 24 S CAST IRON SPECIAL | 69 | ◒ | | | | ◒ | | | ●● | ●● |
| **GRINDING DISCS FOR ALUMINIUM** | | | | | | | | | | |
| AS 46 ALU SPECIAL | 70 | ◒ | | | | ◒ | | | ● | ●● |
| **MINI GRINDING DISCS** | | | | | | | | | | |
| AS 46 T MINI SPECIAL | 71 | ● | ● | ● | ◒ | ● | ◒ | ◒ | ◒ | ◒ |

## STONE GRINDING DISCS

●● very suitable
● suitable
◒ limited suitability

| | Page | Concrete | Granite | Sand-lime brick | Clinker brick | Marble | Porcelain | Fireproof clay | Slate | Terrazzo | Clay pipes | Exposed aggregate concrete |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GRINDING DISCS FOR STONE** | | | | | | | | | | | | |
| CS 30 S SPECIAL | 72 | ●● | ● | ●● | ● | ● | ● | ● | ● | ● | ● | ● |

## GRINDING DISCS | STEEL

### A 30 T

**PERFECT** ★★★☆☆

Good all-purpose grinding disc with good service life.

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

**6–8 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 6 x 16 | 4 x 1/4 x 5/8 | 15250 | 10 | | **3106 040 100** | 300024 |
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 040 100** | 310023 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 040 100** | 320022 |
| 150 x 6 x 22.23 | 6 x 1/4 x 7/8 | 10200 | 10 | | **3156 040 100** | 330021 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 041 100** | 340020 |
| 180 x 8 x 22.23 | 7 x 5/16 x 7/8 | 8600 | 10 | | **3188 040 100** | 340082 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 041 100** | 350029 |
| 230 x 8 x 22.23 | 9 x 5/16 x 7/8 | 6600 | 10 | | **3238 040 100** | 350067 |

### 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.

**4–6 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 500 100** | 313000 |
| 125 x 4 x 22.23 | 5 x 5/32 x 7/8 | 12200 | 10 | | **3124 500 100** | 323016 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 500 100** | 323009 |
| 150 x 6 x 22.23 | 6 x 1/4 x 7/8 | 10200 | 10 | | **3156 500 100** | 333008 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 500 100** | 343014 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 500 100** | 353006 |

6 mm

## 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-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 520 100** | 313055 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 520 100** | 323047 |
| 150 x 6 x 22.23 | 6 x 1/4 x 7/8 | 10200 | 10 | | **3156 520 100** | 333046 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 520 100** | 343052 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 520 100** | 353068 |

GRINDING DISCS | STAINLESS STEEL/STEEL

4–6 mm

## 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

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

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 100 x 6 x 16 | 4 x 1/4 x 5/8 | 15250 | 10 | | **3106 540 100** | 303063 |
| 115 x 4 x 22.23 | 4 1/2 x 5/32 x 7/8 | 13280 | 10 | | **3114 540 100** | 313093 |
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 540 100** | 313062 |
| 125 x 4 x 22.23 | 5 x 5/32 x 7/8 | 12200 | 10 | | **3124 540 100** | 323030 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 540 100** | 323061 |
| 150 x 4 x 22.23 | 6 x 5/32 x 7/8 | 10200 | 10 | | **3154 540 100** | 333053 |
| 150 x 6 x 22.23 | 6 x 1/4 x 7/8 | 10200 | 10 | | **3156 540 100** | 333060 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 540 100** | 343090 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 540 100** | 353051 |

7 mm

## 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

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

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 7 x 22.23 | 4 1/2 x 9/32 x 7/8 | 13280 | 10 | | **3117 545 100** | 313307 |
| 125 x 7 x 22.23 | 5 x 9/32 x 7/8 | 12200 | 10 | | **3127 545 100** | 323306 |
| 180 x 7 x 22.23 | 7 x 9/32 x 7/8 | 8600 | 10 | | **3187 545 100** | 343304 |
| 230 x 7 x 22.23 | 9 x 9/32 x 7/8 | 6600 | 10 | | **3237 545 100** | 353303 |

6 mm

## 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

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

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 560 100** | 313253 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 560 100** | 323252 |
| 150 x 6 x 22.23 | 6 x 1/4 x 7/8 | 10200 | 10 | | **3156 560 100** | 333251 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 560 100** | 343250 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 560 100** | 353259 |

6 mm

## AZ 30 T INOX

### EVOLUTION ★★★★★

Grinding disc with 25% proportion of zirconium corundum.

- Extremely long service life
- High removal rates
- Attractive price-performance ratio

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

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 550 100** | 313215 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 550 100** | 323214 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 550 100** | 353266 |

GRINDING DISCS | STAINLESS STEEL/STEEL

## 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

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.

**3 mm**

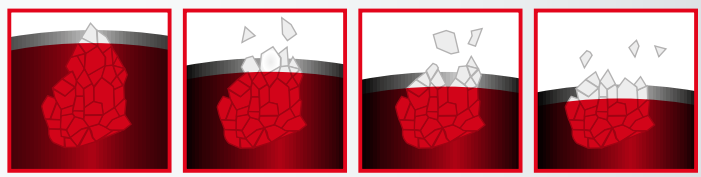
ceramic INSIDE 2.0 — Self-sharpening ceramic abrasive grain of the latest generation for ultimate performance

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 3 x 22.23 | 4 1/2 x 1/8 x 7/8 | 13280 | 10 | | **3113 551 100** | 311112 |
| 125 x 3 x 22.23 | 5 x 1/8 x 7/8 | 12200 | 10 | | **3123 551 100** | 320145 |

## CERAMAXX OUR STRONGEST DISCS WITH LATEST-GENERATION CERAMIC ABRASIVE GRAIN AND PERFORMANCE THAT'S 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 grinding discs can always put in a top performance – from start to finish. For maximum removal rates and service life.

## 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

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.

**4–7 mm**

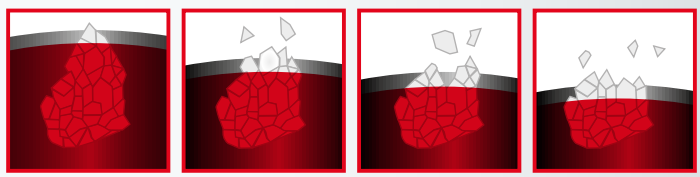
ceramic INSIDE 2.0 — Self-sharpening ceramic abrasive grain of the latest generation for ultimate performance

Iron- and sulphur-free

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 7 x 22.23 | 4 1/2 x 9/32 x 7/8 | 13280 | 10 | | **3117 561 100** | 313192 |
| 125 x 4 x 22.23 | 5 x 5/32 x 7/8 | 12200 | 10 | | **3124 560 100** | 323191 |
| 125 x 7 x 22.23 | 5 x 9/32 x 7/8 | 12200 | 10 | | **3127 560 100** | 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 | 8600 | 10 | | **3187 560 100** | 343403 |
| 230 x 7 x 22.23 | 9 x 9/32 x 7/8 | 6600 | 10 | | **3237 561 100** | 353211 |

## CERAMAXX OUR STRONGEST DISCS WITH LATEST-GENERATION CERAMIC ABRASIVE GRAIN AND PERFORMANCE THAT'S 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 grinding discs can always put in a top performance – from start to finish. For maximum removal rates and service life.

GRINDING DISCS | CAST IRON

## 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.

**7 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 180 x 7 x 22.23 | 7 x 9/32 x 7/8 | 8600 | 10 | | **3187 860 100** | 343182 |
| 230 x 7 x 22.23 | 9 x 9/32 x 7/8 | 6600 | 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.

## 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.

**6 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 580 100** | 313079 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 580 100** | 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 | 8600 | 10 | | **3186 580 100** | 343076 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 580 100** | 353075 |

## MINI GRINDING DISCS | STEEL

### 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.

6 mm

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 60 x 6 x 6 | 2 3/8 x 1/4 x 1/4 | 25450 | 10 | | **6406 000 100** | 642551 |
| 76 x 6 x 10 | 3 x 1/4 x 3/8 | 20100 | 10 | | **6407 600 100** | 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 | **6400 001 100** | 642575 |
| Tensioning shaft, 6 mm x M10 | 6 mm | 1/4 | 1 | **6400 002 100** | 642582 |

## 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.

**6 mm**

| Ø in mm | Ø in inches | RPM min-1 | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|
| 115 x 6 x 22.23 | 4 1/2 x 1/4 x 7/8 | 13280 | 10 | | **3116 660 100** | 313109 |
| 125 x 6 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | | **3126 660 100** | 323108 |
| 180 x 6 x 22.23 | 7 x 1/4 x 7/8 | 8600 | 10 | | **3186 660 100** | 343106 |
| 230 x 6 x 22.23 | 9 x 1/4 x 7/8 | 6600 | 10 | | **3236 660 100** | 353105 |

# FLAP DISCS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FLAP DISCS
NORMAL CORUNDUM 78

FLAP DISCS
ZIRCONIUM CORUNDUM 80

FLAP DISCS
CERAMIC GRAIN 89

# 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. We've also given all of our product labels a new design in the process. The additional information, 'an Osborn brand', indicates our affiliation with the Osborn umbrella brand.

A fresh and clean design with clear user information, internationally recognised pictograms and more explicit labelling of the quality line – this is the new layout you'll see on our flap discs.

## DESCRIPTION

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

**Safety information**

**Field of application**

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

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

**EAN code**

**max. circumferential speed**

**max. speed**

**Grit size**

**Quality line**

**Type of abrasive grain**

**Type designation**

**Shape of flap disc**

Flat

Tapered

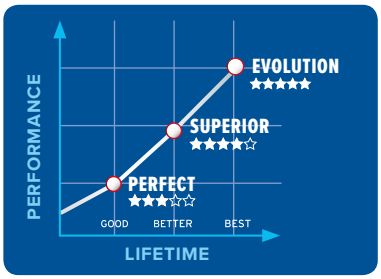
GENERAL INFORMATION

# QUALITY LINES
# FOR EVERY REQUIREMENT

## THREE QUALITY LINES THAT FOLLOW THE GOOD-BETTER-BEST PRINCIPLE

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

All products meet the relevant standards, achieve a high specific grinding performance and guarantee maximum safety.




### ★★★★★ EVOLUTION

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

### ★★★★☆ SUPERIOR

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

### ★★★☆☆ PERFECT

The flap disc range for craftspeople who focus on quality and semi-pro users. Good service life and a good removal rate at an attractive price. You'll recognise the Perfect Line by its label with three stars.

# 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.

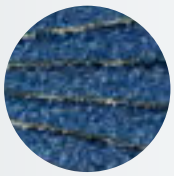
**ZIRCON MAXX**

## 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.

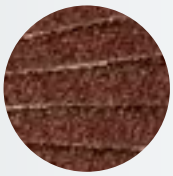
**ZIRCON PLUS**
**ZIRCON FLX**
**ZIRCON SPEED**

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+**
**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.

GENERAL INFORMATION

# APPLICATION TABLE
# FLAP DISCS

●●● extremely suitable
●● very suitable
● suitable

| | 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 | Wood | Plastic |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FLAP DISCS NORMAL CORUNDUM** | | | | | | | | | | | | |
| PERFECT ALOX POWER | 78 | ●● | ●● | ●● | ● | ●● | | ● | ● | ● | ● | ● |
| EVOLUTION ALOX GRIND + FINISH | 79 | ●● | ●● | ●● | ●● | ●● | ●● | ● | ●● | ● | ● | ● |
| **FLAP DISCS ZIRCONIUM CORUNDUM** | | | | | | | | | | | | |
| PERFECT ZIRCON POWER | 80 | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● | ● | ● |
| PERFECT ZIRCON TRIM | 81 | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● | ● | ● |
| PERFECT ZIRCON JUMBO | 82 | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● | ● | ● |
| SUPERIOR ZIRCON PLUS | 83 | ●● | ●● | ●● | ●● | ●●● | ●●● | ●● | ●●● | ● | ● | ● |
| SUPERIOR ZIRCON PRIME G-AZ | 84 | ●● | ●● | ●● | ●● | ●●● | ●●● | ●● | ●●● | ● | ● | ● |
| EVOLUTION ZIRCON SPEED | 85 | ●● | ●● | ●● | ●● | ●● | ●● | ● | ●● | ● | ● | ● |
| EVOLUTION ZIRCON FLX | 86 | ●● | ●● | ●● | ●● | ●● | ●● | ● | ●● | ● | ● | ● |
| EVOLUTION ZIRCON MAXX | 87 | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●● | ●● | ● | ● |
| **FLAP DISCS CERAMIC GRAIN** | | | | | | | | | | | | |
| SUPERIOR CERA PLUS | 88 | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●● | ●● | ● | ● |
| EVOLUTION CERA MAXX | 89 | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● | ●● | ●● | ● | ● |

## FLAP DISCS WITH NORMAL CORUNDUM

# ALOX POWER

**PERFECT** ★★★☆☆

**Cost-effective product for processing steel and wood.**

A tough, hard abrasive grain enables good removal rates, particularly when grinding surfaces. The glass fibre backing is characterised by an even grinding finish until the abrasive grain is completely consumed. No scratches appear on the workpiece.

- Quick machining
- Fine surface structure
- Good lifetime

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 004 100** | 565300 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 006 100** | 565317 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 007 100** | 565324 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5231 009 100** | 565331 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 004 100** | 565508 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 006 100** | 565515 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 007 100** | 565522 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5232 009 100** | 565539 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5238 004 100** | 565706 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5238 006 100** | 565713 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 80 | 10 | | **5238 007 100** | 565720 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 204 100** | 565409 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 206 100** | 565416 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 207 100** | 565423 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5231 209 100** | 565430 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 204 100** | 565607 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 206 100** | 565614 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 207 100** | 565621 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5232 209 100** | 565638 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5238 204 100** | 565805 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5238 206 100** | 565812 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 80 | 10 | | **5238 207 100** | 565829 |

## FLAP DISCS WITH NORMAL CORUNDUM

### ALOX GRIND+FINISH
**EVOLUTION ★★★★★**

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

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

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 + coarse | 10 | | **5251 704 100** | 565119 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 + medium | 10 | | **5251 706 100** | 565126 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 + fine | 10 | | **5251 707 100** | 565133 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 + coarse | 10 | | **5252 704 100** | 565218 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 + medium | 10 | | **5252 706 100** | 565225 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 + fine | 10 | | **5252 707 100** | 565232 |

**Three different combinations**

60 + coarse

80 + medium

120 + fine

Removal of welding seams and attractive finish in a single process

## FLAP DISCS WITH ZIRCONIUM CORUNDUM

# ZIRCON POWER

**PERFECT** ★★★☆☆

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

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

Field of application: For processing stainless steel and steel.

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 184 100** | 560404 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 186 100** | 560411 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 187 100** | 560428 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 184 100** | 560602 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 186 100** | 560619 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 187 100** | 560626 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 384 100** | 560503 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 386 100** | 560510 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 387 100** | 560527 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5231 389 100** | 560534 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 384 100** | 560701 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 386 100** | 560718 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 387 100** | 560725 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5232 389 100** | 560732 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5238 384 100** | 560800 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5238 386 100** | 560817 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 80 | 10 | | **5238 387 100** | 560824 |

## FLAP DISCS WITH ZIRCONIUM CORUNDUM

### ZIRCON TRIM

**PERFECT** ★★★☆☆

**Flap disc with a glass fibre reinforced, trimmable plastic backing.**

Newly developed zirconium abrasive band with very good removal rate and service life. Does not leave any scratches or abrasions on the workpiece.

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5131 184 100** | 560909 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5131 186 100** | 560916 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5131 187 100** | 560923 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5132 184 100** | 561005 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5132 186 100** | 561012 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5132 187 100** | 561029 |

## ZIRCON JUMBO

**PERFECT** ★★★☆☆

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

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 164 100** | 560008 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 166 100** | 560015 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 167 100** | 560022 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 164 100** | 560206 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 166 100** | 560213 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 167 100** | 560220 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5231 364 100** | 560107 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5231 366 100** | 560114 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5231 367 100** | 560121 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5232 364 100** | 560305 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5232 366 100** | 560312 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5232 367 100** | 560329 |

**Higher number of flaps - steeper arrangement of flaps**

## FLAP DISCS WITH ZIRCONIUM CORUNDUM

### ZIRCON PLUS

**SUPERIOR** ★★★★☆

**Top-quality zirconium flap disc. Well-suited for deburring, processing welding seams and surface grinding.**

Very balanced and universally applicable flap disc with brilliant removal rate and outstanding service life. For processing steel and stainless steel.
A true four-star all-round disc.

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5241 104 100** | 561104 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5241 106 100** | 561111 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5241 107 100** | 561128 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5242 104 100** | 561302 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5242 106 100** | 561319 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5242 107 100** | 561326 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5248 104 100** | 561500 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5248 106 100** | 561517 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5241 304 100** | 561203 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5241 306 100** | 561210 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5241 307 100** | 561227 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5241 309 100** | 561234 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5242 304 100** | 561401 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5242 306 100** | 561418 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5242 307 100** | 561425 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5242 309 100** | 561432 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5248 304 100** | 561609 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5248 306 100** | 561616 |

## FLAP DISCS WITH ZIRCONIUM CORUNDUM

## ZIRCON PRIME G-AZ

### SUPERIOR ★★★★☆

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

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5211 104 100** | 511505 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5211 106 100** | 511512 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5211 107 100** | 511529 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5211 109 100** | 511543 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5212 104 100** | 521504 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5212 106 100** | 521511 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5212 107 100** | 521528 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5212 109 100** | 521542 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5218 104 100** | 541502 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5218 106 100** | 541519 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5211 304 100** | 511109 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5211 306 100** | 511116 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5211 307 100** | 511123 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 120 | 10 | | **5211 309 100** | 511147 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5212 304 100** | 521207 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5212 306 100** | 521214 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5212 307 100** | 521221 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 120 | 10 | | **5212 309 100** | 521269 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 40 | 10 | | **5218 304 100** | 541014 |
| 180 x 22,23 | 7 x 7/8 | 8600 | 60 | 10 | | **5218 306 100** | 541021 |

## FLAP DISCS WITH ZIRCONIUM CORUNDUM

## ZIRCON SPEED

### EVOLUTION ★★★★★

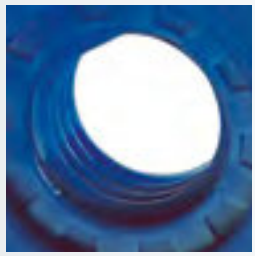
**Premium flap disc with backing plate made of glass fibre reinforced plastic with M14 thread.**

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

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x M14 | 4 1/2 x M14 | 13280 | 40 | 10 | | **5151 154 100** | 563504 |
| 115 x M14 | 4 1/2 x M14 | 13280 | 60 | 10 | | **5151 156 100** | 563511 |
| 115 x M14 | 4 1/2 x M14 | 13280 | 80 | 10 | | **5151 157 100** | 563528 |
| 125 x M14 | 5 x M14 | 12200 | 40 | 10 | | **5152 154 100** | 563603 |
| 125 x M14 | 5 x M14 | 12200 | 60 | 10 | | **5152 156 100** | 563610 |
| 125 x M14 | 5 x M14 | 12200 | 80 | 10 | | **5152 157 100** | 563627 |



Saves set-up time thanks to the integrated M14 adapter

## ZIRCON FLX

### EVOLUTION ★★★★★

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

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5251 604 100** | 564907 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5251 606 100** | 564914 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5251 607 100** | 564921 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5252 604 100** | 565003 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5252 606 100** | 565010 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5252 607 100** | 565027 |

## 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

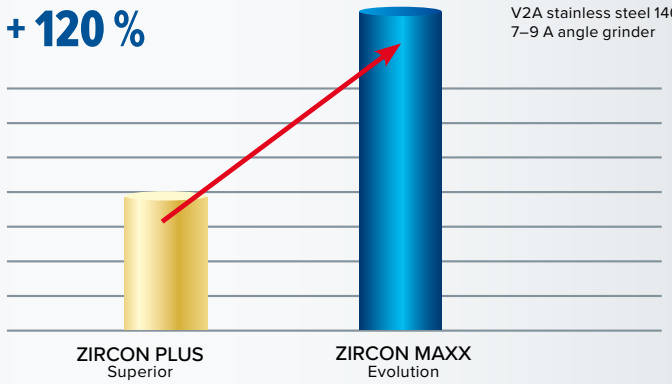
Field of application: For processing high alloy, martensitic steel, titanium, malleable cast iron, wrought iron, nickelcobalt alloys, chrome and chrome-nickel-steel, brass or bronze. Areas of application: Sheet metal processing, container construction, cast parts, hand tools, tubes and bars, metal constructions.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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5251 104 100** | 563702 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5251 106 100** | 563719 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5251 107 100** | 563726 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5252 104 100** | 563900 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5252 106 100** | 563917 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5252 107 100** | 563924 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5251 304 100** | 563801 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5251 306 100** | 563818 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5251 307 100** | 563825 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5252 304 100** | 564402 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5252 306 100** | 564419 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5252 307 100** | 564426 |

**Removal rates on edges**

**+ 120 %**

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




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

## FLAP DISCS 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.

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5241 434 100** | 561708 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5241 436 100** | 561715 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5241 437 100** | 561722 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5242 434 100** | 561906 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5242 436 100** | 561913 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5242 437 100** | 561920 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5241 444 100** | 561807 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5241 446 100** | 561814 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5241 447 100** | 561821 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5242 444 100** | 562002 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5242 446 100** | 562019 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5242 447 100** | 562026 |

## FLAP DISCS WITH CERAMIC ABRASIVE GRAIN

### CERA MAXX
### EVOLUTION ★★★★★

**Premium product with self-sharpening ceramic grain and additives that actively support grinding.**

Additional top coat for particularly cool grinding and improved level of surface quality. This innovative abrasive band impresses thanks to a permanently available aggressive removal rate and incredibly long lifetime. The ultimate for demanding grinding work on high alloy or heat-sensitive steel.

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

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

| Ø in mm | Ø in Inch | RPM min-1 | Grit | | Shape | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5251 434 100** | 564501 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5251 436 100** | 564518 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5251 437 100** | 564525 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5252 434 100** | 564709 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5252 436 100** | 564716 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5252 437 100** | 564723 |
| | | | | | | | |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 40 | 10 | | **5251 444 100** | 564600 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 60 | 10 | | **5251 446 100** | 564617 |
| 115 x 22,23 | 4 1/2 x 7/8 | 13280 | 80 | 10 | | **5251 447 100** | 564624 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 40 | 10 | | **5252 444 100** | 564808 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 60 | 10 | | **5252 446 100** | 564815 |
| 125 x 22,23 | 5 x 7/8 | 12200 | 80 | 10 | | **5252 447 100** | 564822 |

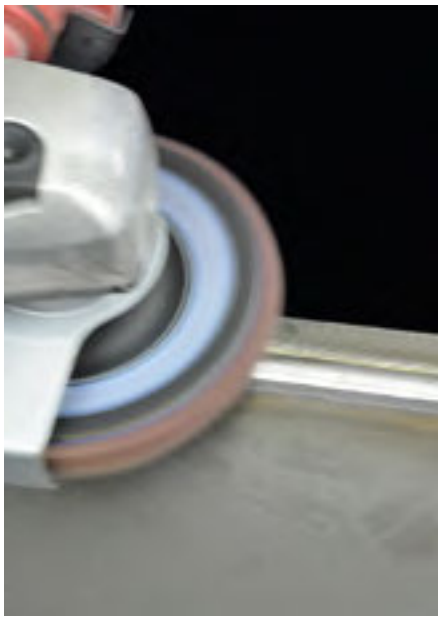
Removal rate on surfaces
**+ 30 %**

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

Removal rate on edges
**+ 40 %**




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



# ABRASIVES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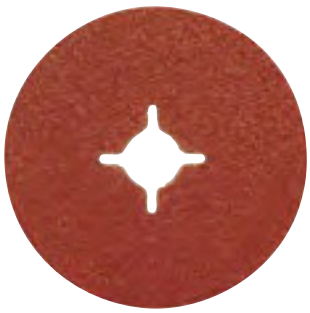
1-2-3-4 SYSTEM FOR MANUAL BODYWORK SANDING 103


Abrasives from DRONCO guarantee the highest quality with respect to:

- Grinding performance
- Grinding finish
- Service life
- Safety
- Efficiency

## FIBRE DISCS FOR USE ON ANGLE GRINDERS



# FIBER A

**PERFECT** ★★★☆☆

DRONCO 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 | | 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.

## FIBRE DISCS FOR USE ON ANGLE GRINDERS

### 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| AZ 36 Fiber | 125 x 22 | 5 x 7/8 | 25 | **6722 333 000** | 674859 |
| AZ 50 Fiber | 125 x 22 | 5 x 7/8 | 25 | **6722 335 000** | 674866 |
| AZ 60 Fiber | 125 x 22 | 5 x 7/8 | 25 | **6722 336 000** | 674873 |
| AZ 80 Fiber | 125 x 22 | 5 x 7/8 | 25 | **6722 337 000** | 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| AK 36+ Fiber | 115 x 22.23 | 4 1/2 x 7/8 | 25 | **6011 814 000** | 601718 |
| AK 36+ Fiber | 125 x 22.23 | 5 x 7/8 | 25 | **6012 814 000** | 602715 |
| AK 60 Fiber | 115 x 22.23 | 4 1/2 x 7/8 | 25 | **6011 816 000** | 601732 |
| AK 60 Fiber | 125 x 22.23 | 5 x 7/8 | 25 | **6012 816 000** | 602739 |
| AK 80 Fiber | 115 x 22.23 | 4 1/2 x 7/8 | 25 | **6011 817 000** | 601749 |
| AK 80 Fiber | 125 x 22.23 | 5 x 7/8 | 25 | **6012 817 000** | 602746 |

Please see the following pages for the right backing pad.

## 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 | | 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 FOR ANGLE GRINDERS

### 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| M14 with velcro | 115 | 4 1/2 | 1 | **6211 205 000** | 621020 |
| M14 with velcro | 125 | 5 | 1 | **6212 205 000** | 622027 |
| M14 with velcro | 180 | 7 | 1 | **6218 205 000** | 624021 |
| M10 without velcro | 115 | 4 1/2 | 1 | **6211 100 000** | 621013 |
| M14 without velcro | 115 | 4 1/2 | 1 | **6211 105 000** | 621006 |
| M14 without velcro | 125 | 5 | 1 | **6212 105 000** | 622003 |
| M14 without velcro | 180 | 7 | 1 | **6218 105 000** | 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| M14 ribbed | 115 | 4 1/2 | 1 | **6211 110 000** | 621099 |
| M14 ribbed | 125 | 5 | 1 | **6212 110 000** | 622096 |
| M14 ribbed | 180 | 7 | 1 | **6218 110 000** | 624090 |

## 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| AS 16 Q | Coarse | 110/90 x 55 x 22.23 | 1 | **6311 000 100** | 631005 |
| AS 24 Q | Medium | 110/90 x 55 x 22.23 | 1 | **6311 001 100** | 631012 |
| AS 36 Q | Fine | 110/90 x 55 x 22.23 | 1 | **6311 003 100** | 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| CS 16 N | Coarse | 110/90 x 55 x 22.23 | 1 | **6311 010 100** | 631050 |
| CS 24 N | Medium | 110/90 x 55 x 22.23 | 1 | **6311 011 100** | 631029 |
| CS 60 N | Fine | 110/90 x 55 x 22.23 | 1 | **6311 016 100** | 631074 |
| 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.

## CERAMIC BONDED GRINDING DISCS

### 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 | | Item code | EAN 4081600 |
|---|---|---|---|---|---|
| NK 24 | Coarse | 150 x 20 x 32/20 | 1 | **6561 500 000** | 656039 |
| NK 24 | Coarse | 175 x 20 x 32/20 | 1 | **6561 700 000** | 656060 |
| NK 24 | Coarse | 200 x 20 x 32/20 | 1 | **6562 000 000** | 656091 |
| NK 60 | Medium | 175 x 20 x 32/20 | 1 | **6561 710 000** | 656077 |
| NK 60 | Medium | 200 x 20 x 32/20 | 1 | **6562 010 000** | 656114 |
| SIC 80 | Fine | 150 x 20 x 32/20 | 1 | **6561 520 000** | 656053 |
| SIC 80 | Fine | 175 x 20 x 32/20 | 1 | **6561 720 000** | 656084 |
| SIC 80 | Fine | 200 x 20 x 32/20 | 1 | **6562 020 000** | 656107 |

## FLAP WHEELS

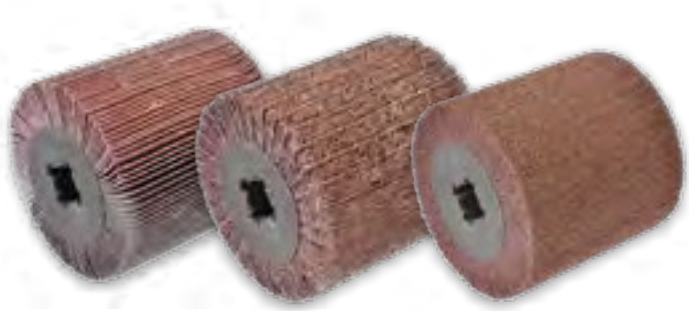
**Good to know ...**

Flap wheels for operating on high-speed machines can be found starting on page 164

## SANDING DRUMS

**Good to know ...**

Sanding drums for operating on stationary and finishing machines can be found starting on page 190



## ECONOMY ROLL, BROWN

**PERFECT** ★★★☆☆

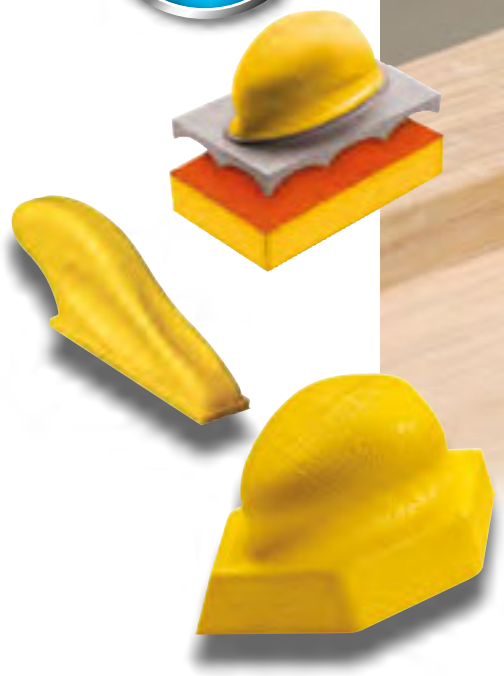
**Premium quality, resin bonded all-purpose abrasive band for manual sanding in a handy dispenser. Particularly suitable for metals and stainless steel. Flexible cotton cloth is easy to tear off.**

- 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 | | 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 |

## DRONCO 1-2-3 SYSTEM FOR MANUAL SANDING



| COLOUR-CODED SAND PAPER FOR THE FOLLOWING PROCESSING STEPS: | | |
|---|---|---|
| **1ST STEP:** PRE-SANDING | **2ND STEP:** SANDING | **3RD STEP:** FINISHING |
| Pre-sanding with a grit of 80 for coarse grinding work such as removing chipped paint and varnish as well as rounding edges and removing burrs. | Intermediate sanding with a grit of 120 for grinding work such as removing rust, effective paint removal across entire surfaces, removing and sanding down deep scratches and process-ing metal. | Finishing with a grit of 220. This grit helps you achieve an ideal surface for subsequent glazing, painting or oiling of furniture. |

# MINI SANDER SET

**PERFECT** ★★★☆☆

**The Mini Sander is an ergonomic, effective sanding tool for more detailed work.**

Pressure can be perfectly applied with the index finger so you can access hard-to-reach areas. Highly suitable for restoring furniture, working on windows, doors and shutters as well as for a wide range of sanding work, including on wood, fibreglass, plasterboard, metal or varnished surfaces.

The DRONCO 1-2-3 Mini Sander set contains:

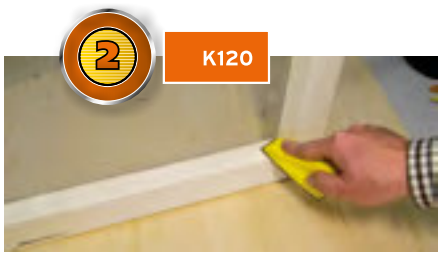
- 1 ergonomic Mini Sander
- 10 sanding sheets, 80 grit
- 10 sanding sheets, 120 grit
- 10 sanding sheets, 220 grit

Field of application: For wood, metal, plastic, varnished surfaces and much more.

**Refill pack for Mini Sander**

- The convenient refill pack with 30 sanding sheets
- 10 x 80 grit, 10 x 120 grit, 10 x 220 grit

| Designation | | Item code | EAN 4081600 |
|---|---|---|---|
| Mini Sander set, 91 x 27 mm | Set with 30 assorted sheets | **6780 200 000** | 684001 |
| **Mini Sander refill pack** | | | |
| Mini Sander refill pack | 30 assorted sheets | **6780 210 000** | 684018 |



## DRONCO 1-2-3 SYSTEM FOR MANUAL SANDING

# HEXAGON SANDER SET

**PERFECT** ★★★☆☆

**Its ergonomic shape makes the Hexagon Sander the perfect tool for every sanding project.**

The Hexagon Sander makes sanding larger surfaces particularly ergonomic, smooth and effective and also offers impressive results in corners, on hard-to-access spots or on longer edges. This is an ideal tool for restoring furniture and for a wide range of sanding tasks, e.g. on wood, fibreglass, plasterboard, metal or varnished surfaces.

The DRONCO 1-2-3 Hexagon Sander set contains:

- 1 ergonomic sander
- 6 sheets of sanding paper in three different grains

Field of application: For wood, metal, plastic, varnished surfaces and much more.

**Economy set for Hexagon Sander**

- Contains the Hexagon Sander plus 50 sheets of sanding paper
- 20 x 80 grit 20 x 120 grit, 10 x 220 grit

**Refill pack for Hexagon Sander**

- Two refill packs – of one type with 6 pieces of sanding paper each
- 6 x 80 grit or 6 x 120 grit

| Designation | | Item code | EAN 4081600 |
|---|---|---|---|
| Hexagon Sander set, 150 x 75 mm | Set with 6 assorted sheets | **6780 220 000** | 684032 |
| **Economy set for Hexagon Sander** | | | |
| Hexagon Sander set, 150 x 75 mm | Set with 50 assorted sheets | **6780 221 000** | 684070 |
| **Refill pack for Hexagon Sander** | | | |
| Refill pack for Hexagon Sander, 150 x 75 mm | 6 sheets 80 grit | **6780 230 000** | 684049 |
| Refill pack for Hexagon Sander, 150 x 75 mm | 6 sheets 120 grit | **6780 231 000** | 684056 |

## SANDING SPONGE SET WITH HANDLE

**PERFECT ★★★☆☆**

**This handle makes it very comfortable to use sanding sponges – without having to hold the sanding sponge in your hand.**

The sanding sponges adapt to the surface to be processed very well and enable smooth sanding.

- 1x coarse sponge, 80 grit, highly suitable for removing paint and varnish
- 2x medium sponges, 120 grit, outstanding suitability for sanding hard and soft wood, drywall putty, fibreglass or metal surfaces
- 1x fine sponge, 220 grit, ideal for sanding surfaces prior to applying coats of paint, glazing or varnish as well as before oiling furniture with teak oil or other liquid wood waxes

Field of application: For wood, metal, plastic, fibreglass, varnished surfaces, plasterboard and much more.

| Designation | | Item code | EAN 4081600 |
|---|---|---|---|
| Sanding sponge set | Holder plus assortment of 4 sponges | **6780 290 000** | 684100 |

## DRONCO 1-2-3-4 SYSTEM FOR SANDING BODYWORK

### MINI CAR SANDER SET

**PERFECT** ★★★☆☆

**The ergonomic Mini Sander with sanding sheets for wet sanding on car bodies.**

The Mini Sander comes in a set with 3 special sandpaper grits:

- 400 grit for wet sanding the primer filler spray
- 1,000 to 1,500 grit for wet sanding to denib or remove imperfections in clear coat
- 1,500 grit can also be used to remove slight scratches via careful, fine wet sanding
- 10 x 400 grit, 10 x 1,000 grit, 10 x 1,500 grit

Field of application: Ergonomic mini manual sanding system with sanding sheets for wet sanding for detailed bodywork and varnishing.

| Designation | | Item code | EAN 4081600 |
|---|---|---|---|
| Mini car sander, 91 x 27 mm | Set with 30 assorted sheets | **6780 201 000** | 684025 |

## OVAL CAR SANDER SET

**PERFECT** ★★★☆☆

**Oval Car Sander as part of a set with sanding sheets in four special grits. Specially designed for sanding work on larger surfaces and on car bodies.**

- 1 ergonomic sander
- 8 sheets of sanding paper in four different grits
- 80 grit, coarse: Removing rust and damaged paintwork, sanding layers of paint on wood and much more.
- 180 grit, medium: This grit is used to prepare the metal surface for the use of filler. In addition, this grit can effortlessly remove bumps in the old varnish.
- The 80 and 180 grits are used for drying sanding filler.
- 320 and 400 grits are used for wet sanding the primer filler spray.

Field of application: Sanding system for bodywork and varnishing, sanding filler. Also suitable for use on wood.

**Refill pack for oval car sander**
The refill pack for the oval sander consists of 2 sanding sheets each 152 x77 mm, coarse 80 grit, medium 180 grit, fine 320 grit, fine 400 grit

| Designation | | Item code | EAN 4081600 |
|---|---|---|---|
| Oval Car Sander, 152 x 77 mm | Set with 8 assorted sanding sheets | **6780 240 000** | 684087 |
| **Refill pack for oval car sander** | | | |
| Refill pack for Oval Car Sander | 152 x 77 mm, 8 assorted sanding sheets | **6780 250 000** | 684094 |

# CLEANING TOOLS FOR ANGLE GRINDERS


| | |
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# 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 generally on the brush itself. If it is not, you will find below an aid for the most popular angle grinder sizes with their maximum speeds.

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

## WHICH BRUSH IS USED ON WHICH ANGLE GRINDER?

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

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

| | | Brush diameter in mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 60 | 65 | 75 | 80 | 90 | 100 | 115 | 120 | 125 | 130 | 140 | 150 | 178 | 230 |
| Wheel brush | Knotted | | | | | | 115 | 115 | | 125 | | | 150 | 180 | 230 |
| | Crimped | | | | | | 115 | 115 | | | | | | | |
| | Abrasive | | | | | | | | | | 150* | 150* | | | |
| Bevel brush | Knotted | | | | | | 115 | 115 | | 125 | | | | | |
| | Crimped | | | | | | 115 | 115 | | | | | | | |
| | Abrasive | | | | | | 115* | 115/115* | | | | | | | |
| Cup brush | Knotted | | 115* | 125 | 150 | | 180 | | 230 | | | | | | |
| | Crimped | 115 | | 125 | 150 | | 150/180 | | | 230 | | | 230 | | |
| | Abrasive | | 115* | | | | 150* | | | | | | | | |

* variable speed grinder or cordless

## PRODUCT ADVICE FOR WELD SEAM CLEANING

MMA, TIG/MIG/MAG and plasma welding techniques leave different debris and inclusions on the surface of the weld seam. Slag, spatters, silicates and blue discolouring must be removed. If later a coating is applied to the wolded part, 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, and coarse cleaning fleeces.

### MMA

**Slag**
Residue formed when the electrodes wear.

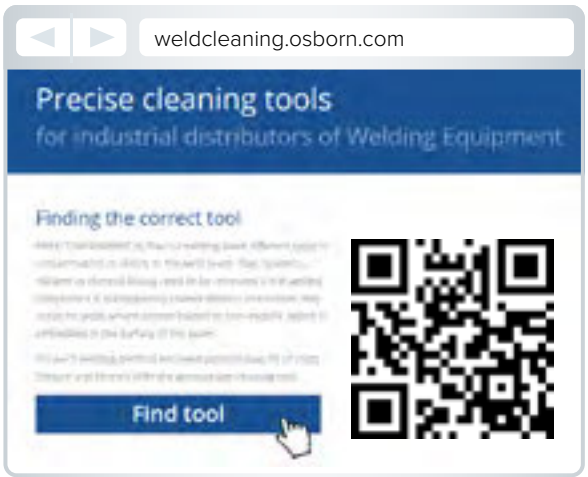
**Spatters**
Abrasive discs remove these residues.

### TIG/MIG/MAG

**Silicates**
They form when silicone, present in most steel alloys, is burnt during the welding process and turn to silicone dioxide.

### PLASMA

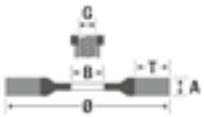
**Blue discolouration**
Oxide deposits, formed mainly when welding stainless steel.




## FINDING THE RIGHT TOOL SUPER QUICK

Simply go to our website, accessed using the QR code or link in the box on the left, and input your entries in the product configurator with just a few clicks. The relevant product with corresponding part number is displayed, from where you can start immediately with sending us a request for quotation.

Appearance can vary from picture depending on variant.




115-230

# WHEEL BRUSHES, KNOTTED WIRE

## SUPERIOR ★★★★☆

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

- Aggressive and speedy cleaning; all wire tips are in use at the same time
- Long service life
- TÜV-Süd certified (safety tested, production monitored)

**Applications:** For roughing, deburring and simple rust removal work

\+ Available in practical box packaging with Euro-standard hole.

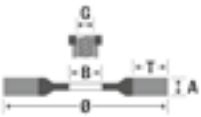
| | | | | | | | | Steel / 0.35 | | Steel / 0.50 | | Steel / 0.80 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 15 | 13 | | | 20000 | 12 | 0002-611 131 | | 0002-611 151 | | | |
| 100 | 12 | 20 | 22.2 | | F | 12500 | 8 | 0002-621 131 | | **0002-621 151** | | | |
| 115 | 12 | 23 | 22.2 | | F | 12500 | 10 | **0002-631 131** | | **0002-631 151** | | | |
| 115 | 12 | 23 | | M14x2.0 | | 12500 | 6 | **0402-631 131** | | **0402-631 151** | | | |
| 115 | 6 | 19 | 22.2 | | | 12500 | 10 | **9502-626 301** | | **9502-626 501** | | | |
| 125 | 13 | 28 | 22.2 | | F | 12500 | 8 | **6152-631 131** | | **2202-631 151** | | | |
| 125 | 13 | 28 | | M14x2.0 | | 12500 | 8 | 1402-631 131 | | **1402-631 151** | | | |
| 125 | 6 | 24 | 22.2 | | | 12500 | 8 | 9502-626 311 | | **9502-626 251** | | | |
| 150 | 13 | 37 | 22.2 | | F | 12000 | 5 | **0002-641 131** | | **0002-641 151** | | **0002-641 181** | |
| 178 | 13 | 42 | 22.2 | | F | 10000 | 6 | **0002-653 131** | | **0002-653 151** | | **0002-653 181** | |
| 178 | 6 | 38 | 22.2 | | | 12000 | 12 | 4602-626 131 | | | | | |
| 230 | 6 | 57 | 22.2 | | | 6500 | 1 | | | 4306-026 904 | | | |
| 230 | 13 | 58 | 22.2 | | F | 8500 | 1 | | | 9502-664 151 | | | |

| | | | | | | | | INOX / 0.35 | | INOX / 0.50 | | INOX / 0.50 / 1.4401 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 12 | 20 | 22.2 | | F | 12500 | 4 | | | 0002-621 351 | | | |
| 115 | 12 | 23 | 22.2 | | F | 12500 | 4 | **0002-631 331** | | 0002-631 351 | | | |
| 115 | 12 | 23 | 22.2 | | | 12500 | 4 | | | | | 4902-631 351 * | |
| 115 | 12 | 23 | | M14x2.0 | | 12500 | 4 | 0402-631 331 | | **0402-631 351** | | | |
| 125 | 6 | 24 | 22.2 | | | 12000 | 3 | | | **9502-626 651** | | 4902-626 651 * | |
| 125 | 13 | 28 | 22.2 | | F | 12500 | 3 | **2202-631 331** | | **2202-631 351** | | | |
| 125 | 13 | 28 | 22.2 | | | 12500 | 3 | | | | | 4912-631 351 * | |
| 125 | 13 | 28 | | M14x2.0 | | 12500 | 3 | 1402-631 331 | | **1402-631 351** | | | |
| 150 | 13 | 37 | 22.2 | | F | 12000 | 3 | | | **0002-641 351** | | | |
| 178 | 13 | 42 | 22.2 | | F | 12000 | 3 | | | **0002-653 351** | | | |
| 178 | 13 | 42 | 22.2 | | | 10000 | 3 | | | | | 4902-653 351 * | |
| 178 | 13 | 42 | 22.2 | | F | 10000 | | 4612-626 331 | | | | | |

* TÜV certification planned.

### WHEEL BRUSHES

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, KNOTTED WIRE

115-180

**PERFECT** ★★★☆☆

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

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

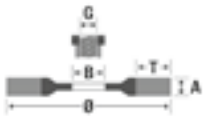
**Applications:** For simple deburring and cleaning work

\+ Available in practical PET packaging with Euro-standard hole.

**Steel / 0.50**

| Ø | A | T | B | G | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 10 | 20 | 22.2 | | | 12500 | 10 | **2008-631 151** | | | | | |
| 125 | 12 | 27 | 22.2 | | | 12500 | 8 | **2118-631 151** | | | | | |

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, KNOTTED WIRE

115-180

**SUPERIOR** ★★★★☆

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

Alternating left/right knotting ensures

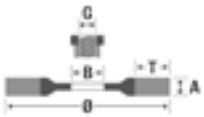
- low-vibration and quiet operation
- prolonged life and high removal rate
- “untwisting” of the knots during use is minimised
- reduced kick-back
- TÜV-Süd certified (safety tested, production monitored)

**Applications:** Deburring, 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 115 | 12 | 23 | 22.2 | 12500 | 10 | 1202-631 131 | | 1202-631 151 | | | |
| 125 | 13 | 28 | 22.2 | 12500 | 8 | **1212-631 131** | | **1212-631 151** | | | |
| 178 | 13 | 42 | 22.2 | 12500 | 6 | 1202-653 131 | | 1202-653 151 | | | |

### WHEEL BRUSHES

Appearance can vary from picture depending on variant.




115-180

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

| | | | | | | | | Osborn steel / 0.35 | | Osborn steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 13 | 17 | 1/2" | | F | 20000 | 12 | **9906-026 011** | | | | | |
| 100 | 13 | 22 | 5/8" | | F | 18000 | 12 | 9906-026 116 | | **9906-026 117** | | | |
| 115 | 6 | 19 | 7/8" | | F | 12500 | 12 | | | **2906-026 501** | | | |
| 125 | 6 | 24 | 7/8" | | F | 12500 | 12 | 0002-626 311 | | **0002-626 251** | | | |
| 150 | 6 | 38 | 7/8" | | F | 12000 | 12 | | | **9906-026 501** | | | |
| 150 | 25 | 38 | 7/8" | | F | 12000 | 12 | **9906-026 247** | | | | | |
| 150 | 6 | 38 | | M14x2.0 | | 12000 | 10 | | | 9906-026 500 | | | |
| 165 | 6 | 29 | 7/8" | | F | 10000 | 12 | | | **0002-626 061** | | | |
| 171 | 6 | 29 | 7/8" | | F | 12000 | 12 | | | **9706-026 904** | | | |
| 178 | 6 | 38 | 22.2 | | F | 12000 | 12 | | | **9906-026 051** | | | |

| | | | | | | | | INOX Osborn / 0.50 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 115 | 6 | 19 | 7/8" | | F | 12500 | 12 | **0002-626 650** | | | | | |
| 125 | 6 | 24 | 7/8" | | F | 12500 | 12 | **0002-626 651** | | | | | |

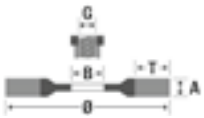
+

### TREATMENT OF WELD SEAMS WHEN DO I USE WHAT?

Our practical welding matrix shows you the right tool for every application. Use the following link to order the welding matrix as a free poster.

http://weldcleaning.osborn.com

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, KNOTTED OSBORN WIRE, PLASTIC-BONDED

125-180

**EVOLUTION** ★★★★★

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

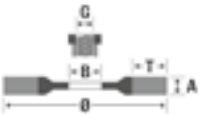
- Reduced wire breakage due to plastic bonding
- Very long service life
- More aggressive cleaning effect than conventional wheel brushes

**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 / 0.35 | | Osborn steel / 0.50 * | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 115 | 6 | 19 | 22.2 | 12000 | 10 | **5402-921 873** | | | | | |
| 125 | 6 | 24 | 22.2 | 12000 | 1 | **9802-921 873** | | 9812-921 873 | | | |
| 178 | 6 | 38 | 22.2 | 8500 | 1 | 9802-921 875 | | 9812-921 875 | | | |

* Pointed. For other parts, straight.

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, CRIMPED WIRE, PLASTIC-BONDED

150-180

**EVOLUTION** ★★★★★

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

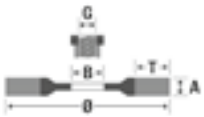
- Particularly narrow design for tight joints
- Precision working
- Reduced wire breakage due to plastic bonding
- Lower applied force, lower contact pressure

**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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 125 | 6 | 32.5 | | M14x2.0 | 12000 | 1 | 4102-921 051 | | | | | |
| 150 | 5 | 29 | 22.2 | | 8500 | 12 | **0002-921 874** | | | | | |
| 178 | 5 | 41 | 22.2 | | 8500 | 12 | **0002-921 875** | | | | | |
| 178 | 3 | 41 | 22.2 | | 8000 | 1 | 7702-921 875 | | | | | |

### WHEEL BRUSHES

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, CRIMPED WIRE

115

**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)

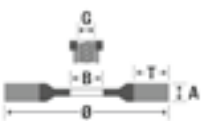
**Applications:** Excellently suited to texturing wood. The natural grain of the wood is emphasized and an antique or rustic effect is created. The filaments of the brush ream the softer places of the wood more than the hard ones. So they expose the wood grain and leave a sort of relief surface (see 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 115 | 12 | 28 | M14x2.0 | 12500 | 6 | **2812-522 051** | | | | | |

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, ABRASIVE TRIM

150-180

**SUPERIOR** ★★★★☆

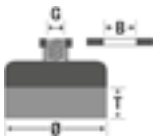
Wheel brush for woodworking, with abrasive trim

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

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

| | | | | | | Novofil / 46 | | Novofil / 60 | | Novofil / 80 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 140 | 55 | 30 | M14 | 4500 | 6 | **5421-401 913** | | **5411-401 913** | | **5401-401 913** | |

Appearance can vary from picture depending on variant.



## CUP BRUSHES, KNOTTED WIRE

115-125

**SUPERIOR** ★★★★☆

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

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

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

\+ Available in practical box packaging with Euro-standard hole.

| | | | | | | Steel / 0.35 | | Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 65 | 20 | 16 | | 12500 | 10 | **1602-608 131** | | 1602-608 151 | | | |
| 65 | 20 | | M10x1.25 | 12500 | 10 | 2352-608 131 | | 2352-608 151 | | | |
| 65 | 20 | | M10x1.5 | 12500 | 10 | 0102-608 131 | | **0102-608 151** | | | |
| 65 | 20 | | M14x2.0 | 12500 | 10 | **0002-608 131** | | **0002-608 151** | | | |
| 65 | 30 | | M14x2.0 | 12500 | 10 | **3892-608 131** ** | | | | | |

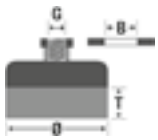
** Extra long trim

| | | | | | | INOX / 0.35 | | INOX / 0.50 | | INOX / 0.50 / 1.4401 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 65 | 20 | 16 | | 12500 | 6 | 1602-608 331 | | | | | |
| 65 | 20 | | M10x1.25 | 12500 | 6 | 2352-608 331 | | 2352-608 351 | | | |
| 65 | 20 | | M10x1.5 | 12500 | 6 | 0102-608 331 | | 0102-608 351 | | | |
| 65 | 20 | | M14x2.0 | 12500 | 6 | **0002-608 331** | | **0002-608 351** | | 0442-608 351 * | |

* TÜV certification planned.

### CUP BRUSHES

Appearance can vary from picture depending on variant.




## CUP BRUSHES, KNOTTED WIRE

125-230

**SUPERIOR** ★★★★☆

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

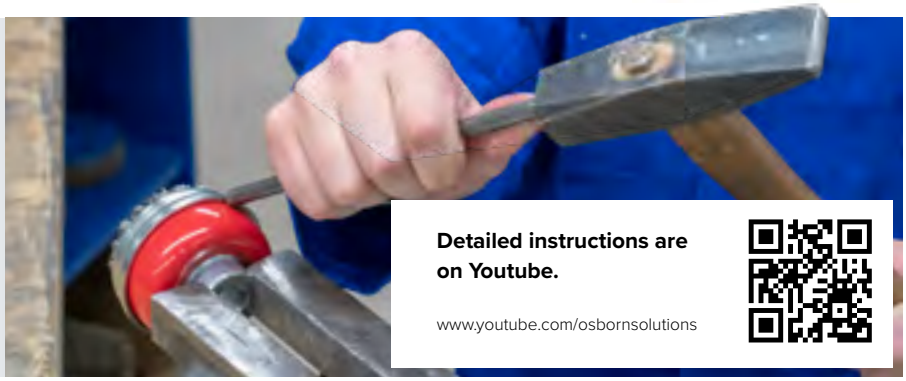
- Long life, low set-up costs / short set-up times
- Impressive cleaning effect
- Solution of choice for cleaning large surfaces
- Additional stabilisation of the trim by the support ring
- TÜV-Süd certified (safety tested, production monitored)

**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 trim material. After the free trim has worn down, the support ring can be removed, enabling to continue work with the trim material available.



**Detailed instructions are on Youtube.**

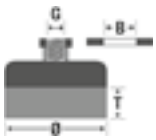
www.youtube.com/osbornsolutions

| | | | | | Steel / 0.35 | | Steel / 0.50 | | Steel / 0.80 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 20 | M14x2.0 | 11000 | 10 | 9908-608 132 | | 9908-608 152 | | | |
| 75 | 20 | 5/8" | 11000 | 10 | 9918-608 132 | | 9918-608 152 | | | |
| 80 | 20 | 5/8" | 8500 | 6 | 0802-608 133 | | 0802-608 153 | | 0802-608 183 | |
| 80 | 20 | M14x2.0 | 8500 | 6 | **0002-608 133** | | **0002-608 153** | | **0002-608 183** | |
| 100 | 20 | M14x2.0 | 8500 | 3 | **0002-608 134** | | **0002-608 154** | | **0002-608 184** | |
| 100 | 20 | 5/8" | 8500 | 3 | 0802-608 134 | | 0802-608 154 | | 0802-608 184 | |
| 120 | 20 | M14x2.0 | 6500 | 4 | **0002-608 135** | | **0002-608 155** | | **0002-608 185** | |
| 120 | 20 | 5/8" | 6500 | 4 | 0802-608 135 | | 0802-608 155 | | 0802-608 185 | |

| | | | | | INOX / 0.35 | | INOX / 0.50 | | INOX / 0.50 / 1.4401 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 80 | 20 | M14x2.0 | 8500 | 3 | 0002-608 333 | | **0002-608 353** | | 0442-608 353 * | |
| 100 | 20 | M14x2.0 | 8500 | 3 | 0002-608 334 | | **0002-608 354** | | 0442-608 354 * | |

* TÜV certification planned.

Appearance can vary from picture depending on variant.



## CUP BRUSHES, KNOTTED WIRE

180-230

### EVOLUTION ★★★★★

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

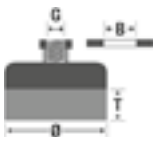
- High-performance wire developed by Osborn
- Particularly cost-effective
- Long life, high tensile strength, high breaking strain and short set-up times
- Special feature: individual knot ends are slightly open, so that the wire tips are in use immediately and directly
- Higher removal rate, aggressive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

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

| | | | | | Osborn steel / 0.50 | | Osborn steel / 0.80 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 90 | 32 | M14x2.0 | 7500 | 6 | **9906-033 125** | | | | | |
| 90 | 32 | 5/8" | 7500 | 6 | 9906-033 126 | | | | | |
| 150 | 45 | 5/8" | 6000 | 1 | | | 9906-033 021 | | | |
| 150 | 45 | 5/8" | 6000 | 1 | **9906-033 030** * | | | | | |
| 150 | 45 | M14x2.0 | 6000 | 1 | 9906-033 031 * | | | | | |

* Two rows

Appearance can vary from picture depending on variant.



## CUP BRUSHES, KNOTTED WIRE

150-230

### 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

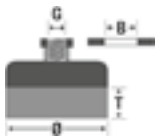
**Applications:** Paint/rust removal, removal of slag

\+ Available in practical PET packaging with Euro-standard hole.

| | | | | | Steel / 0.35 | | Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 65 | 20 | M14x2.0 | 12500 | 10 | **2008-608 131** | | **2008-608 151** | | | |
| 75 | 27 | M14x2.0 | 11000 | 10 | | | 2008-608 152 | | | |
| 80 | 22 | M14x2.0 | 8500 | 10 | | | **2008-608 153** | | | |
| 100 | 22 | M14x2.0 | 8500 | 5 | | | **2008-608 154** | | | |

### CUP BRUSHES

Appearance can vary from picture depending on variant.




## CUP BRUSHES, CRIMPED WIRE

115-125

**SUPERIOR** ★★★★☆

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

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

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

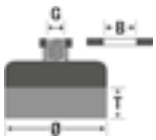
\+ Available in practical box packaging with Euro-standard hole.

| | | | | | | ■ Steel / 0.20 ■ | | ■ Steel / 0.30 ■ | | ■ INOX / 0.30 ■ | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 60 | 21 | 16 | | 12500 | 10 | | | 1602-613 161 | | | |
| 60 | 21 | 16 | | 12500 | 4 | | | | | 1602-613 361 | |
| 60 | 21 | | M10x1.25 | 12500 | 10 | 5262-613 141 | | | | | |
| 60 | 21 | | M10x1.5 | 12500 | 10 | 0102-613 141 | | 0102-613 161 | | | |
| 60 | 21 | | M14x2.0 | 12500 | 10 | **0002-613 141** | | **0002-613 161** | | | |
| 60 | 21 | | M14x2.0 | 12500 | 4 | | | | | **0002-613 361** | |
| 75 | 23 | 16 | | 12500 | 10 | 1602-613 142 | | 1602-613 162 | | | |
| 75 | 23 | 16 | | 12500 | 3 | | | | | 1602-613 362 | |
| 75 | 23 | | M10x1.25 | 12500 | 10 | 5652-613 142 | | 5652-613 162 | | | |
| 75 | 23 | | M10x1.5 | 12500 | 10 | 0102-613 142 | | 0102-613 162 | | | |
| 75 | 23 | | M14x2.0 | 12500 | 10 | **0002-613 142** | | **0002-613 162** | | | |
| 75 | 23 | | M14x2.0 | 12500 | 4 | | | | | **0002-613 362** | |
| 75 | 23 | | 5.8" | 12500 | 10 | 0802-613 142 | | 0802-613 162 | | | |
| 75 | 23 | | 5.8" | 12500 | 4 | | | | | 0802-613 362 | |

| | | | | | | ■ INOX / 0.30 / 1.4401 ■ | | ■ Brass wire / 0.30 ■ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 60 | 21 | | M10x1.25 | 12500 | 10 | | | 4912-613 561 * | | | |
| 60 | 21 | | M14x2.0 | 12500 | 4 | 0442-613 361 * | | | | | |
| 60 | 21 | | M14x2.0 | 12500 | 10 | | | 4902-613 561 * | | | |
| 75 | 25 | | M14x2.0 | 12500 | 4 | 0442-613 362 * | | | | | |
| 75 | 25 | | M14x2.0 | 12500 | 10 | | | 4902-613 562 * | | | |

* TÜV certification planned.

Appearance can vary from picture depending on variant.




## CUP BRUSHES, CRIMPED WIRE

150-230

**SUPERIOR** ★★★★☆

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

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

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

\+ Available in practical box packaging with Euro-standard hole.

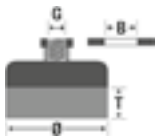
| | | | | | Steel / 0.20 | | Steel / 0.30 | | Steel / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 80 | 30 | M14x2.0 | 8500 | 5 | **0002-613 143** | | **0002-613 163** | | | |
| 80 | 25 | 5/8" | 8500 | 5 | 0802-613 143 | | 0802-613 163 | | | |
| 80 | 25 | M14x2.0 | 8500 | 5 | | | | | **0002-613 193** | |
| 100 | 30 | M14x2.0 | 8500 | 3 | 0002-613 144 | | | | **0002-613 194** | |
| 100 | 30 | M14x2.0 | 8500 | 4 | | | **0002-613 164** | | | |
| 100 | 30 | 5/8" | 8500 | 3 | 0802-613 144 | | 0802-613 164 | | 0802-613 194 | |
| 125 | 30 | M14x2.0 | 6500 | 4 | 0002-613 145 | | **0002-613 165** | | **0002-613 195** | |
| 125 | 30 | 5/8" | 6500 | 4 | | | 0802-613 165 | | 0802-613 195 | |
| 150 | 40 | M14x2.0 | 6500 | 3 | 0002-613 146 | | **0002-613 166** | | **0002-613 196** | |
| 150 | 40 | 5/8" | 6500 | 3 | 0802-613 146 | | 0802-613 166 | | 0802-613 196 | |

| | | | | | INOX / 0.30 | | INOX / 0.30 / 1.4401 | | Brass wire / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 80 | 25 | M14x2.0 | 8500 | 4 | **0002-613 363** | | 0442-613 363 * | | | |
| 80 | 25 | M14x2.0 | 8500 | 5 | | | | | 4902-613 563 * | |
| 80 | 25 | 5/8" | 8500 | 4 | 0802-613 363 | | | | | |
| 100 | 25 | M14x2.0 | 8500 | 3 | **0002-613 364** | | 0442-613 364 * | | | |
| 100 | 30 | 5/8" | 8500 | 3 | 0802-613 364 | | | | | |
| 125 | 30 | 5/8" | 6500 | 2 | 0802-613 365 | | | | | |
| 125 | 30 | M14x2.0 | 6500 | 2 | **0002-613 365** | | 0442-613 365 * | | | |

* TÜV certification planned.

### CUP BRUSHES

Appearance can vary from picture depending on variant.




## CUP BRUSHES, CRIMPED WIRE

150-180

**PERFECT** ★★★☆☆

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

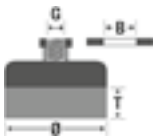
- Osborn bestseller in the DIY sector
- Flexible trim material that adapts perfectly to the workpiece contour
- Good cleaning performance
- Best price/performance ratio

**Applications:** Paint stripping and rust removal from surfaces

\+ Available in practical PET packaging with Euro-standard hole.

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

Appearance can vary from picture depending on variant.




115-230

# LONGLIFE CUP BRUSHES, CRIMPED WIRE

## EVOLUTION ★★★★★

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

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

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

+ Available in practical box packaging with Euro-standard hole.

■ Steel / Longlife / 0.30 ■

| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | M14x2.0 | 12500 | 10 | **3902-613 161** | | | | | |
| 75 | | M14x2.0 | 12500 | 10 | **3912-613 163** | | | | | |
| 80 | | M14x2.0 | 12500 | 5 | **3902-613 163** | | | | | |
| 100 | | M14x2.0 | 8500 | 4 | **3902-613 164** | | | | | |

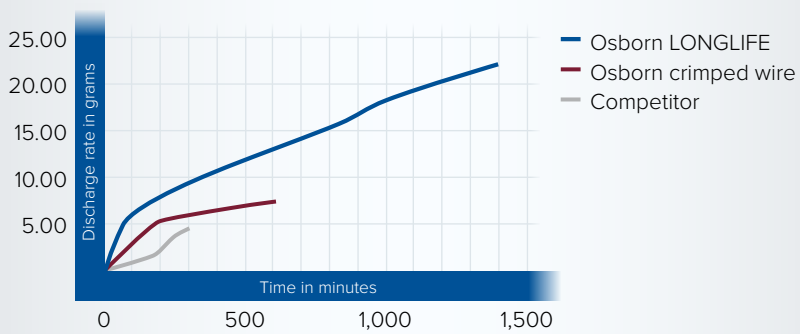
+ **LONGLIFE**

Test results of Osborn LONGLIFE compared to a competitor.

YouTube

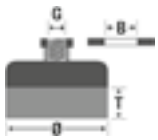
+ **Removal rate**

Test results of Osborn LONGLIFE compared to a competitor.



### CUP BRUSHES

Appearance can vary from picture depending on variant.




150

## CUP BRUSHES, ABRASIVE TRIM

**SUPERIOR** ★★★★☆

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

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

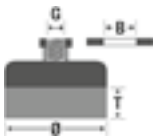
**Applications:** Paint removal, deburring and cleaning of metal and wooden surfaces

| | | | | | | Novofil / 80 | | Novofil / 120 | | Novofil / 180 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 25 | 22.2 | | 8500 | 3 | 8812-607 914 | | 2312-607 914 | | **1802-607 914** | |
| 100 | 25 | | M14x2.0 | 8500 | 3 | 6402-608 914 | | 6412-608 914 | | **1802-608 914** | |

**Cordless is king**

Brushes for cordless, battery-operated tools start on page 134

Appearance can vary from picture depending on variant.




150-180

# CUP BRUSHES, ABRASIVE TRIM

**SUPERIOR** ★★★★☆

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

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

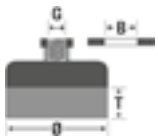
**Applications:** Particularly well suited for removing lacquer and stains, for cleaning, texturing, finshing and intermediate lacquer sanding

| | | | | | | Novofil / 46 | | Novofil / 60 | | Novofil / 80 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 130 | 70 | 50 | M14x2.0 | 2500 | 4 | **9301-614 916** | | **9311-614 916** | | **9321-614 916** | |

| | | | | | | Novofil / 120 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 130 | 70 | 50 | M14x2.0 | 2500 | 4 | **9331-614 916** | | | | | |

### CUP BRUSHES

Appearance can vary from picture depending on variant.




## CUP BRUSHES, ABRASIVE TRIM

115-125

**SUPERIOR** ★★★★☆

Knotted cup brush with abrasive trim material, industrial quality, for use on angle grinders

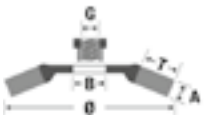
- Long service life
- Low set-up costs / short set-up times
- For effortless and efficient working

**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** | **Max. RPM** | | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** |
| 150 | 25 | M14x2.0 | 8500 | 2 | 7902-613 196 | | 7922-613 196 | | 7932-613 196 | | 7942-613 196 | |

Appearance can vary from picture depending on variant.



115-125

# BEVEL BRUSHES, KNOTTED WIRE

## SUPERIOR ★★★★☆

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

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

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

\+ Available in practical box packaging with Euro-standard hole.

| | | | | | | | 18 knots Steel / 0.35 | | 18 knots Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 13 | 22 | 16 | | 12500 | 10 | | | 1602-622 151 | | | |
| 100 | 13 | 22 | | M10x1.25 | 12500 | 10 | 4802-622 131 * | | 2352-622 151 | | | |
| 100 | 13 | 22 | | M10x1.5 | 12500 | 10 | 0102-622 131 | | **0102-622 151** | | | |
| 100 | 13 | 22 | | M14x2.0 | 12500 | 10 | **0002-622 131** | | **0002-622 151** | | | |
| 115 | 15 | 20 | 16 | | 12500 | 10 | | | 1602-632 151 | | | |
| 115 | 15 | 20 | | M14x2.0 | 12500 | 10 | **0002-632 131** | | **0002-632 151** | | | |
| 115 | 15 | 20 | | 5/8" | 12500 | 10 | 0802-632 131 | | 0802-632 151 | | | |
| 125 | 15 | 23 | | M14x2.0 | 12500 | 10 | 3602-632 131 | | **2902-632 151** | | | |

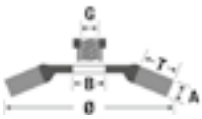
| | | | | | | | 22 knots Steel / 0.35 | | 22 knots Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 13 | 22 | | M14x2.0 | 12500 | 10 | 0002-623 131 | | 0002-623 151 | | | |

| | | | | | | | 18 knots INOX / 0.35 | | 18 knots INOX / 0.50 | | INOX 0.50 / 1.4401 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 13 | 22 | | M10x1.25 | 12500 | 5 | 4802-622 331 | | 2352-622 351 | | | |
| 100 | 13 | 22 | | M10x1.5 | 12500 | 5 | 0102-622 331 | | 0102-622 351 | | | |
| 100 | 13 | 22 | | M14x2.0 | 12500 | 5 | **0002-622 331** | | **0002-622 351** | | 0442-622 351 * | |
| 115 | 15 | 20 | | M14x2.0 | 12500 | 5 | **0002-632 331** | | **0002-632 351** | | 0442-632 351 * | |
| 115 | 15 | 20 | | 5/8" | 12500 | 5 | 0802-632 331 | | 0802-632 351 | | | |
| 125 | 15 | 23 | | M14x2.0 | 12500 | 10 | 3602-632 331 | | 3602-632 351 | | | |

* TÜV certification planned.

### BEVEL BRUSHES

Appearance can vary from picture depending on variant.




115-125

## 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

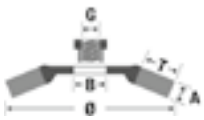
**Applications:** Rust removal, paint stripping, deburring

\+ Available in practical PET packaging with Euro-standard hole.

**Steel / 0.50**

| Ø | A | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 13 | 22 | | M14x2.0 | 12500 | 8 | **2008-622 151** | | | | | |

Appearance can vary from picture depending on variant.




# BEVEL BRUSHES, CRIMPED WIRE

115-125

**SUPERIOR** ★★★★☆

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

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

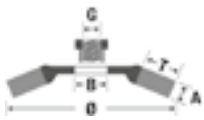
**Applications:** Rust removal, paint stripping, deburring, silicates

| | | | | | | Steel / 0.30 | | Brass-coated steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 20 | 20 | M10x1.25 | 12500 | 10 | 2352-512 162 | | | | | |
| 100 | 10 | 20 | M10x1.25 | 12500 | 10 | 2352-512 161 | | | | | |
| 100 | 20 | 20 | M10x1.5 | 12500 | 10 | 0102-512 162 | | | | | |
| 100 | 10 | 20 | M10x1.5 | 12500 | 10 | 0102-512 161 | | | | | |
| 100 | 20 | 20 | M14x2.0 | 12500 | 10 | **0002-512 162** | | 0002-512 062 | | | |
| 100 | 10 | 20 | M14x2.0 | 12500 | 10 | **0002-512 161** | | **0002-512 061** | | | |
| 125 | 10 | 25 | M14x2.0 | 12500 | 10 | 0002-514 161 | | | | | |

| | | | | | | INOX / 0.20 | | INOX / 0.30 | | INOX / 0.30 / 1.4401 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 20 | 20 | M10x1.25 | 12500 | 5 | 2352-512 342 | | 2352-512 362 | | | |
| 100 | 20 | 20 | M10x1.5 | 12500 | 5 | 0102-512 342 | | 0102-512 362 | | | |
| 100 | 20 | 20 | M14x2.0 | 12500 | 5 | **0002-512 342** | | **0002-512 362** | | | |
| 100 | 10 | 20 | M14x2.0 | 12500 | 5 | | | **0002-512 361** | | | |
| 125 | 10 | 25 | M14x2.0 | 12500 | 5 | | | **0002-514 361** | | 0442-514 361 | |

### BEVEL BRUSHES

Appearance can vary from picture depending on variant.




## BEVEL BRUSHES, CRIMPED WIRE

125

**PERFECT** ★★★☆☆

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

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

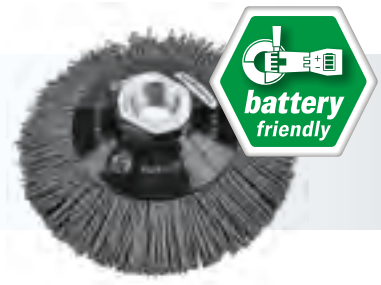
**Applications:** Edge rounding, paint/rust removal

\+ Available in practical PET packaging with Euro-standard hole.

| | | | | | | | Brass-coated steel / 0.30 | | Steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 10 | 20 | | M14x2.0 | 12500 | 10 | 2008-512 061 | | 2008-512 161 | | | |

\+ **Cordless is king**

Brushes for cordless, battery-operated tools start on page 134



# 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)

### POLISHING FLAP DISCS

## 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.

Icons valid for all POLIMAX 1-4

+ **POLIMAXX 4** - For the gloss polishing flapped disc for the angle grinder, refer to page 213

+ Also available as a kit in a practical assortment box for ideal presentation at the POS. See page 132

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

# 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 | | Form | Order no. | € per pcs | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 22.23 | 4 1/2 x 7/8 | 13280 | medium | 10 | | **5541 306 100** | | 563306 |
| 115 x 22.23 | 4 1/2 x 7/8 | 13280 | fine | 10 | | **5541 307 100** | | 563313 |
| 125 x 22.23 | 5 x 7/8 | 12200 | medium | 10 | | **5542 306 100** | | 563405 |
| 125 x 22.23 | 5 x 7/8 | 12200 | fine | 10 | | **5542 307 100** | | 563412 |

### COARSE CLEANING FLEECES

## 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 he 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.

DRONCO 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 tfibres 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 | | Form | Order no. | € per pcs | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 115 x 22.23 | 4 1/2 x 7/8 | 11000 | 10 | | **6700 001 100** | | 670059 |
| 125 x 22.23 | 5 x 7/8 | 10000 | 10 | | **6700 002 100** | | 670103 |
| 180 x 22.23 | 7 x 7/8 | 8500 | 10 | | **6700 003 100** | | 670158 |

## AUTOMOTIVE KIT

Kit of 15 professional tools for the day-to-day tasks in car workshops

**Applications:** Removal of rust, paint, protective undercoating, sealants, cleaning of weld seams, removal of slag, cutting of car body sheets

**Contains:**
- 1 x Osborn knotted wheel brush, Ø 115 mm for angle grinders
- 1 x Osborn knotted wheel brush, Ø 75 mm for power drills
- 1 x Dronco coarse cleaning fleece, Ø 125 mm for angle grinders
- 1 x Dronco clamp shaft, 6mm
- 1 x Dronco 1 mm cutting disc, Ø 125 mm for angle grinders
- 1 x Dronco 0.8 mm cutting disc, Ø 125 mm for angle grinders

| | | Order no. | RRP (€) |
|---|---|---|---|
| | 1 | **7302-600 001** | |

## 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 | | Form | Order no. | € per pcs | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| Promotional box | 115 / 125 mm | 4 1/2 / 5 | 1 | | **6700 012 100** | | |

## 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 | | Form | Order no. | € per pcs | 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 |

ACCESSORIES

## F-ADAPTER

For reducing bores.

| Inside Ø | Outside Ø | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|
| 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" | 1/2" | 1 | **0003-000 243** | | | | | |
| 7/8" | 5/8" | 1 | **0003-000 244** | | | | | |

## M10 ADAPTER, THREAD ADAPTER

Thread reduction from M14 to M10 x 1.5, galvanised

| Inside Ø | Outside Ø | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|
| M10 x 1.5 | M14 | 1 | 5725-314 010 | | | | | |

# 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 an 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 an 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 powertool 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 betweenrecharges 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.

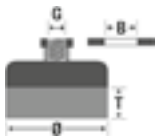
The end result will meet all your expectations and fulfill all aspects of work safety. This is the only way to work effectively and get the best out of your cordless power tool.

**Good to know**

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

### CUP BRUSHES FOR CORDLESS TOOLS

Appearance can vary from picture depending on variant.




## CUP BRUSHES, CRIMPED WIRE

115

**SUPERIOR** ★★★★☆

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

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

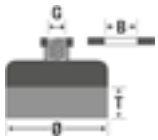
**Applications:** Cleaning, satin finishing, smoothing and texturing of different materials

\+ Available in practical PET packaging with Euro-standard hole.

**Brass / 0.30**

| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 21 | M14x2.0 | 12500 | 5 | **6912-613 561** | | | | | |

Appearance can vary from picture depending on variant.




## CUP BRUSHES, ABRASIVE TRIM

115

**SUPERIOR** ★★★★☆

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

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

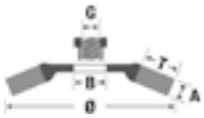
**Applications:** Cleaning, satin finishing, smoothing and texturing of different materials

\+ Available in practical PET packaging with Euro-standard hole.

**Abr. bristle / grit 46**

| Ø | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 21 | M14x2.0 | 12500 | 5 | **6912-613 891** | | | | | |

Appearance can vary from picture depending on variant.




115

# BEVEL BRUSHES, ABRASIVE TRIM

## SUPERIOR ★★★★☆

**Bevel brush with abrasive trim 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.

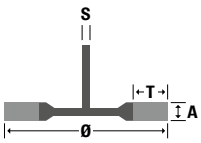
**Abr. bristle / grit 46**

| Ø | A | T | G | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 10 | 20 | M14x2.0 | 12500 | 5 | **6912-622 891** | | | | | |

# MACHINE BRUSHES FOR POWER DRILLS


| | |
|---|---|
| WHEEL BRUSHES | 138 |
| CUP BRUSHES | 145 |
| END BRUSHES | 149 |
| FLAP WHEEL BRUSHES | 154 |
| KITS | 156 |
| ACCESSORIES | 158 |

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, KNOTTED WIRE

## SUPERIOR ★★★★☆

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

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

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

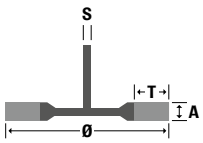
| | | | | | | Steel / 0.35 | | Steel / 0.50 | | INOX / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 18 | 6 | 20000 | 12 | **0202-611 131** | | **0202-611 151** | | **0202-611 351** | |

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

| | | | | | | Steel / 0.50 | | INOX / 0.50 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 18 | 6 | 20000 | 8 | **7202-611 151** | | **7012-611 351** | | | |

### WHEEL BRUSHES

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 trim 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

| | | | | | | Steel / 0.15 | | Steel / 0.20 | | Steel / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 20 | 6 | 4 | 6 | 20000 | 10 | 0002-501 132 | | **0002-501 142** | | | |
| 20 | 9 | 4 | 6 | 20000 | 10 | | | **0002-501 143** | | | |
| 30 | 6 | 6 | 6 | 20000 | 10 | | | **0002-502 141** | | | |
| 30 | 9 | 6 | 6 | 20000 | 10 | 0002-502 132 | | **0002-502 142** | | | |
| 30 | 12 | 6 | 6 | 20000 | 10 | | | **0002-502 143** | | | |
| 40 | 11 | 10 | 6 | 18000 | 10 | 0002-503 132 | | **0002-503 142** | | | |
| 40 | 16 | 10 | 6 | 18000 | 10 | | | **0002-503 143** | | | |
| 50 | 10 | 13 | 6 | 15000 | 10 | | | **0002-504 141** | | **0002-504 161** | |
| 50 | 17 | 13 | 6 | 15000 | 10 | 0002-504 132 | | **0002-504 142** | | **0002-504 162** | |
| 50 | 23 | 13 | 6 | 15000 | 10 | | | **0002-504 143** | | **0002-504 163** | |
| 60 | 12 | 15 | 6 | 15000 | 10 | | | **0002-505 141** | | **0002-505 161** | |
| 60 | 18 | 15 | 6 | 15000 | 10 | 0002-505 132 | | **0002-505 142** | | **0002-505 162** | |
| 70 | 11 | 15 | 6 | 15000 | 10 | | | **0002-506 141** | | **0002-506 161** | |
| 70 | 18 | 15 | 6 | 15000 | 10 | 0002-506 132 | | **0002-506 142** | | **0002-506 162** | |
| 80 | 19 | 20 | 6 | 15000 | 10 | | | **0002-507 142** | | **0002-507 162** | |


**More variants on the following page**

## WHEEL BRUSHES

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

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

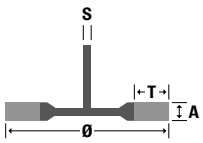
+ Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.

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

| | | | | | | Brass / 0.20 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 60 | 18 | 15 | 6 | 15000 | 6 | **7002-505 542** | | | | | |

### WHEEL BRUSHES

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, CRIMPED WIRE

**PERFECT** ★★★☆☆

Crimped wheel brush, craftsman quality, for power drills

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

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

**Good to know**

This brush is also available as a practical kit.
More information is on page 156.

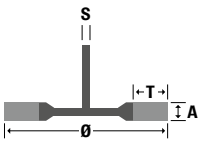
| | | | | | | Steel / 0.20 | | Steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 50 | 7 | 10 | 6 | 4500 | 20 | **0003-600 211** | | **0008-600 221** | | | |
| 63 | 9 | 13 | 6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

| | | | | | | INOX / 0.20 | | INOX / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 50 | 7 | 10 | 6 | 4500 | 20 | **0088-600 221** | | | | | |
| 75 | 10 | 16 | 6 | 4500 | 10 | | | **0008-600 432** | | | |
| 100 | 10 | 22 | 6 | 4500 | 10 | 0008-600 531 | | **0088-600 521** | | | |

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

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

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 35 | 20 | 8 | 4000 | 10 | **0908-507 061** | | | | | |

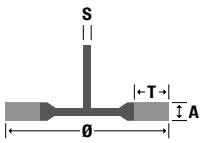
+ Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.

**Steel Cordwire / 0.25**

| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 35 | 20 | 8 | 4000 | 8 | **7003-507 061** | | | | | |

## WHEEL BRUSHES

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, CRIMPED WIRE, PLASTIC-BONDED

## EVOLUTION ★★★★★

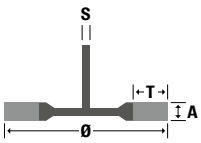
Plastic-bonded, crimped wheel brush, high-end quality, for use on power drills

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

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

| | | | | | | Brass-coated steel / 0.30 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 63 | 8 | 20 | 6 | 15000 | 12 | **0002-911 941** | | | | | |
| 76 | 8 | 26 | 6 | 15000 | 12 | **0002-911 951** | | | | | |

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, ABRASIVE TRIM

## PERFECT ★★★☆☆

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

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

**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 kit.
More information is on page 157.

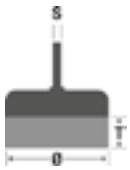
| | | | | | | Abr. bristle / 80 / red | | Abr. bristle / 180 / blue | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 10 | 16 | 6 | 4500 | 10 | **0802-600 491** | | **0182-600 491** |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

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

| | | | | | | Abr. bristle / 80 / red | | Abr. bristle / 180 / blue | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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

Appearance can vary from picture depending on variant.




## CUP BRUSHES, KNOTTED WIRE

**SUPERIOR** ★★★★☆

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

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

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

**Steel / 0.50**

| Ø | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 23 | 6 | 6000 | 10 | **1004-608 151** | | | | | |

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

**Steel / 0.50**

| Ø | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 23 | 6 | 6000 | 8 | **7004-608 151** | | | | | |

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 kit.
More information is on page 156.

| | | | | | Steel / 0.20 | | Steel / 0.30 | | Brass / 0.20 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | S | Max. RPM | | | | | | | |
| 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 | |

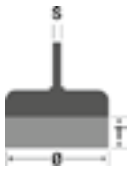
| | | | | | INOX / 0.30 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 50 | 17 | 6 | 4500 | 20 | **0008-600 832** | | | | | |
| 75 | 20 | 6 | 4500 | 10 | **0008-600 361** | | | | | |

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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

Appearance can vary from picture depending on variant.




## CUP BRUSHES, CRIMPED WIRE, PLASTIC-BONDED
### EVOLUTION ★★★★★

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

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

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

■ Brass-coated steel / 0.30 ■

| Ø | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 15 | 6 | 15000 | 12 | **0002-930 821** | | | | | |

Appearance can vary from picture depending on variant.

# CUP BRUSHES, ABRASIVE TRIM

## PERFECT ★★★☆☆

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

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

**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 kit.
More information is on page 157.

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

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

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

### 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 and power drills

- Flexible trim 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 spreads out, 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 40 | 6 | 20000 | 12 | **0003-509 141** | | **0003-509 161** | | **0003-509 191** | |
| 17 | 25 | 45 | 6 | 18000 | 12 | **0002-509 142** | | **0002-509 162** | | **0002-509 192** | |
| 25 | 25 | 50 | 6 | 18000 | 12 | **0002-509 143** | | **0002-509 163** | | **0002-509 193** | |
| 30 | 25 | 45 | 6 | 15000 | 12 | **0002-509 144** | | **0002-509 164** | | **0002-509 194** | |

| | | | | | | INOX / 0.20 | | INOX / 0.30 | | Brass / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 40 | 6 | 20000 | 12 | **0003-509 341** | | **0003-509 361** | | **0003-509 561** | |
| 17 | 25 | 45 | 6 | 18000 | 12 | **0002-509 342** | | **0002-509 362** | | **0002-509 562** | |
| 25 | 25 | 50 | 6 | 18000 | 12 | **0002-509 343** | | **0002-509 363** | | **0002-509 563** | |
| 30 | 25 | 45 | 6 | 15000 | 12 | 0002-509 344 | | **0002-509 364** | | **0002-509 564** | |

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, edge rounding, deburring, internal finishing

**Good to know**

This brush is also available as a practical kit.
More information is on page 156.

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

## END BRUSHES

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
- Reduced wire breakage due to plastic bonding
- 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 24 | 16 | 43 | 6 | 15000 | 12 | **0002-930 902** | | | | | |
| 24 | 23 | 23 | 43 | 6 | 15000 | 12 | **0002-930 907** | | | | | |
| 31 | 23 | 29 | 43 | 6 | 15000 | 12 | **0002-930 912** | | | | | |

Appearance can vary from picture depending on variant.

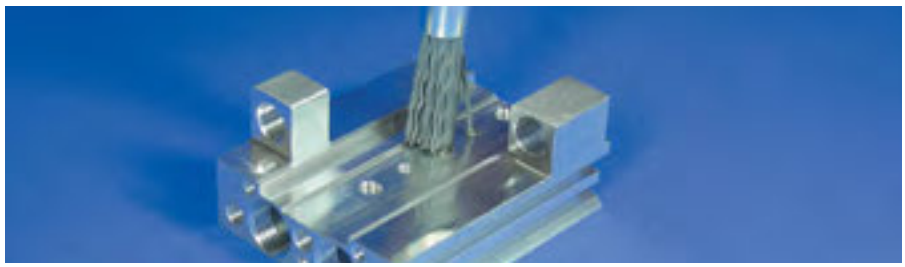
# END BRUSHES, ABRASIVE TRIM

## SUPERIOR ★★★★☆

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

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

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



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

### END BRUSHES

Appearance can vary from picture depending on variant.

## END BRUSHES, ABRASIVE TRIM

**PERFECT** ★★★☆☆

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

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

**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**

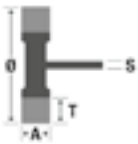
This brush is also available in a practical brush kit.
More information is on page 157.

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

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

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

Appearance can vary from picture depending on variant.




# FLAP WHEEL BRUSHES, CRIMPED WIRE

## PERFECT ★★★☆☆

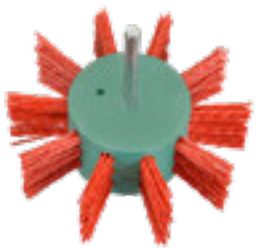
Flap wheel brush with crimped wire, craftsman quality, for power drills

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

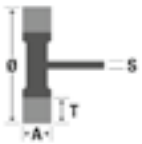
**Applications:** Paint stripping, rust removal, deburring, descaling, smoothing and cleaning

| | | | | | | Steel / 0.30 | | Brass-coated steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 23 | 25 | 6 | 3500 | 5 | 0004-401 132 | | **0004-401 052** | | | |

## FLAP WHEEL BRUSHES



Appearance can vary from picture depending on variant.




# FLAP WHEEL BRUSHES, ABRASIVE/NATURAL TRIM

**PERFECT** ★★★☆☆

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

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

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

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

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

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

# KIT OF 5 DIY BRUSHES, CRIMPED WIRE

**PERFECT** ★★★☆☆

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

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

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

Steel / 0.30

| Brush type | Ø | min-1 | | Order no. | € per pcs |
|---|---|---|---|---|---|
| Wheel brush | 50 | | | | |
| Wheel brush | 75 | | | | |
| End brush | 25 | 4500 | 10 | **1418-600 005** | |
| Cup brush | 50 | | | | |
| Cup brush | 70 | | | | |

**Automotive kit**

Our special kit of 15 brushes for professionals for many of the day-to-day tasks in car workshops is on page 132

### KITS

## KIT OF 5 DIY BRUSHES, ABRASIVE TRIM

**PERFECT** ★★★☆☆

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

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

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

Abr. bristle / Grit 80

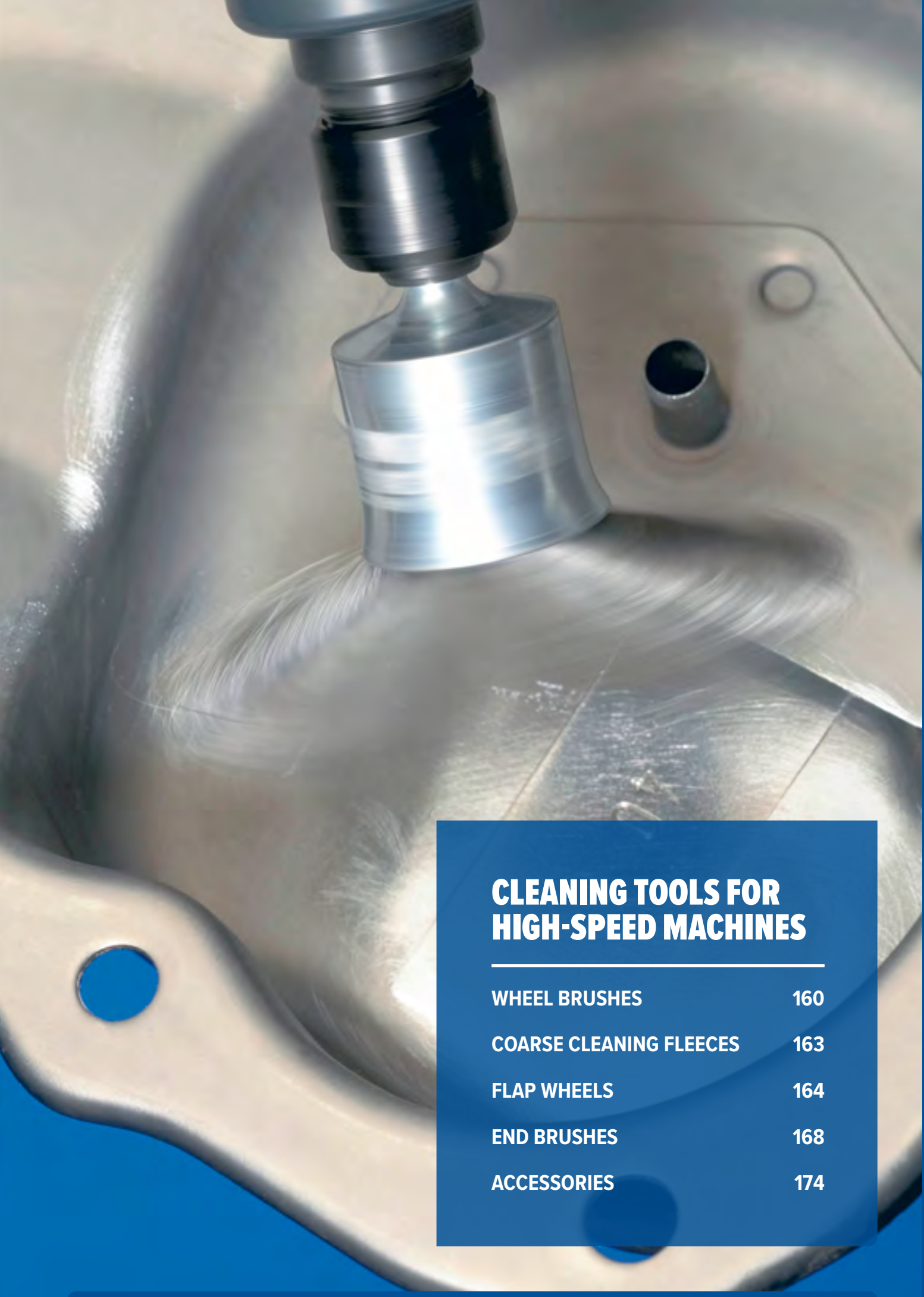
| Brush type | Ø | min-1 | | Order no. | € per pcs |
|---|---|---|---|---|---|
| Wheel brush | 50 | | | | |
| Wheel brush | 75 | | | | |
| End brush | 25 | 4500 | 10 | **1518-600 005** | |
| Cup brush | 50 | | | | |
| Cup brush | 75 | | | | |

Appearance can vary from picture depending on variant.

# DRIVE ARBOR, TYPE I

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

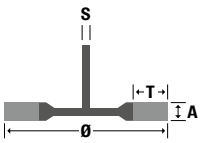
| Ø | Inches | F | S | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | | 20 | 6 | 1 | **0003-000 100** | | | | | |
| 13 | | 20 | 6 | 1 | **0003-000 130** | | | | | |
| 12.7 | 1/2” | 20 | 6 | 1 | **0004-000 127** | | | | | |



# CLEANING TOOLS FOR HIGH-SPEED MACHINES


| | |
|---|---|
| WHEEL BRUSHES | 160 |
| COARSE CLEANING FLEECES | 163 |
| FLAP WHEELS | 164 |
| END BRUSHES | 168 |
| ACCESSORIES | 174 |

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, KNOTTED WIRE

## SUPERIOR ★★★★☆

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

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

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

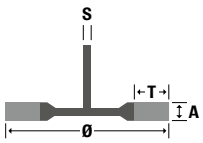
| | | | | | | Steel / 0.35 | | Steel / 0.50 | | INOX / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 18 | 6 | 20000 | 12 | **0202-611 131** | | **0202-611 151** | | **0202-611 351** | |

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

| | | | | | | Steel / 0.50 | | INOX / 0.50 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 18 | 6 | 20000 | 8 | **7202-611 151** | | **7012-611 351** | | | |

WHEEL BRUSHES

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 trim 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

| | | | | | | Steel / 0.15 | | Steel / 0.20 | | Steel / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 20 | 6 | 4 | 6 | 20000 | 10 | 0002-501 132 | | **0002-501 142** | | | |
| 20 | 9 | 4 | 6 | 20000 | 10 | | | **0002-501 143** | | | |
| 30 | 6 | 6 | 6 | 20000 | 10 | | | **0002-502 141** | | | |
| 30 | 9 | 6 | 6 | 20000 | 10 | 0002-502 132 | | **0002-502 142** | | | |
| 30 | 12 | 6 | 6 | 20000 | 10 | | | **0002-502 143** | | | |
| 40 | 11 | 10 | 6 | 18000 | 10 | 0002-503 132 | | **0002-503 142** | | | |
| 40 | 16 | 10 | 6 | 18000 | 10 | | | **0002-503 143** | | | |
| 50 | 10 | 13 | 6 | 15000 | 10 | | | **0002-504 141** | | **0002-504 161** | |
| 50 | 17 | 13 | 6 | 15000 | 10 | 0002-504 132 | | **0002-504 142** | | **0002-504 162** | |
| 50 | 23 | 13 | 6 | 15000 | 10 | | | **0002-504 143** | | **0002-504 163** | |
| 60 | 12 | 15 | 6 | 15000 | 10 | | | **0002-505 141** | | **0002-505 161** | |
| 60 | 18 | 15 | 6 | 15000 | 10 | 0002-505 132 | | **0002-505 142** | | **0002-505 162** | |
| 70 | 11 | 15 | 6 | 15000 | 10 | | | **0002-506 141** | | **0002-506 161** | |
| 70 | 18 | 15 | 6 | 15000 | 10 | 0002-506 132 | | **0002-506 142** | | **0002-506 162** | |
| 80 | 19 | 20 | 6 | 15000 | 10 | | | **0002-507 142** | | **0002-507 162** | |

+ More variants on the following page

## WHEEL BRUSHES

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

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

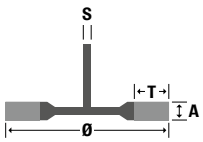
+ Also available on a practical display card with Euro-standard hole for ideal presentation at the POS.

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

| | | | | | | Brass / 0.20 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 60 | 18 | 15 | 6 | 15000 | 6 | **7002-505 542** | | | | | |

### WHEEL BRUSHES

Appearance can vary from picture depending on variant.




## WHEEL BRUSHES, ABRASIVE TRIM

**EVOLUTION** ★★★★★

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

- Also suitable for non-ferrous metals and synthetics
- The 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 38 | 10 | 6 | 1/2" | 20000 | 12 | **9906-011 146** | | **9906-011 147** | | **9906-011 148** | |
| 50 | 10 | 11 | 5/8" | 15000 | 12 | **9906-011 149** | | **9906-011 150** | | **9906-011 151** | |
| 63 | 13 | 17 | 5/8" | 15000 | 12 | **9906-011 153** | | **9906-011 154** | | **9906-011 155** | |

| | | | | | | Grit 120 | | Grit 180 | | Grit 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 38 | 10 | 6 | 6 | 20000 | 10 | **9906-011 446** | | **9906-011 447** | | **9906-011 448** | |
| 50 | 10 | 11 | 6 | 15000 | 10 | **9906-011 449** | | **9906-011 450** | | **9906-011 451** | |
| 63 | 13 | 17 | 6 | 15000 | 10 | **9906-011 453** | | **9906-011 454** | | **9906-011 455** | |

### COARSE CLEANING FLEECES

## COARSE CLEANING FLEECES FOR ANGLED AND STRAIGHT GRINDERS

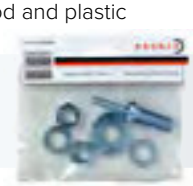
**SUPERIOR** ★★★★☆

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

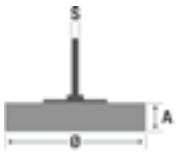
Applications: General-purpose use for metals, stainless steel, wood and plastic


+ To find the tensioning shaft for the coarse cleaning fleece, refer to page 174

| Ø in mm | Ø in inches | RPM | | Order no. | € per pcs | 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

| | | | | | Abr. bristle / Grit 40 | | Abr. bristle / Grit 60 | | Abr. bristle / Grit 80 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 | 15 | 6 | 19100 | 10 | 0043-004 015 | | 0063-004 015 | | 0083-004 015 | |
| 40 | 20 | 6 | 19100 | 10 | **0043-004 020** | | **0063-004 020** | | **0083-004 020** | |
| 40 | 30 | 6 | 17000 | 10 | 0063-004 030 | | 0083-004 030 | | 0123-004 030 | |
| 50 | 15 | 6 | 15200 | 10 | 0043-005 015 | | 0063-005 015 | | 0083-005 015 | |
| 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** | |
| 60 | 50 | 6 | 12700 | 10 | 0043-006 050 | | 0063-006 050 | | 0083-006 050 | |
| 80 | 30 | 6 | 8900 | 10 | 0043-008 030 | | 0063-008 030 | | 0083-008 030 | |
| 80 | 40 | 6 | 8900 | 10 | 0043-008 040 | | 0063-008 040 | | 0083-008 040 | |
| 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** | **Max. RPM** | | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** |
| 30 | 10 | 6 | 25400 | 10 | 0123-003 010 | | 0153-003 010 | | 0183-003 010 | |
| 30 | 15 | 6 | 25400 | 10 | **0123-003 015** | | **0153-003 015** | | **0183-003 015** | |
| 40 | 15 | 6 | 19100 | 10 | 0123-004 015 | | 0153-004 015 | | 0183-004 015 | |
| 40 | 20 | 6 | 19100 | 10 | **0123-004 020** | | **0153-004 020** | | **0183-004 020** | |
| 50 | 15 | 6 | 15200 | 10 | 0123-005 015 | | 0153-005 015 | | 0183-005 015 | |
| 50 | 20 | 6 | 15200 | 10 | **0123-005 020** | | **0153-005 020** | | **0183-005 020** | |
| 50 | 30 | 6 | 15200 | 10 | **0123-005 030** | | **0153-005 030** | | **0183-005 030** | |
| 60 | 20 | 6 | 12700 | 10 | **0123-006 020** | | **0153-006 020** | | 0183-006 020 | |
| 60 | 30 | 6 | 12700 | 10 | **0123-006 030** | | **0153-006 030** | | **0183-006 030** | |
| 60 | 40 | 6 | 12700 | 10 | **0123-006 040** | | **0153-006 040** | | **0183-006 040** | |
| 60 | 50 | 6 | 12700 | 10 | 0123-006 050 | | 0153-006 050 | | 0183-006 050 | |
| 80 | 30 | 6 | 8900 | 10 | 0123-008 030 | | 0153-008 030 | | 0183-008 030 | |
| 80 | 40 | 6 | 8900 | 10 | 0123-008 040 | | 0153-008 040 | | 0183-008 040 | |
| 80 | 50 | 6 | 8900 | 10 | 0123-008 050 | | 0153-008 050 | | 0183-008 050 | |

| | | | | | Abr. bristle / Grit 240 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ø** | **A** | **S** | **Max. RPM** | | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** | **Order no.** | **€ per pcs** |
| 30 | 10 | 6 | 25400 | 10 | 0243-003 010 | | | | | |
| 30 | 15 | 6 | 25400 | 10 | **0243-003 015** | | | | | |
| 40 | 15 | 6 | 19100 | 10 | 0243-004 015 | | | | | |
| 40 | 20 | 6 | 19100 | 10 | **0243-004 020** | | | | | |
| 50 | 15 | 6 | 15200 | 10 | 0243-005 015 | | | | | |
| 50 | 20 | 6 | 15200 | 10 | **0243-005 020** | | | | | |
| 50 | 30 | 6 | 15200 | 10 | **0243-005 030** | | | | | |
| 60 | 20 | 6 | 12700 | 10 | 0243-006 020 | | | | | |
| 60 | 30 | 6 | 12700 | 10 | **0243-006 030** | | | | | |
| 60 | 40 | 6 | 12700 | 10 | **0243-006 040** | | | | | |
| 60 | 50 | 6 | 12700 | 10 | 0243-006 050 | | | | | |
| 80 | 30 | 6 | 8900 | 10 | 0243-008 030 | | | | | |
| 80 | 40 | 6 | 8900 | 10 | 0243-008 040 | | | | | |
| 80 | 50 | 6 | 8900 | 10 | 0243-008 050 | | | | | |

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

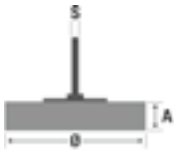
**Applications:** Fine surface pattern and readying for satin finishing. Ideal for removing minor scratches; final finish also possible depending on grit size

| | | | | | Abr. bristle / Grit 60 | | Abr. bristle / Grit 80 | | Abr. bristle / Grit 150 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 40 | 20 | 6 | 17100 | 10 | 0063-404 020 | | 0083-404 020 | | 0153-404 020 | |
| 40 | 30 | 6 | 17100 | 10 | **0063-404 030** | | **0083-404 030** | | **0153-404 030** | |
| 50 | 20 | 6 | 13700 | 10 | 0063-405 020 | | 0083-405 020 | | 0153-405 020 | |
| 50 | 30 | 6 | 13700 | 10 | **0063-405 030** | | **0083-405 030** | | **0153-405 030** | |
| 50 | 40 | 6 | 13700 | 10 | 0063-405 040 | | 0083-405 040 | | 0153-405 040 | |
| 60 | 30 | 6 | 11500 | 10 | 0063-406 030 | | 0083-406 030 | | 0153-406 030 | |
| 60 | 40 | 6 | 11500 | 10 | **0063-406 040** | | **0083-406 040** | | **0153-406 040** | |
| 60 | 50 | 6 | 11500 | 10 | 0063-406 050 | | 0083-406 050 | | 0153-406 050 | |
| 80 | 40 | 6 | 8600 | 10 | 0063-408 040 | | 0083-408 040 | | 0153-408 040 | |
| 80 | 50 | 6 | 8600 | 10 | 0063-408 050 | | 0083-408 050 | | 0153-408 050 | |

| | | | | | Abr. bristle / Grit 240 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 40 | 20 | 6 | 17100 | 10 | 1243-404 020 | | | | | |
| 40 | 30 | 6 | 17100 | 10 | **1243-404 030** | | | | | |
| 50 | 20 | 6 | 13700 | 10 | 1243-405 020 | | | | | |
| 50 | 30 | 6 | 13700 | 10 | **1243-405 030** | | | | | |
| 50 | 40 | 6 | 13700 | 10 | 1243-405 040 | | | | | |
| 60 | 30 | 6 | 11500 | 10 | 1243-406 030 | | | | | |
| 60 | 40 | 6 | 11500 | 10 | **1243-406 040** | | | | | |
| 60 | 50 | 6 | 11500 | 10 | 1243-406 050 | | | | | |
| 80 | 40 | 6 | 8600 | 10 | 1243-408 040 | | | | | |
| 80 | 50 | 6 | 8600 | 10 | 1243-408 050 | | | | | |

FLAP WHEELS

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 du to the dense structure of the non-woven material
- Besides the main application, oxide layers can be cleaned off and wood and plastic can be smoothed

**Applications:** Matting, satin and final finishing

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

| | | | | | Abr. bristle / very fine | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 40 | 20 | 6 | 17100 | 10 | 0323-304 020 | | | | | |
| 40 | 30 | 6 | 17100 | 10 | **0323-304 030** | | | | | |
| 50 | 30 | 6 | 13700 | 10 | **0323-305 030** | | | | | |
| 50 | 40 | 6 | 13700 | 10 | 0323-305 040 | | | | | |
| 60 | 30 | 6 | 11500 | 10 | **0323-306 030** | | | | | |
| 60 | 50 | 6 | 11500 | 10 | 0323-306 050 | | | | | |
| 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.

Appearance can vary from picture depending on variant.

# END BRUSHES, KNOTTED WIRE

## SUPERIOR ★★★★☆

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

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

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

| | | | | | | Steel / 0.26 | | Steel / 0.35 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 20 | 29 | 44 | 6 | 20000 | 12 | **0002-630 304** | | **0002-630 305** | | | |
| 23 | 29 | 44 | 6 | 20000 | 12 | **0002-630 310** | | **0002-630 311** | | | |
| 30 | 29 | 44 | 6 | 20000 | 12 | **0002-630 316** | | **0002-630 317** | | | |

| | | | | | | INOX / 0.26 | | INOX / 0.35 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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$^{-1}$ 5,000 | At speed ≤ min$^{-1}$ 8,000 | At speed ≤ min$^{-1}$ 15,000 |
|---|---|---|---|---|
| 20 | 0.26 | 55 | 70 | 75 |
| 20 | 0.35 | 25 | 50 | 70 |
| 23 | 0.26 | 40 | 65 | 75 |
| 23 | 0.35 | 35 | 55 | 70 |
| 30 | 0.26 | 55 | 70 | 85 |
| 30 | 0.35 | 50 | 70 | 80 |

Recommended working speed about 50% of the max. min$^{-1}$

## END BRUSHES

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 20 | 29 | 44 | 6 | 20000 | 12 | **9906-030 302** | | **9906-030 304** | | **9906-030 305** | |
| 23 | 29 | 44 | 6 | 20000 | 12 | **9906-030 308** | | **9906-030 310** | | **9906-030 311** | |
| 30 | 29 | 44 | 6 | 20000 | 12 | **9906-030 314** | | **9906-030 316** | | **9906-030 317** | |

| | | | | | | Osborn steel / 0.50 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 23 | 29 | 44 | 6 | 20000 | 12 | **9906-030 312** | | | | | |
| 30 | 29 | 44 | 6 | 20000 | 12 | **9906-030 318** | | | | | |

| | | | | | | Osborn INOX / 0.15* | | Osborn INOX / 0.26* | | Osborn INOX / 0.35* | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 20 | 29 | 44 | 6 | 20000 | 12 | **9906-030 326** | | **9906-030 328** | | **9906-030 329** | |
| 23 | 29 | 44 | 6 | 20000 | 12 | **9906-030 332** | | **9906-030 334** | | 9906-030 335 | |
| 30 | 29 | 44 | 6 | 20000 | 12 | **9906-030 338** | | **9906-030 340** | | **9906-030 341** | |

* Stainless steel variant degreased

**Important:**

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

Please speak to us.

Appearance can vary from picture depending on variant.

## END BRUSHES, KNOTTED WIRE

**SUPERIOR** ★★★★☆

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

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

**Applications:** Removal of oxide layers and for deburring

| | | | | | | Steel / 0.25 | | Steel / 0.35 | | Steel / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 26 | 72 | 6 | 15000 | 12 | 9803-630 151 | | 9803-630 171 | | 9803-630 101 | |

| | | | | | | INOX / 0.25 | | INOX / 0.35 | | INOX / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 26 | 72 | 6 | 15000 | 12 | 9803-630 351 | | 9803-630 371 | | 9803-630 301 | |

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 100 | 6 | 9000 | 10 | **0003-509 149** | | **0003-509 169** | | | |

| | | | | | | INOX / 0.20 | | INOX / 0.20 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 100 | 6 | 9000 | 10 | **0003-509 349** | | **0003-509 369** | | | |

### END BRUSHES

Appearance can vary from picture depending on variant.

## END BRUSH, CRIMPED WIRE

**SUPERIOR** ★★★★☆

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

- Flexible trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 40 | 6 | 20000 | 12 | **0003-509 141** | | **0003-509 161** | | **0003-509 191** | |
| 17 | 25 | 45 | 6 | 18000 | 12 | **0002-509 142** | | **0002-509 162** | | **0002-509 192** | |
| 25 | 25 | 50 | 6 | 18000 | 12 | **0002-509 143** | | **0002-509 163** | | **0002-509 193** | |
| 30 | 25 | 45 | 6 | 15000 | 12 | **0002-509 144** | | **0002-509 164** | | **0002-509 194** | |

| | | | | | | INOX / 0.20 | | INOX / 0.30 | | Brass / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | 20 | 40 | 6 | 20000 | 12 | **0003-509 341** | | **0003-509 361** | | **0003-509 561** | |
| 17 | 25 | 45 | 6 | 18000 | 12 | **0002-509 342** | | **0002-509 362** | | **0002-509 562** | |
| 25 | 25 | 50 | 6 | 18000 | 12 | **0002-509 343** | | **0002-509 363** | | **0002-509 563** | |
| 30 | 25 | 45 | 6 | 15000 | 12 | 0002-509 344 | | **0002-509 364** | | **0002-509 564** | |

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

Appearance can vary from picture depending on variant.

# END BRUSHES, SMOOTH/CRIMPED 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

| | | | | | | | Steel / 0.40 | | Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | Type | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 9.5 | 32 | 57 | 122 P | 6 | 12000 | 12 | **0124-509 101** | | | | | |
| 10 | 27 | 125 | 121 P/L | 6 | 12000 | 6 | **2224-509 101** | | | | | |
| 10 | 31 | 55 | 123 P | 6 | 12000 | 12 | **0224-509 101** | | | | | |
| 12 | 30 | 61 | 124 P | 6 | 12000 | 12 | **0124-509 111** | | | | | |
| 19 | 31 | 51 | 102 P | 6 | 12000 | 6 | | | **0124-509 103** | | | |
| 19 | 64 | 50 | 225 | 6 | 12000 | 6 | | | **0024-509 100** | | | |

| | | | | | | | INOX / 0.30 | | INOX / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | Type | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 9.5 | 32 | 57 | 122 P | 6 | 12000 | 12 | **0074-509 301** | | | | | |
| 11 | 32 | 59 | 103 P | 6 | 12000 | 6 | | | **0004-509 302** * | | | |
| 19 | 31 | 51 | 102 P | 6 | 12000 | 6 | | | **0124-509 303** | | | |
| 25 | 35 | 50 | 103 P | 6 | 12000 | 6 | | | 0014-509 304 | | | |

* Smooth wire

## END BRUSHES, ABRASIVE TRIM

### EVOLUTION ★★★★★

End brush with abrasive silicone carbide trim, 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 trim surface with working residues

**Applications:** Deburring, edge rounding, surface finishing

| | | | | | | Abr. bristle / 120 | | Abr. bristle / 180 | | Abr. bristle / 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | S | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 | | Order no. | € per pcs | EAN 4081600 |
|---|---|---|---|---|---|
| Tensioning shaft | 6 mm | 1 | **6700 008 100** | | 670400 |

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# 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 193).

| BRUSH Ø | | BORE Ø | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | 13 | | 16 | 19 | 20 | | | 30 | | 32 | 35 | 38 | 40 | 44 | 50.8 |
| mm | inch | inch | | 5/8 | | 3/4 | | 7/8 | 1 | | 1 1/4 | | | | | | 2 |
| 75 | 3 | | 7413 | | | | | | | | | | | | | | |
| 100 | 4 | | 7413 | 7415 | 7416 | 7419 | 7420 | | | | | | | | | | |
| 125 | 5 | | 7413 | 7415 | 7416 | 7419 | 7420 | 7422 | 7425 | 7430 | 7431 | | | | | | |
| 150 | 6 | | 7413 | 7415 | 7416 | 7419 | 7420 | 7422 | 7425 | 7430 | 7431 | 7432 | 7435 | | 7440 | 7444 | |
| 175 | 7 | | 7413 | 7415 | 7416 | 7419 | 7420 | 7422 | 7425 | 7430 | 7431 | 7432 | 7435 | 7438 | | | |
| 200 | 8 | | | | | 7419 | 7420 | 7422 | 7425 | 7430 | 7431 | 7432 | 7435 | 7438 | | | 7450 |
| 250 | 10 | | | | | | 7420 | 7422 | 7425 | 7430 | 7431 | 7432 | 7435 | | 7440 | | 7450 |
| 300 | 12 | | | | | | | | 7425 | 7430 | 7431 | 7432 | 7435 | | 7440 | | 7450 |
| 350 | 14 | | | | | | | | | | 7431 | 7432 | 7435 | | 7440 | | 7450 |

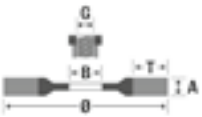
### STANDARD BORES FOR MULTI-ROW BRUSHES

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

| BRUSH Ø | | BORE Ø | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | 9.35 | 10 | 12.7 | 13 | 16 | 19 | 20 | 22.2 | 25.4 | 30 | 31.8 | 32 | 35 | 40 | 50.8 |
| mm | inch | inch | 3/8 | | 1/2 | | 5/8 | 3/4 | | 7/8 | 1 | | 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 |

## WHEEL BRUSHES

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

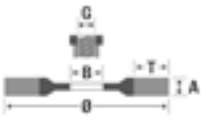
**Applications:** Weld seam cleaning, deburring of cast iron and steel parts with high burr generation, removal of overruns on rubber-bonded-to-metal components, removal of insulation/coatings

**Note:** For other bore sizes, refer to table
"Standard bores for **single-row** brushes" on page 176

| | | | | | | | Steel / 0.35 | | Steel / 0.50 | | Steel / 0.80 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | Min. B | Max. B | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 200 | 13 | 42 | 20 | 50.8 | 8500 | 1 | 0002-664 131 | | **0002-664 151** | | 0002-664 181 | |
| 200 | 26 | 42 | 50.8* | 50.8* | 8500 | 1 | | | **0002-664 152** | | | |
| 250 | 15 | 42 | 25.4 | 50.8 | 4500 | 2 | **0002-676 131** | | **0002-676 151** | | **0002-676 181** | |
| 300 | 18 | 55 | 25.4 | 50.8 | 3600 | 2 | 0002-686 131 | | **0002-686 151** | | **0002-686 181** | |

* Pipe diameter; for reducing the bore size, refer to the 1-A adapter on page 194

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

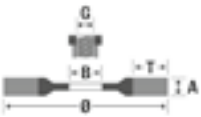
**Applications:** Removal of stones, gravel and other debris from (expansion) joints during road-construction

**Note:** For other bore sizes, refer to table "Standard bores for **single-row** brushes" on page 176

| | | | | | | ■ Steel / 0.50 ■ | | ■ Steel / 0.80 ■ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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** | | | |

### WHEEL BRUSHES

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

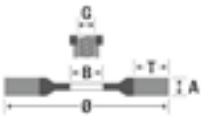
**Applications:** Smoothing, deburring, edge rounding, texturing, rust removal and paint stripping of steel, cast steel and stainless steel

**Note:** For other bore sizes, refer to table "Standard bores for **single-row** brushes" on page 176

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

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

Appearance can vary from picture depending on variant.




# BAND SAW BRUSH

## SUPERIOR ★★★★☆

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

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

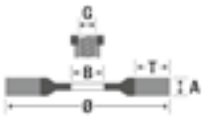
**Applications:** Cleaning the chip chambers of saw blades. When the brush presses against the moving saw blade, the brush is set into motion and the brush cleans the chip chambers of saw blades

**Nylon / 0.80**

| Ø | A | T | B | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 15 | 20 | 13 | 8000 | 10 | **0003-515 827** | | | | | |

## WHEEL BRUSHES

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 194

| | | | | | | | Osborn steel / 0.15 | | Osborn steel / 0.20 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 200 | 18 | 37 | 50.8 | 1-A | 4500 | 2 | **9906-021 183** | | **9906-021 184** | | | |

| | | | | | | | Osborn INOX / 0.26 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 150 | 14 | 29 | 31.75 | 3-A | 6000 | 6 | 9906-021 059 | | | | | |

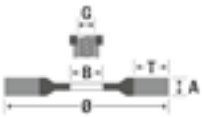
**MATIC®** variant with **keyways** adapter, refer to page 194

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

**MASTER®** variant with **tortoise-shaped bore** adapter, refer to page 193

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

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, CRIMPED WIRE

## SUPERIOR ★★★★☆

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

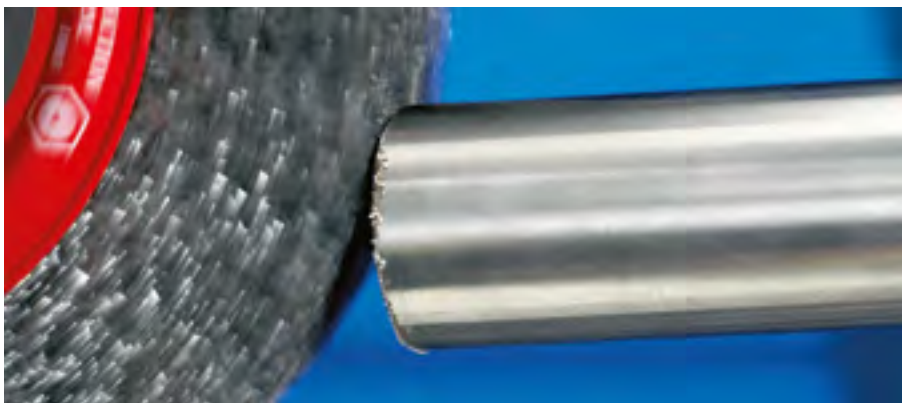
- Aggressive variant
- TÜV-Süd certified (safety tested, production monitored)
- Larger body, so more wire tips are simultaneously in use
- High wire density

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

**Note:** For other bore sizes, refer to table "Standard bores for **multi-row** brushes" on page 176

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

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



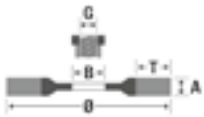
**Product tables on the following page**.

### WHEEL BRUSHES

| | | | | | | | | Steel / 0.20 | | Steel / 0.30 | | Steel / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | Min. B | Max. B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 19 | 16 | | 20 | 20 | 10000 | 4 | | | **9902-511 162** | | | |
| 100 | 20 | 23 | | 20 | 30 | 8000 | 5 | **9902-522 142** | | **9902-522 162** | | | |
| 100 | 28 | 23 | | 20 | 30 | 8000 | 5 | | | **9902-522 163** | | | |
| 125 | 22 | 30 | | 20 | 30 | 6000 | 5 | 9902-532 142 | | **9902-532 162** | | | |
| 125 | 30 | 30 | | 20 | 30 | 6000 | 5 | | | **9902-532 163** | | | |
| 150 | 21 | 25 | | 31.75 | 50.8 | 6000 | 3 | **9902-544 441** | | **9902-544 461** | | 9902-544 491 | |
| 150 | 30 | 29 | | 31.75 | 50.8 | 6000 | 3 | **9902-544 142** | | **9902-544 162** | | | |
| 150 | 37 | 29 | | 31.75 | 50.8 | 6000 | 3 | | | **9902-544 163** | | **9902-544 193** | |
| 178 | 23 | 38 | | 31.75 | 50.8 | 6000 | 1 | 9902-554 441 | | **9902-554 461** | | | |
| 178 | 32 | 38 | | 31.75 | 50.8 | 6000 | 1 | 9902-554 142 | | **9902-554 162** | | 9902-554 192 | |
| 178 | 38 | 38 | | 31.75 | 50.8 | 6000 | 1 | | | **9902-554 163** | | | |
| 200 | 20 | 38 | | 31.75 | 80 | 4500 | 1 | **9902-566 441** | | **9902-566 461** | | 9902-566 491 | |
| 200 | 30 | 38 | | 31.75 | 80 | 4500 | 1 | **9902-566 142** | | **9902-566 162** | | **9902-566 192** | |
| 200 | 38 | 38 | | 31.75 | 80 | 4500 | 1 | 9902-566 143 | | **9902-566 163** | | 9902-566 193 | |
| 250 | 28 | 47 | 20 | 50.8 | 100 | 3600 | 1 | 9902-576 142 | | **9902-576 162** | | 9902-576 192 | |
| 250 | 38 | 47 | 20 | 50.8 | 100 | 3600 | 1 | 9902-576 143 | | **9902-576 163** | | **9902-576 193** | |
| 250 | 55 | 47 | 20 | 50.8 | 100 | 3600 | 1 | | | 9902-576 464 | | | |
| 300 | 32 | 50 | 25.4 | 50.8 | 120 | 3000 | 1 | 9902-587 142 | | **9902-587 162** | | 9902-587 192 | |
| 300 | 46 | 50 | 50.8 | 101.6 | 151 | 3000 | 1 | | | 0002-587 162 | | | |
| 300 | 44 | 50 | 25.4 | 50.8 | 120 | 3000 | 1 | 9902-587 143 | | **9902-587 163** | | **9902-587 193** | |

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

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 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 176

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

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

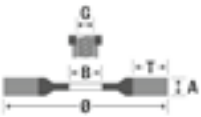
| | | | | | | | | Steel / 0.20 | | Steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | Min. B | Max. B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 150 | 24 | 43 | | 20 | 30 | 6000 | 3 | **9902-543 142** | | **9902-543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

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

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

## WHEEL BRUSHES

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 193.

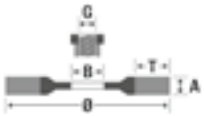
| | | | | | | | ■ Steel / 0.20 ■ | | ■ Steel / 0.30 ■ | | ■ Steel / 0.35 ■ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 250 | 55 | 45 | 100 | 100 | 3600 | 1 | **0002-576 145** | | **0042-576 165** | | **0042-576 175** | |

| | | | | | | | ■ Steel / 0.50 ■ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 250 | 55 | 45 | 100 | 100 | 3600 | 1 | **0002-576 195** | | | | | |

| | | | | | | | ■ INOX / 0.20 ■ | | ■ INOX / 0.30 ■ | | ■ INOX / 0.35 ■ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 250 | 55 | 45 | 100 | 100 | 3600 | 1 | **0002-576 345** | | **0042-576 365** | | 0042-576 375 | |

| | | | | | | | ■ INOX / 0.50 ■ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 250 | 55 | 45 | 100 | 100 | 3600 | 1 | **0002-576 395** | | | | | |

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES FOR DEBURRING MACHINES, ABRASIVE TRIM

## SUPERIOR ★★★★☆

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

- Particularly dense and compact design with maximum number of abrasive bristles for high deburring performance and excellent service life
- Statically balanced with high high concentricity accuracy

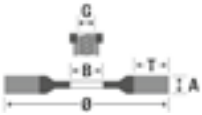
**Applications:** Cutting edge deburring of pipes, profiles and flat parts made of non-ferrous metals on table deburrer and automated machines

For other bore sizes, refer to the axis discs on page 193.

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

## WHEEL BRUSHES

Appearance can vary from picture depending on variant.




# UNI-MASTER® WHEEL BRUSHES, ABRASIVE TRIM

### EVOLUTION ★★★★★

**Wheel brush with abrasive trim, 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

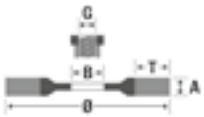
**Applications:** Cutting edge deburring of pipes, profiles and flat parts made of non-ferrous metals on table deburrer and automated machines

You will find the right adapters on page 193.

| | | | | | | | Grit 80 | | Grit 120 / 1.02 | | Grit 180 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 15 | 5/8" | F | 20000 | 6 | **9906-015 001** | | **9906-015 002** | | **9906-015 003** | |
| 100 | 13 | 20 | 5/8" | F | 12000 | 6 | **9906-015 025** | | **9906-015 026** | | **9906-015 027** | |
| 125 | 16 | 32 | 5/8" | F | 12000 | 6 | **9906-015 035** | | **9906-015 036** | | **9906-015 037** | |
| 150 | 17 | 32 | 7/8" | F | 8000 | 6 | **9906-015 079** | | **9906-015 080** | | **9906-015 081** | |
| 178 | 20 | 47 | 7/8" | F | 8000 | 2 | 9906-015 040 | | **9906-015 041** | | **9906-015 042** | |
| 200 | 18 | 35 | 2" | 4-M | 6000 | 2 | **9906-015 050** | | **9906-015 051** | | **9906-015 052** | |
| 250 | 18 | 35 | 2" | 4-M | 3000 | 2 | **9906-015 056** | | **9906-015 057** | | **9906-015 058** | |
| 250 | 18 | 60 | 2" | 4-M | 3600 | 2 | 9946-015 056 | | **9946-015 057** | | 9946-015 058 | |
| 300 | 18 | 35 | 2" | 4-M | 2400 | 2 | **9906-015 062** | | **9906-015 063** | | **9906-015 064** | |
| 300 | 18 | 60 | 2" | 4-M | 3000 | 2 | | | **9966-015 063** | | **9966-015 064** | |
| 350 | 19 | 55 | 2" | 4-M | 2400 | 2 | | | **9906-015 069** | | **9906-015 070** | |

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

Appearance can vary from picture depending on variant.




# WHEEL BRUSHES, ABRASIVE TRIM

## SUPERIOR ★★★★☆

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

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

**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 176

+ You will find the right adapters on page 193

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

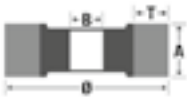
| | | | | | | | | | Novofil 320 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | Min. B | Max. B | B | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 13 | | 13 | | | 20000 | 6 | **9902-515 004** | | | |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

+ **NHS trim material** - Also suitable for use with coolants

| | | | | | | | | | Grit 80 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | Min. B | Max. B | B | Adapt. | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 75 | 12 | 13 | | 13 | | | 20000 | 6 | 9902-515 001 | | | | | |
| 100 | 18 | 18 | 13 | 20 | | | 12000 | 6 | **9902-515 025** | | | | | |

## 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 trim 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

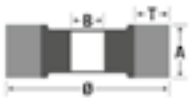
| | | | | | | | Steel / 0.35 | | INOX / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | T | B | R | Max. RPM | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 300 | 440 | 60 | 120 | 120 | 3600 | 1 | **4602-743 178** | * | | | | |
| 300 | 600 |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

* Prices on request

**Good to know ...**

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

Appearance can vary from picture depending on variant.




## 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

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

| | | | | | Grit 40 | | Grit 60 | | Grit 80 | | Grit 120 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | RRP (€) | Order no. | RRP (€) | Order no. | RRP (€) | Order no. | RRP (€) |
| 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

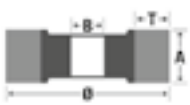
**SUPERIOR** ★★★★☆

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.

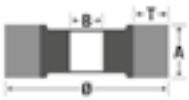



\+ Standard items are also available in practical PET packaging with Euro-standard hole **(see the second table row).**

| | | | | | Grit 60 / coarse | | Grit 80 / medium | | Grit 120 / fine | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | RRP (€) | Order no. | RRP (€) | Order no. | RRP (€) |
| 100 | 100 | 19 | 5000 | 1 | **0063-410 100** | | 0083-410 100 | | **0123-410 100** | |
| 100 | 100 | 19 | 5000 | 1 | 8203-410 100 | | | | | |

ROLLER BRUSHES

Appearance can vary from picture depending on variant.




## NON-WOVEN (SATIN) FINISHING ROLLERS

**SUPERIOR** ★★★★☆

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

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

**Applications:** For creating satin finished surfaces

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

| | | | | | Grit 80 / coarse | | Grit 180 / fine | | Grit 320 / very fine | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | RRP (€) | Order no. | RRP (€) | Order no. | RRP (€) |
| 100 | 100 | 19 | 5000 | 1 | **0083-310 100** | | **0183-310 100** | | 0283-310 100 | |
| 100 | 100 | 19 | 5000 | 1 | 8203-310 100 | | | | | |

# END BRUSHES, CRIMPED WIRE

## SUPERIOR ★★★★☆

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

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

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

| | | | | Steel / 0.20 | | Steel / 0.35 | | Steel / 0.50 | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 25 | 95 | 25 | 16 | 0002-509 448 | | **0002-509 478** | | 0002-509 498 | |

| | | | | INOX / 0.20 | | Grit 80 | | Grit 120 / 0.20 stainless | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | T | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 25 | 95 | 25 | 16 | **0002-509 348** | | 0002-509 908 | | **5702-509 938** | |

ACCESSORIES

## AXIS DISCS

Axis discs for table deburring brushes

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

Prices on request

## 4-M ADAPTERS FOR TORTOISE-SHAPE BORES

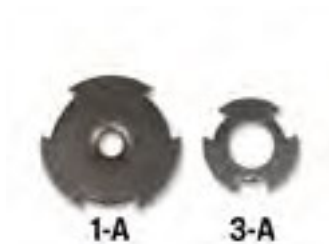
4-M adapters for the bore reduction of narrow wheel brushes with 2" / 50.8 mm tortoise-shape bore. Reusable.

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

## F-ADAPTER

For reducing bores.

| Inside Ø | Outside Ø | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|
| 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" | 1/2" | 1 | **0003-000 243** | | | | | |
| 7/8" | 5/8" | 1 | **0003-000 244** | | | | | |




# INTERCHANGEABLE METAL ADAPTERS

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

| B | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|
| 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 | | | | | |

| B | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|
| 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


| | |
|---|---|
| HAND BRUSHES | 196 |
| INDUSTRIAL BRUSHES | 201 |
| BLOCK BRUSHES | 202 |
| BROOMS | 204 |
| SCRUB BRUSHES | 206 |
| DUSTERS | 206 |
| PAINT BRUSHES | 207 |
| ACCESSORIES | 208 |

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 140 | 25 | 265 | 1 | 24 | 0008-462 291 | | 0008-462 391 | | 0008-462 591 | |

| | | | | | Brass-coated steel / 0.30 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A | T | L | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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

Appearance can vary from picture depending on variant.

### HAND BRUSHES, PLASTIC BODY

**SUPERIOR** ★★★★☆

Hand brush with plastic body, industrial quality

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

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

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

Appearance can vary from picture depending on variant.

### BRAKE CALLIPER BRUSHES, PLASTIC BODY

**SUPERIOR** ★★★★☆

Brake calliper brush with plastic body, industrial quality

- With particularly ergonomically shaped handle
- Rubber-coated handle makes it anti-slip
- Washable
- Its narrow shape makes it ideal when space is tight
- For pinpoint work

**Applications:** Cleaning brake callipers

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

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 trim materials

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

| | | | | | Brass-coated steel, straight / 0.35 | | Steel, straight / 0.35 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A | T | L | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 / 0.30 | | INOX, crimped / 0.30 | | INOX VA4 straight / 0.30 | |
|---|---|---|---|---|---|---|---|---|---|---|
| A | T | L | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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** | | | |

## 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 trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 160 | 30 | 310 | 3 | 12 | 0901-151 093 | | 0901-152 333 | | 0901-151 593 | |
| 160 | 30 | 310 | 4 | 12 | **0901-151 094** | | **0901-152 334** | | **0901-151 594** | |
| 160 | 30 | 310 | 5 | 12 | 0901-151 095 | | 0901-152 335 | | 0901-151 595 | |

Appearance can vary from picture depending on variant.

### FILLET WELD BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

Fillet weld brush with wooden body, industrial quality

- Osborn bestseller
- V-shaped trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 145 | 35 | 295 | 3 | 12 | **0003-162 133** | | **0003-162 333** | | | |

Appearance can vary from picture depending on variant.

## FINE SCRATCH BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

Fine scratch brush with wooden body, industrial quality

- Dense trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 / 0.20 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | T | L | B | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 45 | 18 | 189 | 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 33 | 15 | 180 | 15 | 3 | 48 | **0008-432 573** | | | | | |

## INDUSTRIAL BRUSHES

Appearance can vary from picture depending on variant.

### BATTERY TERMINAL BRUSHES, STEEL WIRE

**SUPERIOR** ★★★★☆

Battery terminal brush with plastic body, industrial quality

- One brush with two uses - tapered brush trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 15/25 | 65 | 120 | 12 | **0008-493 100** | | | | | |

Appearance can vary from picture depending on variant.

### FITTING BRUSHES, STEEL WIRE

**SUPERIOR** ★★★★☆

Fitting brush with plastic handle, industrial quality

- Quick and efficient cleaning
- Sturdy handle with pin hole

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

Steel, straight

| Ø | A | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 13 | 25 | 160 | 12 | **0003-075 252** | | | | | |
| 16 | 25 | 160 | 12 | **0003-075 253** | | | | | |
| 19 | 28 | 160 | 12 | **0003-075 254** | | | | | |
| 23 | 25 | 160 | 12 | **0003-075 255** | | | | | |

Appearance can vary from picture depending on variant.

### HOLE CLEANING BRUSHES, CRIMPED WIRE

**SUPERIOR** ★★★★☆

Hole cleaning brush with wooden handle, industrial quality

- Sturdy wooden handle
- Many uses

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

Steel / 0.30

| Ø | A | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 100 | 280 | 10 | **0002-892 215** | | | | | |
| 20 | 100 | 280 | 10 | **0002-892 220** | | | | | |
| 25 | 100 | 280 | 10 | **0002-892 225** | | | | | |

Appearance can vary from picture depending on variant.

## FILE BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 240 | 25 | 12 | **0003-140 101** | | | | | |
| 110 | 250 | 38 | 12 | **0003-140 102** | | | | | |
| 105 | 260 | 12 | 12 | **3303-140 101** | * | | | | |

*Without pin hole

Appearance can vary from picture depending on variant.

## BLOCK BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 190 | 40 | 205 | 60 | 5 | 10 | **0281-307 095** | * | **7601-306 095** | | | |

* With intermediate board

## BLOCK BRUSHES

Appearance can vary from picture depending on variant.

### BLOCK BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

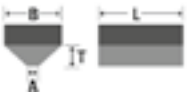
Block brush with wooden body, industrial quality

- 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 150 | 35 | 190 | 5 | 10 | | | | | **0023-179 197** | |
| 170 | 35 | 210 | 5 | 10 | **0001-179 097** | | **0001-179 297** | | | |

Appearance can vary from picture depending on variant.




### WEEDING BRUSH, WOODEN BODY

**SUPERIOR** ★★★★☆

Weeding brush with wooden body, industrial quality

- The V-shape arrangement of the trim material also enables difficult to access, and deep, places to be cleaned thoroughly
- With 24 mm shaft hole (without thread) for securing a wooden handle for convenient working without having to bend down

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

Find the broom handle that is right for you under Accessories on page 208.

| | | | | | Steel, straight / 0.35 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A | T | L | B | Rows | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 4 | 38 | 100 | 35 | 3 | 25 | 0001-261 173 | | | | |

Appearance can vary from picture depending on variant.

## BROOM WOODEN BODY

**SUPERIOR** ★★★★☆

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

- Long life
- Sturdy
- Effortless cleaning

**Applications:** Cleaning, dust removal, sweeping

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

Appearance can vary from picture depending on variant.

## WORKSHOP BROOM, WOODEN BODY

**SUPERIOR** ★★★★☆

Workshop broom with wooden body and Korfil-D trim, industrial quality

- Particularly rigid, bristles do not bend or buckle like conventional plastic bristles
- Guarantees excellent cleaning performance
- Also cleans up the smallest dirt particles

**Applications:** Cleaning of workshop floors with high level of dirt

| | | | | | Nylon / Korfil-D | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| T | L | B | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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 208.

## BROOMS

Appearance can vary from picture depending on variant.

# BROOM WOODEN BODY

**SUPERIOR** ★★★★☆

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 208.

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

## SCRUB BRUSHES

Appearance can vary from picture depending on variant.

### SCRUB BRUSHES, WOODEN BODY

**SUPERIOR** ★★★★☆

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

- Dense, sturdy trim
- Good cleaning performance

**Applications:** Cleaning and scrubbing of floors and surfaces

| | | | | | Steel, straight | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| T | L | B | Rows | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 30 | 210 | 60 | 6 | 10 | **0001-122 096** | | | | | |
| 40 | 210 | 60 | 7 | 10 | **0001-120 097** | | | | | |

## DUSTERS

Appearance can vary from picture depending on variant.

### DUSTER, WOODEN BODY

**SUPERIOR** ★★★★☆

Duster with wooden body, industrial quality

- Korfil-D variant is particular rigid and the bristles 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 150 | 60 | 310 | 35 | 4 | 10 | **0001-110 114** | | **0181-110 924** | | | |

## PAINT BRUSHES

Appearance can vary from picture depending on variant.

### FLAT PAINT BRUSH, PLASTIC HANDLE

**SUPERIOR** ★★★★☆

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 40 | 20 | 9 | 12 | **0003-086 102** | | | | | |
| 40 | 30 | 9 | 12 | **0003-086 103** | | | | | |
| 40 | 40 | 9 | 12 | **0003-086 104** | | | | | |
| 43 | 50 | 9 | 12 | **0003-086 105** | | | | | |

Appearance can vary from picture depending on variant.

### RADIATOR PAINT BRUSH, PLASTIC HANDLE

**SUPERIOR** ★★★★☆

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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 42 | 38 | 1 1/2" | 12 | **1003-086 438** | | | | | |
| 42 | 50.8 | 2" | 12 | **1003-086 450** | | | | | |

## HANDLE HOLDER, METAL

For workshop broom order no. 9711-104 925

| | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|
| 1 | **0003-000 001** | | | | | |

## BROOM HANDLE, WOOD

Wood

| Ø | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|
| 28 | 1400 | 5 | **0003-999 027** | | | | | |
| 24 | 1300 | 5 | **0003-000 024** | | | | | |

# POLISHING & SATIN FINISHING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## STARPOLISH

**SUPERIOR ★★★★☆**

Polishes in handy sized dispenser (250 ml). Special formulas for silver, jewellery, stainless, steel, lacquer and chrome

- Cleans, polishes and preserves in one step
- Contains no silicone
- Water-soluble
- Made in Germany

**Applications:** Apply and rub with damp sponge, polish with a soft cloth. Done!

| | Silver | | Jewellery | | Stainless | | Aluminium | | Car finish | | Chrome | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 10 | L979-012 104 | | L979-002 104 | | L979-022 104 | | L979-002 103 | | L979-940 340 | | L979-012 103 | |

## STARPOLISH IN A DISPLAY UNITS

**SUPERIOR ★★★★☆**

Eye-catcher on the counter – StarPolish polishes in impressive display boxes

- The household display box contains six bottles each for silver, jewellery and stainless steel
- The car display box contains six bottles each for aluminium rims, car finish and chrome
- An attachable panel at the back shows the prices of the articles and explains their usage

| | Household display box | | Car display box | |
|---|---|---|---|---|
| | Silver | € per pcs | Jewellery | € per pcs |
| 1 | 8212-600 003 | | 8202-600 003 | |

**Info:**

Sponge and cloth for applying and polishing are available separately as a kit. See page 211.

**How do I apply StarPolish?**

Apply and rub with damp sponge, polish with a soft cloth.
Done!

## 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 | | Order no. | € per pcs |
|---|---|---|---|
| 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 | | Order no. | € per pcs |
|---|---|---|---|
| 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.

| | Order no. | € per pcs |
|---|---|---|
| 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 | | Order no. | € per pcs |
|---|---|---|---|
| 125 | 10 | **2103-002 101** | |
| 1000 | 6 | **L669-002 101** | |

## ACRYLIC POLISHING KIT

**SUPERIOR ★★★★☆**

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

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

+

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

| ml | | Order no. | € per pcs |
|---|---|---|---|
| 125 | 10 | **1203-600 001** | |

+

**How do I apply acrylic/metal polish?**

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

## POLISHING 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.

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

Flap discs for prepolishing processes, refer to page 129

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

### 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 | | Form | Order no. | € per pcs | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 22.23 | 4 1/2 x 7/8 | 13280 | Mixed | 1 | | **6900 040 100** | | 706208 |
| 125 x 22.23 | 5 x 7/8 | 12200 | Mixed | 1 | | **6900 041 100** | | 706215 |

**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 from Osborn for stainless steel or brown for non-ferrous metals)
- Then use a high-gloss polishing compund (e.g. blue from Osborn) 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

# 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 ★★★★☆

| | | | | | | | Apply on | | | | Matrix | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Process | Colour | Type | Name | Description | Sales Qty | Order no. | Aluminium | Stainless | Non-ferrous | Plastic | fat 1=low, 10=high | cut 1=low, 10=high | gloss 1=low,10=high |
| **Brushing** | Grey | 39.038.1 | B1000 | Greasy, abrasive general brushing compound for deburring and satin finishing | 1 | L779840010 | X | X | X | | 8 | 9 | 3 |
| **Polishing** | Brown | 7012 | P1000 | Cutting compound for brass, high cut and medium gloss | 1 | L779007012 | | | 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 | L779132001 | X | | X | | 3 | 7 | 5 |
| | White | 5333 | P3000 | All-purpose cutting compound for stainless steel, use with sisal buffs | 1 | L779005333 | | X | | | 6 | 8 | 4 |
| | light green | 2043 JF | P4000 | All-purpose cutting compound for stainless steel, use with cotton buffs | 1 | L779930401 | | X | | X | 6 | 7 | 4 |
| | Blue | 466 | P5000 | Cut & colour compound for aluminium, stainless, brass and zinc; one-step polishing process | 1 | L779000466 | X | | X | | 4 | 6 | 6 |
| | Orange | Edelgelb | P6000 | Cut & colour compound for aluminium, with high fat content for line-free surface, easy degreasing | 1 | L779840130 | X | | | | 4 | 4 | 6 |
| | Dark pink | 433 | P7000 | Cut & colour compound for aluminium, stainless steel, brass and zinc; higher gloss than P5000 | 1 | L779000433 | X | X | X | | 3 | 6 | 7 |
| | White | G65 | P8000 | All-round polishing compound for lacquers and plastics | 1 | L779001385 | | | | X | 3 | 4 | 6 |
| **Colouring** | Beige | 9216 | C1000 | Colouring compound for all lacquers and plastics when higher gloss required | 1 | L779920160 | | | | X | 2 | 3 | 7 |
| | Blue | 462 | C2000 | All-round colouring compound, ideal for stainless steel | 1 | L779000462 | | X | | | 2 | 3 | 8 |
| | light pink | 1003A | C3000 | All-round colouring compound, ideal for aluminium, zinc and stainless steel | 1 | L779191001 | X | X | X | | 3 | 3 | 8 |
| **Super finish** | Yellow | SA 175 | F1000 | High end colouring compound achieves a dark shine | 1 | L779000175 | | X | X | X | 2 | 2 | 9 |
| | light orange | Gold easy | F2000 | Top colouring compound for a deep line-free gloss | 1 | L779009510 | | X | | X | 1 | 1 | 10 |

1 pcs = 1,000 to 1,200 g

POLISHING COMPOUNDS

## 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| About 110 | 15 | **2103-005 333** | | **2103-007 012** | | **2103-000 461** | |

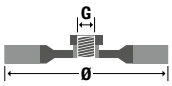
+

**Kit of polishing compounds**

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

| Grams | | Order no. | € per pcs |
|---|---|---|---|
| Approx. 3 x 50 | 8 | **7902-600 000** | |

Appearance can vary from picture depending on variant.




# SISAL/CLOTH AND AND NOTFLEX 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

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

**Sisal/cloth**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 7 | **L940-030 842** | |

**NOTIFLEX® fleece, hard**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 7 | **L914-000 436** | |

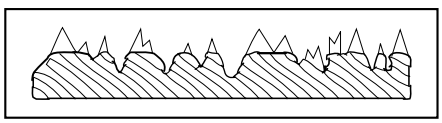
**NOTIFLEX® fleece, soft**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 7 | **L911-000 436** | |

# DIRECTIONS FOR USE:

### CUTTING WITH SISAL/CLOTH

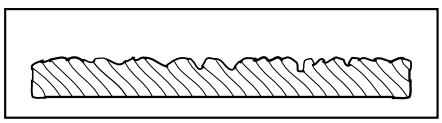
- Please use the white compound for (stainless) steel
- For brass and copper, please start at Step 2 – Polishing



Removing defects and scratches

### POLISHING WITH NOTIFLEX® FLEECE, HARD

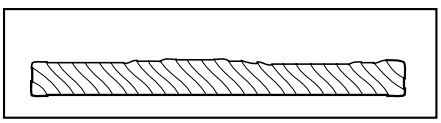
- Please use the white compound for (stainless) steel
- Please use the brown compound for brass, copper and aluminium



Removing traces of cutting and blending the surface

### COLOURING WITH NOTIFLEX® FLEECE, SOFT

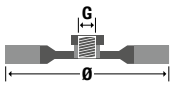
- Please use the blue compound for all materials



Achieving a high-gloss surface

## VARIABLE-SPEED AND CORDLESS ANGLE GRINDERS

Appearance can vary from picture depending on variant.




# 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 coluring

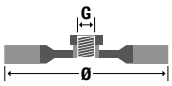
**Recommendation:** Working speed 3500 rpm, or speed 1, for angle grinders with variable speed

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

Detailed directions for use on the package.

| Ø | G | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 6 | **8603-600 006** | |

Appearance can vary from picture depending on variant.




# LIPPRITE® FOLDED BUFFS

## SUPERIOR ★★★★☆

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

**Applications:** Satinising steel, stainless and aluminium.

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

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

Short-form directions for use on the package

**Abrasive non-woven medium**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 7 | L961-100 012 | |

**Abrasive non-woven fine**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 7 | L961-100 076 | |

**Abrasive non-woven very fine**

| Ø | G | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 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

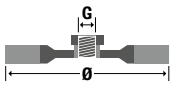
- Please use the **non-woven fine**
- No polish is required for this process

### REQUIRED FINISH RESULT VERY FINE

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

## VARIABLE-SPEED AND CORDLESS ANGLE GRINDERS

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 218

**Applications:** Satinising steel, stainless and aluminium

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

\+

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

Detailed directions for use on the package

| Ø | G | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | M14 | 9000 | 6 | **7903-600 004** | |

## 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 215)

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 10 | 4000 | 8 | **7912-600 000** | |

## POLISHING KIT FOR (STAINLESS) STEEL AND ALUMINIUM

**SUPERIOR ★★★★☆**

Perfect kit for cutting and polishing of stainless/steel andaluminium 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 215)

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 10 | 4000 | 8 | 7922-600 000 | |

## POWER DRILLS

### POLISHING KIT, 6 PC.

**SUPERIOR** ★★★★☆

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

**Contains:**

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

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

Short-form directions for use on the package

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 85/80 | 10 | 4000 | 5 | **1203-600 000** | |

### POLISHING KIT, 10 PC.

**SUPERIOR** ★★★★☆

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

**Contains:**

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

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

Detailed directions for use on the package

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 10 | 4000 | 6 | **8603-600 010** | |

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

Have a look at page 218 to find out which buff achieves which finishing result.

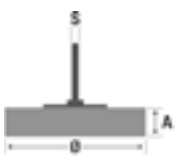
+ Available in a practical PET packaging with Euro-standard hole for ideal presentation at the POS.

Detailed directions for use on the package

| Ø | B | min⁻¹ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 10 | 4000 | 6 | **8603-600 004** | |

+ The tapered shank is also available separately. See page 228.

Appearance can vary from picture depending on variant.




## FLAP WHEELS

**SUPERIOR** ★★★★☆

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

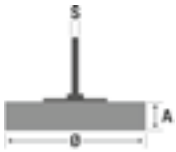
- Homogeneous pattern
- Adapt perfectly to complex contours
- Small surfaces that are difficult to access can be reached perfectly
- Can be used universally on many different materials

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

| | | | | | AO 60 | | AO 80 | | AO 120 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | Shaft | min⁻¹ | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 60 | 30 | 6 | 12700 | 10 | **0063-006 030** | | **0083-006 030** | | **0123-006 030** | |

POWER DRILLS AND HIGH-SPEED MACHINES

Appearance can vary from picture depending on variant.




## COATED ABRASIVE AND NON-WOVEN COMBI FLAP WHEELS

**SUPERIOR** ★★★★☆

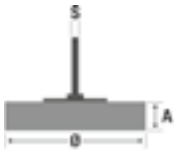
Combi flap wheel with coated abrasives and non-woven material, industrial quality, for use on high-speed machines

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

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

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

Appearance can vary from picture depending on variant.




## NON-WOVEN ABRASIVE FLAP WHEELS

**SUPERIOR** ★★★★☆

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

- Fine and harmonious surface finish du 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

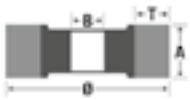
**Applications:** Matting, satin and final finishing

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

**Good to know ...**

More variants of our flap wheels start on page 164.

Appearance can vary from picture depending on variant.




## 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

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

| | | | | | Grit 40 | | Grit 60 | | Grit 80 | | Grit 120 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | RRP (€) | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 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

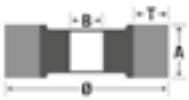
Appearance can vary from picture depending on variant.

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

| | | | | | Grit 60 / coarse | | Grit 80 / medium | | Grit 120 / fine | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 100 | 19 | 5000 | 1 | **0063-410 100** | | 0083-410 100 | | **0123-410 100** | |
| 100 | 100 | 19 | 5000 | 1 | 8203-410 100 | | | | | |

## SATINISING MACHINES

Appearance can vary from picture depending on variant.




# NON-WOVEN (SATIN) FINISHING ROLLERS

### SUPERIOR ★★★★☆

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

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

**Applications:** For creating satin finished surfaces

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

| | | | | | Grit 80 / coarse | | Grit 180 / fine | | Grit 320 / very fine | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | min-1 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
| 100 | 100 | 19 | 5000 | 1 | **0083-310 100** | | **0183-310 100** | | 0283-310 100 | |
| 100 | 100 | 19 | 5000 | 1 | 8203-310 100 | | | | | |

## SISAL/CLOTH FOLDED BUFFS

**SUPERIOR** ★★★★☆

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

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 19/6 | 4000 | 1 | 2103-100 944 | |

## COTTON CLOTH MEDIUM SOFT FOLDED BUFFS

**SUPERIOR** ★★★★☆

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

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 19/6 | 4000 | 1 | 2103-100 896 | |

## COTTON CLOTH SOFT FOLDED BUFFS

**SUPERIOR** ★★★★☆

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

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 100 | 19/6 | 4000 | 1 | 2103-100 643 | |

STATIONARY MACHINES

## POLISHING KIT FOR STATIONARY MACHINES, 3 PC.

**SUPERIOR** ★★★★☆

Universal folded buff kit, for use on stationary machines. In conjunction with our polishing compounds (Page 214), excellently suited to virtually all polishing and finishing applications

**Contains:**

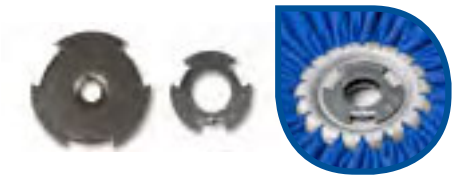
- 1 x blue cotton cloth (for cutting)
- 1 x marked cotton cloth, 215 (for polishing)
- 1 x cream-coloured cotton cloth (for colouring)

**It is preferable to order at the same time:**
The right adapter for reducing the bore is on page 228

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

| Ø | B | min$^{-1}$ | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 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.



## INTERCHANGEABLE METAL ADAPTERS

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

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

## TAPERED SHANK

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

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

| Ø | S | | Order no. | € per pcs |
|---|---|---|---|---|
| 10-35 | 6 | 4 | **8103-800 224** | |

# INDUSTRIAL BRUSHES


INTERNAL FINISHING

- SITUFT 230
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Appearance can vary from picture depending on variant.

# SITUFT®, CRIMPED OSBORN WIRE

## EVOLUTION ★★★★★

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

- Brushes can be placed into drill chucks, collet chucks and tool spindles
- Use with optional holder possible in clockwise/counter-clockwise direction
- Only clockwise direction possible when used without holder
- The flexibility of the brush increases with increasing brush diameter

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

+

Brushes denoted by an asterisk are also available as kit. See Page 243

| | | | | | | Osborn steel / 0.08 | | Osborn steel / 0.13 | | Osborn steel / 0.20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W | Ø | A | L | S | | 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** * | | | |
| 14 | 14.5 | 16 | 54 | 3.18 | 12 | 9907-035 081 | | **9907-035 082** | | 9907-035 083 * | |
| 16 | 16.3 | 16 | 54 | 3.18 | 12 | 9907-035 086 | | **9907-035 087** * | | 9907-035 088 | |
| 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 | | 9907-035 098 * | |
| 22 | 22.8 | 16 | 57 | 3.18 | 12 | | | 9907-035 107 | | | |
| 25 | 26 | 16 | 57 | 3.18 | 12 | | | 9907-035 117 | | **9907-035 118** * | |
| 29 | 29.8 | 16 | 57 | 3.18 | 12 | | | 9907-035 127 | | 9907-035 128 | |
| 32 | 32.6 | 16 | 57 | 3.18 | 12 | | | 9907-035 137 | | 9907-035 138 * | |

| | | | | | | Osborn INOX / 0.13 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W | Ø | A | L | S | | Order no. | € | Order no. | € | Order no. | € |
| 6 | 6.7 | 14 | 54 | 2.38 | 12 | 9907-035 181 | | | | | |
| 13 | 13.1 | 14 | 54 | 3.18 | 12 | 9907-035 197 | | | | | |
| 19 | 20.1 | 16 | 54 | 3.18 | 12 | 9907-035 213 | | | | | |
| 16 | 16.3 | 16 | 54 | 3.18 | 12 | 9907-035 205 | | | | | |
| 22 | 22.8 | 16 | 57 | 3.18 | 12 | 9907-035 221 | | | | | |

HELITUF

Appearance can vary from picture depending on variant.

## HELITUF®, CRIMPED OSBORN WIRE
### EVOLUTION ★★★★★

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

- The spiral-shaped trim arrangement simulates a stroke movement and the material cut previously is conveyed perfectly out of the bore
- The brushes can be placed into drill chucks and tool spindles. It is also possible to fit them into collet chucks using Helituf holders.
- Uniform working

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

\+ Brushes denoted by an asterisk are also available as kit. See Page 243

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

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

Appearance can vary from picture depending on variant.

# TUBE BRUSHES, SINGLE SPIRAL, CRIMPED WIRE

## SUPERIOR ★★★★☆

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

- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Dense, flexible trim 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 244

| | | | | | Steel / 0.15 | | Steel / 0.20 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | G | | Order no. | € | 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 | | Order no. | € | Order no. | € | 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

Appearance can vary from picture depending on variant.

## TUBE BRUSHES, SINGLE SPIRAL, STRAIGHT WIRE

**SUPERIOR** ★★★★☆

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

- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Dense, flexible trim 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 244

| | | | | | Steel / 0.35 | | Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | G | | Order no. | € | Order no. | € | Order no. | € |
| 63 | 100 | 160 | 1/2” BSW | 5 | **0002-808 163** | | | | | |
| 75 | 100 | 160 | 1/2” BSW | 5 | 0002-808 175 | | | | | |
| 100 | 100 | 160 | 1/2” BSW | 5 | | | 0002-808 100 | | | |

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 trim density with dual spiral system
- Also suitable for manually working with a wire handle to penetrate into deeper bores
- Can be used in bores with contour

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

Wire handles for extending the brushes with different connection threads are on Page 244

| | | | | | Steel / 0.25 | | Steel / 0.30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | G | | Order no. | € | Order no. | € | 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** | | | |

| | | | | | Steel / 0.40 | | Steel / 0.50 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | G | | Order no. | € | Order no. | € | Order no. | € |
| 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** | | | |

### TUBE BRUSHES

Appearance can vary from picture depending on variant.

## MICRO-ABRASIVE TUBE BRUSHES, ABRASIVE TRIM

**SUPERIOR** ★★★★☆

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

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

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

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

Appearance can vary from picture depending on variant.

# TUBE BRUSHES, ABRASIVE TRIM

## SUPERIOR ★★★★☆

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

- High flexibility yet comparatively high deburring rate
- Retention of the edge geometry without significant rounding
- Can be used on manually operated machines as well as 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%.

| | | | | Novofil 80 | | Novofil 120 | | Novofil 320 | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | | Order no. | € | Order no. | € | Order no. | € |
| 6 | 50 | 125 | 12 | | | **0003-056 306** | | **0003-056 326** | |
| 7 | 50 | 125 | 12 | | | 0003-056 307 | | 0003-056 327 | |
| 8 | 50 | 125 | 12 | | | **0003-056 308** | | **0003-056 328** | |
| 10 | 50 | 125 | 12 | 0003-056 010 | | **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

Appearance can vary from picture depending on variant.

## TUBE BRUSHES, NYLON-DIAMOND

**SUPERIOR** ★★★★☆

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 trim 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%.

| | | | | | Nylon / grit 400 | | Nylon / grit 800 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | S | | Order no. | € | Order no. | € | Order no. | € |
| 2 | 20 | 100 | 1 | 2 | **0008-852 002** * | | | | | |
| 2 | 20 | 100 | 1 | 10 | | | 0008-852 802 | | | |
| 2.5 | 20 | 100 | 1 | 2 | **0018-852 002** * | | | | | |
| 3 | 20 | 100 | 1.5 | 2 | **0008-852 003** * | | | | | |
| 3.5 | 20 | 100 | 1.5 | 2 | | | 0008-852 803 | | | |
| 3.5 | 20 | 100 | 1.5 | 10 | **0018-852 003** * | | 0018-852 803 | | | |
| 4 | 20 | 115 | 3 | 2 | **0008-852 004** | | 0008-852 804 | | | |
| 5 | 20 | 115 | 3 | 2 | **0008-852 005** | | **0008-852 805** | | | |
| 6 | 20 | 115 | 3 | 2 | **0008-852 006** | | **0008-852 806** | | | |
| 7 | 20 | 115 | 3 | 2 | 0008-852 007 | | **0008-852 807** | | | |
| 8 | 20 | 115 | 3 | 2 | **0008-852 008** | | 0008-852 808 | | | |
| 9 | 20 | 115 | 3 | 2 | 0008-852 009 | | 0008-852 809 | | | |
| 10 | 20 | 115 | 4 | 2 | **0008-852 010** | | 0008-852 810 | | | |
| 12 | 20 | 115 | 6 | 2 | **0008-852 012** | | 0008-852 812 | | | |
| 15 | 20 | 115 | 6 | 2 | 0008-852 015 | | 0008-852 815 | | | |
| 17 | 20 | 115 | 6 | 2 | 0008-852 017 | | | | | |
| 19 | 20 | 115 | 6 | 2 | 0008-852 019 | | | | | |
| 19 | 20 | 115 | 6 | 10 | | | 0008-852 819 | | | |
| 22 | 20 | 115 | 6 | 2 | 0008-852 022 | | | | | |
| 25 | 20 | 115 | 6 | 2 | 0008-852 025 | | | | | |
| 25 | 20 | 115 | 6 | 10 | | | 0008-852 825 | | | |

* Without brass sheath

Appearance can vary from picture depending on variant.

# HONING TOOL NOVOFLEX-B®, ABRASIVE TRIM

## 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.

| | | | | | | Abr. bristle / grit SIC 120 | | Abr. bristle / grit SIC 180 | | Abr. bristle / grit SIC 240 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W | Ø | A | L | S | | Order no. | € | Order no. | € | Order no. | € |
| 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 | 3.6 | 1 | **9818-036 312** | | **9828-036 312** | | | |
| 12 | 13 | 60 | 200 | 3.6 | 1 | **9818-036 313** | | **9828-036 313** | | 9838-036 313 | |
| 14 | 15.5 | 60 | 200 | 3.6 | 1 | **9818-036 316** | | **9828-036 316** | | 9838-036 315 | |
| 16 | 18 | 60 | 200 | 4.6 | 1 | **9818-036 318** | | **9828-036 318** | | 9838-036 318 | |
| 18 | 20 | 60 | 200 | 4.6 | 1 | **9818-036 320** | | **9828-036 320** | | 9838-036 320 | |
| 20 | 22 | 70 | 200 | 4.6 | 1 | **9818-036 322** | | **9828-036 322** | | **9838-036 322** | |
| 22 | 25 | 70 | 200 | 4.6 | 1 | **9818-036 325** | | **9828-036 325** | | 9838-036 325 | |
| 24 | 27 | 70 | 200 | 5.1 | 1 | **9818-036 327** | | **9828-036 327** | | | |
| 25 | 28 | 70 | 200 | 5.1 | 1 | **9818-036 328** | | **9828-036 328** | | **9838-036 328** | |
| 27 | 30 | 70 | 200 | 5.1 | 1 | **9818-036 330** | | **9828-036 330** | | 9838-036 330 | |
| 29 | 32 | 70 | 200 | 5.1 | 1 | **9818-036 332** | | **9828-036 332** | | **9838-036 332** | |
| 32 | 35 | 70 | 200 | 5.7 | 1 | **9818-036 335** | | **9828-036 335** | | 9838-036 335 | |
| 35 | 38 | 70 | 200 | 5.7 | 1 | **9818-036 338** | | **9828-036 338** | | | |
| 38 | 41 | 70 | 200 | 5.7 | 1 | **9818-036 341** | | **9828-036 341** | | | |
| 41 | 45 | 70 | 200 | 5.7 | 1 | **9818-036 345** | | **9828-036 345** | | | |
| 45 | 48 | 70 | 200 | 5.7 | 1 | **9818-036 348** | | **9828-036 348** | | | |
| 48 | 51 | 70 | 200 | 6.5 | 1 | **9818-036 351** | | **9828-036 351** | | | |
| 51 | 54 | 70 | 200 | 6.5 | 1 | **9818-036 354** | | **9828-036 354** | | | |
| 54 | 57 | 70 | 200 | 6.5 | 1 | **9818-036 357** | | **9828-036 357** | | | |
| 57 | 60 | 70 | 200 | 7.3 | 1 | **9818-036 360** | | **9828-036 360** | | 9838-036 360 | |
| 60 | 64 | 70 | 200 | 7.3 | 1 | **9818-036 364** | | **9828-036 364** | | | |

NOVOFIL

Appearance can vary from picture depending on variant.

## NOVOFLEX-H®, NOVOFIL®-WF TRIM

**EVOLUTION** ★★★★★

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

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

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

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

| | | | | | Abr. bristle / grit 120 | | Abr. bristle / grit 320 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | S | | Order no. | € | Order no. | € | Order no. | € |
| 19 | 22 | 90 | 3.18 | 6 | 9907-036 478 | | | | | |
| 26 | 23 | 86 | 3.18 | 12 | 9907-036 302 | | | | | |
| 26 | 32 | 86 | 3.18 | 1 | | | 9907-036 303 | | | |
| 35 | 50 | 125 | 6.35 | 2 | 9907-036 484 | | | | | |
| 38 | 50 | 125 | 6.35 | 2 | 9907-036 304 | | 9907-036 305 | | | |
| 46 | 50 | 125 | 6.35 | 2 | 9907-036 489 | | | | | |
| 56 | 50 | 125 | 6.35 | 2 | 9907-036 486 | | | | | |
| 63 | 89 | 160 | 9.53 | 2 | 9907-036 308 | | | | | |
| 76 | 102 | 160 | 9.53 | 2 | **9907-036 310** | | 9907-036 311 | | | |
| 89 | 102 | 160 | 9.53 | 2 | 9907-036 312 | | | | | |
| 102 | 102 | 160 | 9.53 | 2 | 9907-036 314 | | 9907-036 315 | | | |
| 115 | 102 | 152 | 9.53 | 2 | **9907-036 316** | | | | | |
| 115 | 102 | 152 | 9.53 | 6 | | | 9907-036 317 | | | |
| 140 | 127 | 235 | 12.7 | 2 | 9907-036 320 | | | | | |

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 / 0.15 | | Steel / 0.20 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | | Order no. | € | Order no. | € | Order no. | € |
| 15 | 100 | 280 | 10 | **0002-892 215** | | | | | |
| 20 | 100 | 280 | 10 | | | **0002-892 220** | | | |
| 25 | 100 | 280 | 10 | | | **0002-892 225** | | | |

### NOZZLE CLEANING BRUSHES

Appearance can vary from picture depending on variant.

## NOZZLE CLEANING BRUSHES, WIRE/NYLON

**SUPERIOR** ★★★★☆

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

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

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

| | | | | Steel, crimped | | Brass, crimped | | INOX, crimped | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | | Order no. | € | Order no. | € | Order no. | € |
| 4 | 100 | 300 | 20 | | | **0003-816 504** | | **0003-816 304** | |
| 4 | 100 | 320 | 20 | **0003-816 204** | | | | | |
| 5 | 100 | 300 | 20 | | | **0003-816 505** | | 0003-816 305 | |
| 5 | 100 | 320 | 20 | **0003-816 205** | | | | | |
| 6 | 100 | 320 | 20 | **0003-816 206** | | **0003-816 506** | | **0003-816 306** | |
| 8 | 100 | 300 | 20 | | | | | 0003-816 308 | |
| 8 | 100 | 320 | 20 | **0003-816 208** | | **0003-816 508** | | | |
| 10 | 100 | 300 | 20 | | | **0003-816 510** | | | |
| 10 | 100 | 320 | 20 | **0003-816 210** | | | | **0003-816 310** | |
| 12 | 100 | 300 | 20 | **0003-816 212** | | | | **0003-816 312** | |
| 12 | 100 | 320 | 20 | | | **0003-816 512** | | | |
| 15 | 100 | 300 | 20 | **0002-816 215** | | **0002-816 515** | | **0002-816 315** | |
| 18 | 100 | 300 | 20 | **0002-816 218** | | **0002-816 518** | | 0002-816 318 | |
| 20 | 100 | 300 | 20 | **0002-816 220** | | **0002-816 520** | | **0002-816 320** | |
| 25 | 100 | 300 | 20 | **0002-816 225** | | **0002-816 525** | | **0002-816 325** | |

| | | | | Nylon | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | A | L | | Order no. | € | Order no. | € | Order no. | € |
| 4 | 100 | 300 | 20 | **0003-816 804** | | | | | |
| 5 | 100 | 300 | 20 | **0003-816 805** | | | | | |
| 6 | 100 | 300 | 20 | **0003-816 806** | | | | | |
| 8 | 100 | 300 | 20 | **0003-816 808** | | | | | |
| 10 | 100 | 300 | 20 | **0003-816 810** | | | | | |
| 12 | 100 | 300 | 20 | **0003-816 812** | | | | | |
| 15 | 100 | 300 | 20 | **0003-816 815** | | | | | |
| 18 | 100 | 300 | 20 | **0003-816 818** | | | | | |
| 20 | 100 | 300 | 20 | **0003-816 820** | | | | | |
| 25 | 100 | 300 | 20 | **0003-816 825** | | | | | |

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 trim 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 | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 15/25 | 65 | 120 | 12 | **0008-493 100** | | | | | |

Appearance can vary from picture depending on variant.

## FITTING BRUSHES, STEEL WIRE

**SUPERIOR** ★★★★☆

Fitting brush with plastic handle, industrial quality

- Quick and efficient cleaning
- Sturdy handle with pin hole

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

**Steel, straight**

| Ø | A | L | | Order no. | € per pcs | Order no. | € per pcs | Order no. | € per pcs |
|---|---|---|---|---|---|---|---|---|---|
| 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 | | Order no. | € | Order no. | € | Order no. | € |
|---|---|---|---|---|---|---|---|---|---|
| 125 | 120 | 2000 | 10 | 0002-824 213 | | | | | |
| 125 | 120 | 3000 | 10 | **0002-825 213** | | | | | |
| 140 | 120 | 3000 | 10 | 0002-825 214 | | | | | |
| 160 | 120 | 3000 | 10 | **0002-825 216** | | | | | |

### SETS

## SITUFT® KIT, CRIMPED OSBORN WIRE
### EVOLUTION ★★★★★

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

- Brushes can be placed into drill chucks, collet chucks and tool spindles
- Use with holder (included) possible in clockwise/counter-clockwise direction
- Only clockwise direction possible when used without holder
- 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


The individual brushes in this kit are denoted by an asterisk on Page 230.

| | Order no. | € | Order no. | € | Order no. | € |
|---|---|---|---|---|---|---|
| 1 | **9907-035 000** | | | | | |

## HELITUF® KIT, CRIMPED OSBORN WIRE
### EVOLUTION ★★★★★

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

- The spiral-shaped trim arrangement simulates a stroke movement and the material cut previously is conveyed perfectly out of the bore
- Brushes can be placed into drill chucks and tool spindles. It is also possible to fit them into collet chucks using the Helituf holder included.
- Uniform working

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


The individual brushes in this kit are denoted by an asterisk on Page 231.

| | Order no. | € | Order no. | € | Order no. | € |
|---|---|---|---|---|---|---|
| 1 | **9907-036 000** | | | | | |

# WIRE HANDLE

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

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

**Steel**

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

# BRUSH TECHNOLOGY INDUSTRIAL

## NOVOTEC WHEEL BRUSH WITH NOVOFIL®-DR TRIM MATERIAL

Appearance can vary from picture depending on variant.

# NOVOTEC WHEEL BRUSHES

## EVOLUTION ★★★★★

**Individual disc brushes wound around a steel flange and with very narrow working widths. The cutting speed is about 15 m/s (oscillating).**

### Trim 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.

| | | | | | Grit 240 | | Grit 400 | | Grit 600 | | Grit 800 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | A | B | RPM | | Order no. | € | Order no. | € | Order no. | € | Order no. | € |
| 150 | 4 | 20 | 2800 | 1 | 2401-901 924 | * | **4001-901 924** | * | **6001-901 924** | * | 1201-901 924 | * |
| 150 | 8 | 20 | 2800 | 1 | **2401-902 924** | * | **4001-902 924** | * | **6001-902 924** | * | 6201-902 924 | * |
| 200 | 4 | 20 | 1400 | 1 | 2401-901 926 | * | 4001-901 926 | * | **6001-901 926** | * | 1911-901 926 | * |
| 200 | 8 | 20 | 1400 | 1 | 2401-902 926 | * | 4001-902 926 | * | 6001-902 926 | * | 6901-902 926 | * |

* Prices on request

# BRUSH TECHNOLOGY INDUSTRIAL

## ATB® - ADVANCED TECHNOLOGY BRUSH SYSTEM

# HIGH-TECH BRUSHES FOR AUTOMATED DEBURRING

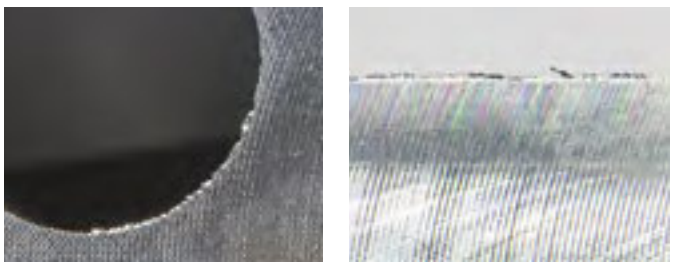
## EDGE ROUNDING WITHOUT CHANGING THE WORKPIECE GEOMETRY

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

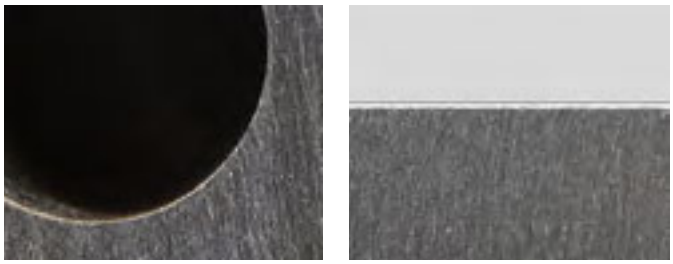
Our ATB® brushes are available to you with a large selection of abrasive bristles having **silicone carbide** or **ceramic** trim, with different grit sizes and filament diameters.

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.

### GENERAL INFORMATION

**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, nippled 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 TRIM DENSITY MINIMUM PROCESS COSTS

ATB® brushes have trim 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.

**Clever design**

- Standardised face mill arbors and shell mill mounts
- High levels of form stability and concentricity
- Bristles are securely casted
- Extremely dense trim surface

**High-tech bristles**

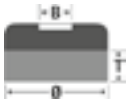
- High abrasive grit content for effective deburring
- Use with coolant possible/recommended
- Can be tailored to any material machined
- The abrasion-resistant bristles are excellent at righting their positions
- Planar trim surface
- Aggressive brushing effect

## 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.




| | | | | | Grit 80 | | Grit 120 | | Grit 180 | | Grit 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | For clamping fixture | | 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** | * |

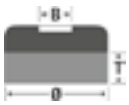
* Prices on request

## 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.




| | | | | | Grit 80 | | Grit 120 | | Grit 180 | | Grit 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | For clamping fixture | | 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 | * | 3341-604 916 | * | 3431-604 916 | * |
| 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** | * | | |

* Prices on request

ATB® BRUSHES

## CLAMPING FIXTURES FOR ATB® DISC BRUSHES

Appearance can vary from picture depending on variant.

| | | INDEX K / Ø 50 mm | | INDEX L / Ø 76 mm | | INDEX L / Ø 85 mm | | INDEX L / Ø 106 mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Clamping fixture | | Order no. | € | Order no. | € | Order no. | € | Order no. | € | Order no. | € |
| **With shank (Ø 12 mm) and clamping DIN 6535-HB** | 1 | **6601-604 912** | * | **6601-604 912** | * | 6601-604 912 | * | 6601-604 912 | * | | |

* Prices on request

| | | INDEX C / Ø 125 mm | | INDEX D / Ø 150 mm | | INDEX E / Ø 175 mm | | INDEX F / Ø 200 mm | | INDEX G / Ø 250 mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Clamping fixture | | Order no. | € | Order no. | € | Order no. | € | Order no. | € | Order no. | € |
| **For inclusing on clamping cones HSK/SK tool holder** | 1 | **3602-075 000** | * | **3612-075 000** | * | 3622-075 000 | * | 3692-075 000 | * | **1922-075 000** | * |

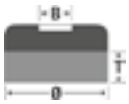
* Prices on request

## TOOL HOLDERS

Appearance can vary from picture depending on variant.

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

* Prices on request



Appearance can vary from picture depending on variant.

## ATB® BRUSHES WITH MAXIMUM FILL DENSITY, FOR SHELL MILL MOUNT

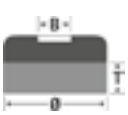
**EVOLUTION ★★★★★**

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

| | | | | | Grit 80 | | Grit 120 | | Grit 180 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | For fixture | | 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 16 with groove | Direct to shell mill holder | 1 | 6301-604 913 | * | 6311-604 913 | * | 6321-604 913 | * |
| 76 | 35 | Ø 22 with groove | Direct to shell mill holder | 1 | 5521-604 913 | * | 5511-604 913 | * | 5501-604 913 | * |
| 106 | 35 | Ø 16 with groove | Direct to shell mill holder | 1 | 5431-604 914 | * | 5511-604 914 | * | 5441-604 914 | * |
| 106 | 35 | Ø 22 with groove | Direct to shell mill holder | 1 | 5501-604 914 | * | 5791-604 914 | * | 5521-604 914 | * |
| 106 | 35 | Ø 27 with groove | Direct to shell mill holder | 1 | 5601-604 914 | * | 5611-604 914 | * | 5621-604 914 | * |
| 125 | 35 | Ø 16 with groove | Direct to shell mill holder | 1 | 6751-604 916 | * | 6801-604 916 | * | 6631-604 916 | * |
| 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 | * |
| 150 | 35 | Ø 27 with groove | Direct to shell mill holder | 1 | 6781-604 916 | * | 6831-604 916 | * | 6661-604 916 | * |

* Prices on request

Appearance can vary from picture depending on variant.



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

| | | | | | Grit 80 | | Grit 120 | | Grit 180 | | Grit 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø | T | B | For mounting | | Order no. | € | Order no. | € | Order no. | € | Order no. | € |
| 150 | 25 | Ø 25/35 + 2 Driving holes | TURBO – NEUTRAL | 1 | **3141-604 916** | * | 3241-604 916 | * | 3351-604 916 | * | 3441-604 916 | * |
| 150 | 25 | Ø 25/35 + 2 Driving holes | TURBO – angled RIGHT | 1 | 3181-604 916 | * | 3281-604 916 | * | 3391-604 916 | * | 3481-604 916 | * |
| 150 | 25 | Ø 25/35 + 2 Driving holes | TURBO – angled LEFT | 1 | 3161-604 916 | * | 3261-604 916 | * | 3371-604 916 | * | 3461-604 916 | * |

* Prices on request

# STRIP BRUSHES


GENERAL INFORMATION 254

STRIP BRUSHES 255

BROOMATE 256

# STRIP BRUSHES – VERSATILE ALL-ROUNDERS

## STRIP BRUSHES AND ALUMINIUM RETAINING RAILS

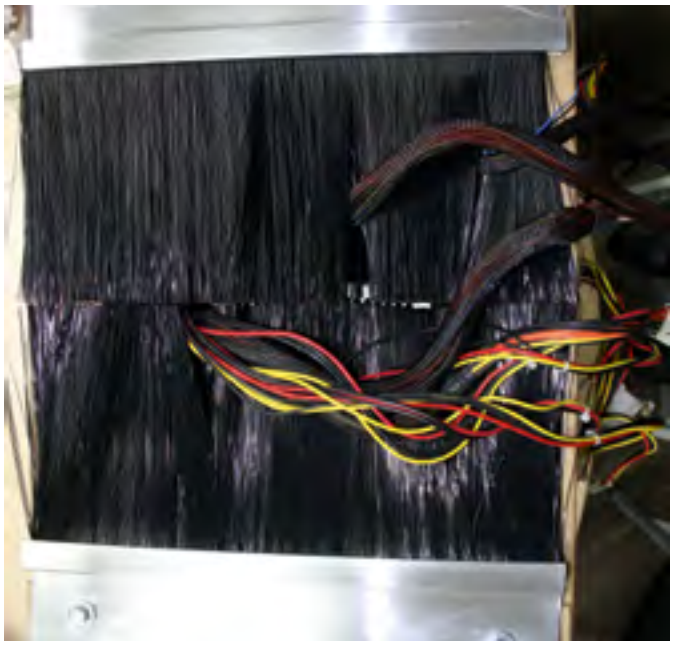
Find the perfect solution for your individual application with the strip brushes from Osborn.

**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.



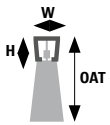
## BRUSHES WITH HORSE HAIR TRIM

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

Strip brushes from Osborn with horse hair trim 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 trim ensures optimal thermal insulation. **They are available in standard lengths of 1000 and 2000 mm**, including the 180° aluminium retaining rails.

Appearance can vary from picture depending on variant.




## STRIP BRUSHES WITH NYLON TRIM

**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.

### 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 | **0904-905 822** | |

### Type A retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 13.5 | 4.4 | 4 | **0114-906 000** | |
| 90° | 14 | 5.2 | 5.7 | **0214-906 000** | |

### Type B strip brushes:

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

### Type B retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 15 | 7.3 | 7 | **0124-906 000** | |
| 90° | 16 | 7.3 | 7 | **0224-906 000** | |

### Type E strip brushes:

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

### Type E retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 27 | 8.2 | 10 | **0144-906 000** | |
| 90° | 27 | 9 | 10 | **0244-906 000** | |

### Type K strip brushes:

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

### Type K retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 30 | 10 | 12 | **0154-906 000** | |
| 90° | 37 | 12 | 12 | **0254-906 000** | |

### Type F strip brushes:

| OAT | L | W | H | PA6 Ø | Order no. | € |
|---|---|---|---|---|---|---|
| 60 | 3000 | 7.8 | 8.7 | 0.50 | **0904-905 856** | |
| 75 | 3000 | 7.8 | 8.7 | 0.30 | **0904-905 847** | |
| 115 | 3000 | 7.8 | 8.7 | 0.50 | **0904-905 859** | |
| 60 | 3000 | 7.8 | 8.7 | 0.90 | **0904-905 896** | |

### Type F retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 33 | 12 | 13 | **0164-906 000** | |
| 90° | 41 | 13 | 14 | **0264-906 000** | |

### Type L strip brushes:

| OAT | L | W | H | PA6 Ø | Order no. | € |
|---|---|---|---|---|---|---|
| 230 | 3000 | 11.4 | 12.5 | 0.90 | **0904-905 899** | |
| 150 | 3000 | 11.4 | 12.5 | 0.60 | **0904-905 869** | |

### Type L retaining rail:

| Profile | GH | PW | PH | Order no. | € |
|---|---|---|---|---|---|
| 180° | 68 | 18 | 17 | **0174-906 000** | |
| 90° | 62 | 17 | 18 | **0274-906 000** | |

Appearance can vary from picture depending on variant.

## STRIP BRUSHES WITH HORSE HAIR TRIM

**SUPERIOR** ★★★★☆

Strip brushes including aluminium retaining rail, h profile 180°, with horse hair trim for the perfect sealing of doors, gates and windows.

| T | L | GH | | Order no. | € per pcs |
|---|---|---|---|---|---|
| 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 | |
| 45 | 2000 | 70 | 10 | 0034-906 955 | |

Strip brush mounting 5x5 mm, galvanised steel

## BROOMATE® – THE BROOM FOR INDUSTRY

At production facilities, there are a lot of areas that need to be cleaned continually. Osborn has developed a sweep solution that meets this need - that is simple, professional and affordable. Our broom is made of high quality strip brushes that are inserted under a galvanized steel hood having a thickness of 5 mm.

The Osborn Broomate® can be attached to a whole range of industrial vehicles and cleans up all kinds of dirt, including liquids. There are no rotating or electrical parts. Just attach the broom to your vehicle - done!

**For further information:**

Scan the QR code and watch the product video or download the entire brochure.

www.broomate.com

**Maintenance-free**
- Simple and affordable cleaning solution
- No hydraulics, no motor, no rotating or electrical parts
- Easy to clean with water or high-pressure washer

**Sturdy**
- 5 mm galvanized steel hood, fork shoes and protective side plates

**Diverse attachment options**
- The large selection of optional adapters enables it to be attached quickly and easily to virtually any vehicle deployed in industry and agriculture.

**Long service life**
- Strip brushes can be used for up to 1000 kilometres.

**Environmentally-friendly**
- All parts can be recycled
- Motor oil and electric power are not required

**Simple to exchange**
- The brush strips can be replaced in an instant
- Simply open the lock, pull out the old strips, push in the new strips and close the lock



**Part numbers in bold**: available from stock. Other dimensions, wire types and grits on request: service@osborn.de
Prices per piece, not including VAT. Recommended retail prices. All lengths in mm.

# DIAMOND CUTTING DISCS


GENERAL INFORMATION 258

UNIVERSAL DIAMOND CUTTING DISCS 270

DIAMOND CUTTING DISCS FOR STONE SLABS 275

DIAMOND CUTTING DISCS FOR TILES / FINE STONEWARE 277

DIAMOND CUTTING DISCS FOR CONCRETE 280

DIAMOND CUTTING DISCS FOR NATURAL STONE 282

DIAMOND CUTTING DISCS FOR ABRASIVE STONES / ASPHALT / MORTAR 283

# DIAMOND CUTTING DISCS
# GENERAL INFORMATION

## TESTED SAFETY

When it comes to safety and quality, DRONCO 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

**Quality line**

**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

**Standards**

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

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

**Dimension:**
Outer diameter,
diameter of the bore

**Field of application**

**Indicates special additional features**

GENERAL INFORMATION

# THE RIGHT TOOL
# FOR EVERY TASK

# 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

**QR code**
Further product information can be accessed via the QR code on the packaging

**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

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

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

Recommendations for use in 16 languages on back side of packaging

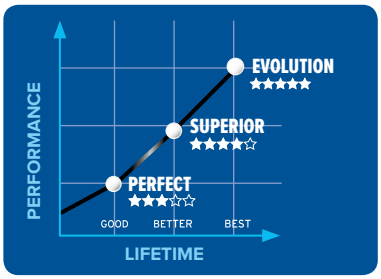
**The segment check**
'Feel the power." The hole in the packaging lets customers see and feel the diamond segments

GENERAL INFORMATION

# QUALITY LINES
# FOR EVERY REQUIREMENT

## THREE QUALITY LINES THAT FOLLOW THE GOOD-BETTER-BEST PRINCIPLE

Ranging from solid craftsman's quality – which is used and appreciated by semi-pros as well – up to top-class, high-power tools for intensive use on construction sites. We offer you just the right tool for every requirement.




## ★★★★★ EVOLUTON

High-power tools with outstanding performance. For intensive professional use that subjects the tool to the highest quality requirements. Maximum cutting speed and outstanding service life. Broad range of applications. You'll recognise the Evolution and Xtreme Line by its label with five or seven stars.

BEST

## ★★★★☆ SUPERIOR

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

BETTER

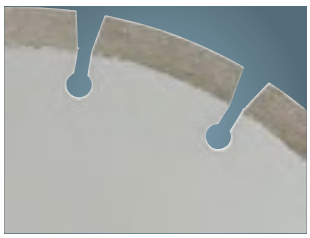
## ★★★☆☆ PERFECT

The cost-effective range of discs for versatile tasks in recognised craftsman's quality. Good service life and rapid cutting at an attractive price. For users who value quality but don't require a high-performance tool for long-term use. You'll recognise the Perfect Line by its label with three stars.

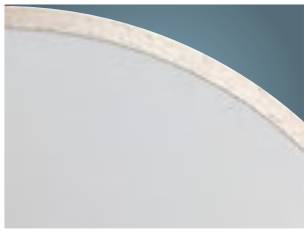
GOOD

# CORE GEOMETRY

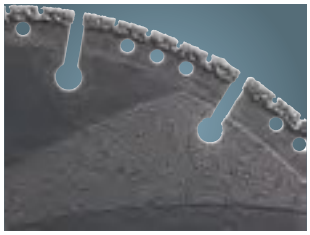
## CORE SHAPES



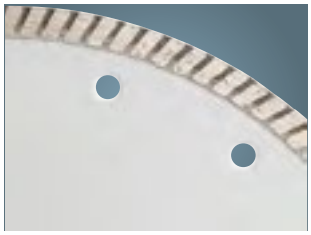
**Normal segmentation (C3)**
- Narrow slots with slot holes
- Good heat resistance
- Good material removal



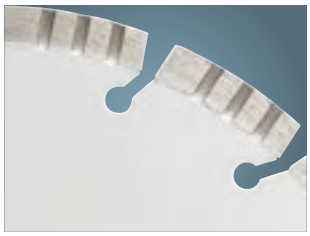
**Continuous cutting rim (GRF)**
- Smooth running
- Clean cut edges



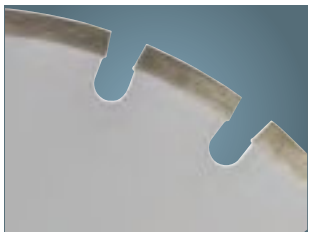
**Normal segmentation (C3), diamond brazed**
- Narrow slots with slot holes
- Segments are coated with diamonds during vacuum-brazing process
- Good material removal



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

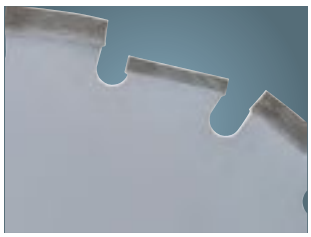


**Turbo segmentation (C3)**
- Narrow slots with slot holes
- Fast, aggressive cutting
- Longer service life



**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

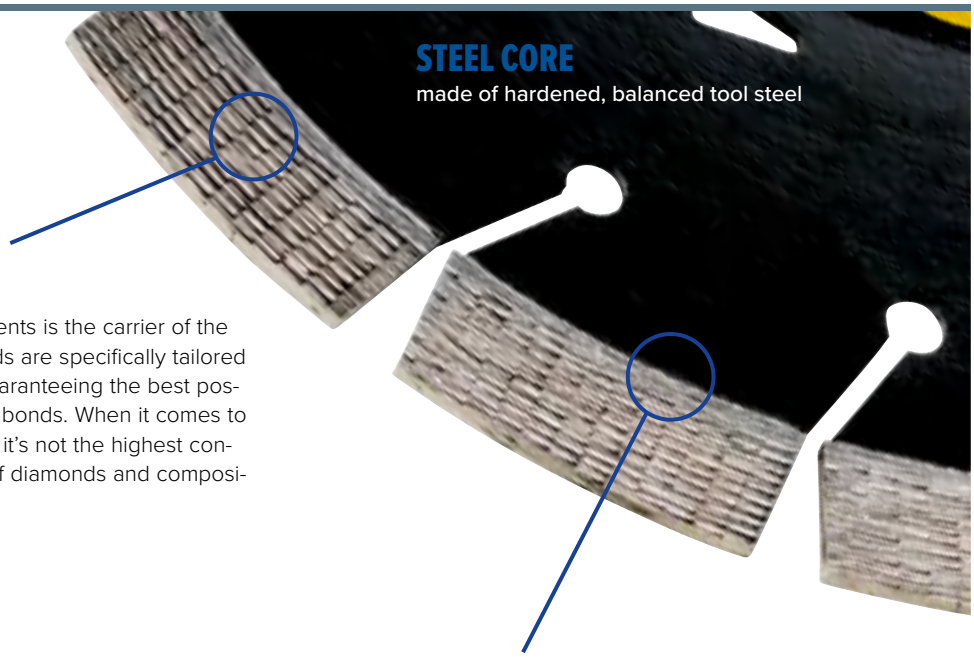
## FOR SIGNIFICANTLY REDUCED VIBRATIONS AND NOISE

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

protect
low noise | low vibration

GENERAL INFORMATION

# DISC STRUCTURE



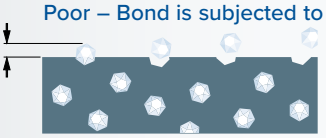

## DIAMOND SEGMENT

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

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.

## 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.

## DRY CUTTING DISCS

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

## WET CUTTING BLADES

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

# 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 pagePage 266 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

# DIAMOND CUTTING DISCS

**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
Blue

## ABRASIVE STONE
Red

# APPLICATION TABLE
# DIAMOND CUTTING DISCS

●●● extremely suitable
●● very suitable
● suitable
◒ limited suitability

| | 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.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UNIVERSAL / CONSTRUCTION SITE MATERIALS** | | | | | | | | | | | | | | | | |
| ST-7 QUALITY | 268 | | | | ● | | ● | | | | | | | | | |
| U3 PERFECT | 268 | | | | ● | | ● | | | | | | | | | |
| U4 SUPERIOR | 269 | | ● | | ●● | ● | ● | ● | ● | | ● | | | | | |
| U4 SPEED SUPERIOR | 270 | | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● | ● | ●● | | | | |
| DB4 SUPERIOR | 270 | | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ● | ●● | | | | |
| U4 PROTECT SUPERIOR | 271 | | ●● | ●● | ●● | ●● | ●● | ●● | ●● | | ● | ●● | | | | |
| U5 SPEED EVOLUTION | 272 | ● | ●● | ●● | ●●● | ●●● | ●●● | ●●● | ●● | | ● | ●● | | ●● | | |
| U5 PROTECT EVOLUTION | 273 | ● | ●● | ●● | ●●● | ●●● | ●●● | ●●● | ●● | | ● | ●● | | ● | | |
| U7 SPEED XTREME | 274 | ● | ●● | ●● | ●●● | ●●● | ●●● | ●●● | ●● | | ● | ●● | | ●● | | |
| **STONE SLABS / ROOFING TILES** | | | | | | | | | | | | | | | | |
| S3 TURBO PERFECT | 275 | | | | ● | | ●● | | ● | | | | ◒ | | ● | |
| S5 TURBO EVOLUTION | 275 | | | | ●● | | ●●● | | ●●● | | | | ● | ◒ | ● | |
| S5 TURBO PROTECT EVOLUTION | 276 | | | | ●● | | ●●● | | ●●● | | | | ● | ◒ | ● | |
| **TILES / STONEWARE** | | | | | | | | | | | | | | | | |
| F3 PERFECT | 277 | | | | | | | | ● | | | | | | ●● | |
| F4 CERA SUPERIOR | 278 | | | | ● | | ● | | ●●● | | | | ●●● | | ●●● | |
| F5 CERASPEED SUPERIOR | 279 | | | | ● | | ● | | ●●● | | | | ●●● | | ●●● | |
| **CONCRETE** | | | | | | | | | | | | | | | | |
| B4 SUPERIOR | 280 | | | | ●● | ●● | ●● | ●● | ● | | ● | ●● | | | | |
| B5 EVOLUTION | 281 | ◒ | ●● | | ●●● | ●●● | ●●● | ●●● | ●●● | | ● | ●●● | | ● | | |
| **GRANITE / HARD STONE / NATURAL STONE** | | | | | | | | | | | | | | | | |
| G4 SUPERIOR | 282 | | ●●● | | ● | | ● | | ●● | | | | | ● | | |
| **ABRASIVE STONES / ASPHALT / MORTAR** | | | | | | | | | | | | | | | | |
| A4 SUPERIOR | 283 | ●●● | | | | | ● | | | | ●●● | ● | | ◒ | | ●● |
| A4 ASPHALT SUPERIOR | 284 | ●●● | | | | | ● | | | | ●●● | ● | | ◒ | | ●● |
| A4 M SUPERIOR | 284 | | | | ● | | | | | | ●● | ● | | | | |

# DIAMOND CUTTING DISCS

| | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UNIVERSAL / CONSTRUCTION SITE MATERIALS** | | | | | | | | | | | | | | | | |
| ST-7 QUALITY | ● | | | | ● | ● | | | | | ● | | | | | ● |
| U3 PERFECT | ● | | | | ● | ● | | | | | ● | | | | | ● |
| U4 SUPERIOR | ● | ● | ● | | ● | ● | | | | ● | ● | ● | | ● | ●● | ●● |
| U4 SPEED SUPERIOR | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ●● | ●● |
| DB4 SUPERIOR | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ●● | ● | ●● | ●● |
| U4 PROTECT SUPERIOR | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ●● | ●● |
| U5 SPEED EVOLUTION | ●● | ●● | ●● | | ●● | ●● | ●●● | ● | ●●● | ●● | ● | ● | ●● | ●●● | ●●● | ●●● |
| U5 PROTECT EVOLUTION | ●● | ●● | ●● | | ●● | ●● | ●●● | ● | ●●● | ●● | ● | ● | ●● | ●●● | ●●● | ●●● |
| U7 SPEED XTREME | ●● | ●● | ●● | | ●● | ●● | ●●● | ● | ●●● | ●● | ● | ● | ●● | ●●● | ●●● | ●●● |
| **STONE SLABS / ROOFING TILES** | | | | | | | | | | | | | | | | |
| S3 TURBO PERFECT | | ● | ● | | ● | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| S5 TURBO EVOLUTION | | ●● | ●● | | ● | ● | ● | ● | | ● | ● | ● | | ●● | ● | ●● |
| S5 TURBO PROTECT EVOLUTION | | ●● | ●● | | ● | ● | ● | ● | | ● | ● | ● | | ●● | ● | ●● |
| **TILES / STONEWARE** | | | | | | | | | | | | | | | | |
| F3 PERFECT | | | | | | | | | | | | | | | | |
| F4 CERA SUPERIOR | | ● | ● | | | | | | | ● | | | | ● | | |
| F5 CERASPEED SUPERIOR | | ●● | ●● | | | | | | | ● | | | | ●● | | |
| **CONCRETE** | | | | | | | | | | | | | | | | |
| B4 SUPERIOR | ● | | | | | ● | ◒ | | ◒ | | | | | ●● | ●● | ●● |
| B5 EVOLUTION | ●● | ● | ● | | ●● | ●● | ●● | | ●● | ●● | ● | ●● | | ●●● | ●●● | ●●● |
| **GRANITE / HARD STONE / NATURAL STONE** | | | | | | | | | | | | | | | | |
| G4 SUPERIOR | | ●●● | ●●● | | ● | ●● | ●● | ●● | ● | ●● | ● | ●● | | ●● | ● | |
| **ABRASIVE STONES / ASPHALT** | | | | | | | | | | | | | | | | |
| 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.

## ST-7

**QUALITY** ★★☆☆☆

**UNIVERSAL**
**CONSTRUCTION SITE MATERIALS**

Segmented diamond cutting disc with sintered segments.

- For universal application with low to normal loads
- Entry-level product at fair price

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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4 1/2 x 5/64 x 7/8 | 13280 | 9 | 7 | C3 | 1 | **4110 485 100** | 412406 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 9 | 7 | C3 | 1 | **4120 485 100** | 422405 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 14 | 7 | C3 | 1 | **4180 485 100** | 442403 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 18 | 7 | C3 | 1 | **4230 485 100** | 452402 |

## 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | 8 | 10 | C3 | 1 | **4113 810 100** | 040012 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 9 | 10 | C3 | 1 | **4123 810 100** | 040029 |
| 180 x 2.4 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 13 | 10 | C3 | 1 | **4183 810 100** | 040036 |
| 230 x 2.5 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 16 | 10 | C3 | 1 | **4233 810 100** | 040043 |
| 300 x 3 x 20 | 12 x 7/64 x 3/4 | 6400 | 22 | 10 | C3 | 1 | **4303 805 100** | 040050 |
| 300 x 3 x 22.23 | 12 x 7/64 x 7/8 | 6400 | 22 | 10 | C3 | 1 | **4303 810 100** | 040067 |
| 300 x 3 x 25.4 | 12 x 7/64 x 1 | 6400 | 22 | 10 | C3 | 1 | **4303 815 100** | 040074 |
| 350 x 3.2 x 25.4 | 14 x 7/64 x 1 | 5500 | 20 | 10 | C3 | 1 | **4353 815 100** | 040081 |

## DIAMOND CUTTING DISCS, UNIVERSAL | CONSTRUCTION SITE MATERIALS

### 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 10 | C3 | 1 | **4114 185 100** | 040098 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 10 | 10 | C3 | 1 | **4124 185 100** | 040104 |
| 150 x 2.4 x 22.23 | 6 x 3/32 x 7/8 | 10200 | 12 | 10 | C3 | 1 | **4154 185 100** | 040111 |
| 180 x 2.4 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 14 | 10 | C3 | 1 | **4184 185 100** | 040128 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 16 | 10 | C3 | 1 | **4234 185 100** | 040135 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 16 | 10 | C3 | 1 | **4304 180 100** | 040142 |
| 300 x 2.8 x 22.23 | 12 x 7/64 x 7/8 | 6400 | 16 | 10 | C3 | 1 | **4304 182 100** | 040159 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 16 | 10 | C3 | 1 | **4304 190 100** | 040166 |
| 300 x 2.8 x 30 | 12 x 7/64 x 1 1/5 | 6400 | 16 | 10 | C3 | 1 | **4304 192 100** | 041491 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 19 | 10 | C3 | 1 | **4354 180 100** | 040173 |
| 350 x 2.8 x 22.23 | 14 x 7/64 x 7/8 | 5500 | 19 | 10 | C3 | 1 | **4354 185 100** | 040180 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 19 | 10 | C3 | 1 | **4354 190 100** | 040197 |
| 350 x 2.8 x 30 | 14 x 7/64 x 1 1/5 | 5500 | 19 | 10 | C3 | 1 | **4354 195 100** | 040203 |
| 400 x 3.2 x 25.4 | 16 x 7/64 x 1 | 4780 | 28 | 10 | C3 | 1 | **4404 190 100** | 040210 |
| 450 x 3.6 x 25.4 | 18 x 1/8 x 1 | 4250 | 32 | 10 | C3 | 1 | **4454 190 100** | 040227 |

## 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 10 | C3 | 1 | **4114 521 100** | 040234 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 10 | 10 | C3 | 1 | **4124 521 100** | 040241 |
| 180 x 2.4 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 14 | 10 | C3 | 1 | **4184 521 100** | 040258 |
| 230 x 2.6 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 15 | 10 | C3 | 1 | **4234 521 100** | 040265 |
| 300 x 3 x 20 | 12 x 7/64 x 3/4 | 6400 | 20 | 10 | C3 | 1 | **4304 521 100** | 040272 |
| 300 x 3 x 25.4 | 12 x 7/64 x 1 | 6400 | 20 | 10 | C3 | 1 | **4304 525 100** | 040289 |
| 350 x 3 x 25.4 | 14 x 7/64 x 1 | 5500 | 23 | 10 | C3 | 1 | **4354 525 100** | 040296 |

## 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.

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

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.4 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 6 | C3 | 1 | **4114 208 100** | 040302 |
| 125 x 2.4 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 10 | 6 | C3 | 1 | **4124 208 100** | 040319 |
| 180 x 2.6 x 22.23 | 7 x 7/64 x 7/8 | 8600 | 14 | 7 | C3 | 1 | **4184 208 100** | 040326 |
| 230 x 2.6 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 16 | 8 | C3 | 1 | **4234 208 100** | 040333 |
| 300 x 3 x 20 | 12 x 7/64 x 3/4 | 6400 | 20 | 8 | C3 | 1 | **4304 207 100** | 040340 |
| 350 x 3.4 x 20 | 14 x 1/8 x 3/4 | 5500 | 24 | 8 | C3 | 1 | **4354 207 100** | 040357 |

## DIAMOND CUTTING DISCS, UNIVERSAL | CONSTRUCTION SITE MATERIALS

### 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 10 | C3 | 1 | **4114 234 100** | 040364 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 10 | 10 | C3 | 1 | **4124 234 100** | 040371 |
| 230 x 2.6 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 16 | 10 | C3 | 1 | **4234 234 100** | 040388 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 20 | 10 | C3 | 1 | **4304 232 100** | 040395 |
| 300 x 2.8 x 22.23 | 12 x 7/64 x 7/8 | 6400 | 20 | 10 | C3 | 1 | **4304 234 100** | 040401 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 20 | 10 | C3 | 1 | **4304 236 100** | 040418 |

## 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 8 | 12 | C3 | 1 | **4115 386 100** | 040654 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 9 | 12 | C3 | 1 | **4125 386 100** | 040661 |
| 180 x 2.4 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 12 | 12 | C3 | 1 | **4185 386 100** | 040678 |
| 230 x 2.6 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 16 | 15 | C3 | 1 | **4235 386 100** | 040685 |
| 300 x 3.2 x 20 | 12 x 7/64 x 3/4 | 6400 | 21 | 15 | C3 | 1 | **4305 657 100** | 040692 |
| 300 x 3.2 x 25.4 | 12 x 7/64 x 1 | 6400 | 21 | 15 | C3 | 1 | **4305 667 100** | 040708 |
| 350 x 3.2 x 20 | 14 x 7/64 x 3/4 | 5500 | 25 | 15 | C3 | 1 | **4355 657 100** | 040715 |
| 350 x 3.2 x 22.23 | 14 x 7/64 x 7/8 | 5500 | 25 | 15 | C3 | 1 | **4355 662 100** | 040722 |
| 350 x 3.2 x 25.4 | 14 x 7/64 x 1 | 5500 | 25 | 15 | C3 | 1 | **4355 667 100** | 040739 |

## DIAMOND CUTTING DISCS, UNIVERSAL | CONSTRUCTION SITE MATERIALS

# 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

protect
low noise | low vibration

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 230 x 2.8 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 16 | 10 | C3 | 1 | **4235 613 100** | 040746 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 20 | 12 | C3 | 1 | **4305 603 100** | 040753 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 20 | 12 | C3 | 1 | **4305 624 100** | 040760 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 24 | 12 | C3 | 1 | **4355 603 100** | 040777 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 24 | 12 | C3 | 1 | **4355 624 100** | 040784 |

**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.

## U7 SPEED

**EXTREME** ★★★★★★★

**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$^{-1}$ | No. of segments | Segment height mm | Shape | 1 | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 12 | C3 | 1 | **4117 135 100** | 040562 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 9 | 12 | C3 | 1 | **4127 135 100** | 040579 |
| 180 x 2.4 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 12 | 12 | C3 | 1 | **4187 135 100** | 040586 |
| 230 x 2.6 x 22.23 | 9 x 7/64 x 7/8 | 6600 | 16 | 15 | C3 | 1 | **4237 135 100** | 040593 |
| 300 x 3.2 x 20 | 12 x 7/64 x 3/4 | 6400 | 21 | 15 | C3 | 1 | **4307 134 100** | 040609 |
| 300 x 3.2 x 25.4 | 12 x 7/64 x 1 | 6400 | 21 | 15 | C3 | 1 | **4307 136 100** | 040616 |
| 350 x 3.2 x 20 | 14 x 7/64 x 3/4 | 5500 | 25 | 15 | C3 | 1 | **4357 134 100** | 040623 |
| 350 x 3.2 x 22.23 | 14 x 7/64 x 7/8 | 5500 | 25 | 15 | C3 | 1 | **4357 135 100** | 040630 |
| 350 x 3.2 x 25.4 | 14 x 7/64 x 1 | 5500 | 25 | 15 | C3 | 1 | **4357 136 100** | 040647 |

# DIAMOND CUTTING DISCS

## DIAMOND CUTTING DISCS FOR STONE SLABS | ROOFING TILES

### 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.1 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | - | 7 | GR | 1 | **4113 460 100** | 040791 |
| 125 x 2.1 x 22.23 | 5 x 5/64 x 7/8 | 12200 | - | 7 | GR | 1 | **4123 460 100** | 040807 |
| 180 x 2.6 x 22.23 | 7 x 7/64 x 7/8 | 8600 | - | 7 | GR | 1 | **4183 460 100** | 040814 |
| 230 x 2.8 x 22.23 | 9 x 7/64 x 7/8 | 6600 | - | 7 | GR | 1 | **4233 460 100** | 040821 |

### 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | - | 9 | GR | 1 | **4115 441 100** | 040869 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | - | 9 | GR | 1 | **4125 441 100** | 040876 |
| 180 x 2.5 x 22.23 | 7 x 3/32 x 7/8 | 8600 | - | 9 | GR | 1 | **4185 441 100** | 040883 |
| 230 x 2.5 x 22.23 | 9 x 3/32 x 7/8 | 6600 | - | 9 | GR | 1 | **4235 441 100** | 040890 |

## 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

protect
low noise | low vibration

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

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | - | 7 | GR | 1 | **4115 466 100** | 040838 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | - | 7 | GR | 1 | **4125 466 100** | 040845 |
| 230 x 2.8 x 22.23 | 9 x 7/64 x 7/8 | 6600 | - | 7 | GR | 1 | **4235 466 100** | 040852 |

## DIAMOND CUTTING DISCS FOR TILES

### 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 100 x 1.8 x 16 | 4 x 5/64 x 5/8 | 15300 | - | 5 | GR | 1 | **4103 500 100** | 040906 |
| 110 x 1.9 x 22.23 | 4.5 x 5/64 x 7/8 | 13900 | - | 5 | GR | 1 | **4113 509 100** | 040913 |
| 115 x 1.9 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | - | 5 | GR | 1 | **4113 510 100** | 040920 |
| 125 x 1.9 x 22.23 | 5 x 5/64 x 7/8 | 12200 | - | 5 | GR | 1 | **4123 510 100** | 040937 |
| 150 x 2.1 x 22.23 | 6 x 5/64 x 7/8 | 10200 | - | 5 | GR | 1 | **4153 510 100** | 040944 |
| 150 x 2.1 x 25.4 | 6 x 5/64 x 1 | 10200 | - | 5 | GR | 1 | **4153 515 100** | 040951 |
| 180 x 2.3 x 22.23 | 7 x 3/32 x 7/8 | 8600 | - | 5 | GR | 1 | **4183 510 100** | 040968 |
| 180 x 2.3 x 25.4 | 7 x 3/32 x 1 | 8600 | - | 5 | GR | 1 | **4183 515 100** | 040975 |
| 200 x 2.4 x 22.23 | 8 x 3/32 x 7/8 | 7600 | - | 5 | GR | 1 | **4203 510 100** | 040982 |
| 200 x 2.5 x 25.4 | 8 x 3/32 x 1 | 7600 | - | 5 | GR | 1 | **4203 515 100** | 040999 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | - | 5 | GR | 1 | **4233 510 100** | 041002 |
| 250 x 2.4 x 25.4 | 10 x 3/32 x 1 | 6100 | - | 5 | GR | 1 | **4253 515 100** | 041019 |

## DIAMOND CUTTING DISCS FOR TILES | STONEWARE

# 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$^{-1}$ | No. of segments | Segment height mm | Shape | 1 | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 1.4 x 22.23 | 4.5 x 1/8 x 7/8 | 13280 | - | 7.5 | GR | 1 | **4114 512 100** | 041026 |
| 125 x 1.4 x 22.23 | 5 x 1/8 x 7/8 | 12200 | - | 7.5 | GR | 1 | **4124 512 100** | 041033 |
| 150 x 2 x 25.4 | 6 x 5/64 x 1 | 10200 | - | 7.5 | GR | 1 | **4154 517 100** | 041040 |
| 180 x 2 x 22.23 | 7 x 5/64 x 7/8 | 8600 | - | 7.5 | GR | 1 | **4184 512 100** | 041057 |
| 180 x 2 x 25.4 | 7 x 5/64 x 1 | 8600 | - | 7.5 | GR | 1 | **4184 517 100** | 041064 |
| 200 x 2 x 22.23 | 8 x 5/64 x 7/8 | 7600 | - | 7.5 | GR | 1 | **4204 512 100** | 041071 |
| 200 x 2 x 25.4 | 8 x 5/64 x 1 | 7600 | - | 7.5 | GR | 1 | **4204 517 100** | 041088 |
| 230 x 2 x 22.23 | 9 x 5/64 x 7/8 | 6600 | - | 7.5 | GR | 1 | **4234 512 100** | 041095 |
| 250 x 2 x 25.4 | 10 x 5/64 x 1 | 6100 | - | 7.5 | GR | 1 | **4254 517 100** | 041101 |
| 300 x 2 x 25.4 | 12 x 5/64 x 1 | 6400 | - | 7.5 | GR | 1 | **4304 517 100** | 041118 |
| 300 x 2 x 30 | 12 x 5/64 x 1 1/5 | 6400 | - | 7.5 | GR | 1 | **4304 518 100** | 041507 |
| 350 x 2 x 25.4 | 14 x 5/64 x 1 | 5500 | - | 7.5 | GR | 1 | **4354 517 100** | 041125 |
| 350 x 2 x 30 | 14 x 5/64 x 1 1/5 | 5500 | - | 7.5 | GR | 1 | **4354 518 100** | 041514 |

## DIAMOND CUTTING DISCS FOR TILES | STONEWARE

## 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.

Suitable for battery-powered angle grinders

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 1.2 x 22.23 | 4.5 x 3/64 x 7/8 | 13280 | - | 10 | GR | 1 | **4115 514 100** | 041132 |
| 125 x 1.2 x 22.23 | 5 x 3/64 x 7/8 | 12200 | - | 10 | GR | 1 | **4125 514 100** | 041149 |

## 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | 9 | 10 | C3 | 1 | **4114 110 100** | 041156 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 10 | 10 | C3 | 1 | **4124 110 100** | 041163 |
| 150 x 2.2 x 22.23 | 6 x 3/32 x 7/8 | 10200 | 12 | 10 | C3 | 1 | **4154 110 100** | 041170 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 14 | 10 | C3 | 1 | **4184 110 100** | 041187 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 16 | 10 | C3 | 1 | **4234 110 100** | 041194 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 16 | 10 | C3 | 1 | **4304 105 100** | 041200 |
| 300 x 2.8 x 22.23 | 12 x 7/64 x 7/8 | 6400 | 16 | 10 | C3 | 1 | **4304 110 100** | 041217 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 16 | 10 | C3 | 1 | **4304 115 100** | 041224 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 19 | 10 | C3 | 1 | **4354 105 100** | 041231 |
| 350 x 2.8 x 22.23 | 14 x 7/64 x 7/8 | 5500 | 19 | 10 | C3 | 1 | **4354 110 100** | 041248 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 19 | 10 | C3 | 1 | **4354 115 100** | 041255 |
| 400 x 3.2 x 25.4 | 16 x 7/64 x 1 | 4780 | 28 | 10 | C3 | 1 | **4404 116 100** | 041262 |

## DIAMOND CUTTING DISCS FOR CONCRETE

### 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 $min^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | 8 | 10 | C3 | 1 | **4115 611 100** | 040425 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 9 | 10 | C3 | 1 | **4125 611 100** | 040432 |
| 150 x 2.2 x 22.23 | 6 x 3/32 x 7/8 | 10200 | 10 | 10 | C3 | 1 | **4155 611 100** | 040449 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 12 | 10 | C3 | 1 | **4185 611 100** | 040456 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 15 | 12 | C3 | 1 | **4235 611 100** | 040463 |
| 250 x 2.6 x 25.4 | 10 x 7/64 x 1 | 6100 | 18 | 12 | C3 | 1 | **4255 616 100** | 040470 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 18 | 12 | C3 | 1 | **4305 606 100** | 040487 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 18 | 12 | C3 | 1 | **4305 616 100** | 040494 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 21 | 12 | C3 | 1 | **4355 606 100** | 040500 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 21 | 12 | C3 | 1 | **4355 616 100** | 040517 |
| 400 x 3.5 x 25.4 | 16 x 1/8 x 1 | 4780 | 28 | 12 | C3 | 1 | **4405 616 100** | 040524 |
| 450 x 3.5 x 25.4 | 18 x 1/8 x 1 | 4250 | 32 | 12 | C3 | 1 | **4455 616 100** | 040531 |
| 500 x 4 x 25.4 | 20 x 5/32 x 1 | 3800 | 36 | 12 | C3 | 1 | **4505 616 100** | 040548 |
| 600 x 4 x 25.4 | 24 x 5/32 x 1 | 3170 | 42 | 12 | C3 | 1 | **4605 616 100** | 040555 |

## DIAMOND CUTTING DISCS FOR GRANITE | HARD STONE | 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 $min^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2 x 22.23 | 4.5 x 5/64 x 7/8 | 13280 | 8 | 10 | C3 | 1 | **4114 010 100** | 041408 |
| 125 x 2 x 22.23 | 5 x 5/64 x 7/8 | 12200 | 9 | 10 | C3 | 1 | **4124 010 100** | 041415 |
| 150 x 2.2 x 22.23 | 6 x 3/32 x 7/8 | 10200 | 12 | 10 | C3 | 1 | **4154 010 100** | 041422 |
| 180 x 2.2 x 22.23 | 7 x 3/32 x 7/8 | 8600 | 14 | 10 | C3 | 1 | **4184 010 100** | 041439 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 15 | 12 | C3 | 1 | **4234 010 100** | 041446 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 21 | 12 | C3 | 1 | **4304 015 100** | 041453 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 25 | 12 | C3 | 1 | **4354 005 100** | 041460 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 25 | 12 | C3 | 1 | **4354 015 100** | 041477 |
| 400 x 3.2 x 25.4 | 16 x 7/64 x 1 | 4780 | 28 | 12 | C3 | 1 | **4404 015 100** | 041484 |

## DIAMOND CUTTING DISCS FOR ABRASIVE STONES

### A4

**SUPERIOR** ★★★★☆

**ABRASIVE MATERIALS**

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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 2.2 x 22.23 | 4.5 x 3/32 x 7/8 | 13280 | 9 | 7 | C3 | 1 | **4114 215 100** | 041279 |
| 125 x 2.2 x 22.23 | 5 x 3/32 x 7/8 | 12200 | 10 | 7 | C3 | 1 | **4124 215 100** | 041286 |
| 230 x 2.4 x 22.23 | 9 x 3/32 x 7/8 | 6600 | 16 | 7 | C3 | 1 | **4234 215 100** | 041293 |
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 16 | 7 | C3 | 1 | **4304 225 100** | 462159 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 19 | 7 | C3 | 1 | **4354 227 100** | 472158 |

## DIAMOND CUTTING DISCS FOR ABRASIVE STONE | 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 300 x 2.8 x 20 | 12 x 7/64 x 3/4 | 6400 | 18 | 10 | C1S | 1 | **4304 920 100** | 041309 |
| 300 x 2.8 x 25.4 | 12 x 7/64 x 1 | 6400 | 18 | 10 | C1S | 1 | **4304 930 100** | 041316 |
| 350 x 2.8 x 20 | 14 x 7/64 x 3/4 | 5500 | 21 | 10 | C1S | 1 | **4354 920 100** | 041323 |
| 350 x 2.8 x 25.4 | 14 x 7/64 x 1 | 5500 | 21 | 10 | C1S | 1 | **4354 930 100** | 041330 |
| 400 x 3.2 x 25.4 | 16 x 7/64 x 1 | 4780 | 24 | 10 | C1S | 1 | **4404 930 100** | 041347 |
| 450 x 3.8 x 25.4 | 18 x 9/64 x 1 | 4250 | 27 | 10 | C1S | 1 | **4454 930 100** | 041354 |
| 500 x 3.8 x 25.4 | 20 x 9/64 x 1 | 3800 | 30 | 10 | C1S | 1 | **4504 930 100** | 041361 |
| 600 x 3.8 x 25.4 | 24 x 9/64 x 1 | 3170 | 36 | 12 | C1S | 1 | **4604 930 100** | 041378 |

## 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$^{-1}$ | No. of segments | Segment height mm | Shape | | Item code | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 6.4 x 22.23 | 4.5 x 1/4 x 7/8 | 13280 | 9 | 7 | C3 | 1 | **4114 464 100** | 041385 |
| 125 x 6.4 x 22.23 | 5 x 1/4 x 7/8 | 12200 | 10 | 7 | C3 | 1 | **4124 464 100** | 041392 |

# DIAMOND TOOLS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# 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

Field of application: For tiles, quarry tiles, ceramic and stoneware.

| Dimension<br>Diameter x shaft diameter x length [mm] | | Item code | €/piece | 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 |

The tip of the drill bit is coated with diamonds during the vacuum brazing process.

## SET OF DIAMOND TILE DRILL BITS FOR DRILLING MACHINES

# 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.

| Dimension | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|
| Ø 5, 6, 8, 10, 12 mm | 1 | **4000 600 100** | | 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

CERA DRILL DRY

## CERADRILL DRY FOR ANGLE GRINDERS

### EVOLUTION ★★★★★

Special drill coated with diamonds during the vacuum brazing process for dry drilling in stoneware, quarry tiles, ceramic and granite tiles.

The new CeraDrill DRY diamond dry drill bits complement our CeraDrill range with 12 drill bits in a diameter ranging from 20 mm to 85 mm.

- For use on angle grinders with an M14 adapter
- No water cooling system required
- High drilling speed
- Maximum service life

Field of application: For tiles, quarry tiles, stoneware, ceramic and granite tiles.

| Ø in mm | Length in mm | Working length | Connection | RPM min$^{-1}$ | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|
| 20 mm | 60 mm | 40 mm | M14 | 11000 | **4000 610 100** | | 401004 |
| 27 mm | 60 mm | 40 mm | M14 | 11000 | **4000 611 100** | | 401011 |
| 35 mm | 60 mm | 40 mm | M14 | 11000 | **4000 612 100** | | 401028 |
| 40 mm | 60 mm | 40 mm | M14 | 11000 | **4000 613 100** | | 401035 |
| 45 mm | 60 mm | 40 mm | M14 | 11000 | **4000 614 100** | | 401042 |
| 50 mm | 60 mm | 40 mm | M14 | 11000 | **4000 615 100** | | 401059 |
| 60 mm | 60 mm | 40 mm | M14 | 11000 | **4000 616 100** | | 401066 |
| 65 mm | 60 mm | 40 mm | M14 | 11000 | **4000 617 100** | | 401073 |
| 70 mm | 60 mm | 40 mm | M14 | 11000 | **4000 618 100** | | 401080 |
| 75 mm | 60 mm | 40 mm | M14 | 11000 | **4000 619 100** | | 401097 |
| 80 mm | 60 mm | 40 mm | M14 | 11000 | **4000 620 100** | | 401103 |
| 85 mm | 60 mm | 40 mm | M14 | 11000 | **4000 621 100** | | 401110 |

### SAFETY TIP – MAX. RPM OF 11,000

We recommend using the drill on an angle grinder for 125-mm discs.

## DIAMOND DRY DRILLS FOR ANGLE GRINDERS

## PROPER PREPARATION AND APPLICATION

## 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 | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|
| Core bit, Ø 68 mm | 1 | **4000 368 100** | | 400137 |
| Core bit, Ø 82 mm | 1 | **4000 382 100** | | 400236 |
| Centre bit | 1 | **4000 478 100** | | 400304 |
| 6-point connection | 1 | **4000 568 100** | | 400359 |
| SDS connection | 1 | **4000 668 100** | | 400403 |
| Complete SDS part, Ø 68 mm | 1 | **4000 268 100** | | 400120 |
| Complete SDS part, Ø 82 mm | 1 | **4000 282 100** | | 400229 |

### BKT ABRASIVE STONES
**EVOLUTION ★★★★★**

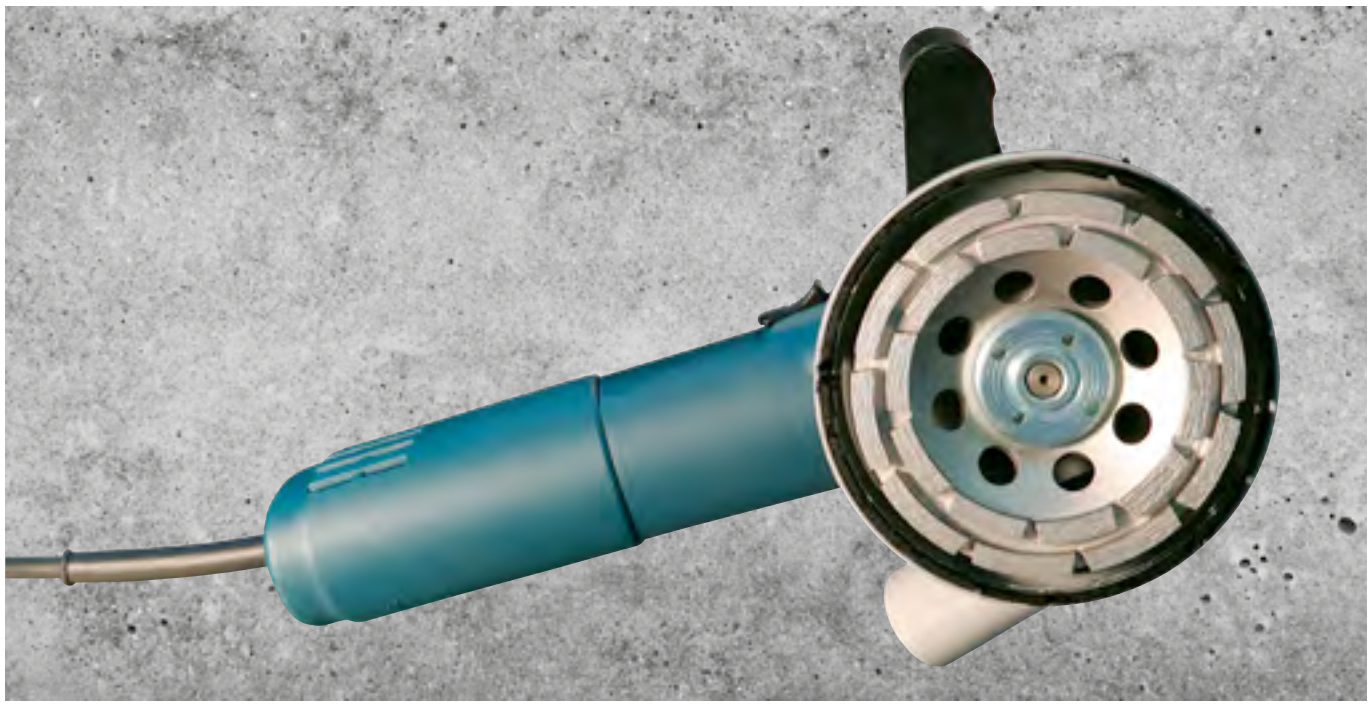
Laser-welded core drill with very hard diamond segment bonding designed especially for abrasive materials. The solution for dry drilling recesses for wall sockets and light switches (68 mm) or distribution boxes (82 mm).

- 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 | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|
| Core bit, Ø 68 mm | 1 | **4010 010 100** | | 400519 |
| Core bit, Ø 82 mm | 1 | **4010 050 100** | | 400502 |
| Centre bit | 1 | **4000 478 100** | | 400304 |
| 6-point connection | 1 | **4000 568 100** | | 400359 |
| SDS connection | 1 | **4000 668 100** | | 400403 |
| Complete SDS part, Ø 68 mm | 1 | **4000 269 100** | | 400151 |
| Complete SDS part, Ø 82 mm | 1 | **4000 283 100** | | 400168 |

## DIAMOND CUP GRINDERS



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

●● very suitable
● suitable
◒ limited suitability

| | DST | DST 56 | DST 76 | DST Turbo | DST Speed | DST BLUE Speed |
|---|---|---|---|---|---|---|
| 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 | ● | ● | ● | ●● | ●● | ●● |

### 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 56 and DST 76 diamond cup grinders are also available in a height of 22 mm on request for use on special concrete grinders.

## DIAMOND CUP GRINDERS

### DST

**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$^{-1}$ | No. of segments | Segment shape | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 18 x 22.23 | 4 1/2 x 45/64 x 7/8 | 13280 | 8 | Single row | 1 | **4116 033 100** | | 411027 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 7 | Single row | 1 | **4126 033 100** | | 421026 |
| 180 x 18 x 22.23 | 7 x 45/64 x 7/8 | 8600 | 14 | Single row | 1 | **4186 033 100** | | 441024 |

### DST 56 CONCRETE

**SUPERIOR ★★★★☆**

Special diamond cup grinder for hard stone, suitable for grinding concrete and natural stone. 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 and natural stone.

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment shape | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 18 x 22.23 | 4 1/2 x 45/64 x 7/8 | 13280 | 8 | Single row | 1 | **4116 032 100** | | 411010 |
| 115 x 18 x 22.23 | 4 1/2 x 45/64 x 7/8 | 13280 | 16 | Double row | 1 | **4116 037 100** | | 411041 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 7 | Single row | 1 | **4126 032 100** | | 421019 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 14 | Double row | 1 | **4126 037 100** | | 421040 |
| 180 x 18 x 22.23 | 7 x 45/64 x 7/8 | 8600 | 28 | Double row | 1 | **4186 037 100** | | 441048 |

## DIAMOND CUP GRINDERS

### DST 76 ABRASIVE STONES

**SUPERIOR** ★★★★☆

Special diamond cup grinder for abrasive materials, such as floor pavement, sand-lime brick, plaster, aerated concrete and green concrete. 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 floor pavement, sand-lime brick, plaster, aerated concrete, green concrete.

| Ø in mm | Ø in inches | RPM min$^{-1}$ | No. of segments | Segment shape | 1 | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 18 x 22.23 | 4 1/2 x 45/64 x 7/8 | 13280 | 16 | Double row | 1 | **4116 036 100** | | 411034 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 7 | Single row | 1 | **4126 031 100** | | 421002 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 14 | Double row | 1 | **4126 036 100** | | 421033 |
| 180 x 18 x 22.23 | 7 x 45/64 x 7/8 | 8600 | 28 | Double row | 1 | **4186 036 100** | | 441031 |

### 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$^{-1}$ | No. of segments | Segment shape | 1 | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 22.23 | 4 1/2 x 7/8 | 13280 | – | Turbo | 1 | **4116 041 100** | | 411065 |
| 125 x 22.23 | 5 x 7/8 | 12200 | – | Turbo | 1 | **4126 041 100** | | 420593 |

### USER TIP

Our DST 56 and DST 76 diamond cup grinders are also available in a height of 22 mm on request for use on special concrete grinders.

## 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$^{-1}$ | No. of segments | Segment shape | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 18 x 22.23 | 4 1/2 x 45/64 x 7/8 | 13280 | 9 | Radial | 1 | **4116 042 100** | | 410488 |
| 125 x 18 x 22.23 | 5 x 45/64 x 7/8 | 12200 | 9 | Radial | 1 | **4126 042 100** | | 420463 |

* 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$^{-1}$ | No. of segments | Segment shape | | Item code | €/piece | EAN 4081600 |
|---|---|---|---|---|---|---|---|---|
| 115 x 22.23 | 4 1/2 x 7/8 | 13280 | 8 | T-segment | 1 | **4116 064 100** | | 412376 |
| 125 x 22.23 | 5 x 7/8 | 12200 | 8 | T-segment | 1 | **4126 064 100** | | 422375 |

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