

INDUSTRIAL SUPPLY TOOLS CATALOGUE

English | Catalogue no. 18

A Company of the SWAROVSKI Group
www.tyrolit.com

TYROLIT

Editorial

Dear customers and readers,

In your hands you are holding the latest edition of the TYROLIT specialist industry catalogue (no. 18), containing a comprehensive overview of the products currently available from the TYROLIT portable tool range. For many of you this catalogue is another valuable addition to your toolkit, giving you a detailed look at the qualities of our products. It may also serve as a source of inspiration for new and exciting business areas into which you could expand in future.

In this catalogue you will find all our product innovations from the last two years. I would like to draw your attention in particular to our extensive "Cerabond" range of ceramic tools, as well as numerous interesting developments in the fields of coated abrasives and brushes.

Another common theme you will notice throughout many chapters is health and the environment. Our new "Deep-Cut Protection", for example, ensures significantly enhanced user safety in cutting applications. And the recently developed "Comfort Start" enables the user to work safely with rough grinding wheels right from the very start. There is one thing above all else that is important to us: the health of our users. It is therefore not surprising that we have been using an increasing number of natural fibres in the last two years, both for some flap discs and for purely natural fibre discs. These represent an interesting alternative to normal fibre discs.

As well as developing new products using innovative materials, we never lose sight of our core expertise in

grinding and cutting. In this chapter you will find all our current top products in the "Next generation" section. Regardless of what you use it for, a TYROLIT product is definitely the right choice.

When leafing through the catalogue you will also see that this year we have put considerable thought into user friendliness. The current catalogue includes various new chapters and cross references to make working life that little bit easier.

We hope you enjoy reading our new catalogue.

Best wishes,
Your TYROLIT Team

Four steps to the right product

1. Select the application

e.g. cutting, grinding, etc.

2. Select the machine

e.g. angle grinder, straight grinder, etc.



3. Performance level

We offer 3 different performance levels: Premium, Standard and Basic



4. Which material is being machined?

Each performance level is further subdivided into different materials, such as stainless steel, steel, etc.

Items with grey lettering are only available on request.

Other search options

Product finder P.382ff

Index pages P.389ff



TYROLIT Group

A global company

As one of the world's leading manufacturers of bonded grinding, cutting, sawing, drilling and dressing tools and a system supplier of tools and machines for the construction industry, the family-run TYROLIT company has been synonymous with superior quality, innovative spirit and outstanding service since 1919.

Day in, day out the experts at TYROLIT are busy working on solutions that accommodate the individual requirements of customers around the world; thus contributing to their business success. Some 80,000 available products set the standard in various industrial sectors.



Business units

TYROLIT offers its customers cost-efficient and "green" solutions in four business units. Moreover, with its global sales network and a team of experienced application engineers, TYROLIT provides top-quality service.



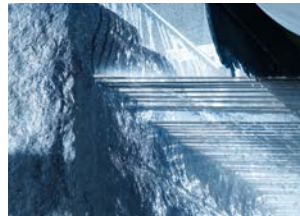
Trade

Thanks to its global sales network, in addition to premium product solutions in the three core areas of cutting, grinding and finishing, TYROLIT's Trade business unit guarantees truly customer-focused marketing support.



Construction

In the Construction business unit TYROLIT is a leading system supplier of sophisticated drilling systems, wall and wire saws, floor saws and for grinding uneven surfaces such as motorways made of concrete.



Stone – Ceramics – Glass

Our customised diamond tools and grinding solutions in the Stone – Ceramics – Glass business unit cannot fail to impress through their exceptional performance and quality.



Metal / Precision

From precision machining in the engine and gear industry to the production of cut-off wheels with diameters up to 2,000 mm for the steel industry – the TYROLIT product range in the Metal & Precision business unit includes high-tech tools for a huge variety of applications.

Quality and Innovation

TYROLIT is one of the world's market leaders in this sector. For us, maximum precision is paramount – both in the quality of the manufactured products and where innovation is concerned. Continuous further development and improvement of products in all business units is one of our primary corporate objectives.

Expertise for our customers

TYROLIT offers its customers a first-class service in the form of ongoing advice and support. In each of our business units a team of specialists with years of experience in the industry assists and supports our customers worldwide with individual on-site expertise.

Customised products

TYROLIT has a huge and varied product range for numerous fields of application. These include both standard products for everyday use and individually adapted, made-to-order products for customer-specific processes. Together with our customers, we find the most cost-effective solution for the task with which we are entrusted.

International production and sales locations

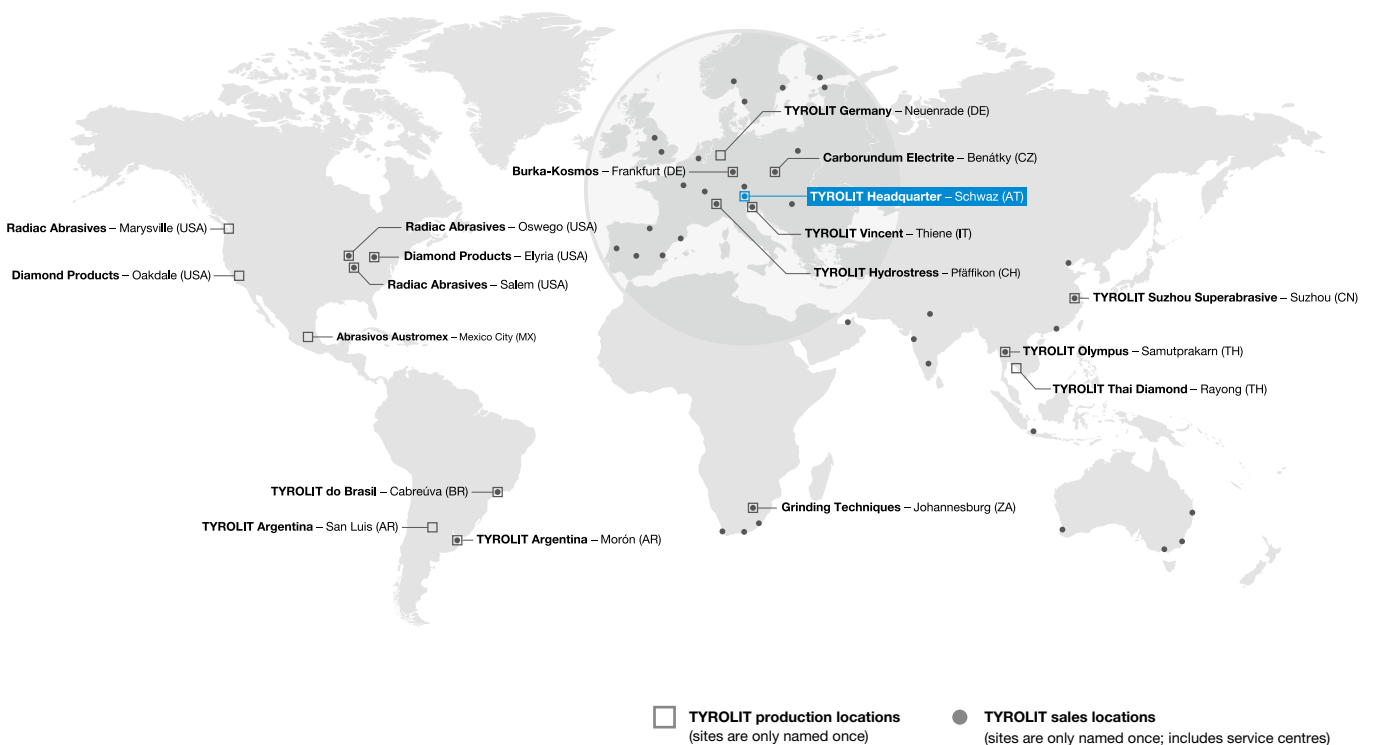
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.

Everyday our several hundred field service colleagues are working hard in the market alongside our end customers, in order to be able to provide them with advice and support whenever they need it. Of course, with these countless visits we constantly witness new challenges for application technology, which we view as opportunities for new products.



Sales companies in Argentina, Australia, Austria, Belgium, Brazil, Canada, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, India, Indonesia, Italy, Netherlands, Norway, Poland, Portugal, South Africa, Spain, Sweden, Switzerland, Thailand, UK, UAE and the USA.

Distributors in more than 65 countries across the globe





Global focus

TYROLIT believes in thinking and acting globally. With a worldwide sales network currently in 65 countries and with production plants in 12 countries, we offer our customers all the advantages of a globally active company.



Local availability

Think globally, act locally – in your local language and right on your premises. This is the principle we follow as we grow hand-in-hand with our customers. Local contacts and technical distribution in numerous countries guarantee you the best possible customer support.



Customer service

A coordinated supply chain – from production to delivery – guarantees on-time delivery for customers. Moreover, the use of modern planning systems and a team of specialised customer service employees ensures orders are processed quickly and smoothly.

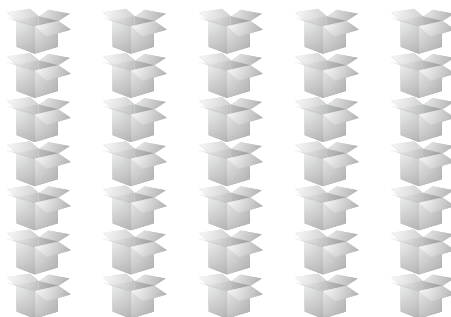


Global logistics

With 10 warehouses around the world, we ensure the best possible product availability for customers 365 days a year.

TYROLIT warehouses

- | | |
|-------------|------------------|
| — Argentina | — Czech Republic |
| — Brazil | — Great Britain |
| — France | — USA |
| — Spain | — Austria |
| — Thailand | — South Africa |



3.300.000

consignments leave the Benatky site every year.

7.700.000

consignments leave the Schwaz site every year.

From a good idea to an excellent product

What happens at TYROLIT when we get a good idea for a new product?

First of all, our product management team gets to grips with it. We have to find out precisely what is involved. Once our product managers have analysed all aspects and consider them to be good enough, a well-established process is initiated in which they take a leading role.



Of course, we do not leave our product managers to deal with this mammoth task on their own. To assist them, there are no fewer than 100 colleagues on hand in Research & Development. From fundamental research in the chemistry lab to questions pertaining to physics, whether theoretical or in the form of actual tests in the workshop, our employees in this department are constantly looking for new solutions.

Thus there are over 400 different abrasive types and combinations available to our product managers, which we can integrate in several hundred different bond systems.

From this unimaginable wealth of possibilities, the first test wheels are then produced. We prefer to try out many variations so that we can work on a solution in a truly comprehensive way.

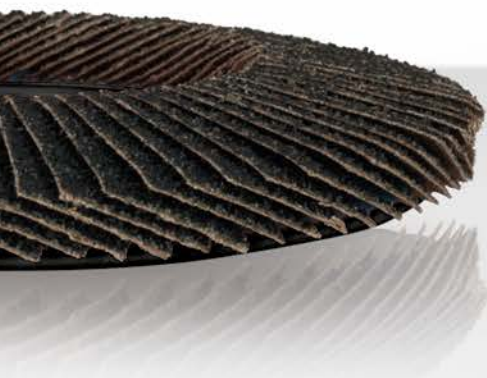
Then testing begins. Not only is the work result tested, but also whether the relevant solution can later be produced in larger quantities. We test whether the prospective products can be produced to a consistently high level of quality, as well as important aspects such as imbalance, lateral load and bursting speed values, to ensure we produce products for our customers that not only demonstrate high quality, but are also safe.

And finally it comes to the material. But not just any material. Here too we are very precise, in order to achieve reliable and above all comparable results. Every test material therefore needs a test certificate.

Once comprehensive testing both off-hand and also with stationary machines has been completed, and the best abrasive grain and bond system have been found, we can start with production.

It is not enough for us to simply start well with a new product, we want to guarantee a consistently high level of quality. We owe that to our name and to our customers. For this reason, we continue to take and test samples from every production batch in order to guarantee our high quality standards.

Ultimately it is our most important promise to our customers that we can regularly offer new and excellent innovations at the highest quality level, because that is what the name TYROLIT represents.



Quality lines

TYROLIT has been one of the leading manufacturers of tools for every professional and application for almost 100 years.

To make your search for the ideal tool easier, we have divided our range into three performance levels. This enables us to offer the perfect solution for every application!



PREMIUM★★★

- Maximum cutting ability and stock removal rate
- Above-average lifetime
- The best work results
- Maximum economic efficiency
- Extensive product range - the perfect product for every application
- Use of the most innovative technology and the best raw materials
- Maximum comfort for the user thanks to low vibration and noise levels

STANDARD★★

- Excellent cutting ability and stock removal rate
- Excellent service life
- Exceptional work results
- High level of economic efficiency
- Large product range - for the most important applications

BASIC★

- Good cutting ability and stock removal rate
- Good service life
- Good work results

Symbols

SAFETY



Wear gloves



Wear a mask



Only permitted for wet grinding



Not permitted for side grinding



Wear eye protection



Wear protective clothing



Not permitted for wet grinding



Off-hand and hand-guided grinding not permitted



Wear ear protection



Observe the instructions



Do not use damaged wheels



Free from Fe, S, Cl

MATERIAL



Steel



2in1 steel/stainless steel



High-speed steel



Universal



Abrasive materials



2in1 aluminium/stone



Rails



All in One



Asphalt



3in1 cast iron/steel/stainless steel



Tiles



Stainless steel



2in1 aluminium/stainless steel



Carbide metal



Concrete



Paint/lacquer



Gel coat



Plastic



Marble



Wood



Cast iron



Stone



Titanium



Hard stone



Composites



Nonferrous metals

MACHINES



Dry core drill



Angle grinder with brush



Pneumatic angle grinder



Stationary cutting machine



Wet core drill



Angle grinder



Petrol cutting saw



Table saw



Belt grinder



Joint cutter



Mini belt grinder



Burnishing machine



Floorstand grinder



Dual action sander



Hand-guided grinding



Angle grinder with cup wheel



Portable belt grinder



Straight grinder



CUTTING

Cutting information
Angle grinders
Straight grinders

Petrol cutting saws
Stationary cutting machines

GRINDING

Grinding information
Angle grinders
Straight grinders

BRUSHES

Brushes information
Angle grinder
Straight grinder

Floorstanding grinder
Hand-guided grinding

COATED ABRASIVES

Grinding information
Angle grinder
Straight grinder
Belt grinder

Hand sanding and super finishing
Dual action sander
Burnishing machine
Floorstanding grinder

DIAMOND TOOLS

Grinding information
Angle grinder
Petrol cutting saw
Floor saw

Table saws
Core drilling
TYROLIT machines

NOTES

Safety
Quick product search
General

SYMBOLS

Safety
Material
Machines



CATALOGUE 18

CUTTING

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SPECIFIC INFORMATION

RESIN-BONDED CUT-OFF WHEELS

Cut-off wheels product label



Colour codes

Label	Steel	2in1/3in1	INOX	Nonferrous metals	Cast iron	Stone
Colour code	Blue	Blue	Red	Orange	Purple	Green
Material	Steel	2in1 = Steel and stainless steel, 3in1 = Steel, stainless steel and cast iron	Stainless steel	Aluminium, copper, zinc, brass, bronze, stone	Cast materials	Stone

Cut-off wheels specification

A46S-BFXA

A	External reinforcement: with external reinforcement
X	TYROLIT internal designation
F	Fibre-reinforced: Fibre glass (safety, lateral load, operating speed)
B	Bonding agent: B = Resin
S	Designation of hardness: N, O, P, Q, R, S, T
46	Grit size 30 in mesh: usually 24, 30, 36, 46, 60, 80, 120
A	Abrasive: A ... Regular aluminium oxide, C ... Silicon carbide, ZA ... Zirconia alumina, CA ... Ceramic

Pictograms for machines



Angle grinder



Straight grinder



Petrol cutting saw



Stationary cutting machines



1.1 ANGLE GRINDER CUT-OFF WHEELS





CUT-OFF WHEELS FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the handicraft and industrial sectors for machining all types of metals. TYROLIT offers the ideal cut-off wheels for convenient and quick use with small and large angle grinders.

The benefits of our cut-off wheels in terms of innovation and economy can be clearly seen when it comes to cutting thin metal sheets and profiles. Our PREMIUM products in particular offer you the ultimate performance and lifetime, very clean cutting areas and low thermal load. This means there is only a limited amount of


rework required, saving you time and money.


However, the highest priority here at TYROLIT is the health of our customers. TYROLIT cut-off wheels therefore meet the highest safety standards and contribute significantly to improving your working conditions. Reduced

vibration and noise considerably improve your level of comfort while working.

On the following pages you will find the perfect tool for your requirements thanks to the uniform colour code for all materials.

Shapes


41 Cut-off wheels
 (straight design)


42 Cut-off wheel
 (depressed-centre design)





27 EC und 27CC
 CUT and GRIND
 (depressed-centre design)




Application recommendation



performance level	Specification	Page	Steel	Stainless steel	2in1	NF metals	Cast iron	NF metals/stone	
PREMIUM ★★★	A60R-BFKA	23		●					
	A46R-BFKA	22,23		●					
	A30R-BFKA	29		●					
	A60R-BFXA	22,23			●				
	A46R-BFXA	23			●				
	A30R-BFXA	28,29			●				
	A60S-BFKA	LONGLIFE 21	21	●					
	A46S-BFKA	LONGLIFE 21	21	●					
	A46S-BFXA	LONGLIFE 21	21	●					
	A30S-BFXA	LONGLIFE 27	27	●					
	TA60P-BFXA	2in1 22,26	22,26			●			
	A60Q-BFKA	2in1 22	22			●			
	A46Q-BFKA	2in1 22	22			●			
	A30Q-BFKA	2in1 28	28			●			
	A46Q-BFXA	2in1 30	30			●			
	A30Q-BFXA	2in1 28,31	28,31			●			
	CA60Q-BFKA	2in1 26,27	26,27			●			
	CA46Q-BFKA	2in1 26,27	26,27			●			
	A60N-BFXA	24	24				●		
	A46N-BFXA	24	24				●		
	A30N-BFXA	29	29				●		
	ZA30R-BFXA	30	30					●	
	ZA30P-BFXA	30	30					●	
	DC CI	30	30					●	
	C46S-BFXA	26	26						●

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Performance level	Specification	Page			
			Steel	Stainless steel	Stone
STANDARD**	A60R-BFINOX	32		•	
	A46R-BFINOX	32		•	
	A30R-BFINOX	32		•	
	A30S-BF	31	•		
	C30S-BF	32, 33			•

Performance level	Specification	Page			
			Stainless steel	2in1	Stone
BASIC*	A60R-BFINOX	34	•		
	A60Q-BF	2in1 33		•	
	A46Q-BF	2in1 33, 34		•	
	A30Q-BF	2in1 33, 34		•	
	C30S-BF	35			•

Items with grey lettering are only available on request.

PREMIUM*** CUT-OFF WHEELS

SUPER-THIN LONGLIFE CUT-OFF WHEELS FOR STEEL

+ Enhanced economic efficiency
 Significant increase in lifetime and cutting ability, which is particularly evident in their first-cut performance. The wheel delivers the best results with shorter cutting times right from the very first cut.

+ Reduced working times
 A low load on the workpiece and short cutting times allow you to quickly achieve the best result. No supplementary reworking, such as cleaning or deburring.



+ Maximum comfort while working
 The tool operates consistently and without a jamming tendency, producing 30% less cutting dust. Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

TYROLIT Film



The product film can be found on YouTube at www.youtube.com/TYROLITgroup

The next generation of TYROLIT PREMIUM*** cut-off wheels achieves a better performance than other PREMIUM wheels, and with considerably reduced tool wear. In



thicknesses of 1.0 to 1.6 mm, these super-thin cut-off wheels are suitable for all types of steel and impress with exceptional results without compromise.

As well as a clear improvement in productivity, these cut-off wheels also promote environmentally friendly use thanks to reduced waste production.

PREMIUM*** CUT-OFF WHEELS

Super-thin LONGLIFE cut-off wheels for steel



	Shape	Type no.	Dimension	Specification	PU	
		41	16118	115x1.0x22.23	A60S-BFKA	25
		51825	115x1.6x22.23	A46S-BFKA	25	
		16121	125x1.0x22.23	A60S-BFKA	25	
		51838	125x1.6x22.23	A46S-BFKA	25	
		183114	178x1.6x22.23	A46S-BFXA	25	
		183113	230x1.9x22.23	A46S-BFXA	25	

Thicker cut-off wheels can be found from page 27.

PREMIUM* CUT-OFF WHEELS**

Super-thin 2in1 cut-off wheels for steel and stainless steel



With the next generation PREMIUM*** 2in1 cut-off wheels you can enhance performance while significantly reducing tool wear. In thicknesses of 1.0 to 1.6 mm, these super-thin 2in1 cut-off wheels have been developed for machining steel and stainless steel. The chemical purity makes this tool ideal for machining stainless steel. In

this way, impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength, can be avoided. As well as a clear improvement in productivity, these cut-off wheels also promote environmentally friendly use thanks to reduced waste production.

	Shape	Type no.	Dimension	Specification	PU		
		41	773268	115x1.0x22.23	A60Q-BFKA	25	
			384142	115x1.2x22.23	TA60P-BFXA	25	
			14082	115x1.6x22.23	A60Q-BFKA	25	
			773269	125x1.0x22.23	A60Q-BFKA	25	
			384143	125x1.2x22.23	TA60P-BFXA	25	
			14085	125x1.6x22.23	A46Q-BFKA	25	
			401205	150x1.2x22.23	TA60P-BFXA	25	
			34165055	150x1.2x22.23	A46Q-BFKA	25	
			920351	150x1.6x22.23	A46Q-BFXA	25	
			34165056	178x1.6x22.23	A46Q-BFKA	25	
			920353	230x1.9x22.23	A46Q-BFXA	25	
				34040608	115x1.0x22.23	A60Q-BFKA	10 Tin
				34040609	125x1.0x22.23	A60Q-BFKA	10 Tin
			42	87215	115x1.0x22.23	A60Q-BFXA	25
87216	125x1.0x22.23			A60Q-BFXA	25		

Thicker cut-off wheels can be found from page 28.

PREMIUM* CUT-OFF WHEELS**





Super-thin cut-off wheels for stainless steel



With the next generation PREMIUM*** cut-off wheels for stainless steel you can enhance performance while significantly reducing tool wear. Super-thin cut-off wheels can be obtained from TYROLIT in thicknesses from 0.75 to 1.6 mm. They are particularly suitable for thin-walled metal sheets, profiles and pipes, as well as reinforced steel. Even for small stainless steel cross-sections and rods, and corrosion-

resistant or acid-resistant stainless steel these cut-off wheels offer effortless machining. The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength.

	Shape	Type no.	Dimension	Specification	PU	
		41	34040606	115x1,0x22,23	A60R-BFKA	10 Tin
			34040607	125x1,0x22,23	A60R-BFKA	10 Tin
			651998	100x1,0x16	A60R-BFXA	25
			610935	115x0,75x22,23	A60R-BFXA	25
			674471	115x1,0x22,23	A60R-BFKA	25
			51841	115x1,6x22,23	A46R-BFKA	25

	Shape	Type no.	Dimension	Specification	PU	
		41	610937	125x0,75x22,23	A60R-BFXA	25
			674473	125x1,0x22,23	A60R-BFKA	25
			51844	125x1,6x22,23	A46R-BFKA	25
			34060382	150x1,2x22,23	A46R-BFKA	25
			291583	150x1,6x22,23	A46R-BFXA	25
			34059901	178x1,6x22,23	A46R-BFKA	25
				42	282149	115x0,75x22,23
	282150			125x0,75x22,23	A60R-BFXA	25
	291587			150x1,6x22,23	A46R-BFXA	25
	291588			178x1,6x22,23	A46R-BFXA	25

Thicker cut-off wheels can be found from page 28.

PREMIUM*** CUT-OFF WHEELS

SUPER-THIN CUT-OFF WHEELS FOR NONFERROUS METALS

+ **Enhanced economic efficiency**
Significant increase in lifetime and cutting ability, which is particularly evident in their first-cut performance. The wheel delivers the best results with shorter cutting times right from the very first cut.

+ **Reduced working times**
Cutting times are reduced when used on aluminium, aluminium bronze, aluminium base alloys, copper, bronze, brass, nickel silver and titanium.



+ **Maximum comfort while working**
The tool operates consistently and without a jamming tendency, producing 30% less cutting dust. Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

The next generation of TYROLIT PREMIUM*** cut-off wheels achieves a better performance than other PREMIUM wheels, and with considerably reduced tool wear. In order to

cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula and production method in order to achieve short cutting times

with NF metals too. New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.

PREMIUM* CUT-OFF WHEELS**

Super-thin cut-off wheels for nonferrous metals



The next generation of TYROLIT PREMIUM*** cut-off wheels achieves a better performance than other PREMIUM wheels, and with considerably reduced tool wear. In order to cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula

and production method in order to achieve short cutting times with NF metals too. New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.

	Shape	Type no.	Dimension	Specification	PU	
		41	840247	115x1.0x22.23	A60N-BFXA	25
			170530	115x1.2x22.23	A46N-BFXA	25
			623553	115x1.6x22.23	A46N-BFXA	25
			257533	125x1.0x22.23	A60N-BFXA	25
			170542	125x1.2x22.23	A46N-BFXA	25
			739982	125x1.6x22.23	A46N-BFXA	25
			170567	150x1.2x22.23	A46N-BFXA	25
			42	170580	115x1.2x22.23	A46N-BFXA
170586	125x1.2x22.23			A46N-BFXA	25	
170587	150x1.2x22.23			A46N-BFXA	25	

Thicker cut-off wheels can be found from page 29.

PREMIUM* CUT-OFF WHEELS**
ACCU 2IN1 FOR STEEL AND STAINLESS STEEL

+ **Cordless work**

Using this cut-off wheel you can work on smaller tasks in hard-to-reach application areas, benefiting from the usual Tyrolit quality but without requiring a power source.

+ **Universal application options**

With the PREMIUM*** ACCU you obtain a tool that can be used for a range of applications on steel and stainless steel.



+ **Reduced downtimes**

Thanks to the short-term and efficient application options, downtimes for the operator can be significantly reduced.


The super-thin PREMIUM*** cut-off wheel has been specially designed for battery-powered angle grinders and enables smaller repairs to be carried out without requiring a power source. This therefore makes it con-

siderably easier to use on scaffolding, in difficult-to-reach terrain or work-places. These products have been optimised for battery-powered angle grinders and are ideal for cutting thin-walled

metal sheets, profiles and pipes. They also make light work of machining small cross-sections, rods and reinforced steel.

PREMIUM* CUT-OFF WHEELS**
 ACCU 2in1 for steel and stainless steel



Shape	Type no.	Dimension	Specification	PU	PU
	41	34022958	115x1.0x22.23	A60Q-BFKA	25
		34022959	125x1.0x22.23	A60Q-BFKA	25

PREMIUM*** CUT-OFF WHEELS

2IN1 WITH DEEP CUT PROTECTION FOR STEEL AND STAINLESS STEEL

+ Enhanced safety

The DEEP Cut protection metal bushing we have developed prevents the crown being removed from the wheel and thus a break out of the bore.

+ Greater economic efficiency

The longer range of application means that wheel changes are reduced.



+ Versatile application options

It is ideal for small sheet metal, profile and pipe cross-sections. Rods and metal reinforcements can also be cut effortlessly.

TYROLIT Film



The product film can be found on YouTube at www.youtube.com/TYROLITgroup

Using newly developed technology and new materials we have succeeded in taking another step towards improved user safety. The PREMIUM***

cut-off wheel with DEEP Cut Protection enables the user to achieve maximum insertion depths into the workpiece without damaging the wheel.

There is no risk of sharp workpiece edges removing the crown.



PREMIUM★★★ CUT-OFF WHEELS

2in1 with DEEP Cut Protection for steel and stainless steel



Using newly developed technology and new materials we have succeeded in taking another step towards improved user safety. The PREMIUM*** cut-off wheel with DEEP Cut Protection enables the user to achieve maximum insertion depths into the workpiece without damaging the wheel.

There is no risk of sharp workpiece edges removing the crown.

	Shape	Type no.	Dimension	Specification	PU	
		42	34042238	115x1.2x22.23	TA60P-BFXA	25
			34042239	125x1.2x22.23	TA60P-BFXA	25
			34042240	150x1.2x22.23	TA60P-BFXA	25



PREMIUM★★★ CUT-OFF WHEELS

For nonferrous metals and stone



This PREMIUM*** cut-off wheel reduces the work of the operator due to its excellent cutting ability. When used on tiles, ceramics, clinker and nonferrous metals, the wheel impresses by achieving clean cutting edges and excellent cutting quality. Machine wear is significantly reduced by low wheel thicknesses.

The advantages are topped off by its environmentally-friendly operation, thanks to the reduction in cutting waste.

	Shape	Type no.	Dimension	Specification	PU	
		41	337383	115x1.0x22.23	C46S-BFXA	25
			342978	125x1.0x22.23	C46S-BFXA	25
			320335	178x1.6x22.23	C46S-BFXA	25

Larger-diameter cut-off wheels can be found from page 45.



PREMIUM★★★ CERABOND




2in1 for steel and stainless steel



The TYROLIT CERABOND system brings almost 100 years of experience to a new generation of highest performance tools. With the cut-off wheels from the CERABOND family, we have succeeded in achieving an optimal combination of specially treated ceramic grain and bond structure. Thus it is possible to retain the abrasiveness and the lifetime of the cut-off wheel at the highest level.

The unique bond system prevents premature grain break-out and guarantees the full grinding power of the individual grains.

	Shape	Type no.	Dimension	Specification	PU	
		41	34059903	115x1.3x22.23	CA60Q-BFK A	15
			34059904	125x1.3x22.23	CA60Q-BFK A	15
			34059905	150x1.3x22.23	CA60Q-BFK A	15
			34019872	115x1.6x22.23	CA46Q-BFKA	15
			34019880	125x1.6x22.23	CA46Q-BFKA	15




	Shape	Type no.	Dimension	Specification	PU	
		41	34019881	150x1.6x22.23	CA46Q-BFKA	15
			34059906	178x1.6x22.23	CA46Q-BFKA	15
			34059907	230x2.0x22.23	CA30Q-BFKA	15
		42	34059908	115x1.3x22.23	CA60Q-BFK A	15
			34059909	125x1.3x22.23	CA60Q-BFK A	15
			34059910	150x1.3x22.23	CA60Q-BFK A	15
			34019882	115x1.6x22.23	CA46Q-BFKA	15
			34019883	125x1.6x22.23	CA46Q-BFKA	15
			34019884	150x1.6x22.23	CA46Q-BFKA	15

PREMIUM* CUT-OFF WHEELS**
 LONGLIFE for steel



In standard widths, this high-performance tool not only offers a cost-efficient solution, but also the highest safety standards. This is provided by the longest lifetime and stability of the PREMIUM*** LONGLIFE. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

The assortment of LONGLIFE cut-off wheels ranges from 1.6 to 1.9 mm for quick and convenient operation with the longest lifetime, and from 2.5 to 3.0 mm for the longest lifetime and stability.

	Shape	Type no.	Dimension	Specification	PU	
		41	637066	115x2.0x22.23	A30S-BFXA	25
			637067	125x2.0x22.23	A30S-BFXA	25
			637068	150x2.0x22.23	A30S-BFXA	25
			785339	178x2.0x22.23	A30S-BFXA	25
			637069	178x2.5x22.23	A30S-BFXA	25
			785333	230x2.0x22.23	A30S-BFXA	25
			637070	230x2.5x22.23	A30S-BFXA	25
			42	637071	115x2.5x22.23	A30S-BFXA
			637072	125x2.5x22.23	A30S-BFXA	25
			637073	178x3.0x22.23	A30S-BFXA	25
			637074	230x3.0x22.23	A30S-BFXA	25

*Thinner cut-off wheels can be found from page 21.
 Larger-diameter cut-off wheels can be found from page 44.*

PREMIUM* CUT-OFF WHEELS**




2in1 for steel and stainless steel



This high-performance tool has been designed to be used on both steel and stainless steel and its standard widths offer a cost-efficient solution. This is provided by the longest lifetime and stability of the PREMIUM*** 2in1. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

1.9 mm for quick and convenient operation with the longest lifetime, and from 2.5 to 3.0 mm for the longest lifetime and stability.

The assortment of 2in1 PREMIUM*** cut-off wheels ranges from 1.6 to

	Shape	Type no.	Dimension	Specification	PU		
		41	872338	115x2.5x22.23	A30Q-BFXA	25	
			872339	125x2.5x22.23	A30Q-BFXA	25	
			872340	150x2.5x22.23	A30Q-BFXA	25	
			872341	178x2.5x22.23	A30Q-BFXA	25	
			872342	178x3.0x22.23	A30Q-BFXA	25	
			34165057	230x2.0x22.23	A30Q-BFKA	25	
			872343	230x2.5x22.23	A30Q-BFXA	25	
			872344	230x3.0x22.23	A30Q-BFXA	25	
			42	872346	115x2.5x22.23	A30Q-BFXA	25
				912603	115x3.0x22.23	A30Q-BFXA	25
				872347	125x2.5x22.23	A30Q-BFXA	25
				872348	125x3.0x22.23	A30Q-BFXA	25
				907800	125x3.5x22.23	A30Q-BFXA	25
				872349	150x3.0x22.23	A30Q-BFXA	25
	872350		178x3.0x22.23	A30Q-BFXA	25		
	121878		230x2.5x22.23	A30Q-BFXA	25		
	872351		230x3.0x22.23	A30Q-BFXA	25		
	872352		230x3.5x22.23	A30Q-BFXA	25		

Thinner cut-off wheels can be found from page 22.

PREMIUM* CUT-OFF WHEELS**



For stainless steel






The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

quick and convenient operation with the longest lifetime, and from 2.5 to 3.0 mm for the longest lifetime and stability.

The assortment of these cut-off wheels ranges from 1.6 to 1.9 mm for

	Shape	Type no.	Dimension	Specification	PU	
		41	41489	115x2.0x22.23	A30R-BFXA	25
			41491	115x2.5x22.23	A30R-BFXA	25
			41492	125x2.0x22.23	A30R-BFXA	25
			41493	125x2.5x22.23	A30R-BFXA	25

	Shape	Type no.	Dimension	Specification	PU		
		41	41494	125x3.0x22.23	A30R-BFXA	25	
		41495	150x2.0x22.23	A30R-BFXA	25		
		41499	178x2.0x22.23	A30R-BFXA	25		
		35946	178x2.5x22.23	A30R-BFXA	25		
		34059902	230x2.0x22.23	A30R-BFKA	25		
		35950	230x2.5x22.23	A30R-BFXA	25		
		41501	230x3.0x22.23	A30R-BFXA	25		
			42	35937	115x2.0x22.23	A30R-BFXA	25
			41504	115x2.5x22.23	A30R-BFXA	25	
			35944	125x2.0x22.23	A30R-BFXA	25	
			41505	125x2.5x22.23	A30R-BFXA	25	
			41506	125x3.0x22.23	A30R-BFXA	25	
			41507	150x2.0x22.23	A30R-BFXA	25	
			41508	150x3.0x22.23	A30R-BFXA	25	
41509	178x2.5x22.23		A30R-BFXA	25			
41510	178x3.0x22.23		A30R-BFXA	25			
41511	230x2.5x22.23		A30R-BFXA	25			
41513	230x3.5x22.23	A30R-BFXA	25				

Thinner cut-off wheels can be found from page 22.




PREMIUM★★★ CUT-OFF WHEELS

For nonferrous metals



In order to cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula and production method in order to achieve short cutting times with NF metals too.

New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.

	Shape	Type no.	Dimension	Specification	PU		
		41	39624	115x2.5x22.23	A30N-BFXA	25	
		39321	125x2.5x22.23	A30N-BFXA	25		
		62726	150x2.5x22.23	A30N-BFXA	25		
		525355	178x2.0x22.23	A30N-BFXA	25		
		32141	178x2.5x22.23	A30N-BFXA	25		
		32142	230x2.5x22.23	A30N-BFXA	25		
			42	82646	115x2.5x22.23	A30N-BFXA	25
			366888	125x2.5x22.23	A30N-BFXA	25	
			468182	150x2.5x22.23	A30N-BFXA	25	
			5485	178x3.0x22.23	A30N-BFXA	25	
			651544	178x3.5x22.23	A30N-BFXA	25	
			30741	230x3.0x22.23	A30N-BFXA	25	

Thinner cut-off wheels can be found from page 24.

PREMIUM* CUT-OFF WHEELS**
FOCUR Extra for cast iron



The PREMIUM*** FOCUR Extra cut-off wheel offers maximum abrasiveness coupled with the best cutting ability. Innovative production technology combined with high-quality zirconium aluminium oxide makes this possible. The assortment of these cut-off wheels ranges from 2.5

to 3.5 mm. This high-performance tool has been developed for use on all cast materials.

	Shape	Type no.	Dimension	Specification	PU	
		42	929885	115x2.5x22.23	ZA30R-BFXA	25
			929886	125x2.5x22.23	ZA30R-BFXA	25
			929887	178x3.5x22.23	ZA30R-BFXA	25
			929889	230x3.5x22.23	ZA30R-BFXA	25
			904019	178x3.5x22.23	ZA30P-BFXA*	25
			635268	230x3.0x22.23	ZA30P-BFXA*	25
			855818	230x3.5x22.23	ZA30P-BFXA*	25

*Fe, S, Cl free

FOCUR SA
Diamond cut-off wheel for grey and spheroidal cast iron



FOCUR SA diamond cut-off wheels from TYROLIT are the optimum tool for machining grey and spheroidal cast iron. These products combine a long lifetime with maximum economic efficiency. FOCUR SA cut-off wheels are available in diameters from 178 to 600 mm.

	Shape	Type no.	Dimension	Specification	PU	
		UC3	102811	180x3.0x22.23	DC CI	1
			102813	230x3.0x22.23	DC CI	1

PREMIUM* CUT AND GRIND**
With DEEP Cut Protection for steel and stainless steel



With the introduction of the PREMIUM*** CUT AND GRIND it has become possible to perform applications such as grinding, deburring and shaping as well as cutting and plunging with only one tool. TYROLIT has now refined this technology. The wheels now have a thinner width of 2.0 mm and offer additional safety for the user with the new DEEP Cut Protection.

The risk of sharp workpiece edges removing the crown from the wheel and the consequent break out of the bore is prevented.



	Shape	Type no.	Dimension	Specification	PU	
		27EC	34042756	115x2.0x22.23	A46Q-BFXA	25
			34042757	125x2.0x22.23	A46Q-BFXA	25

PREMIUM* CUT AND GRIND**
2in1 for steel and stainless steel



With the introduction of the PREMIUM*** CUT AND GRIND it has become possible to perform applications such as grinding, deburring and shaping as well as cutting and plunging with only one tool. The design of the wheel guarantees the highest performance right from the start without compromising on safety.

While it provides versatile application options, the CUT AND GRIND complies with the highest safety standards.




	Shape	Type no.	Dimension	Specification	PU
		27EC 743946	150x3.0x22.23	A30Q-BFXA	25
		743947	178x3.5x22.23	A30Q-BFXA	25

STANDARD CUT-OFF WHEELS**
For steel



This tool not only offers a cost-efficient solution for your everyday work, but also the safety standards customers have come to expect from Tyrolit. This is provided by the excellent lifetime and stability of the STANDARD** cut-off wheel. The tool is particularly suitable for cutting solid material. This tool not only offers a cost-efficient solution for your everyday work,

This tool not only offers a cost-efficient solution for your everyday work, but also the safety standards customers have come to expect from Tyrolit. This is provided by the excellent lifetime and stability of the STANDARD** cut-off wheel. The tool is particularly suitable for cutting solid material.

	Shape	Type no.	Dimension	Specification	PU
		41 368009	100x2.5x16	A30S-BF	25
		367565	115x2.5x22.23	A30S-BF	25
		367569	125x2.5x22.23	A30S-BF	25
		552399	125x3x22.23	A30S-BF	25
		367574	150x2.5x22.23	A30S-BF	25
		367578	178x3.0x22.23	A30S-BF	25
		367583	230x3.0x22.23	A30S-BF	25
		42 368010	100x2.5x16	A30S-BF	25
		367781	115x2.5x22.23	A30S-BF	25
		367785	115x3.0x22.23	A30S-BF	25
		367786	125x2.5x22.23	A30S-BF	25
		367789	125x3.0x22.23	A30S-BF	25
		367800	178x3.0x22.23	A30S-BF	25
		367803	230x3.0x22.23	A30S-BF	25

Larger-diameter cut-off wheels can be found from page 45.

STANDARD CUT-OFF WHEELS**

For steel



This tool not only offers a cost-efficient solution for your everyday work, but also the safety standards customers have come to expect from Tyrolit. This is provided by the excellent lifetime and stability of the STANDARD** cut-off wheel. The tool is particularly suitable for cutting solid material.

The assortment of STANDARD** cut-off wheels for steel ranges from 2.5 to 3.0 mm. It offers a long lifetime and is suitable for universal use.

	Shape	Type no.	Dimension	Specification	PU	
		41	368016*	100x1.6x16	A46R-BFINOX	25
		367562*	115x1.0x22.23	A60R-BFINOX	25	
		367561*	115x1.6x22.23	A46R-BFINOX	25	
		367568*	125x1.0x22.23	A60R-BFINOX	25	
		408496	125x2x22.23	A30R-BFINOX	25	
		367567*	125x1.6x22.23	A46R-BFINOX	25	
		367776	150x2.0x22.23	A30R-BFINOX	25	
		367575	150x2.5x22.23	A30R-BFINOX	25	
		367576*	178x1.6x22.23	A46R-BFINOX	25	
		367777	178x2.0x22.23	A30R-BFINOX	25	
		367577	178x2.5x22.23	A30R-BFINOX	25	
		367581*	230x1.9x22.23	A46R-BFINOX	25	
		367780	230x2.0x22.23	A30R-BFINOX	25	
		367582	230x2.5x22.23	A30R-BFINOX	25	
			42	368017	100x2.0x16	A30R-BFINOX
367783	115x2.0x22.23			A30R-BFINOX	25	
367788	125x2.0x22.23			A30R-BFINOX	25	
367791	178x2.5x22.23			A30R-BFINOX	25	
367802	230x2.5x22.23			A30R-BFINOX	25	

*Super-thin cut-off wheels

STANDARD CUT-OFF WHEELS**



For stone



This STANDARD** cut-off wheel reduces the work of the operator due to its excellent cutting ability. When used on stone materials, the wheel impresses by achieving clean cutting edges and good cutting quality.

Reworking is no longer required.

	Shape	Type no.	Dimension	Specification	PU	
		41	367566	115x2.5x22.23	C30S-BF	25
		367572	125x2.5x22.23	C30S-BF	25	
		367580	178x3.0x22.23	C30S-BF	25	
		367585	230x3.0x22.23	C30S-BF	25	

	Shape		Type no.	Dimension	Specification	PU
		42	368012	100x2.5x16	C30S-BF	25
			367782	115x2.5x22.23	C30S-BF	25
			367787	125x2.5x22.23	C30S-BF	25
			367801	178x3.0x22.23	C30S-BF	25
			367804	230x3.0x22.23	C30S-BF	25



Larger-diameter cut-off wheels can be found from page 46.

BASIC★ CUT AND GRIND
2in1 for steel and stainless steel



The BASIC* CUT AND GRIND makes it possible to perform applications, such as grinding, deburring and shaping as well as cutting and plunging, with only one tool. The design of the wheel guarantees good performance right from the start without compromising on safety.

While it provides versatile application options, the CUT AND GRIND complies with the highest safety standards



	Shape		Type no.	Dimension	Specification	PU
		27CC	743938	100x2.5x16	A30Q-BF	25
			743942	115x2.5x22.23	A30Q-BF	25
			757089	125x2.8x22.23	A30Q-BF	25
			743944	178x3.5x22.23	A30Q-BF	25

BASIC★ CUT-OFF WHEELS
2in1 for steel and stainless steel



This tool is designed for use on both steel and stainless steel. Our BASIC* cut-off wheel 2in1 has an excellent lifetime and stability. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material. The 1.6 mm cut-off wheel available in the BASIC* assortment is particularly

suitable for fast, convenient and low-burr work. The stable cut-off wheels in thicknesses between 2.0 and 3.0 mm have a very long lifetime and are suitable for universal use.

	Shape		Type no.	Dimension	Specification	PU
		41	222996	100x2.5x16	A30Q-BF	25
			34051373*	115x1.0x22.23	A60Q-BF	25
			222899*	115x1.6x22.23	A46Q-BF	25
			222997	115x2.5x22.23	A30Q-BF	25
			34051374*	125x1.0x22.23	A60Q-BF	25

*Super-thin cut-off wheels

BASIC★ CUT-OFF WHEELS
2in1 for steel and stainless steel



This tool is designed for use on both steel and stainless steel. Our BASIC* cut-off wheel 2in1 has an excellent lifetime and stability. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material. The 1.6 mm cut-off wheel available in the BASIC* assortment is particularly

suitable for fast, convenient and low-burr work. The stable cut-off wheels in thicknesses between 2.0 and 3.0 mm have a very long lifetime and are suitable for universal use.

	Shape	Type no.	Dimension	Specification	PU		
		41	222900*	125x1.6x22.23	A46Q-BF	25	
			222998	125x2.5x22.23	A30Q-BF	25	
			34051375*	150x1.6x22.23	A46Q-BF	25	
			222999	150x2.5x22.23	A30Q-BF	25	
			633506*	178x1.6x22.23	A46Q-BF	25	
			250165	178x2.5x22.23	A30Q-BF	25	
			223000	178x3.0x22.23	A30Q-BF	25	
			633509*	230x1.9x22.23	A46Q-BF	25	
			291949	230x2.0x22.23	A30Q-BF	25	
			250169	230x2.5x22.23	A30Q-BF	25	
			223002	230x3.0x22.23	A30Q-BF	25	
			42	223020	100x2.5x16	A30Q-BF	25
				223021	115x2.5x22.23	A30Q-BF	25
				223022	125x2.5x22.23	A30Q-BF	25
291948	125x3.0x22.23			A30Q-BF	25		
223023	178x3.0x22.23			A30Q-BF	25		
222044	230x3.0x22.23			A30Q-BF	25		
291947	230x3.5x22.23			A30Q-BF	25		

*Super-thin cut-off wheels

BASIC★ CUT-OFF WHEELS
For stainless steel



The BASIC* cut-off wheel for stainless steel can be used to cut metal sheets, profiles, pipes, rods with small diameters and solid material. The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength.

The 1.0 mm thick cut-off wheels are particularly suitable for quick, comfortable and low-burr cutting.

	Shape	Type no.	Dimension	Specification	PU	
		41	456491*	100x1.0x10	A60R-BFINOX	25
			222893*	100x1.0x16	A60R-BFINOX	25
			222894*	115x1.0x22.23	A60R-BFINOX	25
			222896*	125x1.0x22.23	A60R-BFINOX	25

*Super-thin cut-off wheels




BASIC★ CUT-OFF WHEELS

For stone



The BASIC* cut-off wheel reduces the work of the operator due to its good cutting ability. When used on common building materials, the wheel impresses by achieving clean cutting edges and good cutting quality. The BASIC version of the 2.5 to 3.0 mm thick wheels offer a long lifetime and can be used for universal applications.

The advantages are topped off by its environmentally-friendly operation, thanks to the reduction in cutting waste.


	Shape	Type no.	Dimension	Specification	PU	
		41	223010	100x2.5x16	C30S-BF	25
			223012	115x2.5x22.23	C30S-BF	25
			223015	125x2.5x22.23	C30S-BF	25
			223016	150x2.5x22.23	C30S-BF	25
			222042	178x3.0x22.23	C30S-BF	25
			223019	230x3.0x22.23	C30S-BF	25
		42	223024	100x2.5x16	C30S-BF	25
			223025	115x2.5x22.23	C30S-BF	25
			223027	125x2.5x22.23	C30S-BF	25
			223029	178x3.0x22.23	C30S-BF	25
		223031	230x3.0x22.23	C30S-BF	25	

Smaller-diameter cut-off wheels can be found from page 47.

ACCESSORIES

For cut-off wheels

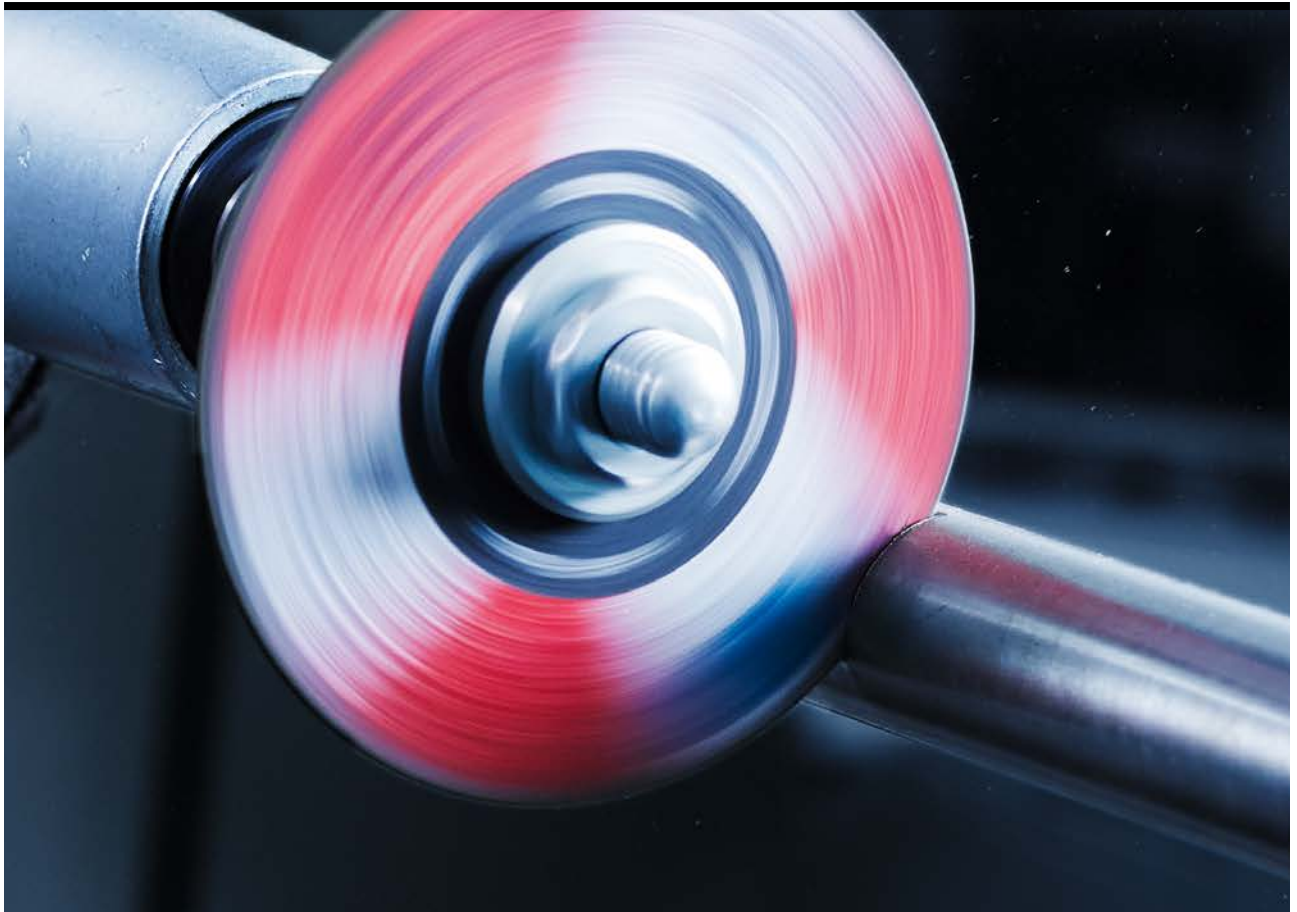
Using these accessories you can significantly increase lateral stability. This means more precise cutting and enhanced first-cut performance are achieved. These special accessories are made of tempered tool steel and are suitable for angle grinders with an M14 drive screw. It is recommended for super-thin cut-off wheels in a straight design and a diameter of 178 and 230 mm in particular.

	Shape	Type no.	Dimension	PU
	100SFL	614644	76 mm	1



1.2 CUT-OFF WHEELS FOR STRAIGHT GRINDERS





CUT-OFF WHEELS FOR STRAIGHT GRINDERS

Straight grinders are always in high demand when precise results are required on difficult-to-access areas. Their versatile application options make straight grinders a popular tool.

In order to fulfil the high standards it sets for itself, TYROLIT has developed wheels for particularly quick low-burr cutting with maximum lifetimes. These high-performance tools are perfect for cutting metal sheets, profiles, pipes and rods even

in difficult-to access locations. For TYROLIT, the most stringent safety standards for our cut-off wheels - as with all of our products - are of the highest priority. Reduced vibration and noise considerably improve your level of comfort while working.

On the following pages you will find the perfect tool for your requirements thanks to the uniform colour code for all materials.

Shapes

41 Cut-off wheels
(straight design)

Application recommendation



Performanceline	Specification	Pages	Steel	Stainless steel
PREMIUM ★★★	A100-BFM	40	●	
	A60R-BFXA	40		●
	A46R-BFXA	40		●

Items with grey lettering are only available on request.

PREMIUM* CUT-OFF WHEELS**

For steel



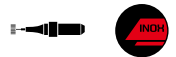
The quality of the PREMIUM*** cut-off wheel ensures the longest lifetime and cost-effective operation. By using the grit size 100, a particularly low burr result is achieved. The cut-off wheel in small diameters is designed for use on straight grinders.

This tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

	Shape	Type no.	Dimension	Specification	PU
	41	699330	63x1.0x10	A100-BFM	100
		704198	63x2.0x10	A100-BFM	100
		325212	75x1.0x10	A100-BFM	100

PREMIUM* CUT-OFF WHEELS**

For stainless steel



The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength. The PREMIUM*** cut-off wheel in small diameters is designed for use on straight grinders.

This tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

	Shape	Type no.	Dimension	Specification	PU
	41	323978	50x1.0x10	A60R-BFXA	100
		323970	50x2.0x6	A46R-BFXA	100
		299269	63x1.0x10	A60R-BFXA	100
		324404	63x1.6x10	A46R-BFXA	100
		711834	63x1.6x10	A60R-BFXA	100
		324402	63x2.0x6	A46R-BFXA	100
		324303	63x2.0x10	A46R-BFXA	100
		325228	75x1.0x8	A60R-BFXA	100
		299270	75x1.0x10	A60R-BFXA	100
		325222	75x1.6x10	A46R-BFXA	100
		331314	75x1.6x10	A60R-BFXA	100
		325224	75x2.0x8	A46R-BFXA	100
		325219	75x2.0x10	A46R-BFXA	100

ACCESSORIES

For cut-off wheels with a small diameter



These accessories enable cut-off wheels with small diameters to be clamped onto straight grinders. Easy handling and the highest possible

levels of safety are guaranteed for the operator. Please observe the maximum permissible speed.

	Shape	Type no.	Dimension	Specification	PU
		803404	S6/H10/M10	SS171	1
		846441	S10/H10/M10	SS173	1
		846442	S6/H6/M6	SS174	1

1.3 CUT-OFF WHEELS FOR PETROL CUTTING SAWS





CUT-OFF WHEELS FOR PETROL CUTTING SAWS

Cutting materials on building sites with no electricity or limited infrastructure is a common challenge. Whether the material is reinforced steel, pipes or rails, a petrol-powered cut-off grinder provides a quick and efficient solution. Petrol cutting saws are particularly popular machines for cutting large cross-sections and are frequently used tools.

TYROLIT offers the perfect tools for these varied cutting tasks. Whether for use on steel, stainless steel, stone or rails, thanks to the clear colour coding and application tips, you will always be able to find the

right product for your application and the material to be cut. TYROLIT guarantees optimum cutting results and maximum levels of safety in all situations.

Shapes



41H Cut-off wheels
(straight design)

Application recommendation



Performance level	Specification	Page	Steel	Rails	Stone
PREMIUM***	A30O-BF02A2	44	●		
	A30P5BF71A2	44	●		
	A30Q-BF02A2	44	●		
	A30Q4BF71A2	44	●		
	M85A30P4BF91A2	44	●		
	A30N-BF02A2	44	●		
	MA30Q4BF97M2	44	●		
	A24Q-BF	44		●	
	A24Q-BF100	44		●	
	C24O-BF02A2	45			●
	C30P4BF71A2	45			●
	1C24R6BF38A2	45			●
	C247O4BF33A2	45			●



Performance level	Specification	Page	Steel	Rails	Stone
STANDARD**	A30S-BF	45	●		
	A30S-BF100	45	●		
	A30S-BF RAIL	46		●	
	A30S-BF RAIL100	46		●	
	C30S-BF	46			●
	C30S-BF100	46			●



Performance level	Specification	Page	Steel	Stone
BASIC*	A30S-BF	46	●	
	A30S-BF100	47	●	
	C30S-BF	47		●
	C30S-BF100	47		●

Items with grey lettering are only available on request.



PREMIUM* CUT-OFF WHEELS**

For steel



TYROLIT provides the optimal tools for use on large cut-off machines in trade and industry. These include the PREMIUM*** cut-off wheel for steel in large diameters. This special tool is ideal for cutting workpieces with large cross-sections. As with all TYROLIT PREMIUM*** cut-off wheels, this tool has been optimised to achieve the best possible cutting ability and lifetime.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU	
		41H	255451	300x3.5x20	A30O-BF02A2	10
			75020	300x3.5x20	A30P5BF71A2	10
			307876	300x3.5x20	A30Q-BF02A2	10
			181071	300x3.5x22.23	A30O-BF02A2	10
			141512	300x3.5x22.23	A30Q-BF02A2	10
			83618	300x3.5x22.23	A30Q4BF71A2	10
			514745	300x3.5x22.23	M85A30P4BF91A2	10
			363478	300x3.5x25.4	A30O-BF02A2	10
			351693	300x3.5x30	A30N-BF02A2	10
			366794	300x3.5x30	A30Q-BF02A2	10
			419688	350x4.0x30	A30N-BF02A2	10
			623097	400x4.5x40	MA30Q4BF97M2	10

Smaller-diameter cut-off wheels can be found from page 21, 27.



PREMIUM* CUT-OFF WHEELS**

For rails



This wheel has been developed specially based on specifications for cutting rails. Despite extreme application conditions, such as humidity, cold and temperature fluctuations, the rail cut-off wheel from TYROLIT offers short cutting times coupled with minimal effort. Exceptionally clean, non-discoloured surfaces reduce reworking tasks and working times.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.



	Shape	Type no.	Dimension	Specification	PU	
		41H	665900	300x3.2x22.23	A24Q-BF	10
			676423	300x3.5x22.23	A24Q-BF100	10
			671093	350x3.8x22.23	A24Q-BF100	10
			671108	350x3.8x25.4	A24Q-BF100	10
			671090	400x4.3x22.23	A24Q-BF100	10
			676428	400x4.3x25.4	A24Q-BF100	10

PREMIUM* CUT-OFF WHEELS**
For stone



This PREMIUM*** cut-off wheel achieves the best results due to its excellent cutting ability that reduces the work of the operator. The cut-off wheel delivers the optimum cutting performance on solid material and large

cross-sections. Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU	
		41H	255450	300x3.5x20	C24O-BF02A2	10
		183592	300x3.5x22.23	C24O-BF02A2	10	
		9292	300x4.0x20	C30P4BF71A2	10	
		410277	300x4.0x22.23	1C24R6BF38A2	10	
		732088	300x4.0x25.4	C247O4BF33A2	10	
		668570	350x4.0x20	C24O-BF02A2	10	
		548170	350x4.0x25.4	C24O-BF02A2	10	



Smaller-diameter cut-off wheels can be found from page 26.

STANDARD CUT-OFF WHEELS**
For steel



TYROLIT provides the optimal tools for use on large cut-off machines in trade and industry. These include the STANDARD** cut-off wheel for steel in large diameters. This special tool is ideal for cutting workpieces with large cross-sections.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU	
		41H	384753	300x3.5x20	A30S-BF	10
		384754	300x3.5x22.23	A30S-BF	10	
		384755	300x3.5x25.4	A30S-BF	10	
		384756	350x4.0x20	A30S-BF100	10	
		384757	350x4.0x22.23	A30S-BF100	10	
		384758	350x4.0x25.4	A30S-BF100	10	
		386002	400x4.5x20	A30S-BF100	10	

Smaller-diameter cut-off wheels can be found from page 31.

STANDARD★★ CUT-OFF WHEELS

For rails



Despite extreme application conditions, such as humidity, cold and temperature fluctuations, the stone cut-off wheel from TYROLIT offers reduced cutting times coupled with minimal effort. Clean, non-discoloured surfaces reduce reworking tasks and working times.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU
		41H 75937	300x3.5x20	A30S-BFRAIL	10
		75938	300x3.5x22.23	A30S-BFRAIL	10
		75939	300x3.5x25.4	A30S-BFRAIL	10
		75934	350x4.0x20	A30S-BFRAIL100	10
		75935	350x4.0x22.23	A30S-BFRAIL100	10
		75936	350x4.0x25.4	A30S-BFRAIL100	10
		355251	400x4.3x25.4	A30S-BFRAIL100	10

STANDARD★★ CUT-OFF WHEELS

For stone



The technology from TYROLIT makes it possible to use two external reinforcements for cutting solid material and large cross-sections. This STANDARD★★ cut-off wheel achieves the best results due to its excellent cutting ability that reduces the work of the operator.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU
		41H 384759	300x3.5x20	C30S-BF	10
		384760	300x3.5x22.23	C30S-BF	10
		384761	300x3.5x25.4	C30S-BF	10
		384762	350x4.0x20	C30S-BF100	10
		384763	350x4.0x22.23	C30S-BF100	10
		384764	350x4.0x25.4	C30S-BF100	10
		386001	400x4.5x20	C30S-BF100	10

Smaller-diameter cut-off wheels can be found from page 32.

BASIC★ CUT-OFF WHEELS



For steel



The BASIC★ cut-off wheel for steel is suitable for cutting profiles, solid material and large cross-sections due to its design with two external reinforcements. With the BASIC★ wheel, you can achieve reduced cutting times coupled with minimal effort.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape	Type no.	Dimension	Specification	PU
		41H 223035	300x3.5x20	A30S-BF	10
		223037	300x3.5x22.23	A30S-BF	10
		223039	300x3.5x25.4	A30S-BF	10
		223040	300x3.5x32	A30S-BF	10

	Shape		Type no.	Dimension	Specification	PU
		41H	223042	350x4.0x20	A30S-BF100	10
			223043	350x4.0x22.23	A30S-BF100	10
			222045	350x4.0x25.4	A30S-BF100	10

Smaller-diameter cut-off wheels can be found from page 33.



BASIC★ CUT-OFF WHEELS

For stone



The technology from TYROLIT makes it possible to use two external reinforcements for cutting solid material and large cross-sections. The BASIC★ cut-off wheel therefore offers good stability and cutting ability, reducing the work of the operator.

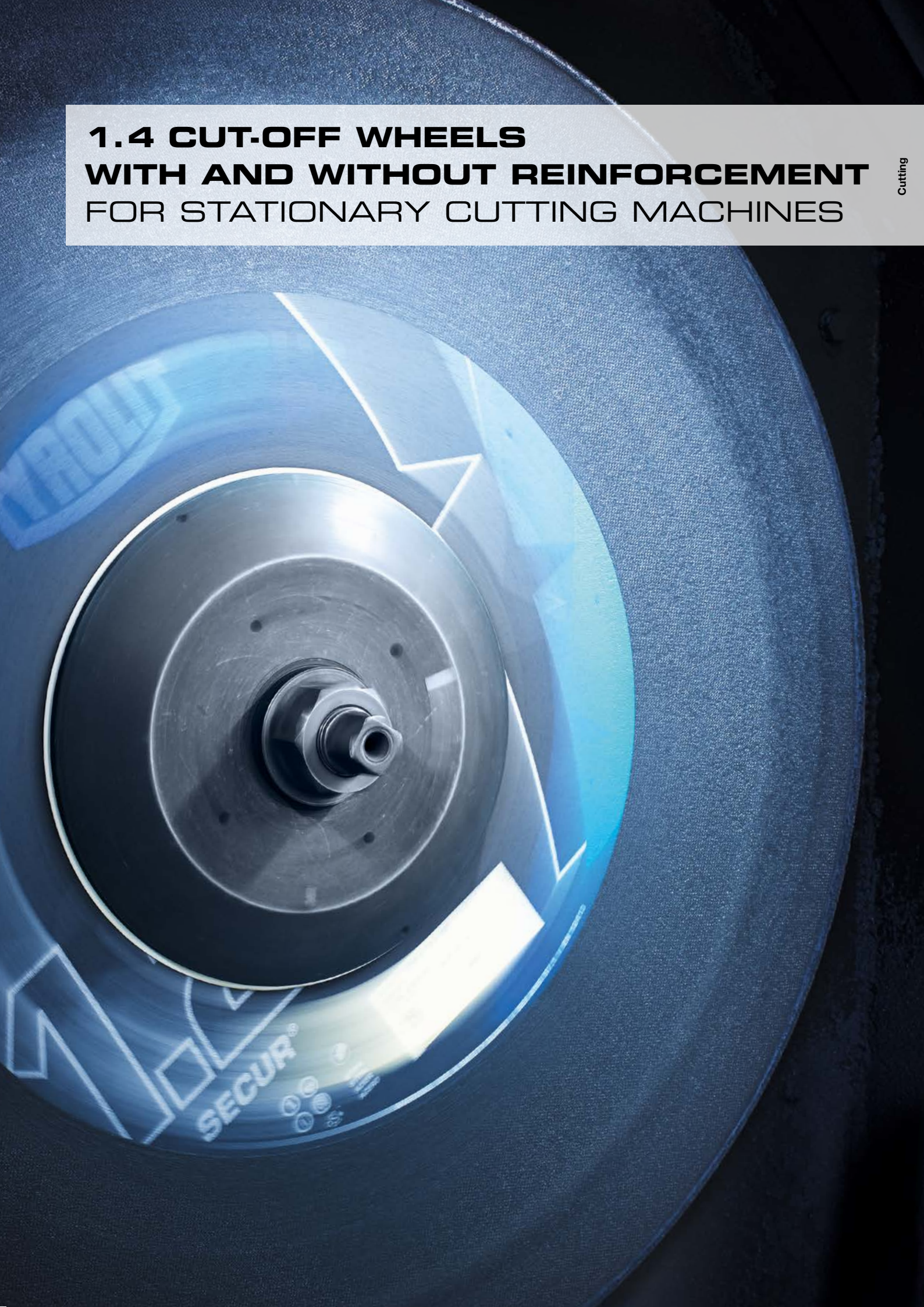
Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

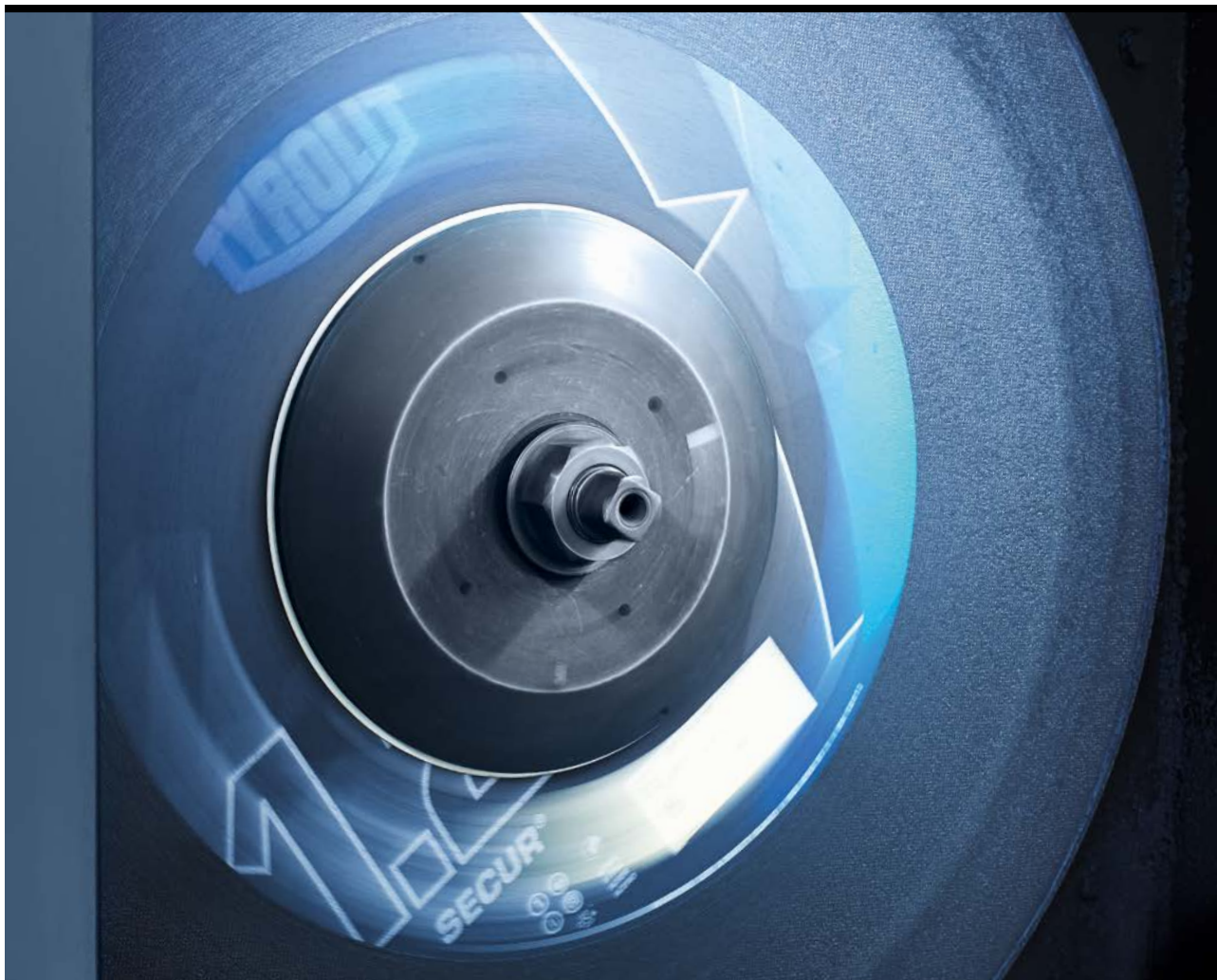
	Shape		Type no.	Dimension	Specification	PU
		41H	223129	300x3.5x20	C30S-BF	10
			223131	300x3.5x22.23	C30S-BF	10
			223132	300x3.5x25.4	C30S-BF	10
			223134	350x4.0x20	C30S-BF100	10
			223135	350x4.0x22.23	C30S-BF100	10
			223136	350x4.0x25.4	C30S-BF100	10

Smaller-diameter cut-off wheels can be found from page 34.



**1.4 CUT-OFF WHEELS
WITH AND WITHOUT REINFORCEMENT
FOR STATIONARY CUTTING MACHINES**





CUT-OFF WHEELS FOR STATIONARY CUTTING MACHINES

Stationary cutting machines are most commonly used in workshops. They ensure precision cutting of all materials, regardless of diameter.

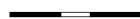
TYROLIT offers two types of cut-off wheel for this application. Firstly, cut-off wheels with reinforcement that can be used to cut profiles, pipes and solid material. Secondly, non-reinforced cut-off wheels for laboratory

cutting, for cutting and saw sharpening, and for cutting high speed steel.

Whether for use on steel, stainless steel, stone or rails, thanks to the clear colour coding and application

tips, you will always be able to find the right product for your application and the material to be cut. TYROLIT guarantees optimum cutting results and maximum levels of safety in all situations.

Shape



41H Cut-off wheels (straight design)



42 Cut-off wheel (depressed-centre design)



1 Saw sharpening



1A1R Cut-off wheels with continuous rim



41N non-reinforced cut-off wheel

Application recommendation



Performance level	Specification	Page	Steel	Stainless steel	NF metals	Stone
PREMIUM***	... BF71 ...	52	●			
	... BF02 ...	52	●			
	... BF97 ...	53		●		
	... BF68 ...	53		●		
	... BFXM ...	53		●		
	... BF98 ...	53		●		
	... BF59 ...	53			●	
	... BF33 ...	54				●
	C...BF71...	54				●



Performance level	Specification	Page	Steel
STANDARD**	A46S-BF	54	●



Performance level	Specification	Page	Steel
BASIC*	A46S-BF	55	●

Items with grey lettering are only available on request.

PREMIUM* CUT-OFF WHEELS**

For steel



TYROLIT provides the optimal tools for use on stationary cutting machines in chop cut. These include the PREMIUM*** cut-off wheel for steel in diameters from 300 to 500 mm. This special tool is ideal for cutting workpieces with large cross-sections, as well as solid material and profiles.

As with all TYROLIT PREMIUM*** cut-off wheels, this tool has been optimised to achieve the best possible cutting ability and lifetime.

	Shape	Type no.	Dimension	Specification	PU	
		41	779426	300x2.5x25.4	A36N4BF71A2	10
		641977	300x3.0x22.23	A30P4BF71M100	10	
		630117	300x3.5x22.23	A30P4BF71M100	10	
		636399	300x3.5x25.4	A30P4BF71M100	10	
		643371	300x3.5x25.4	A30N-BF02M	10	
		630116	300x3.5x32	A30P4BF71M100	10	
		140022	300x3.5x30	A30Q-BF02M	10	
		151301	300x3.5x32	A30Q-BF02M	10	
		598487	300x3.2x22.23	A36N5BF71M	10	
		615549	350x2.5x25.4	A46N4BF71M	10	
		779428	350x2.5x25.4	A36N4BF71A2	10	
		780935	350x3.5x25.4	A36N5BF71M	10	
		408229	350x3.5x25.4	A30N-BF02M	10	
		309469	350x3.5x25.4	A24P-BF02M	10	
		84363	350x3.5x25.4	A30O4BF71M	10	
		633286	350x4.0x25.4	A30N-BF02M	10	
		780938	400x3.5x25.4	A36N5BF71M	10	
		639076	400x4.0x25.4	A30N-BF02M	10	
		396678	400x4.0x40	A30N-BF02M	10	
		196324	400x4.0x32	A30Q-BF02M	10	
		136777	400x4.0x40	A30Q-BF02M	10	
		272894	400x4.0x40	A24P-BF02M	10	
		37348	400x4.0x25.4	A24Q4BF71M	10	
		829562	400x4.0x51	A30N4BF71A2100	10	
		630537	400x4.0x51	A30P5BF71M100	10	
514338	500x5.5x40	A24O4BF71M100	10			
722981	500x5.0x25.4	A24Q4BF71M	10			

Thinner cut-off wheels can be found from page 27.

PREMIUM★★★ CUT-OFF WHEELS




For stainless steel



TYROLIT provides the optimal tools for use on stationary cutting machines in chop cut. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material. Despite its versatile use, the tool offers maximum cutting ability and the longest lifetime.

The chemical purity of this tool is a requirement of machining stainless

steel in order to avoid impairments to the material, such as corrosion, pitting or a reduction in the fatigue strength.

	Shape	Type no.	Dimension	Specification	PU		
		41	647224*	250x2.5x25.4	A24Q4-BF97A2	10	
		559743	300x2.5x25.4	A46N4BF68M	10		
		66490	300x3x25.4	A24O-BFXM	10		
		647229*	300x3.5x32	A24Q4-BF97M	10		
		519232	350x2.5x25.4	A46N4BF68M	10		
		66491	350x3.5x25.4	A24O-BFXM	10		
		94110	350x3.5x32	A24O-BFXM	10		
		647216*	350x3.5x40	A24Q4-BF97M	10		
		538503	400x2.5x25.4	A46N4BF68M	10		
		551616	400x3.0x25.4	A46N4BF68M	10		
		196324	400x4.0x32	A30Q-BF02M	10		
		136777	400x4.0x40	A30Q-BF02M	10		
		66493	400x4.0x40	A24O-BFXM	10		
		647218*	400x4.0x40	A24Q4-BF97M	10		
		460744*	500x5.0x40	A24P4-BF97M	10		
		793077*	500x5.5x25.4	A241P4-BF98M	10		
		647232*	600x6.0x60	A24O4-BF97M2	10		
			42	647684*	400x5.0x60	A24Q4-BF97M	10
				647389*	500x6.0x60	A24P4-BF97M	10
647377*	600x7.0x60			A24O4-BF97M2	10		

*Also suitable for steel. Thinner diameter cut-off wheels can be found from page 28.



PREMIUM★★★ CUT-OFF WHEELS

For nonferrous metals



In order to cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula and production method in order to be able to perform stationary cutting on NF metals too. New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.

As with all TYROLIT PREMIUM*** cut-off wheels, this tool has been optimised to achieve the best possible cutting ability and lifetime.

	Shape	Type no.	Dimension	Specification	PU	
		41	58157	300x3.5x25.4	A30P4BF59M	10
		309471	350x3.5x25.4	A30O4BF59M	10	
		800035	400x4.0x40	A30O4BF59M	10	
		56918	500x5.0x25.4	A30P4BF59M100	10	
		422374	500x5.5x40	A24N5BF59M2	10	

Thinner cut-off wheels can be found from page 29.

FOCUR SA

Diamond cut-off wheel for grey and spheroidal cast iron



FOCUR SA diamond cut-off wheels from TYROLIT are the optimum tool for machining grey and spheroidal cast iron. These products combine a long lifetime with maximum economic efficiency. FOCUR SA cut-off wheels are available in diameters from 178 to 600 mm.

	Shape	Type no.	Dimension	Specification	PU
		UC3			
		102814	300x3.0x40	DC CI	1
		102831	350x3.5x40	DC CI	1
		102850	400x4.0x60	DC CI	1
		102855	450x4.0x60	DC CI	1
		102856	500x5.0x60	DC CI	1
		102859	600x5.0x60	DC CI	1

PREMIUM* CUT-OFF WHEELS**

For stone



With this tool you obtain the ideal solution for stationary cutting of common building materials. This PREMIUM*** cut-off wheel achieves the best results for large cross-sections due to its excellent cutting ability that reduces the work of the operator.

As with all TYROLIT PREMIUM*** cut-off wheels, this tool has been optimised to achieve the best possible cutting ability and lifetime.

	Shape	Type no.	Dimension	Specification	PU
		41			
		1649	350x4.0x25.4	C2004BF33M	10
		28692	400x4.0x30	C2004BF33M	10
		639799	500x5.0x25.4	C20P4BF71M	10

Smaller-diameter cut-off wheels can be found from page 29.

STANDARD CUT-OFF WHEELS**

For steel



TYROLIT provides the optimal tools for use on stationary cutting machines in chop cut. This special tool is ideal for cutting workpieces with large cross-sections, as well as solid material and profiles. The internal reinforcement and rough side surfaces enable low burr cutting of workpieces.

As with all TYROLIT STANDARD** cut-off wheels, this tool has been optimised to achieve excellent cutting ability and lifetime.

	Shape	Type no.	Dimension	Specification	PU
		41			
		390531	300x2.5x25.4	A46S-BF	10
		390532	350x2.8x25.4	A46S-BF	10

Thinner cut-off wheels can be found from page 31.



BASIC★ CUT-OFF WHEELS

For steel




This special tool is ideal for cutting workpieces with large cross-sections, as well as solid material and profiles. The internal reinforcement and rough side surfaces enable low burr cutting of workpieces.

As with all TYROLIT BASIC* cut-off wheels, this tool has been optimised to achieve excellent cutting ability and lifetime.

	Shape	Type no.	Dimension	Specification	PU
		41 223032	300x2.5x25.4	A46S-BF	10
		223033	350x2.8x25.4	A46S-BF	10

ORDERING EXAMPLE

Dimensions of the cut-off wheel: 250 x 1.5 x 32 mm
 Material to be cut: Tool steel workpiece Wst.nr. 1,2312 (40CrmmoS8-6)
 Hardness: 440 hV / 44.5 HRC
 Result: Type 167205

	Hardness		Recommended specification		
	Vickers hardness	Rockwell	Hard	Medium	Soft
	1000 HV	72,3 HRC			
	700 HV	60,5 HRC			
	500 HV	49,1 HRC			
	350 HV	35,5 HRC			
	250 HV	22,0 HRC			
	150 HV				
	120 HV				
	80 HV				
	50 HV				
	30 HV				
	Dimension		Type No.	Type No.	Type No.
	432x3,0x32		167352	167351	167344
	400x3,0x32		167340	167339	167338
	350x2,5x32		169477	167334	167333
	300x2,0x32		169479	167226	167225
	250x1,5x32		167207	167205	165940
	230x1,5x32		167219	167215	167214
	Specification		A80-BH	A80-BM	A80-BS


PREMIUM* LAB**

Laboratory for nonferrous metals, plastics and titanium

Application guidelines

- Use sufficient coolant with 2 - 3 % anti-corrosion additive
- Avoid applying too much pressure to prevent any cut deviation

- For larger workpiece dimensions, we recommend using the next softest specification

	Dimension	Type No.		
		NF metals	plastics	Titanium
	432x3.0x32	167354	167351	
	400x3.0x32	167432	167354	
	350x2.5x32	167335	167335	167336
	300x2.0x32	167229	167229	
	250x1.5x32	167210	167210	167211
	230x1.5x32	167220	167220	167221
	Specification	C80-BN	C80-BN	C80-BT

vs < 50 m/sec (higher speed on request)

PREMIUM★★★ LAB



For steel and stainless steel



Construction/materials able to be machined: High performance cut-off wheels without reinforcement for ferrous metals; PREMIUM★★★ laboratory cut-off wheel range offers the optimum cut-off wheel for a variety of materials, workpiece dimensions and hardnesses.

Details: For use on stationary machines without reinforcement, so not suitable for hand held applications; workpiece must be fixed, do not expose to lateral load.

- Specification soft for 60.5 – 72.3 HRC
- Specification medium for 22.0 – 60.5 HRC
- Specification hard up to 22.0 HRC

	Shape	Type no.	Dimension	Specification	Classification	PU	
		41N	167219	230x1.5x32	A80-BH50	hard	10
		167215	230x1.5x32	A80-BM50	medium	10	
		167214	230x1.5x32	A80-BS50	soft	10	
		167207	250x1.5x32	A80-BH50	hard	10	
		167205	250x1.5x32	A80-BM50	medium	10	
		165940	250x1.5x32	A80-BS50	soft	10	
		596848	250x1.8x32	89A60L5B17/50	very easy cutting	10	
		169479	300x2.0x32	A80-BH50	hard	10	
		167226	300x2.0x32	A80-BM50	medium	10	
		167225	300x2.0x32	A80-BS50	soft	10	
		597041	300x2.0x32	89A60L5B17/50	very easy cutting	10	
		169477	350x2.5x32	A80-BH50	hard	10	
		167334	350x2.5x32	A80-BM50	medium	10	
		167333	350x2.5x32	A80-BS50	soft	10	
		597383	350x2.5x32	89A60J5B17/50	very easy cutting	10	
		167340	400x3.0x32	A80-BH50	hard	10	
		167339	400x3.0x32	A80-BM50	medium	10	
		167338	400x3.0x32	A80-BS50	soft	10	
167352	432x3.0x32	A80-BH50	hard	10			
167351	432x3.0x32	A80-BM50	medium	10			
167344	432x3.0x32	A80-BS50	soft	10			

PREMIUM★★★ LAB



For titanium and nonferrous metals



Construction/materials able to be machined: High performance cut-off wheels without reinforcement for nonferrous metals, plastics and titanium

- Sufficient lubricant with 2 – 3% anti-corrosion additive
- Avoid applying too much pressure to prevent any cut deviation.



Details: For use on stationary machines, so not suitable for hand held applications; workpiece must be fixed, do not expose to lateral load. For larger workpiece dimensions, we recommend using the next softest specification.

	Shape	Type no.	Dimension	Specification	Classification	PU	
		41N	167220	230x1.5x32	C80-BN50	Nonferrous / Plastics	10
		167221	230x1.5x32	C80-BT50	Titanium	10	
		167210	250x1.5x32	C80-BN50	Nonferrous / Plastics	10	
		167211	250x1.5x32	C80-BT50	Titanium	10	

PREMIUM★★★ LAB

For titanium and nonferrous metals



	Shape	Type no.	Dimension	Specification	Classification	PU	
		41N	167229	300x2.0x32	C80-BN50	Nonferrous / Plastique	10
		167335	350x2.5x32	C80-BN50	Nonferrous / Plastique	10	
		167336	350x2.5x32	C80-BT50 A2	Titanium	10	
		167342	400x3.0x32	C80-BN50	Nonferrous / Plastique	10	
		167354	432x3.0x32	C80-BN50	Nonferrous / Plastique	10	




PREMIUM★★★

Cutting and saw sharpening




Construction/materials able to be machined: High-performance cut-off wheels without reinforcement for stationary machines and automated saw sharpening machines.

Details: For use on stationary machines without reinforcement, so not suitable for hand held applications; workpiece must be fixed, do not expose to lateral load.

	Shape	Type no.	Dimension	Specification	PU	
		1	591080*	150x3.0x20	A60O5B68	10
		655529*	200x2.0x25	89A60M5B0	10	
		41N	529392	100x1.0x20	A80N4B2	10
		202159	100x1.0x20	A80N4B68	10	
		46633	100x1.0x20	A80O4B43	10	
		722408	100x1.5x20	A80N4B2	10	
		6673	100x2.0x20	A80N4B2	10	
		88461**	120x2.0x51	A60N4B2	10	
		282077	120x2.0x51	A60N5B68	10	
		608409	120x2.0x51	A60P4B68	10	
		1197	120x2.0x51	A60O5B43	10	
		596269	125x1.0x16	A60O5B68	10	
		25590	125x1.0x20	A60O5B43	10	
		282079	125x1.0x20	A60N5B68	10	
		35917	125x1.0x20	A80O5B43	10	
		282080	125x1.0x20	A80N5B68	10	
		282078	125x1.5x20	A60N5B68	10	
		614686	150x1.0x16	A60P5B68	10	
		282110	150x1.0x20	A60N5B68	10	
		1211	150x1.0x20	A60O5B43	10	
591103	150x1.0x20	A60O5B68	10			
282111	150x1.0x20	A80N5B68	10			
13695	150x1.0x20	A80O5B43	10			
594360	150x1.0x20	A80O5B68	10			

* For saw sharpening only. ** Also suitable for saw sharpening.

	Shape	Type no.	Dimension	Specification	PU	
		41N	39110	150x1.0x32	A80O5B43	10
		8833	150x1.5x20	A60O5B43	10	
		282085	150x1.5x20	A60N5B68	10	
		591104	150x1.5x20	A60O5B68	10	
		282105	150x1.5x20	A80N5B68	10	
		79957	150x1.5x20	A80O5B43	10	
		662430	150x1.5x32	A80N5B68	10	
		42808	150x1.6x20	A60P4B43	10	
		227165	150x1.6x32	A60O5B43	10	
		58158	150x1.6x32	A60P4B43	10	
		15685	150x2.0x20	A60O5B43	10	
		32023	150x2.0x20	A60N4B2	10	
		282112	150x2.0x20	A60N5B68	10	
		594362	150x2.0x20	A60O5B68	10	
		594356	150x2.0x30	A60O5B68	10	
		33436	150x2.0x30	A60N4B2	10	
		594357	150x2.0x30	A60Q5B68	10	
		648577	150x2.0x32	A60O4B68	10	
		80143	150x2.0x32	A80N4B2	10	
		223516**	150x2.5x20	A60N4B2	10	
		598971	150x2.5x20	A60O5B68	10	
		591680	150x2.5x30	A60Q5B68	10	
		596520	175x2.0x51	A60P4B68	10	
		607744	175x3.0x51	A60P4B68	10	
		675283	180x1.0x32	A60O5B43	10	
		493199	180x1.6x32	A60O5B68	10	
		282113	200x1.5x20	A60N5B68	10	
		1254	200x1.5x20	A60O5B43	10	
		282114	200x1.5x32	A60N5B68	10	
		6718	200x1.5x32	A60O4B43	10	
		42809	200x1.6x25.4	A60P4B43	10	
		230691	200x1.6x32	A60M4B43	10	
		205822	200x1.6x32	A60P4B43	10	
		6710**	200x2.0x20	A60N4B2	10	
		96205**	200x2.0x32	A60N4B2	10	
		62874	200x2.0x32	A60N4B43	10	
97442	200x2.5x32	A60N4B2	10			
12970**	200x3.0x32	A60N4B2	10			
863284	200x3.0x32	A60P4B68	10			
599666	230x1.5x22.2	89A60N4B68	10			

* For saw sharpening only. ** Also suitable for saw sharpening.

PREMIUM★★★

Cutting and saw sharpening



Construction/materials able to be machined: High-performance cut-off wheels without reinforcement for stationary machines and automated saw sharpening machines.

Details: For use on stationary machines without reinforcement, so not suitable for hand held applications; workpiece must be fixed, do not expose to lateral load.

	Shape	Type no.	Dimension	Specification	PU	
		41N	373520	250x1.5x25.4	A6005B71	10
		834839	250x1.6x32	89A80L4B43	10	
		549002	300x2.0x31.75	89A80L4B43	10	
		60572	300x2.0x32	A8005B71	10	
		220394	400x2.8x25.4	89A60L4B59	10	

* For saw sharpening only. ** Also suitable for saw sharpening.

PREMIUM★★★

Cutting HSS



Construction/materials able to be machined: High performance cut-off wheels for cutting high speed steel; cost-effective with diamond tools.

Details: automatic feed and sealed application.

	Shape	Type no.	Dimension	V-X	Specification	PU	
		1A1R	788700	125x1.0x20	1-5	B126 C75 B	1
		164485	125x1.0x20	1-5	B151 C100 B	1	
		494701	150x1.0x20	1-5	B151 C100 B	1	

PREMIUM★★★

Cutting cemented carbide

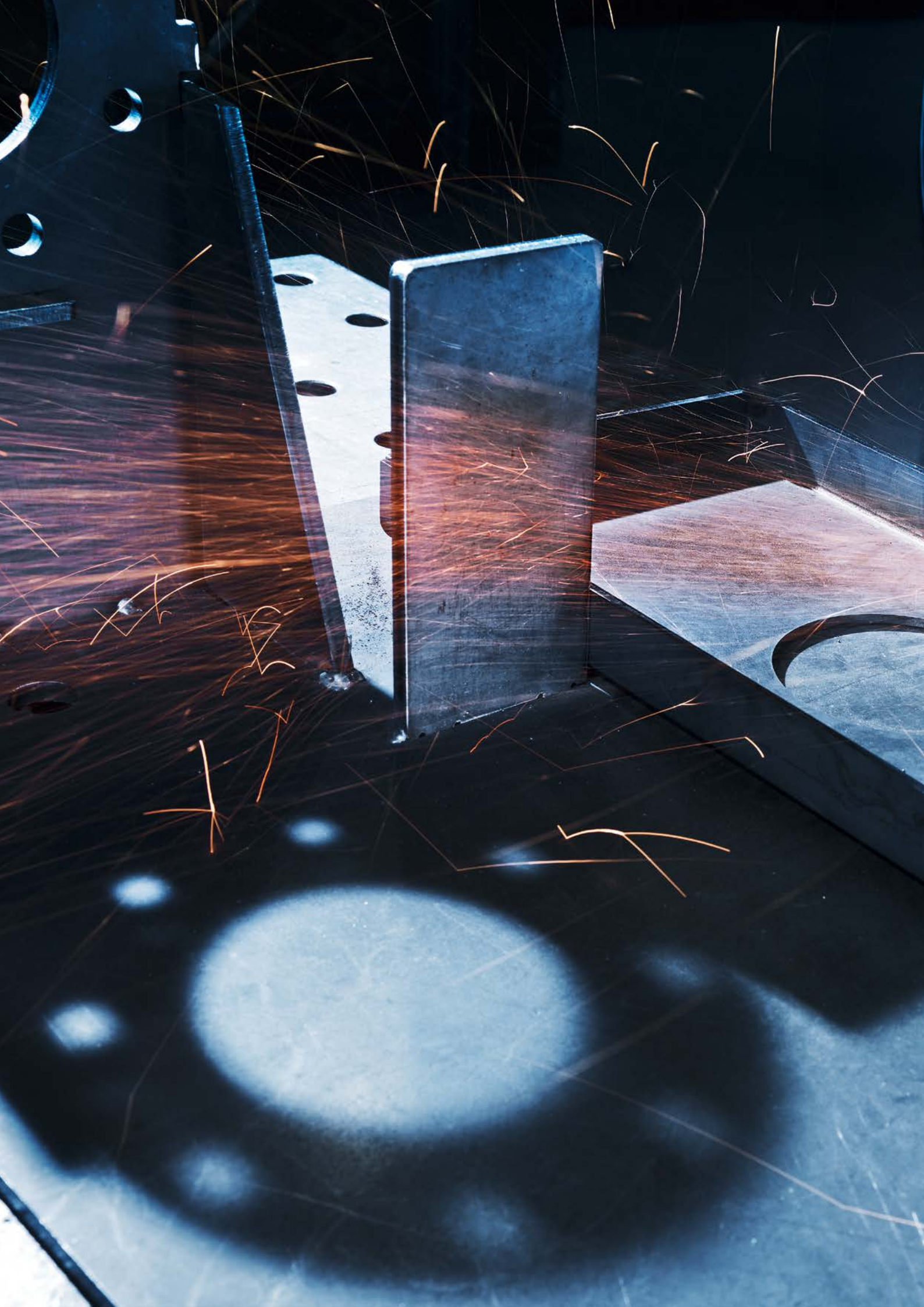


Construction/materials able to be machined: High performance cut-off wheels for cutting cemented carbide; cost-effective with diamond tools.

Details: automatic feed and sealed application.

	Shape	Type no.	Dimension	V-X	Specification	PU	
		1A1R	157800	75x0.8x20	0.8-5	D126 C75 B	1
		119395	100x0.8x20	0.8-5	D126 C100 B	1	
		100660	100x1.0x20	41030	D126 C100 B	1	
		108728	100x1.5x20	1.5-5	D126 C75 B	1	
		101000	125x1.0x20	41030	D126 C100 B	1	
		148132	150x1.0x20	41030	D126 C100 B	1	
		317532	150x1.0x20	41030	D126 C75 B	1	
		278979	150x1.0x20	41030	D151 C100 B	1	
		667995	200x1.0x22	41030	D126 C100 B	1	
		858531	200x1.2x20	1.2-7	D126 C100 B	1	
		603284	200x1.2x30	1.2-7	D151 C100 B	1	







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SPECIFIC INFORMATION

RESIN-BONDED GRINDING WHEELS

Cut-off wheels product label



Colour codes

Label:	Steel	2in1/3in1	INOX	Nonferrous metals	Cast iron	Stone
Colour code:	Blue	Blue	Red	Orange	Purple	Green
Material:	Steel	2in1 = Steel and stainless steel, 3in1 = Steel, stainless steel and cast iron	Stainless steel	Aluminium, copper, zinc, brass, bronze, stone	Cast materials	Stone

Cut-off wheels specification

A24Q-BFX

X	TYROLIT internal designation
F	Fibre-reinforced: Fibre glass (safety, lateral load, operating speed)
B	Bonding agent: B/Resin
Q	Designation of hardness: N, O, P, Q, R, S, T
24	Grit size 30 in mesh: usually 24, 30, 36, 46, 60, 80, 120
A	Abrasive: A ... Regular aluminium oxide, C ... Silicon carbide, ZA ... Zirconia alumina

Pictograms for machines



Angle grinder



Pneumatic angle grinder



Angle grinder with cup wheels



Straight grinder





2.1 ROUGH GRINDING WHEELS FOR ANGLE GRINDERS



ROUGH GRINDING WHEELS FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the handicraft and industrial sectors for machining all types of metals. TYROLIT offers the perfect rough grinding wheels for convenient and quick use with small and large angle grinders.

The TYROLIT range of rough grinding wheels meets the most stringent demands for cost-effective working, high stock removal rates, simple handling and above-average lifetimes. Our high-performance rough grinding wheels deliver the best results in both standard and special applications.

Continuous developments, such as the introduction of the „Comfort Start“ edge, with which every user

can achieve optimum results right from the start, make our rough grinding wheels one of the most advanced tools in the sector.

Working safety and comfort, provided for example by the vibration-damped VIBSTAR rough grinding wheel and the noise reducing SILENTIO, are also of great importance to us.

All TYROLIT rough grinding wheels are manufactured and tested in accordance with EN12413. Uniform colour coding helps you to find the appropriate product for your application.

Shapes



27 rough grinding wheel



27V rough grinding wheel (VIBSTAR vibration-damped)



27SI rough grinding wheel (SILENTIO noise-reduced)



28CON rough grinding wheel (CONFLEX)

Application recommendation



Performance Level	Specification	Pages	Steel	Stainless steel	2in1	NF metals	Cast iron	3in1	Stone
PREMIUM***	A30R-BFX	75, 76, 77		●					
	A30S-BFX	LONGLIFE 70	●						
	A30Q-BFX	2in1 72, 73, 74			●				
	A36N-BFX	77				●			
	A36L-BFX	77				●			
	ZA24N-BFX	FOCUR Extra 79					●		
	ZA24P-BFX	FOCUR Extra 79					●		
	ZZA24R-BFX	FOCUR Extra 79, 80					●		
	C30S-BFX	80							●
	ZA30Q-BFR	3in1 74						●	
	ZZA24T-BFK	T-GRIND 78		●			●		
	A24O-BFX	2in1 73				●			
	CA24Q-BFK	2in1 71				●			
	ZZA24S-BFX	FOCUR Extra 79, 80						●	



Performance Level	Specification	Pages	Steel	Stainless steel	Cast iron	Stone
STANDARD**	A30R-BFINOX	81		●		
	A24S-BF	80	●			
	ZA30-BF	FOCUR 81			●	
	C30S-BF	81				●



Performance Level	Specification	Pages	2in1	Cast iron	Stone	Stainless steel/ NF metals
BASIC*	A30Q-BF	82	●			
	AC30N-BF	83		●		
	C30S-BF	83			●	
	A30P-BF	82		●		
	WA46R-BF	TOUCH 83				●



Items with grey lettering are only available on request.

PREMIUM*** ROUGH GRINDING WHEEL
 LONGLIFE for steel



The PREMIUM*** LONGLIFE is a high-performance rough grinding wheel for surface and edge grinding. The 4 mm thick rough grinding wheel achieves the highest stock removal rates, such as in pipeline construction applications.

The 7, 8 and 10 mm thick LONGLIFE rough grinding wheels offer enhanced dimensional stability for welding and root welding.

	Shape	Type no.	Dimension	Specification	PU
		5279	100x6.0x16	A30S-BFX	10
		5288	115x4.0x22.23	A30S-BFX	10
		5294	115x7.0x22.23	A30S-BFX	10
		5306	125x4.0x22.23	A30S-BFX	10
		5314	125x7.0x22.23	A30S-BFX	10
		843037	150x4.0x22.23	A30S-BFX	10
		5331	150x7.0x22.23	A30S-BFX	10
		5350	178x4.0x22.23	A30S-BFX	10
		5363	178x7.0x22.23	A30S-BFX	10
		5384	178x8.0x22.23	A30S-BFX	10
		5396	178x10.0x22.23	A30S-BFX	10
		5407	230x4.0x22.23	A30S-BFX	10
		5413	230x7.0x22.23	A30S-BFX	10
		5429	230x8.0x22.23	A30S-BFX	10



PREMIUM★★★ ROUGH GRINDING WHEEL CERABOND 2IN1 FOR STEEL AND STAINLESS STEEL

+ Improved productivity

A special structural composition offers maximum system performance.

+ Shorter work processes

Working times are substantially reduced through improved abrasiveness.



Rough grinding wheel with and without „Comfort Start“.

+ Lower production costs

The unique bond technology, optimised for ceramic grain, prevents the grain break-out and leads to a longer lifetime for the tool.

The TYROLIT CERABOND system brings almost 100 years of experience to a new generation of highest performance tools. With the rough grinding wheels from the CERABOND family, we have succeeded in achieving an ideal combination of

specially treated ceramic grain and bond structure.

Thus it is possible to keep the abrasiveness and the lifetime of the wheel at the highest level. The unique bond system prevents premature grain

break-out in order to guarantee the full grinding power of the individual grains. This rough grinding wheel is particularly suitable for steel and stainless steel applications.

**PREMIUM★★★ ROUGH GRINDING WHEEL
CERABOND 2in1 for steel and stainless steel**



	Shape	Type no.	Dimension	Specification	PU
		34060373	115x4.0x22.23	CA24Q-BFK	5
		34019874*	115x7.0x22.23	CA24Q-BFK	5
		34060374	125x4.0x22.23	CA24Q-BFK	5
		34019876*	125x7.0x22.23	CA24Q-BFK	5
		34060375	150x4.0x22.23	CA24Q-BFK	5
		34019877*	150x7.0x22.23	CA24Q-BFK	5
		34060376	178x4.0x22.23	CA24Q-BFK	5
		34019878*	178x7.0x22.23	CA24Q-BFK	5
		34060377	230x4.0x22.23	CA24Q-BFK	5
		34019879*	230x7.0x22.23	CA24Q-BFK	5

*With Comfort Start edge

PREMIUM*** ROUGH GRINDING WHEEL 2IN1 FOR STEEL AND STAINLESS STEEL

- + **Enhanced economic efficiency**
High abrasiveness coupled with a significantly longer lifetime.
- + **Less work required**
The destruction of the work-piece as a result of plunging with the tool is prevented, thus avoiding rework.



Rough grinding wheel with and without „Comfort Start“.

- + **Enhanced comfort while working**
With the „Comfort Start“ function, plunging into the workpiece is prevented, thus making the start of the process simpler and more convenient.

TYROLIT Film



The product film can be found on YouTube at www.youtube.com/TYROLITgroup

This rough grinding wheel is particularly suitable for steel and stainless steel applications. Due to its softer design, the PREMIUM*** 2in1 is quick and convenient to use and requires minimal effort. This is made possible

by a new bond with coarser grain and a new layer composition.


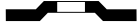
What makes our 2in1 rough grinding wheel so unique is the bevelled and defined edge of the tool. With the

“Comfort Start” edge, the user can achieve a pleasant start to grinding and the level of comfort while working is increased many times over.

PREMIUM* ROUGH GRINDING WHEEL**
2in1 for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU		
		27	5270	75x6.0x9.5	A30Q-BFX	10	
			23875		100x4.0x16	A30Q-BFX	10
			34046119*		100x6.0x16	A24Q-BFX	10
			5287		115x4.0x22.23	A30Q-BFX	10
			34046120*		115x7.0x22.23	A24Q-BFX	10
			5308		125x4.0x22.23	A30Q-BFX	10
			34046131*		125x7.0x22.23	A24Q-BFX	10
			734378		150x4.0x22.23	A30Q-BFX	10
			34046132*		150x7.0x22.23	A24Q-BFX	10

	Shape	Type no.	Dimension	Specification	PU	
		27	5349	178x4.0x22.23	A30Q-BFX	10
		34046133*	178x7.0x22.23	A24Q-BFX	10	
		545254	178x7.0x22.23	A24O-BFX	10	
		34046135*	178x8.0x22.23	A24Q-BFX	10	
		5406	230x4.0x22.23	A30Q-BFX	10	
		34046134*	230x7.0x22.23	A24Q-BFX	10	
		545255	230x7.0x22.23	A24O-BFX	10	
		34046136*	230x8.0x22.23	A24Q-BFX	10	
		545256	230x10.0x22.23	A24O-BFX	10	
		34046137*	230x10.0x22.23	A24Q-BFX	10	

* With Comfort Start edge

PREMIUM★★★ ROUGH GRINDING WHEEL SILENTIO 2IN1 FOR STEEL AND STAINLESS STEEL

+ **Enhanced economic efficiency**
Maximum stock removal rate and a long lifetime for stainless steel applications.

+ **Enhanced work safety**
The sound insulation reduces lasting physical strain.



+ **Universal use**
The PREMIUM*** Silentio rough grinding wheel is equally suitable for surface and edge grinding on steel and stainless steel.



The PREMIUM*** Silentio sets new milestones in terms of noise reduction. With a reduction of 10 decibels, noise perception is minimised by 50%.

This increases the user's level of comfort while working, avoiding lasting physical harm. This rough grinding wheel has been developed

for stainless steel applications and is suitable for use with both steel and stainless steel.

PREMIUM* ROUGH GRINDING WHEEL**
SILENTIO 2in1 for steel and stainless steel





	Shape	Type no.	Dimension	Specification	PU	
		27SI	285439	230x8.0x22.23	A30Q-BFX	10

PREMIUM* ROUGH GRINDING WHEEL**
CONFLEX for steel and stainless steel



With the PREMIUM*** CONFLEX the optimum grinding angle is already preset due to the wheel shape. This makes horizontal machine guiding possible, facilitating the user's work.

Using the optimal angle makes it possible to achieve consistent wear of the tool and an even surface. This rough grinding wheel is particularly suitable for steel and stainless steel applications.


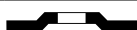
	Shape	Type no.	Dimension	Specification	PU	
		28CON	5267	178x7.0x22.23	A30Q-BFX	10

PREMIUM* ROUGH GRINDING WHEEL**
3in1 for steel, stainless steel and cast iron



With the PREMIUM*** 3in1 rough grinding wheel with zirconium aluminium oxide you can impress on three levels. High performance on steel, stainless steel and cast materials, as well as chemical purity distinguish the product. This tool does not contain iron, sulphur, chlorine and fluorine, and leaves workpiece surfaces in a neutral condition.

The abrasiveness and long lifetime enable high stock removal rates within the shortest possible time. Thanks to its chemical purity; free of iron, sulphur, chlorine and fluorine, the wheel is particularly suited to special application areas such as nuclear power stations.



	Shape	Type no.	Dimension	Specification	PU	
		27	466744	115x7.0x22.23	ZA30Q-BFR	10
			466749	125x7.0x22.23	ZA30Q-BFR	10
			466754	178x7.0x22.23	ZA30Q-BFR	10
			466762	230x7.0x22.23	ZA30Q-BFR	10

PREMIUM* ROUGH GRINDING WHEEL**
For stainless steel



The high-performance rough grinding wheel has been specially designed for stainless steel applications. The PREMIUM*** INOX rough grinding wheel combines a long lifetime and the best cutting ability.

To achieve this a special mixture of regular aluminium oxide and zirconium aluminium oxide is used. This rough grinding wheel is specially designed for stainless steel applications.

	Shape	Type no.	Dimension	Specification	PU	
		27	117058	100x6.0x16	A30R-BFX	10
		117064	115x4.0x22.23	A30R-BFX	10	
		117065	115x7.0x22.23	A30R-BFX	10	
		117068	125x4.0x22.23	A30R-BFX	10	
		117070	125x7.0x22.23	A30R-BFX	10	
		34042874	150x4.0x22.23	A30R-BFX	10	
		34042875	150x7.0x22.23	A30R-BFX	10	
		117071	178x4.0x22.23	A30R-BFX	10	
		117072	178x7.0x22.23	A30R-BFX	10	
		117073	230x4.0x22.23	A30R-BFX	10	
		117074	230x7.0x22.23	A30R-BFX	10	

PREMIUM* ROUGH GRINDING WHEEL**
VIBSTAR FOR STAINLESS STEEL

+ **More even surfaces**
Vibrations from the tool can also impair the surface finish; the PREMIUM VIBSTAR helps to prevent this.

+ **Enhanced work safety**
A significant reduction in the vibrational load prevents occupational illnesses.



+ **Reduced costs**
Vibration damping also increases the lifetime of the machine.



The vibration damping developed and patented by TYROLIT allows professional users to achieve exceptionally gentle grinding. The multi-layer structure and the

permanently attached plastic flange reduce vibrations by up to 50%. The PREMIUM*** VIBSTAR technology helps to prevent occupational illnesses, such as muscular and skeletal

damage, and neurological illnesses and circulatory problems, such as vibration white finger. This rough grinding wheel is specially designed for stainless steel applications.

PREMIUM* ROUGH GRINDING WHEEL**
VIBSTAR for stainless steel



	Shape	Type no.	Dimension	Specification	PU	
		27V	474524	178x7.0x22.23	A30R-BFX	10
			474526	230x7.0x22.23	A30R-BFX	10

PREMIUM*** ROUGH GRINDING WHEEL SILENTIO FOR STAINLESS STEEL

+ **Enhanced economic efficiency**
Maximum stock removal rate and a long lifetime for stainless steel applications.

+ **Enhanced work safety**
The sound insulation reduces lasting physical strain.



+ **Universal use**
The PREMIUM*** Silentio rough grinding wheel is equally suitable for surface and edge grinding on stainless steel.


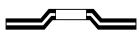
The PREMIUM*** Silentio sets new milestones in terms of noise reduction. With a reduction of 10 decibels, noise perception is minimised by 50%.

This increases the user's level of comfort while working, avoiding lasting physical harm. This rough grinding wheel with

a unique wheel shape has been specially designed for stainless steel applications.

PREMIUM* ROUGH GRINDING WHEEL**
SILENTIO for stainless steel





	Shape	Type no.	Dimension	Specification	PU	
		27SI	515988	178x7.0x22.23	A30R-BFX	10
			515989	230x8.0x22.23	A30R-BFX	10

PREMIUM* ROUGH GRINDING WHEEL**
CONFLEX for stainless steel



With the PREMIUM*** CONFLEX the optimum grinding angle is already preset due to the wheel shape. This makes horizontal machine guiding possible, facilitating the user's work.

Using the optimal angle makes it possible to achieve consistent wear of the tool and an even surface. This rough grinding wheel is specially designed for stainless steel applications.

	Shape	Type no.	Dimension	Specification	PU
		28CON 13616	230x7.0x22.23	A30R-BFX	10



PREMIUM* ROUGH GRINDING WHEEL**
For nonferrous metals



The PREMIUM*** rough grinding wheel developed specifically for non-ferrous metals prevents clogging of the tool in order to reduce loading or dulling. Even at very low pressure, the wheel achieves extremely high abrasiveness.

stock removal rates to be obtained for nonferrous metal applications. These rough grinding wheels are available in the hard N grade for surface and edge grinding, or in the softer cutting L grade for surface grinding.

TYROLIT's formula and production methods enable exceptionally high

	Shape	Type no.	Dimension	Specification	PU	
		27	45919	100x6.0x16	A36N-BFX	10
		5289	115x4.0x22.23	A36N-BFX	10	
		5295	115x7.0x22.23	A36N-BFX	10	
		636789	125x4.0x22.23	A36N-BFX	10	
		5316	125x7.0x22.23	A36N-BFX	10	
		913338	150x4.0x22.23	A36N-BFX	10	
		47763	150x7.0x22.23	A36N-BFX	10	
		5351	178x4.0x22.23	A36N-BFX	10	
		5365	178x7.0x22.23	A36N-BFX	10	
		46586	230x4.0x22.23	A36N-BFX	10	
		5416	230x7.0x22.23	A36N-BFX	10	
		576049	115x7.0x22.23	A36L-BFX	10	
		647549	125x7.0x22.23	A36L-BFX	10	
		576050	178x7.0x22.23	A36L-BFX	10	
		647550	230x7.0x22.23	A36L-BFX	10	

PREMIUM*** ROUGH GRINDING WHEEL T-GRIND FOR STEEL AND CAST IRON

+ High productivity

The combination of a long lifetime and high abrasiveness significantly increases the productivity of this rough grinding wheel.

+ Cost-effective

Due to the above-average lifetime of the T-GRIND, purchase and disposal costs are reduced.



+ Highest demands

Meets the highest demands of powerful pneumatic angle grinders.



The PREMIUM*** T-GRIND has been developed for the high demands exerted when using turbine and vane-type pneumatic grinders. The long

lifetime ensures this rough grinding wheel provides a vast reduction in abrasive waste, making it an environmentally-friendly product.

At the same time, the aggressive stock removal rate ensures more comfort and relief for the user while working.

PREMIUM* ROUGH GRINDING WHEEL**
T-GRIND for steel and cast iron





	Shape	Type no.	Dimension	Specification	PU	
		27	701518	125x7x22.23	ZZA24T-BFK	10
			701439	178x7x22.23	ZZA24T-BFK	10
			701515	230x7x22.23	ZZA24T-BFK	10

PREMIUM* ROUGH GRINDING WHEEL**
FOCUR Extra for cast iron



The PREMIUM*** FOCUR Extra offers maximum stock removal rates coupled with the longest lifetime. Innovative production technology combined with high-quality zirconium aluminium oxide makes this possible. This high-performance tool has been developed for application on all cast materials and can be used for surface grinding, deburring work and rendering.

ZA24N-BFX: particularly for surface grinding, ZA24P-BFX: universal type, ZZA24R-BFX: the deburring specialist and ZZA24S-BFX: for long lifetimes.



Shape	Type no.	Dimension	Specification	PU	
	 27	233756	125x7.0x22.23	ZA24N-BFX	10
		233757	178x4.0x22.23	ZA24N-BFX	10
		233759	178x7.0x22.23	ZA24N-BFX	10
		233760	230x4.0x22.23	ZA24N-BFX	10
		233762	230x7.0x22.23	ZA24N-BFX	10
		233765	125x7.0x22.23	ZA24P-BFX	10
		233768	178x7.0x22.23	ZA24P-BFX	10
		233771	230x7.0x22.23	ZA24P-BFX	10
		233773	125x7.0x22.23	ZZA24R-BFX	10
		233774	178x4.0x22.23	ZZA24R-BFX	10
		233776	178x7.0x22.23	ZZA24R-BFX	10
		233777	230x4.0x22.23	ZZA24R-BFX	10
		233778	230x7.0x22.23	ZZA24R-BFX	10
		929017	178x4.0x22.23	ZZA24S-BFX	10
		929018	178x7.0x22.23	ZZA24S-BFX	10
		929019	230x4.0x22.23	ZZA24S-BFX	10
		929020	230x7.0x22.23	ZZA24S-BFX	10

PREMIUM* ROUGH GRINDING WHEEL**
FOCUR Extra VIBSTAR for cast iron



The vibration damping developed and patented by TYROLIT allows professional users to achieve exceptionally gentle grinding. The multi-layer structure and the permanently attached plastic flange reduce vibrations by up to 50%. The PREMIUM*** VIBSTAR technology helps to prevent occupational illnesses, such as muscular and skeletal damage, and neurological illnesses

and circulatory problems, such as vibration white finger. ZA24N-BFX: particularly for surface grinding, ZA24P-BFX: universal type, ZZA24R-BFX: the deburring specialist and ZZA24S-BFX: for long lifetimes.



Shape	Type no.	Dimension	Specification	PU	
	 27V	474527	178x7.0x22.23	ZA24N-BFX	10
		474532	230x7.0x22.23	ZA24N-BFX	10
		474528	178x7.0x22.23	ZA24P-BFX	10
		474533	230x7.0x22.23	ZA24P-BFX	10

PREMIUM*** ROUGH GRINDING WHEEL
FOCUR Extra VIBSTAR for cast iron



The vibration damping developed and patented by TYROLIT allows professional users to achieve exceptionally gentle grinding. The multi-layer structure and the permanently attached plastic flange reduce vibrations by up to 50%.
The PREMIUM*** VIBSTAR technology helps to prevent occupational

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	Shape	Type no.	Dimension	Specification	PU	
		27V	474529	178x7.0x22.23	ZZA24R-BFX	10
			474534	230x7.0x22.23	ZZA24R-BFX	10
			474531	178x7.0x22.23	ZZA24S-BFX	10
			474535	230x7.0x22.23	ZZA24S-BFX	10

PREMIUM*** ROUGH GRINDING WHEEL
For stone



The abrasive PREMIUM*** rough grinding wheel for stone is quick and convenient to use and requires minimal exertion. It is ideal for soft to hard stone, natural and artificial stone and concrete.

This rough grinding wheel with silicon carbide is specifically for stone and short-chipping materials.



	Shape	Type no.	Dimension	Specification	PU	
		27	5368	178x7x22.23	C30S-BFX	10
			5425	230x7x22.23	C30S-BFX	10

STANDARD** ROUGH GRINDING WHEEL
For steel



The STANDARD** rough grinding wheel is a powerful rough grinding wheel for surface and edge grinding. The tool boasts optimised cutting ability and a long lifetime.

Even with low pressure, the wheel is abrasive and easy to handle.

	Shape	Type no.	Dimension	Specification	PU	
		27	368002	100x6.0x16	A24S-BF	10
			367377	115x6.0x22.23	A24S-BF	10
			367771	125x6.0x22.23	A24S-BF	10
			367772	150x6.0x22.23	A24S-BF	10
			367773	178x6.0x22.23	A24S-BF	10
			367775	230x6.0x22.23	A24S-BF	10

STANDARD ROUGH GRINDING WHEEL**
For stainless steel



The powerful rough grinding wheel has been specially designed for stainless steel applications. The STANDARD** INOX rough grinding wheel combines a long lifetime and the best cutting ability.

This is achieved through the use of regular aluminium oxide. This rough grinding wheel is specially designed for stainless steel applications.

	Shape		Type no.	Dimension	Specification	PU
		27	368014	100x6.0x16	A30R-BFINOX	10
			367545	115x6.0x22.23	A30R-BFINOX	10
			367548	125x6.0x22.23	A30R-BFINOX	10
			367550	150x6.0x22.23	A30R-BFINOX	10
			367551	178x6.0x22.23	A30R-BFINOX	10
			367553	178x8.0x22.23	A30R-BFINOX	10
			367554	230x6.0x22.23	A30R-BFINOX	10
			367556	230x8.0x22.23	A30R-BFINOX	10

STANDARD ROUGH GRINDING WHEEL**
For stone



The abrasive STANDARD** rough grinding wheel for stone is quick and convenient to use and requires minimal exertion. It is ideal for soft to hard stone, natural and artificial stone and concrete.

This rough grinding wheel with silicon carbide is specifically for stone and short-chipping materials.

	Shape		Type no.	Dimension	Specification	PU
		27	368008	100x6.0x16	C30S-BF	10
			367546	115x6.0x22.23	C30S-BF	10
			367549	125x6.0x22.23	C30S-BF	10
			367552	178x6.0x22.23	C30S-BF	10
			367557	230x6.0x22.23	C30S-BF	10

STANDARD ROUGH GRINDING WHEEL**
FOCUR for cast iron



With the STANDARD** FOCUR rough grinding wheel you will obtain a tool that has been optimised in terms of its cutting ability and offers a high level of dimensional stability. Even with low pressure, the tool is abrasive and durable.

This powerful tool has been developed for application on all cast materials and can be used for surface grinding, deburring work and rendering.

	Shape		Type no.	Dimension	Specification	PU
		27	154544	178x7.0x22.23	ZA300-BF	10
			154545	230x7.0x22.23	ZA300-BF	10

BASIC★ ROUGH GRINDING WHEEL
2in1 for steel and stainless steel



This rough grinding wheel is particularly suitable for steel and stainless steel applications due to its softer design. In addition, the BASIC* 2in1 is quick and convenient to use and requires minimal effort.

This tool can be used universally and is equally suitable for surface and edge grinding applications.

	Shape		Type no.	Dimension	Specification	PU
		27	222854	100x6.0x16	A30Q-BF	10
			222858	115x6.0x22.23	A30Q-BF	10
			222860	125x6.0x22.23	A30Q-BF	10
			222861	150x6.0x22.23	A30Q-BF	10
			222863	178x6.0x22.23	A30Q-BF	10
			222868	178x8.0x22.23	A30Q-BF	10
			222865	230x6.0x22.23	A30Q-BF	10
			222870	230x8.0x22.23	A30Q-BF	10

BASIC★ ROUGH GRINDING WHEEL
FASTCUT 2in1 for steel and stainless steel



This rough grinding wheel is particularly suitable for steel and stainless steel applications. Due to its soft design, the BASIC* FASTCUT 2in1 is optimised in its cutting ability in order to achieve high stock removal rates in the shortest possible time.

This tool can be used universally and is equally suitable for surface and edge grinding applications.

	Shape		Type no.	Dimension	Specification	PU
		27	297324	100x6.0x16	A30P-BF	10
			297325	115x6.0x22.23	A30P-BF	10
			297327	125x6.0x22.23	A30P-BF	10
			297329	150x6.0x22.23	A30P-BF	10
			297331	178x6.0x22.23	A30P-BF	10
			297333	230x6.0x22.23	A30P-BF	10

BASIC★ ROUGH GRINDING WHEEL
PIPELINER 2in1 for steel and stainless steel



The Basic* PIPELINER has been developed for V-groove applications. Specifically in pipeline construction, it is necessary to chamfer the pipe ends in order to subsequently weld them together. As they only comprise one grain layer, they provide for even wear on the workpiece.

The PIPELINER is a 2in1 rough grinding wheel and is therefore equally suitable for steel and stainless steel.



	Shape		Type no.	Dimension	Specification	PU
		27	734693	178x7.0x22.23	A30Q-BF PIPE	10

BASIC★ ROUGH GRINDING WHEEL
For stone



The abrasive BASIC* rough grinding wheel for stone is quick and convenient to use and requires minimal exertion. It is ideal for soft to hard stone, natural and artificial stone and concrete.

This rough grinding wheel with silicon carbide is specifically for stone and short-chipping materials.


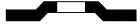
	Shape		Type no.	Dimension	Specification	PU
		27	222872	100x6.0x16	C30S-BF	10
			222873	115x6.0x22.23	C30S-BF	10
			222889	125x6.0x22.23	C30S-BF	10
			222892	150x6.0x22.23	C30S-BF	10
			222043	178x6.0x22.23	C30S-BF	10
			222898	230x6.0x22.23	C30S-BF	10

BASIC★ ROUGH GRINDING WHEEL
For cast iron



With the BASIC* rough grinding wheel for cast iron you will obtain a tool that has been specially designed for rendering and offers a high level of dimensional stability. Even with low pressure, the tool is easy cutting and durable.

This tool has been developed for application on all cast materials and is particularly suitable for smoothing cast materials.



	Shape		Type no.	Dimension	Specification	PU
		27	567352	178x8.0x22.23	AC30N-BF	10
			567353	230x8.0x22.23	AC30N-BF	10

BASIC★ GRINDING WHEEL
TOUCH for stainless steel and nonferrous metals



The semi-flexible BASIC* TOUCH combines the advantages of various products in one tool. The "waffle" structure enables cool grinding with good chip transport. In addition, the risk of material discolouration is reduced. The unique structure and low weight of the TOUCH suppresses vibrations, ensuring quiet operation and sound reduction.

The wheel also facilitates ideal adaptation to workpieces for grinding, deburring and shaping work. It is also possible to cut nonferrous metals.

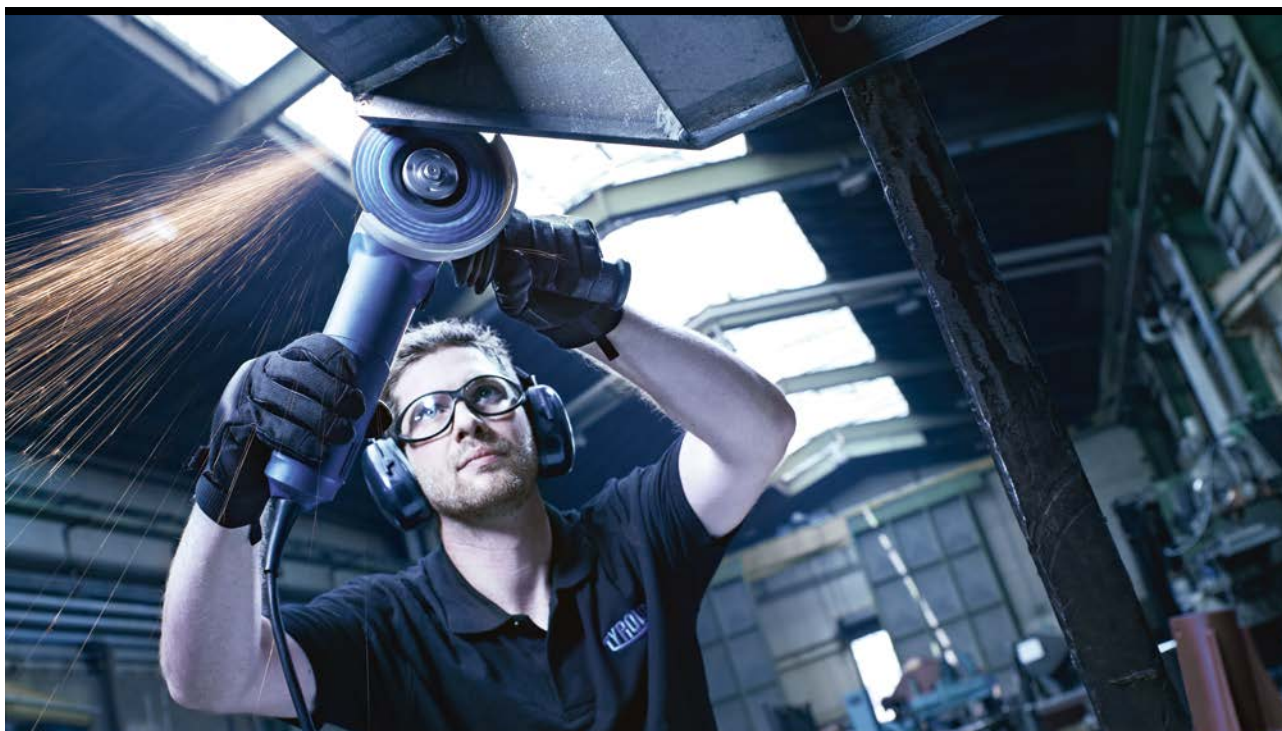
	Shape		Type no.	Dimension	Specification	PU
		29T	236317	100x16	WA46R-BF	25
			236318	115x22.23	WA46R-BF	25
			236319	125x22.23	WA46R-BF	25
			236320	178x22.23	WA46R-BF	25



TYROLIT



2.2 RONDELLER®
FOR ANGLE GRINDERS



RONDELLER® FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the handicraft and industrial sectors for machining all types of metals. TYROLIT has developed a special tool for use on an angle grinder that combines the product advantages of different grinding tools. It is not necessary to use any special accessories with the Rondeller®, so simple handling is guaranteed.

Its unique geometry and stud pattern enable outstanding stock removal, cool, material-protecting grinding and ergonomic working. Vibration-free




working and perfect adaptation to the workpiece is guaranteed when grinding, deburring and shaping curved surfaces.

Shapes



29 RON
Rondeller®

Application recommendation

Performance Level	Specification	Pages			
PREMIUM ★★★	A...Q-BF	87	●		
	C...S-BF	88		●	●

Items with grey lettering are only available on request.

PREMIUM*** RONDELLER®

2IN1 FOR STEEL AND STAINLESS STEEL

+ **High level of comfort while working**
 These tools make vibration-free, ergonomic use possible and protect both user and machine.

+ **Universal use**
 Ideal for use on steel and stainless steel, as well as for all grinding, deburring and shaping applications on curved surfaces.



+ **Simple handling**
 Easy assembly - no need to use special accessories, such as back up pads and clamping nuts.

The TYROLIT PREMIUM*** RONDELLER® combines the product advantages of different grinding tools with the easiest handling. The unique geometry of the Rondeller® enables

cool, ergonomic grinding that is kind to materials.


Absolutely vibration-free use and optimal adaptation to the workpiece for

all grinding, deburring and shaping applications means that curved surfaces can be perfectly machined.

PREMIUM*** RONDELLER®

2in1 for steel and stainless steel



Shape	Type no.	Dimension	Specification	PU	
	29RON	57004	115x22.23	A24Q-BF	25
	908225	115x22.23	A36Q-BF	25	
	908226	115x22.23	A60Q-BF	25	
	57005	125x22.23	A24Q-BF	25	
	908227	125x22.23	A36Q-BF	25	
	908229	125x22.23	A60Q-BF	25	
	33199	125x22.23	A80Q-BF	25	
	170599	150x22.23	A36Q-BF	25	
	57006	178x22.23	A24Q-BF	25	
	908230	178x22.23	A36Q-BF	25	
	908231	178x22.23	A60Q-BF	25	

PREMIUM* RONDELLER®**
For stone



The TYROLIT PREMIUM*** RONDELLER® combines the product advantages of different grinding tools with the easiest handling. The unique geometry and stud pattern of the RONDELLER® enables ergonomic grinding that protects materials. Absolutely vibration-free use and optimal adaptation to the workpiece for all grinding jobs means that curved surfaces can be perfectly machined.

	Shape	Type no.	Dimension	Specification	PU	
		29RON	908233	115x22.23	C36S-BF	25
			948218	115x22.23	C60S-BF	25
			908220	178x22.23	C36S-BF	25
			908221	178x22.23	C60S-BF	25
			908223	178x22.23	C100S-BF	25
			908224	178x22.23	C180S-BF	25



2.3 CUP WHEELS FOR ANGLE GRINDERS



CUP WHEELS FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the handicraft and industrial sectors for machining all types of metals. The use of cup wheels is recommended when grinding large and heavy components in particular, as they are exceptionally robust and durable.

It is particularly important to ensure that cup wheels are only used on angle grinders for 178 mm diameters. Smaller machines rotate too quickly, while larger ones rotate too slowly. In addition, a special protection cover is required to ensure sufficient levels of working safety.

With cup wheels from TYROLIT you can achieve high stock removal rates and long lifetime. The composition of the cup wheels makes them suitable for large-area machining of welding seams or for grinding imperfections on concrete surfaces. TYROLIT cup wheels can not only be used for metal






machining, but also on marble, slate and granite.

Uniform colour coding helps you to find the appropriate product for your application.

Shapes



Application recommendation

Performance Level	Specification	Pages			
			Steel	Stainless steel	Stone
PREMIUM***	A... B84	92	•		
	A... B2	92		•	
	1C... B0	92, 93			•
	1C... B2	92, 93			•
					
Performance Level	Specification	Pages	Steel	Stone	
STANDARD**	A... B	93	•		
	C... B	93			•

Items with grey lettering are only available on request.

PREMIUM* RESIN CUP WHEEL**

For steel



Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas. The PREMIUM*** cup wheel for steel is ideal for edge grinding, bevelling and grinding welding seams.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		11BT	310183	110/90x55x22.23	A16P4B84	2	8,680
			311096	110/90x55x22.23	A36O4B84	2	8,680
		351386	130/90x55x22.23	A16P4B84	2	7,340	
		310997	130/90x55x22.23	A36O4B84	2	7,340	
		11ZB	321395	110/90x55xM14	A16P4B84	2	8,680
			310184	110/90x55xM14	A36O4B84	2	8,680
			377664	130/90x55xM14	A36O4B84	2	7,340
		11ZT	241413	102/76x51x5/8"	A16P4B84	2	9,360
			23525	152/120x51x5/8"	A16P4B84	2	6,280

PREMIUM* RESIN CUP WHEEL**

For Inox



Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas. The PREMIUM*** cup wheel specially designed for stainless steel is also ideal for edge grinding, bevelling and grinding welding seams.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		11ZT	23509	127/94x51x5/8"	A20M4B2	2	7,510
			275634	152/120x51x5/8"	A20M4B2	2	6,280

PREMIUM* RESIN CUP WHEEL**




For stone



Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas. The stone cup wheel is particularly suitable for pre-grinding imperfections on concrete surfaces, bevelling and pre-grinding artificial stone and patio slabs, surface grinding on marble, slate and granite.

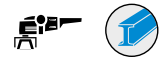
There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		11BT	310980	110/90x55x22.23	1C16L4B2	2	8,680
			318070	110/90x55x22.23	1C24L4B2	2	8,680
			342583	110/90x55x22.23	1C46K4B2	2	8,680
			314463	110/90x55x22.23	1C60J4B2	2	8,680
			317307	110/90x55x22.23	1C120J4B0	2	8,680

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		6ZB	89383	100x45xM14	1C24L4B2	2	9,540
			83585	100x45xM14	1C60J4B2	2	9,540
			56895	100x45xM14	1C120J4B2	2	9,540
			553403	100x45xM14	1C220J4B0	2	9,540
		11ZB	310992	110/90x55xM14	1C16L4B2	2	8,680
			310993	110/90x55xM14	1C24L4B2	2	8,680
			321211	110/90x55xM14	1C60J4B2	2	8,680
			320074	110/90x55xM14	1C120J4B0	2	8,680
			326214	110/90x55xM14	1C220J4B0	2	8,680
			310994	130/90x55xM14	1C16L4B2	2	7,340
			310995	130/90x55xM14	1C24L4B2	2	7,340
			320075	130/90x55xM14	1C60J4B2	2	7,340
			424846	130/90x55xM14	1C120J4B0	2	7,340
			336499	130/90x55xM14	1C220J4B0	2	7,340



STANDARD RESIN CUP WHEEL**

For steel



Cup wheels achieve excellent stock removal rates and lifetime for grinding jobs on large areas. The STANDARD** cup wheel for steel is ideal for edge grinding, bevelling and grinding welding seams.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		11BT	895678	110/90x55x22.23	A16P-B	2	8,680
			895669	110/90x55x22.23	A36P-B	2	8,680

STANDARD RESIN CUP WHEEL**




For stone



Cup wheels achieve excellent stock removal rates and lifetime for grinding jobs on large areas. The stone cup wheel is particularly suitable for pre-grinding imperfections on concrete surfaces, bevelling and pre-grinding artificial stone and patio slabs, surface grinding on marble, slate

and granite.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s

	Shape	Type no.	Dimension	Specification	PU	Max. speed	
		11BT	895679	110/90x55x22.23	C16J-B	2	8,680
			895670	110/90x55x22.23	C36J-B	2	8,680
			895671	110/90x55x22.23	C60J-B	2	8,680
		11ZB	895676	110/90x55xM14	C16J-B	2	8,680
			895677	110/90x55xM14	C60J-B	2	8,680





2.4 GRINDING WHEELS FOR STRAIGHT GRINDERS



GRINDING WHEELS FOR STRAIGHT GRINDERS

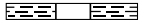
Straight grinders are always in high demand when precise results are required on difficult-to-access areas. Their versatile application options make them a popular tool. In order to fulfil the high standards TYROLIT sets for itself, great importance was attached to the low-vibration grinding properties of the products during their design.

The range easily meets the general demands of economic efficiency, high stock removal rates, simple handling and above-average lifetimes.

All TYROLIT rough grinding wheels are manufactured and tested in accord-

ance with EN12413. Uniform colour coding helps you to find the appropriate product for your application.

Shapes



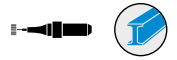
1F80
Rough grinding wheel

Application recommendation



Performance Level	Specification	Pages	Steel	Stainless steel	NF metals	Cast iron
PREMIUM ★★★	A30R-BFX80	98		●		
	A30S-BFX80	98	●			
	A36N-BFX80	99			●	
	ZA24P-BFX80	99				●

Items with grey lettering are only available on request.

PREMIUM* GRINDING WHEELS****1F80 for steel**

The PREMIUM*** 1F80 high-performance rough grinding wheel is particularly suitable for universal grinding tasks on hard-to-reach areas. Using the wheel, flutes and notches can be added, and gears can be deburred. In addition, the wheel makes light work of maintaining turbine blades, and

rough grinding curved surfaces in cavities and ridges. For diameters above 80 mm, we recommend using a protection cover.

	Shape	Type no.	Dimension	Specification	PU	
		1F80	439061	50x6.0x6	A30S-BFX80	100
		441231	50x10.0x6	A30S-BFX80	100	
		441207	50x10.0x10	A30S-BFX80	100	
		441226	60x6.0x10	A30S-BFX80	100	
		441219	60x10.0x10	A30S-BFX80	100	
		441233	70x10.0x10	A30S-BFX80	100	
		441223	75x6.0x10	A30S-BFX80	100	
		441227	75x25.0x13	A30S-BFX80	100	
		441238	100x6.0x8	A30S-BFX80	25	
		441239	175x25.0x16	A30S-BFX80	20	

PREMIUM* GRINDING WHEELS****1F80 for stainless steel**

The PREMIUM*** 1F80 high-performance rough grinding wheel is particularly suitable for universal grinding tasks on hard-to-reach areas. Using the wheel, flutes and notches can be added, and gears can be deburred. In addition, the wheel makes light work of maintaining turbine blades, and

rough grinding curved surfaces in cavities and ridges. For diameters above 80 mm, we recommend using a protection cover.

	Shape	Type no.	Dimension	Specification	PU	
		1F80	439059	50x6.0x6	A30R-BFX80	100
		441206	50x10x10	A30R-BFX80	100	
		441245	50x19.0x10	A30R-BFX80	100	
		441243	75x4.0x10	A30R-BFX80	100	
		441224	75x15.0x10	A30R-BFX80	100	
		441203	100x25.0x25	A30R-BFX80	25	
		441204	125x25.0x25	A30R-BFX80	20	
		441241	150x25.0x25	A30R-BFX80	20	

PREMIUM* GRINDING WHEELS****1F80 for nonferrous metals**

The PREMIUM*** 1F80 high-performance rough grinding wheel is particularly suitable for universal grinding tasks on hard-to-reach areas. This product has been specially developed for nonferrous metals and is ideal for adding flutes and notches, as well as deburring gears. In addition, the wheel makes light work of maintaining turbine blades, and

rough grinding curved surfaces in cavities and ridges. For diameters above 80 mm, we recommend using a protection cover.

	Shape	Type no.	Dimension	Specification	PU	
		1F80	441247	50x10.0x10	A36N-BFX80	100
		441248	75x6.0x10	A36N-BFX80	100	
		441246	75x25.0x20	A36N-BFX80	100	
		441230	100x12.0x22.2	A36N-BFX80	25	
		441250	100x20.0x20	A36N-BFX80	25	

PREMIUM* GRINDING WHEELS****1F80 for cast iron**

The PREMIUM*** 1F80 high-performance rough grinding wheel is particularly suitable for universal grinding tasks on hard-to-reach areas. This product has been specially developed for cast iron and is ideal for adding flutes and notches.

In addition, the wheel makes light work of rough grinding curved surfaces in cavities and ridges. For diameters above 80 mm, we recommend using a protection cover.

	Shape	Type no.	Dimension	Specification	PU	
		1F80	441353	150x25.0x25	ZA24P-BFX80	20

ACCESSORIES**For 1F80 rough grinding wheels**

These accessories are suitable for clamping all rough grinding wheels available in the TYROLIT assortment for straight grinders. Please observe the maximum permissible speed.

	Type no.	Dimension	Specification	PU	
	100SS	803404	S6/H10/M10	SS171	1
	846441	S10/H10/M10	SS173	1	
	846442	S6/H6/M6	SS174	1	





2.5 MOUNTED POINTS FOR STRAIGHT GRINDERS



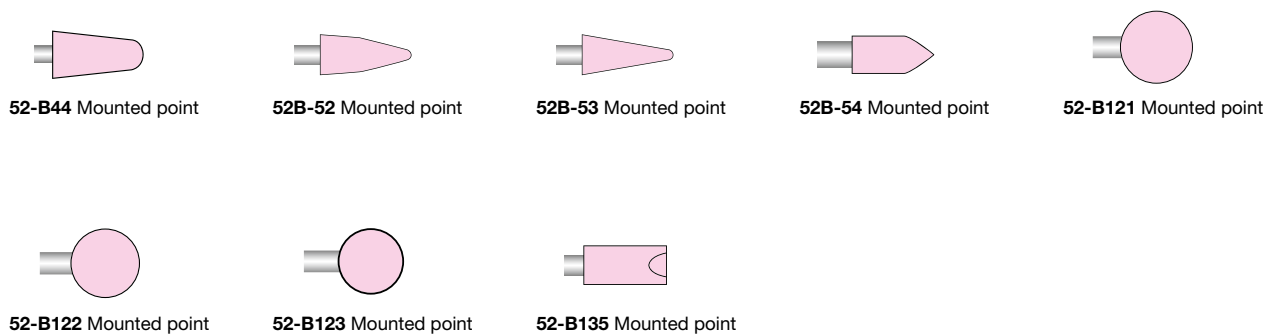
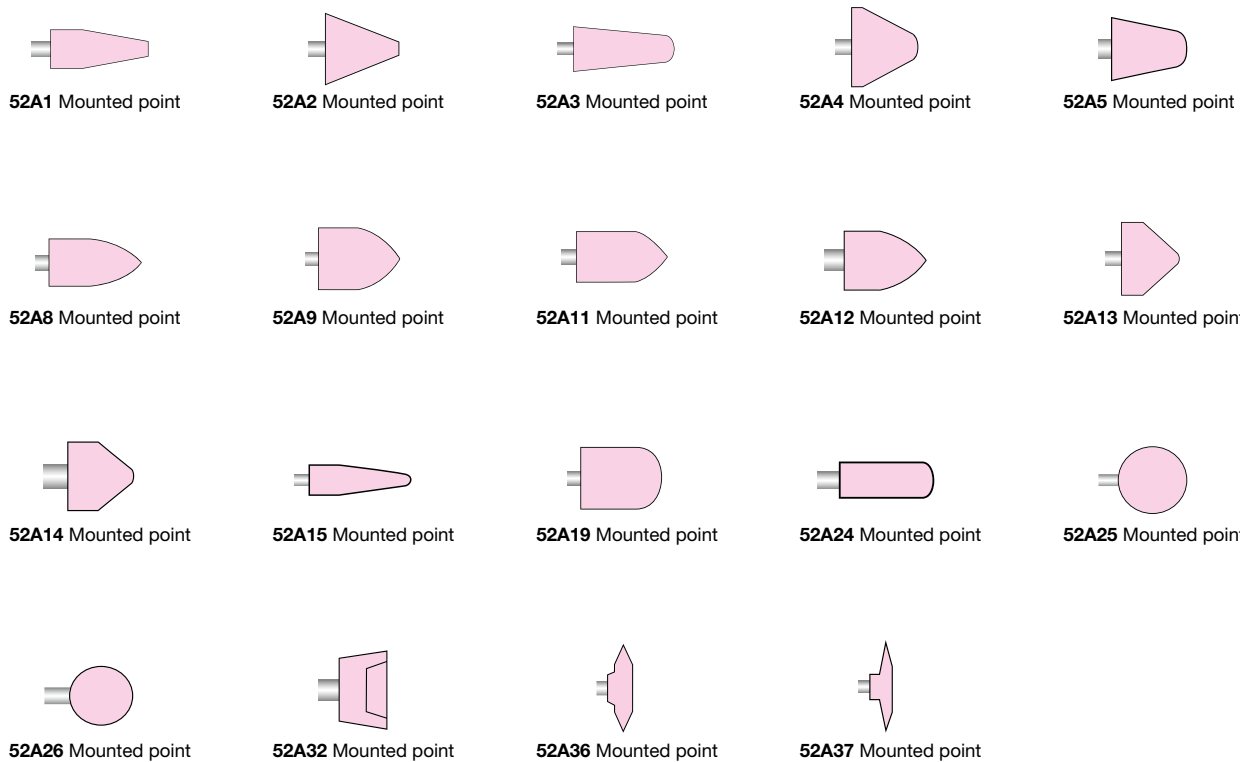
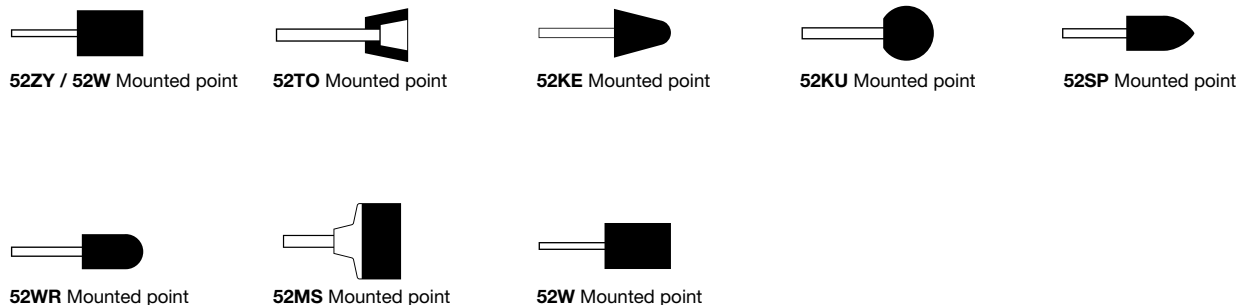
MOUNTED POINTS FOR STRAIGHT GRINDERS

Straight grinders are always in high demand when precise results are required on difficult-to-access areas. Their versatile application options make straight grinders a popular tool. In order that there is always a solution at hand for the numerous applications, TYROLIT offers a wide range of mounted point shapes.

Our resin-bonded points offer you vibration-reducing solutions for the highest quality requirements. The wide range of applications also requires ceramic points that strike a perfect balance in terms of chip per-

formance, surface finish and lifetime. Ceramic points are often used in foundries and in mould making. For fine machining, our range also includes elastic and polishing points tailored to your needs.

Shapes



Application recommendation

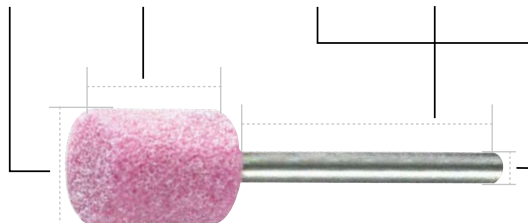


Performance Level	Specification	Pages	Steel	Stainless steel	NF metals	Cast iron	HSS	PVC
PREMIUM***	Resin points	105, 106						
	... B0	105		•				
	... B84	105, 106				•		
	Ceramic points	106, 107, 108, 109, 110, 111						
	88A ...	106, 107, 108, 109, 110		•				
	89A ...	110, 111					•	
	Elastic mounted points	112						
	... BE13	112		•	•	•		•
	... BE15	112		•	•	•		•
	... BE16	112		•	•	•		•
	... BE24	112		•	•	•		•

Items with grey lettering are only available on request.

Mounted point dimensions

16 x 20 – 6 x 40



PREMIUM* RESIN BONDED MOUNTED POINTS**

For stainless steel



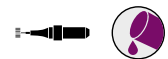
The PREMIUM*** resin mounted points have a vibration reducing effect due to their composition and therefore boast low impact sensitivity. Due to their special quality, these points are best suited to deburring, bevelling and edge breaking on stainless steel.

Due to their bond, they are specially suited to INOX materials. Maximum operating speed: 50 m/s

	Shape	Type no.	Dimension	Specification	PU
		52ZY			
		682101	8x16-6x40	A36Q4B0	25
		682103	10x20-6x40	A36Q4B0	25
		34053928	10x32-6x40	A36Q4B0	25
		682104	13x25-6x40	A36Q4B0	25
		682105	16x32-6x40	A36Q4B0	25
		682106	20x32-6x40	A36Q4B0	25
		682107	20x40-6x40	A36Q4B0	25
		34053929	25x13-6x40	A36Q4B0	25
		682110	25x32-6x40	A36Q4B0	25
		34053930	32x16-6x40	A36Q4B0	25
		104962	32x40-6x40	A36Q4B0	25
		104968	40x10-6x40	A36Q4B0	25
		682111	40x20-6x40	A36Q4B0	25
		34053942	50x13-6x40	A36Q4B0	25
682112	50x25-6x40	A36Q4B0	25		

PREMIUM* RESIN BONDED MOUNTED POINTS**

For cast iron



The PREMIUM*** resin mounted points (dark brown) have a vibration reducing effect due to their composition and therefore boast low impact sensitivity. Due to their special quality, these points are best suited to deburring, bevelling and edge breaking on cast iron materials.

Due to their bond, they are specially suited to casting. Maximum operating speed: 50 m/s

	Shape	Type no.	Dimension	Specification	PU
		52ZY			
		108261	10x25-6x40	A36Q4B84	25
		2111	13x25-6x40	A36Q4B84	25
		108262	15x25-6x40	A36Q4B84	25
		104604	16x32-6x40	A36Q4B84	25
		105367	20x25-6x40	A36Q4B84	25
		2211	25x32-6x40	A36Q4B84	25
		379653	32x25-6x40	A46S4B84	25
		2249	32x40-6x40	A36Q4B84	25
		415841	40x4-6x40	A60S3B84	25
		45362	40x16-8x50	A24Q4B84	25
		2258	40x20-6x40	A36Q4B84	25





PREMIUM* RESIN BONDED MOUNTED POINTS**

For cast iron



The PREMIUM*** resin mounted points (dark brown) have a vibration reducing effect due to their composition and therefore boast low impact sensitivity. Due to their special quality, these points are best suited to deburring, bevelling and edge breaking on cast iron materials.

Due to their bond, they are specially suited to casting. Maximum operating speed: 50 m/s

Shape	Type no.	Dimension	Specification	PU	
	52ZY	123696	40x25-6x40	A36Q4B84	25
		2284	50x25-6x40	A36Q4B84	25
	52W	21094	10x32-6x40	A46S4B84	25
		21125	13x40-6x40	A46S4B84	25
		21137	16x25-6x40	A46S4B84	25
		310504	16x50-6x40	A46S4B84	25
		21160	20x25-6x40	A46S4B84	25
		21166	20x40-6x40	A46S4B84	25
		21192	25x25-6x40	A46S4B84	25
		21202	25x40-6x40	A46S4B84	25
		169543	32x20-6x40	A46P4B84	25
		123644	32x32-6x40	A46P4B84	25
		21232	32x64-8x40	A20Q4B84	25
		21233	40x6-6x40	A46S4B84	25
21239	40x13-6x40	A46S4B84	25		
	52A-1	803833	20x63-6x40	A46P4B84	25
	52A-11	126460	22x50-6x40	A46P4B84	25
		20026	22x50-6x40	A46S4B84	25
	52A-3	129260	25x70-6x40	A46P4B84	25


PREMIUM* CERAMIC POINTS**


For steel




In foundries and mould making, using ceramic mounted points is often the only method of achieving improved surface results on hard-to-reach parts. TYROLIT PREMIUM*** mounted points offer the highest possible lifetime even for hardened steels.

These tools also strike a perfect balance in terms of chip performance and the intended surface finish. Maximum operating speed: 50 m/s

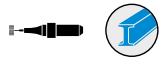
Shape	Type no.	Dimension	Specification	PU	
	52ZY	2010	3x6-3x30	88A90O5V38	25
		100757	3x6-6x40	88A90O5V38	25
		169096	3x9-3x30	88A90O5V38	25
		2017	4x8-3x30	88A90O5V38	25
		100758	4x8-6x40	88A60P5V38	25
		2021	4x8-6x40	88A90O5V38	25
		2026	5x10-3x30	88A60P5V38	25



Shape	Type no.	Dimension	Specification	PU
 52ZY	2027	5x10-3x30	88A90O5V38	25
	2031	5x10-6x40	88A60P5V38	25
	11362	6x10-3x30	88A60P5V38	25
	2039	6x10-6x40	88A60P5V38	25
	2046	6x13-3x30	88A60P5V38	25
	485338	6x13-3x30	88A90O5V38	25
	2048	6x13-6x40	88A60P5V38	25
	227450	6x20-3x30	88A60P5V38	25
	116725	6x20-6x40	88A60P5V38	25
	2055	8x10-3x30	88A60P5V38	25
	2058	8x10-6x40	88A60P5V38	25
	2060	8x16-3x30	88A60P5V38	25
	2062	8x16-6x40	88A60P5V38	25
	16044	10x2-3x30	88A90O5V38	25
	120033	10x10-3x30	88A60P5V38	25
	6879	10x10-6x40	88A60P5V38	25
	88905	10x13-3x30	88A60P5V38	25
	2072	10x13-6x40	88A60P5V38	25
	2078	10x20-3x30	88A60P5V38	25
	2081	10x20-6x40	88A60P5V38	25
	14364	10x25-6x40	88A60P5V38	25
	2090	10x32-6x40	88A60P5V38	25
	26567	13x3-3x30	88A90O5V38	25
	128618	13x10-6x40	88A60P5V38	25
	6896	13x16-6x40	88A60P5V38	25
	6898	13x20-6x40	88A60P5V38	25
	6899	13x25-6x40	88A60P5V38	25
	112542	13x40-6x40	88A60P5V38	25
	2117	16x4-6x40	88A60P5V38	25
	6920	16x20-6x40	88A60P5V38	25
	2125	16x25-6x40	88A60P5V38	25
	2133	16x32-6x40	88A36P5V38	25
	2134	16x32-6x40	88A60P5V38	25
	6928	16x50-6x40	88A60P5V38	25
	127347	20x6-6x40	88A60P5V38	25
2145	20x10-6x40	88A60P5V38	25	
2148	20x20-6x40	88A60P5V38	25	
140351	20x25-6x40	88A24P5V38	25	
2163	20x25-6x40	88A36P5V38	25	
6932	20x25-6x40	88A46P5V38	25	
2165	20x25-6x40	88A60P5V38	25	

PREMIUM* CERAMIC POINTS**


For steel






























In foundries and mould making, using ceramic mounted points is often the only method of achieving improved surface results on hard-to-reach parts. TYROLIT PREMIUM*** mounted points offer the highest possible lifetime even for hardened steels.

These tools also strike a perfect balance in terms of chip performance and the intended surface finish. Maximum operating speed: 50 m/s

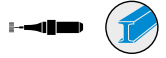
	Shape	Type no.	Dimension	Specification	PU
	52ZY	105009	20x32-6x40	88A60P5V38	25
		667629	20x40-6x40	88A24P5V38	25
		12836	20x40-6x40	88A36P5V38	25
		2189	20x40-6x40	88A60P5V38	25
		6941	25x6-6x40	88A60P5V38	25
		122868	25x10-6x40	88A60P5V38	25
		6943	25x13-6x40	88A60P5V38	25
		130009	25x25-6x40	88A36P5V38	25
		2201	25x25-6x40	88A46P5V38	25
		2202	25x25-6x40	88A60P5V38	25
		142682	25x32-6x40	88A24P5V38	25
		2209	25x32-6x40	88A46P5V38	25
		2204	25x32-6x40	88A60P5V38	25
		548169	25x40-6x40	88A36P5V38	25
		2238	32x8-6x40	88A60P5V38	25
		131231	32x10-6x40	88A60P5V38	25
		6959	32x16-6x40	88A46P5V38	25
		6961	32x20-6x40	88A46P5V38	25
		242270	32x20-6x40	88A60P5V38	25
		116973	32x32-6x40	88A36P5V38	25
		103394	32x32-6x40	88A46P5V38	25
		2248	32x40-6x40	88A46P5V38	25
		101508	40x6-6x40	88A60P5V38	25
		667632	40x10-6x40	88A24P5V38	25
		2256	40x10-6x40	88A60P5V38	25
		941497	40x13-6x40	88A30P5V38	25
		734828	40x13-6x40	88A36P5V38	25
		273756	40x20-6x40	88A24P5V38	25
		6967	40x20-6x40	88A46P5V38	25
		15383	40x20-6x40	88A60P5V38	25
		150085	40x25-6x40	88A46P5V38	25
		828192	40x40-6x40	88A36P5V38	25
2276	50x13-6x40	88A60P5V38	25		
6974	50x25-6x40	88A46P5V38	25		



Shape	Type no.	Dimension	Specification	PU	
	52A-24	128	6x20-6x40	88A60P5V38	25
	52A-15	97785	6x27-6x40	88A60P5V38	25
		89504	6x27-6x40	88A90O5V38	25
	52A-26	130	16-6x40	88A60P5V38	25
	52A-14	45422	18x22-6x40	88A60P5V38	25
	52A-12	121	18x32-6x40	88A46P5V38	25
		20037	18x32-6x40	88A60P5V38	25
	52A-5	11481	20x29-6x40	88A36P5V38	25
		116	20x29-6x40	88A46P5V38	25
		20023	20x29-6x40	88A60P5V38	25
	52A-8	146601	20x51-6x40	88A36P5V38	25
	52A-1	106372	20x63-6x40	88A36P5V38	25
		108	20x63-6x40	88A46P5V38	25
		109	20x63-6x40	88A60P5V38	25
	52A-11	148517	22x50-6x40	88A36P5V38	25
		118	22x50-6x40	88A46P5V38	25
		20031	22x50-6x40	88A60P5V38	25
	52A-25	20047	25-6x40	88A60P5V38	25
	52A-32	131	25x16-6x40	88A60P5V38	25
	52A-2	88504	25x32-6x40	88A46P5V38	25
	52A-3	11480	25x70-6x40	88A36P5V38	25
		6207	25x70-6x40	88A46P5V38	25
		104894	25x70-6x40	88A60P5V38	25
	52A-37	139	32x6-6x40	88A60P5V38	25
	52A-4	113	32x32-6x40	88A46P5V38	25
		20020	32x32-6x40	88A60P5V38	25
	52A-13	45421	32x32-6x40	88A60P5V38	25
	52A-9	127775	32x51-6x40	88A36P5V38	25
	52A-19	135853	32x51-6x40	88A36P5V38	25
	52A-36	138	40x10-6x40	88A60P5V38	25
	52B-44	169	6x10-3x30	88A60P5V38	25
	52B-54	132438	6x13-3x30	88A60P5V38	25
	52B-135	151928	6x13-3x30	88A60P5V38	25
	52B-53	39128	8x16-3x30	88A90O5V38	25
	52B-122	191	10-3x30	88A60P5V38	25
	52B-121	62694	13-6x40	88A60P5V38	25
	52B-52	174	10x20-3x30	88A60P5V38	25
		75647	10x20-6x40	88A60P5V38	25
	52B-121	190	13-3x30	88A60P5V38	25

PREMIUM* CERAMIC POINTS**

For steel



In foundries and mould making, using ceramic mounted points is often the only method of achieving improved surface results on hard-to-reach parts. TYROLIT PREMIUM*** mounted points offer the highest possible lifetime even for hardened steels.

These tools also strike a perfect balance in terms of chip performance and the intended surface finish. Maximum operating speed: 50 m/s

	Shape	Type no.	Dimension	Specification	PU	
		52KE	6400	13x13-6x40, R=2	88A60P5V38	25
		6401	6401	16x16-6x40, R=2.5	88A60P5V38	25
		6402	6402	20x20-6x40, R=3	88A60P5V38	25
		330772	330772	20x32-6x40, R=3	88A60P5V38	25
		892	892	25x25-6x40, R=4	88A60P5V38	25
		441033	441033	30x40-6x40, R=5	89A60M5V38	25
		52TO	1175	32x25-6x40	88A60P5V38	25
		52SP	1119	5x10-6x40	88A60P5V38	25
		6660	6660	13x20-6x40, R=22	88A60P5V38	25
		6661	6661	20x32-6x40, R=36	88A60P5V38	25
		52KU	907	3-3x30	88A90O5V38	25
		6404	6404	5-3x30	88A90O5V38	25
		910	910	8-3x30	88A60P5V38	25
		6405	6405	8-6x30	88A60P5V38	25
		917	917	20-6x40	88A60P5V38	25
		921	921	32-6x40	88A46P5V38	25
		1999	1999	6x16-6x40	88A60P5V38	25

PREMIUM* CERAMIC POINTS**



For HSS



Tool steels display exceptional hardness and strength depending on their intended purpose. The PREMIUM*** mounted points for HSS offer the best prerequisites for machining workpieces up to the lowest tolerance ranges.

These tools also strike a perfect balance in terms of chip performance and the intended surface finish. Maximum operating speed: 35 m/s

	Shape	Type no.	Dimension	Specification	PU	
		52ZY	2011	3x6-3x30	89A120M5V38	25
		2020	2020	4x8-3x30	89A120M5V38	25
		2030	2030	5x10-3x30	89A80M5V38	25
		29238	29238	6x13-3x30	89A80M5V38	25
		13529	13529	6x13-6x40	89A80M5V38	25

	Shape	Type no.	Dimension	Specification	PU	
		52ZY	2057	8x10-3x30	89A80M5V38	25
		6874	8x10-6x40	89A80M5V38	25	
		113299	8x16-3x30	89A80M5V38	25	
		120093	8x16-6x40	89A60M5V38	25	
		6881	10x13-6x40	89A80M5V38	25	
		15892	10x20-6x40	89A60M5V38	25	
		6886	10x20-6x40	89A80M5V38	25	
		6910	15x40-6x40	89A46L5V38	25	
		36663	16x20-6x40	89A60M5V38	25	
		121385	20x25-6x40	89A60M5V38	25	
		2180	20x40-6x40	89A46L5V38	25	
		124549	40x10-6x40	89A60M5V38	25	

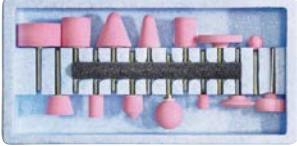
PREMIUM* SET CERAMIC POINTS**

For Steel



The PREMIUM*** ceramic mounted point set contains all the common mounted points for working on steel, including a roughing stone. The points provide the longest possible lifetime for deburring, bevelling and edging work.

These tools also strike a perfect balance in terms of chip performance and the intended surface finish.

SET	Type no.	Shape	Type no.	Dimension	PU
	74499	52ZY-W228	6961	32x20-6x40	1
		52ZY-W220	2201	25x25-6x40	1
		52A-4	113	32x32-6x40	1
		52A-5	20023	20x29-6x40	1
		52ZY-W205	2165	20x25-6x40	1
		52ZY-W236	101508	40x6-6x40	1
		52B-121	62694	13x6-6x40	1
		52A-32	131	25x16-6x40	1
		52ZY-W186	6898	13x20-6x40	1
		52A-14	45422	18x22-6x40	1
		52A-25	20047	25x6-6x40	1
		52ZY-W176	2072	10x13-6x40	1
		52A-37	139	32x6-6x40	1
		52ZY-W217	122868	25x10-6x40	1
		9011	54222	16x150-6x40	1



PREMIUM*** MOUNTED POINTS

ELASTIC for nonferrous metals, PVC, steel and stainless steel



Coordinated light grey bond systems enable the ELASTIC mounted points to be put to both universal use and use tailored to the application. The assortment includes soft elastic points for curved surfaces and medium elastic points for straight surfaces.

Our range also includes fewer elastic points for working at higher speeds and mottling points for mottling surfaces. Maximum operating speed: BE13: 16 m/s; BE15: 20 m/s; BE16: 32 m/s.

Shape	Type no.	Dimension	Specification	PU	
	52ZY	938999	10x20-6x40	C240-BE16	10
		891126	16x20-6x40	C150-BE16	10
		54072	16x30-6x40	C80-BE16	10
		582369	20x20-6x40	C46-BE16	10
		6884	10x20-6x40	C240-BE15	10
		267341	10x20-6x40	C240-BE24	10
		6915	16x20-6x40	C150-BE15	10
		21273	16x30-6x40	C80-BE15	10
		274654	16x30-6x40	C80-BE24	10
		2155	20x20-6x40	C150-BE15	10
		2152	20x20-6x40	C46-BE15	10
		6949	25x20-6x40	C80-BE15	10
		2224	30x30-6x40	C150-BE15	10
		2226	30x30-6x40	C240-BE15	10
		2221	30x30-6x40	C46-BE15	10
		162390	30x30-6x40	C46-BE24	10
		2222	30x30-6x40	C80-BE15	10
	13068	30x30-6x40	C80-BE24	10	
	123432	20x30-6x40	A150-BE24	10	
	52MS	6411	30x30-6x40	C46-BE13	1
		923	30x30-6x40	C46-BE15	1
		6413	40x30-6x40	C46-BE13	1
		925	40x30-6x40	C46-BE15	1
		929	50x30-6x40	C46-BE15	1



2.6 TUNGSTEN CARBIDE BURRS FOR STRAIGHT GRINDERS



TUNGSTEN CARBIDE BURRS FOR STRAIGHT GRINDERS

Straight grinders are always in high demand when precise results are required on difficult-to-access areas. Their versatile application options make straight grinders a popular tool. In order that there is always a solution at hand for the full spectrum of applications, TYROLIT offers a wide range of PREMIUM quality tungsten carbide burr shapes.

TYROLIT burrs are made from tried-and-tested, high-quality cemented carbide types on the most modern CNC grinding machines. Our tungsten carbide burrs are then used on

a wide range of handheld, pneumatic and electronic machines, as well as on industrial robots. Thanks to their versatility, the cutters can be used on a variety of materials.

Application recommendation



Performance Level	Specification	Pages	Steel	Stainless steel	NF metals	Cast iron	HSS	Tooth shape
PREMIUM ★★★	MY	118, 119, 120, 121	●	●		●	●	
	MX	118, 119, 120, 121	●	●		●	●	
	MXX	118, 119, 120, 121	●	●		●	●	
	MXC	119, 120	●	●		●	●	
	ALU	121, 122			●			

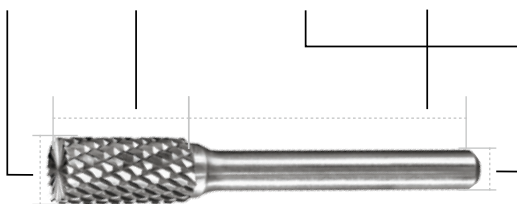
Items with grey lettering are only available on request.

Segmentations:

- ALU:** For aluminium machining (standard with 8 cutting edges)
- ALU6:** For aluminium machining (especially coarse with 6 cutting edges)
- MXC:** For cast steel, welding seams, hardened and cured steels (chip breaker)
- MX:** For high-alloyed steels, rust, acid and heat-resistant cast metals and plastics (diamond)
- MXX:** For high-alloyed steels, rust, acid and heat-resistant cast metals and plastics (fine diamond)
- MY:** For cast steel, welding seams, high-strength hardened and unhardened steels (standard)

Tungsten carbide burr dimensions

16 x 20 – 6 x 40



Shapes



52FLH Flame



52TRE Drop



52KEL Rounded cone



52WRC Ball cylinder



52KSK Conical countersink



52ZYA Cylinder



52KUD Ball



52ZYA-S Cylinder with face toothwork



52RBF Tree



52ZYA-R Cylinder with corner radius



52SKM Pointed cone



52SKM-N



52SPG Bullet



52WKN Cone



52RND Grooves

Areas of application



52FLH Flame



52TRE Drop



52KEL Rounded cone



52WRC Ball cylinder



52KSK Conical countersink



52ZYA Cylinder



52KUD Ball



52ZYA-S Cylinder with face toothwork or as 52ZYA-R Cylinder with corner radius



52RBF Tree



52SKM Pointed cone Combined cone and ball cutter



52SPG Bullet



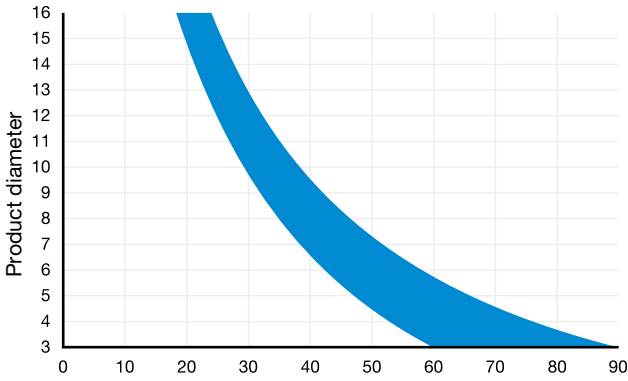
52WKN Cone



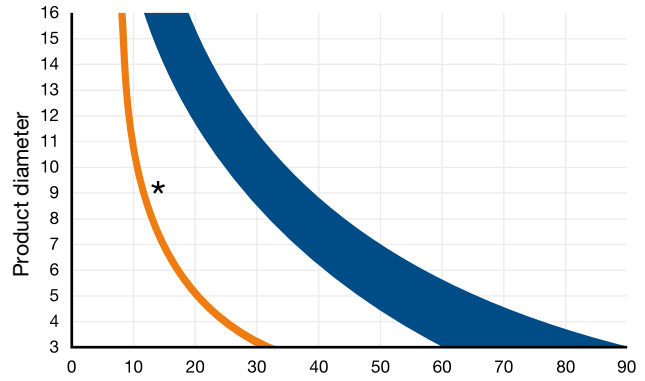
52RND Grooves

Recommended speeds

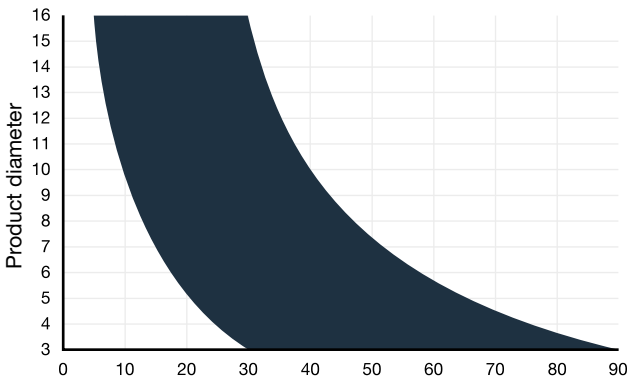
Unhardened steel



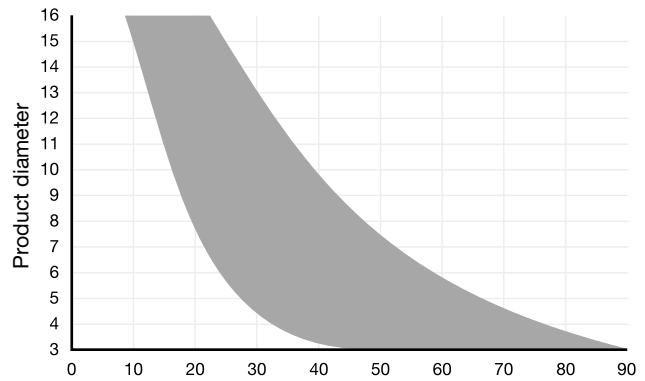
Ceramics, hardened steels, stainless steels, nickel-based alloy, titanium



Soft long-chipping materials, aluminium, fibre-glass-reinforced plastic, plastics, zinc-based alloy



Brass, cast iron, copper, bronze













PREMIUM* TUNGSTEN CARBIDE BURRS**


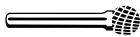








For cast iron, steel and stainless steel



Production of the TYROLIT PREMIUM*** burrs is performed on modern CNC grinding machines. The result is a highly efficient precision tool that achieves optimum grinding results. With this tungsten carbide burr you can achieve the longest lifetimes when used on practically any material. By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.

	Shape	Type no.	Type no.	Dimension	Specification	PU
		52FLH	765657	3x8-3x38	MX	1
			801351	6x14-6x50	MX	1
			765996	8x19-6x65	MX	1
			768898	12x32-6x77	MX	1
			766046	12x32-8x77	MX	1
		52KEL	766932	3x8-3x38	MX	1
			801354	6x13-3x45	MX	1
			766934	6x16-6x50	MX	1
			902732	8x22-6x69	MX	1
			766068	10x19-6x65	MX	1
			766936	10x27-6x75	MX	1
			768894	12x30-6x75	MX	1
			766072	12x30-8x75	MX	1
			837619	12x30-8x75	MXX	1
			801355	16x33-8x78	MXX	1
		52KSK	769680	10x5-6x55	MY	1
			769683	16x8-6x60	MY	1
		52KUD	766050	3x2.7-3x38	MX	1
			766927	4x3.6-3x45	MX	1
			766051	6x5.4-3x38	MX	1
			768821	6x5.4-6x50	MX	1
			768824	8x7.2-6x52	MX	1
			768828	10x9-6x53	MX	1
			768832	12x10.8-6x55	MX	1
			768833	13x11.7-6x55	MXX	1
			768835	16x14.4-6x60	MX	1
			768834	16x14.4-6x60	MY	1
			768838	16x14.4-8x60	MX	1
		52RBF	766155	3x13-3x38	MX	1
			766156	6x13-3x45	MX	1
			768841	6x16-6x50	MX	1
			902700	8x22-6x67	MX	1

	Shape	Type no.	Dimension	Specification	PU	
		52RBF	768843	10x19-6x65	MX	1
			768846	12x25-6x70	MX	1
			768847	12x25-6x70	MXX	1
			766160	12x25-8x70	MX	1
			766929	16x25-8x70	MX	1
		52SKM	801365	3x11-3x38	MX	1
			902747	3x11-6x38	MXC	1
			766091	3x13-3x38	MX	1
			766092	6x13-3x45	MX	1
			902737	6x13-3x45	MY	1
			768913	6x19-6x50	MX	1
			768912	6x19-6x50	MY	1
			768916	10x16-6x65	MX	1
			910834	10x16-6x65	MXC	1
			766937	12x19-6x65	MX	1
			768919	12x22-6x70	MX	1
			768918	12x22-6x70	MY	1
					52SPG	766139
766140	6x13-3x45	MX				1
768941	6x16-6x50	MX				1
768942	6x16-6x50	MXX				1
768944	10x19-6x65	MX				1
766942	12x19-6x65	MX				1
768948	12x25-6x70	MX				1
902724	12x25-6x70	MXC				1
768949	12x25-6x70	MXX				1
766145	13x25-8x70	MX				1
768951	16x25-6x70	MX				1
766147	16x25-8x70	MX				1
		52TRE				766939
			766150	6x10-3x42	MX	1
			768924	8x13-6x58	MX	1
			768926	10x16-6x60	MX	1
			768929	12x22-6x67	MX	1
			766154	16x25-6x70	MX	1
		52WRC	766126	3x13-3x38	MX	1
			766127	6x13-3x45	MX	1
			768874	6x19-6x50	MX	1
			910766	6x19-6x50	MXC	1
			768873	6x19-6x50	MY	1







PREMIUM* TUNGSTEN CARBIDE BURRS**











For cast iron, steel and stainless steel



Production of the TYROLIT PREMIUM*** burrs is performed on modern CNC grinding machines. The result is a highly efficient precision tool that achieves optimum grinding results. With this tungsten carbide burr you can achieve the longest lifetimes when used on practically any material. By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.

	Shape	Type no.	Type no.	Dimension	Specification	PU
		52WRC	768878	8x19-6x65	MX	1
			768880	8x19-6x65	MXX	1
			768877	8x19-6x65	MY	1
			768881	10x19-6x65	MX	1
			766130	10x19-6x65	MY	1
			766930	12x25-6x70	MX	1
			766133	12x25-6x70	MXX	1
			766131	12x25-6x70	MY	1
			768887	12x25-8x70	MX	1
			768888	12x25-8x70	MXX	1
			801349	13x19-6x65	MX	1
			768891	16x25-6x70	MX	1
			766134	16x25-8x70	MX	1
					52ZYA	766099
766944	4x13-4x50	MX				1
766100	6x13-3x45	MX				1
768747	6x19-6x50	MX				1
768750	8x19-6x65	MX				1
766108	10x19-6x65	MX				1
768752	10x19-6x65	MXX				1
766945	12x25-6x70	MX				1
801348	13x19-6x65	MX				1
768754	16x25-6x70	MX				1
766111	16x25-8x70	MX				1
		52ZYA-S	766112	3x13-3x38	MX	1
			902665	3x13-3x38	MY	1
			766113	6x13-3x45	MX	1
			768710	6x19-6x50	MX	1
			902668	6x19-6x50	MXC	1
			768712	8x19-6x65	MX	1
			766115	8x19-6x65	MY	1
			766116	10x19-6x65	MX	1
			766120	10x19-6x65	MY	1
			766949	12x19-6x65	MX	1

	Shape	Type no.	Dimension	Specification	PU	
		52ZYA-S	766121	12x25-6x70	MX	1
			766117	12x25-6x70	MXX	1
			768718	12x25-8x70	MX	1
			768721	16x25-6x70	MX	1
			766119	16x25-8x70	MX	1
		52RND	801529	10x1.6-3x34	MY	1
			801530	12x2.6-6x48	MY	1
			801531	25x5.2-8x50	MY	1
		52ZYA-R	20553	3x13-3x38	MX	1
			20555	6x16-6x50	MX	1
			20557	8x19-6x65	MX	1
			20565	10x19-6x65	MX	1
			20587	12x25-6x70	MX	1
			20590	16x25-6x70	MX	1
		52SKM-N	20487	12x25-6x70	MY	1
		52KUD-N	34022392	12x20-6x63	MX	1

PREMIUM* TUNGSTEN CARBIDE BURRS**









For nonferrous metals



Production of the TYROLIT PREMIUM*** burrs is performed on modern CNC grinding machines. The result is a highly efficient precision tool that has been specially developed for use on nonferrous metals. With these products you can achieve the longest lifetimes.

By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.

	Shape	Type no.	Dimension	Specification	PU	
		52KEL	766935	10x27-6x75	ALU	1
			768896	12x30-6x75	ALU	1
			801527	16x33-8x78	ALU	1
		52RBF	768845	10x19-6x65	ALU	1
			768848	12x25-6x70	ALU	1
			801524	16x25-8x70	ALU	1
		52WRC	768884	10x19-6x65	ALU	1
			768885	12x25-6x70	ALU	1
			801528	16x25-8x70	ALU	1
		52ZYA	806824	10x19-6x65	ALU	1
			806826	12x25-6x70	ALU	1

PREMIUM★★★ TUNGSTEN CARBIDE BURRS

For nonferrous metals



Production of the TYROLIT PREMIUM*** burrs is performed on modern CNC grinding machines. The result is a highly efficient precision tool that has been specially developed for use on nonferrous metals. With these products you can achieve the longest lifetimes.

By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.

	Shape	Type no.	Dimension	Specification	PU	
		52ZYA-S	768715	10x19-6x65	ALU	1
			768717	12x25-6x70	ALU	1

PREMIUM★★★ TUNGSTEN CARBIDE BURR SET

For cast iron, steel and stainless steel




The PREMIUM*** tungsten carbide burr set contains common burrs for machining cast iron, steel and stainless steel materials. Production on CNC machines results in a highly efficient precision tool that achieves optimum grinding results. With this tungsten carbide burr you can achieve the longest lifetimes when used on practically any material.

By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.

	Type no.	Shape	Dimension	Specification	PU
	822725	52WRC	12x25		1
		52KEL	12x30	Cemented carbide milling point set: 5 parts with shaft S6 x 40	1
		52RBF	12x25		1
		52SPG	12x25		1
		52KUD	12x11.7		1
845416		52FLH	8x19		1
		52KEL	10x19		1
		52SPG	6x16		1
		52SPG	10x19		1
		52TRE	8x13	1 cemented carbide milling point set: 10 parts with shaft S6 x 40	1
		52WRC	6x19		1
		52WRC	8x19		1
		52WRC	10x19		1
		52ZYA	8x19		1
		52ZYA-S	10x19		1



Type no.	Shape	Dimension	Specification	PU
822718	52KEL	12x30		1
	52WRC	12x25		1
	52SPG	12x25		1
	52SKM	12x22		1
	52KUD	12x11.7	Cemented carbide milling point set: 5 parts with shaft S6 x 40	1
	52ZYA-S	10x19		1
	52WRC	8x19		1
	52RBF	10x19		1
	52SPG	6x16		1
	52KUD	8x7.2		1
	34022430	52SKM-N	12x25	
52KUD-N		12x20	Cemented carbide mill- ing point set: 5 parts with shaft S6 x 40	1
52ZYA-R		12x25		1
52ZYA-R		10x19		1
52ZYA-R		6x16		1

PREMIUM*** TUNGSTEN CARBIDE BURR SET


For nonferrous metals



The PREMIUM*** tungsten carbide burr set contains common burrs for nonferrous metal applications. Production on CNC machines results in a highly efficient precision tool that achieves optimum grinding results. With this tungsten carbide burr you can achieve the longest lifetimes when used on practically any material.

By choosing the right machine, the correct revolutions per minute and

operating speed, and the appropriate cutting and tooth profile, you will pave the way for PREMIUM results.



Type no.	Shape	Dimension	Specification	PU
822728	52WRC	10x19		1
	52WRC	12x25	Cemented carbide mill- ing point set: 5 parts with shaft S6 x 40	1
	52RBF	10x19		1
	52RBF	12x25		1
	52KEL	12x30		1



CATALOGUE 18

BRUSHES

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SPECIFIC INFORMATION

TOOL BRUSHES

Brushes product label



Wire types

	Abbreviation	Description	Application		Abbreviation	Description	Application
	DW	Knotted wire	Suitable for soft materials such as nonferrous metals, sensitive surfaces and slight impurities		DG	Straight wire	For cleaning workpieces with hand tools
	DZ	Twisted wire	Suitable for heavy work, severe dirt and removing layers of paint or varnish		DE	Wire with plastic	Suitable for accurate work as splaying of wire is prevented; particularly helpful in automotive repairs
	DK	Wire with grain	Suitable for deburring gears, valve parts, cutting edges of aluminium profiles and pipes				

Pictograms Machines



Angle grinder



Straight grinder



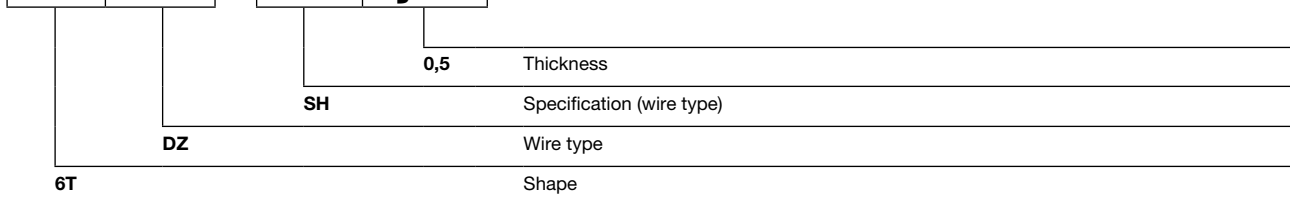
Floorstanding grinder



Hand-guided grinding

Specification

6T DZ SH 0,5



Brushes



S Steel wire



E Stainless steel wire



M Brass wire

SH Hardened steel wire

EA Stainless, acid-resistant steel wire

A Wire with aluminium oxide grain

SZ Hardened and tough steel wire

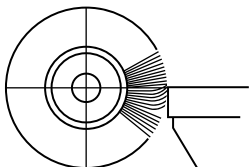
C Wire with silicon carbide grain

SM Brassed steel wire

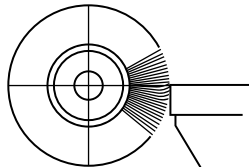
Pressure

Brushes need only light pressure, as the wire tips do all the work. Heavy pressure does not improve the brushing result. Heavy pressure shortens the lifetime and requires more force.

Excessive pressure



Correct pressure





TYR
Wolfgang

TYR



3.1 BRUSHES
ANGLE GRINDER



BRUSHES FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the trade and industrial sectors for processing all types of metals. TYROLIT offers a comprehensive assortment of brushes for angle grinders.

Brushes are generally very versatile and can be used for a wide range of applications such as deburring, cleaning welding seams or the surfaces of virtually any material.

The wide assortment of TYROLIT tool brushes has the right shape, wire type and specification for every job.

Application recommendations



Performance level	Specification	Pages	Steel	Stainless steel	NF-metals
PREMIUM★★★	S...	133, 134, 136, 137	●		
	SH...	134, 135, 136, 137	●		
	SZ...	135	●		
	E... INOX	134, 135, 136, 137		●	
	M...	136			●
	SM..	133	●		

Items with grey lettering are only available on request.

Shapes



11TDW cup brush

For removing rust, paint and dirt and for smooth finishing



11TDZ cup brush

Ideal for preparing surfaces before painting, removing slag, rust, scale and concrete residues



6TDZ cup brush

For heavy work and removal of rust, paint, dirt or scale



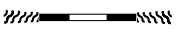
28KDW Tapered brush

For hard-to-reach areas, for removal of rust, paint, dirt and for smooth finishing



28KDZ Tapered brush

For hard-to-reach areas, for removal of slag, rust and scale



1RDZ Round brush

For welding and for removal of scale and paint

Dimensions

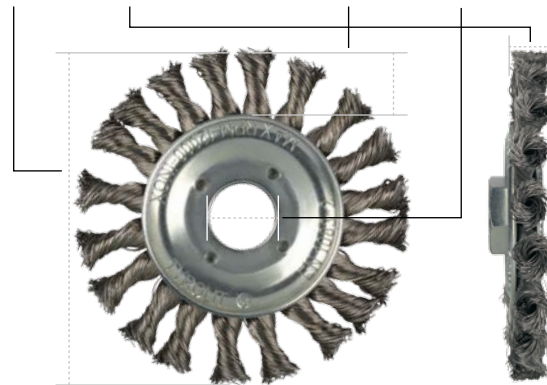
Cup and tapered brushes

80 x 25 x M14



Round brushes

115 x 11 x 23 x 22,2



Maximum speeds

The max. rpm is the speed at which the brushes can be safely used. This must not be exceeded. In most cases it is advantageous to use a lower speed in order to achieve better results.

Caution: Before each use, compare the speeds of the tool and of the machine.

Ø	60	65	75	80	90	100	115	125	150	178	200
Round brush, twisted						11,000	11,000	9,000	9,000	8,500	6,500
Cup brush, knotted	11,000		11,000	9,000				6,500	6,500		
Cup brush, twisted, shape 11		11,000	11,000	11,000	11,000	6-8,500		6,500			
Cup brush, twisted, shape 6				6-8,500		6-8,500		6,500			
Tapered brush, knotted						11,000					
Tapered brush, twisted						11,000	11,000				

Optimum peripheral speed

Application	Peripheral speed in m/s								
	5	15	20	25	30	35	40	45	
Deburring									
Processing of welding seams									
Descaling									
Polishing									
Processing of plastic									
Cleaning									
Rust removal									

PREMIUM★★★ SHIELD CUP BRUSHES FOR STEEL

+ Enhanced user safety

The protective plastic flaps provide protection from undesired wire breakages and dust.

+ Broad assortment

SHIELD cup brushes from TYROLIT are available in various shapes and wire types.



+ No restriction

The protection is transparent and therefore makes it easier to have a clear view of the surface being worked on. Even difficult-to-access areas are no longer a challenge thanks to the flexibility and pliability of the plastic.

With SHIELD cup brushes, TYROLIT offers a protective coating against dust and wire breakages combined with user-friendly use. The transparent protection allows the operator an unrestricted view of the workpiece even when performing edge and cor-

ner grinding. In addition, the plastic flaps offer a high level of flexibility, making it possible to machine difficult-to-reach places.

SHIELD brushes are available in various designs and wire types, and

offer the highest safety levels when working on steel. Applications. Our products are also frequently used to clean welding seams.

PREMIUM★★★ SHIELD CUP BRUSHES for steel



	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		11TDW 34023780	75x20xM14-2	SM0,3	1	13.000	
		11TDZ 34023778	65x20xM14-2	S0,5	1	15.000	
		6TDW	34023827	80x30xM14-2	SM0,3	1	8.500
			34023828	100x30xM14-2	SM0,3	1	8.500
		6TDZ	34023823	80x25xM14-2	S0,5	1	8.500
			34023824	100x25xM14-2	S0,5	1	8.500
	28KDW	34023819	100x20xM14-2	SM0,3	1	13.000	
		28KDZ 34023817	100x20xM14-2	S0,5	1	15.000	

PREMIUM★★★ SHIELD CUP BRUSHES

For stainless steel



With SHIELD cup brushes, TYROLIT offers a protective coating against dust and wire breakages combined with user-friendly use. SHIELD brushes are available in various designs and wire types, and offer the highest safety levels when working on steel. Applications. Our products are also frequently used to clean welding seams.

The transparent protection allows the operator an unrestricted view of the

workpiece even when performing edge and corner grinding. In addition, the plastic flaps offer a high level of flexibility, making it possible to machine difficult-to-reach places.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
		11TDW 34023812	75x20xM14-2	E0,3INOX	1	13,000
		11TDZ 34023813	65x20xM14-2	E0,5INOX	1	15,000
		6TDW 34023829	80x30xM14-2	E0,3INOX	1	8,500
		34023830	100x30xM14-2	E0,3INOX	1	8,500
		6TDZ 34023825	80x25xM14-2	E0,5INOX	1	8,500
		34023826	100x25xM14-2	E0,5INOX	1	8,500
		28KDW 34023822	100x20xM14-2	E0,3INOX	1	13,000
	28KDZ 34023818	100x20xM14-2	E0,5INOX	1	15,000	

PREMIUM★★★ CUP BRUSHES



For steel



Wire brushes are universal tools for all applications. Cup brushes in particular are among the most commonly-used brush tools. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint, as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		11TDW 896157	60x16xM14	S0,3	1	11,000	
		896158	60x16xM14	S0,5	1	11,000	
		896160	75x20xM14	S0,3	1	9,000	
		896161	75x20xM14	S0,5	1	9,000	
		896162	100x30x22,2	S0,3	1	8,500	
		896163	100x30x22,2	S0,5	1	8,500	
		896164	100x30xM14	S0,3	1	8,500	
		896165	100x30xM14	S0,5	1	8,500	
		896250	125x35xM14	S0,3	1	6,500	
		896252	125x35xM14	S0,5	1	6,500	
		896253	150x55xM14	S0,3	1	6,500	
		896255	150x55xM14	S0,5	1	6,500	
			11TDZ 829292	80x35xM14	SH0,5	1	7,500
			829293	100x35xM14	SH0,5	1	7,500
			890868	100x45xM14	SZ0,35	1	7,500

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		6TDZ	890860	65x20xM14	SH0,35	1	12,000
			890862	65x20xM14	SH0,5	1	12,000
			890863	80x25xM14	SH0,35	1	8,500
			890864	80x25xM14	SH0,5	1	8,500
			890865	100x25x22,2	SH0,35	1	8,500
			34042518	100x25x22,2	SH0,5	1	8,500
			890866	100x25xM14	SH0,35	1	8,500
			896289	100x25xM14	SH0,5	1	8,500
			896291	120x25xM14	SH0,35	1	6,500
			896290	120x25xM14	SH0,5	1	6,500
			896293	140x25xM14	SH0,35	1	5,500
			896292	140x25xM14	SH0,5	1	5,500




PREMIUM★★★ CUP BRUSHES

For stainless steel



Wire brushes are universal tools for all applications. Cup brushes in particular are among the most commonly-used brush tools. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint, as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM			
		11TDW	896167	60x16xM14	E0,3INOX	1	11,000		
			896169	60x16xM14	E0,5INOX	1	11,000		
			896170	75x20xM14	E0,3INOX	1	9,000		
			896171	75x20xM14	E0,5INOX	1	9,000		
			896172	100x30x22,2	E0,3INOX	1	8,500		
			896173	100x30x22,2	E0,5INOX	1	8,500		
			896174	100x30xM14	E0,3INOX	1	8,500		
			896175	100x30xM14	E0,5INOX	1	8,500		
				6TDZ	890851	65x20xM14	E0,35INOX	1	12,000
					890852	65x20xM14	E0,5INOX	1	12,000
					34042519	80x25xM14	E0,35INOX	1	8,500
					890853	80x25x22,2	E0,5INOX	1	8,500
					890854	80x25xM14	E0,5INOX	1	8,500
					890855	100x25x22,2	E0,35INOX	1	8,500
					890856	100x25x22,2	E0,5INOX	1	8,500
					890858	100x25xM14	E0,35INOX	1	8,500
					890859	100x25xM14	E0,5INOX	1	8,500



PREMIUM* CUP BRUSHES**

For nonferrous metals



PREMIUM*** cup brushes with brass wire are ideal for machining nonferrous metals. Due to its hardness, the brass wire achieves the best results on the brass workpiece. Their knotted wire design enables them to easily remove paint, dirt and varnish.

They are ideal for fine work and thus make working on nonferrous metals easier.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		11TDW	896943	60x16xM14	M0,3	1	11,000
			34042515	80x25xM14	M0,3	1	8,500
			34042517	100x30xM14	M0,3	1	8,500



PREMIUM* TAPERED BRUSHES**

For steel



These PREMIUM*** wire brushes are particularly suitable for machining hard-to-reach parts due to their shape. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint, as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		28KDW	829306	100x20xM14	S0,3	1	12,500
		28KDZ	896294	100x20xM14	SH0,35	1	12,500
			894595	100x20xM14	SH0,5	1	12,500
			894598	115x27.5xM14	SH0,5	1	12,500
		28KDZR	34042520	115x27.5xM14	SH0,35	1	12,500

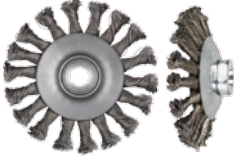

PREMIUM* TAPERED BRUSHES**

For stainless steel



These PREMIUM*** wire brushes are particularly suitable for machining hard-to-reach parts due to their shape. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint, as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		28KDW	896260	100x20xM14	E0,3INOX	1	12,500
		28KDZ	894602	100x20xM14	E0,5INOX	1	12,500
			938642	115x27.5xM14	E0,35INOX	1	12,500
			938646	115x27.5xM14	E0,5INOX	1	12,500
		28KDZR	829330	100x20xM14	E0,35INOX	1	12,500

PREMIUM* ROUND BRUSHES**

For steel



The PREMIUM*** round brushes are ideal for welding. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint,

as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		1RDZ	943976	100x11x22x22.2	SH0,5	1	11,000
		890618	100x11x22xM14	SH0,5	1	11,000	
		310303	115x11x23x22.2	SH0,35	1	11,000	
		894085	115x11x23x22.2	SH0,5	1	11,000	
		960324	115x11x23xM14	S0,35	1	11,000	
		938680	115x11x23xM14	SH0,5	1	11,000	
		903406	125x12x25x22.2	SH0,35	1	12,000	
		947205	125x12x25x22.2	SH0,5	1	12,000	
		34042522	125x12x25xM14	SH0,35	1	12,000	
		603818	125x12x25xM14	SH0,5	1	12,000	
		34042525	178x15x44xM14	SH0,35	1	9,000	
		34042524	178x15x44xM14	SH0,5	1	9,000	
		829026	178x13x38x22.2	SH0,5	1	9,000	

PREMIUM* ROUND BRUSHES**

For stainless steel



The PREMIUM*** round brushes are ideal for welding. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint,

as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		1RDZ	890623	100x11x22xM14	E0,5INOX	1	11,000
		310305	115x11x23x22.2	E0,35INOX	1	11,000	
		890608	115x11x23x22.2	E0,5INOX	1	11,000	
		16422	115x11x23xM14	E0,35INOX	1	11,000	
		890626	115x11x23xM14	E0,5INOX	1	11,000	
		890635	125x12x25x22.2	E0,35INOX	1	12,000	
		34042526	125x12x25x22.2	E0,5INOX	1	12,000	
		34042528	125x12x25xM14	E0,35INOX	1	12,000	
		34042527	125x12x25xM14	E0,5INOX	1	12,000	
		16425	178x15x44xM14	E0,35INOX	1	9,000	
		942005	178x15x35x22.2	E0,5INOX	1	9,000	
		16427	178x15x44xM14	E0,5INOX	1	9,000	





3.2 BRUSHES STRAIGHT GRINDER



BRUSHES FOR STRAIGHT GRINDERS

Straight grinders are needed when precise results are required in hard-to-reach areas such as the inside of pipes. Their versatility makes them a popular tool.

That's why TYROLIT offers a comprehensive assortment of cup, round and wire brushes which can also be used on other machines, such as drilling machines.

The range of applications is very wide. Shaft mounted brushes are used for surface treatment such as cleaning rust, deburring, texturing and removing layers such as paint or rubber.

Application recommendations



Performance level	Specification	Pages	Steel	Stainless steel	NF-metals	All in one
PREMIUM***	S...	143, 145, 147	●			
	SH...	147	●			
	SZ...	143	●			
	E... INOX	144, 146, 148		●		
	EA... INOX	148		●		
	M...	144, 146, 148			●	
	SM...	143	●			
	C...	145, 147, 149				●

Items with grey lettering are only available on request.

Shapes



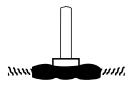
52TDW Cup brushes

Suitable for cleaning work, such as removing paint or rust or for deburring



52RDW Round brushes

For removing rust, cleaning, smoothing, polishing, matting and roughening



52RDZ Round brushes

Designed for welding and removing scale and paint



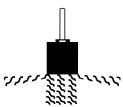
52RDK Round brushes

For matting and glazing, coated with grain



52PDE Wire brushes

Suitable for roughening, deburring, descaling and cleaning. The plastic coating ensures a long tool life



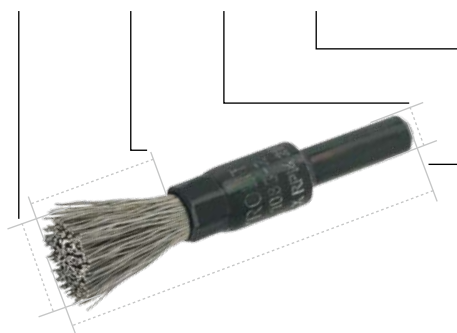
52PDZ Wire brushes

Suitable for roughening, deburring, descaling, matting and cleaning. These wire brushes are characterised by their high level of flexibility. The wire brush opens due to centrifugal force. They are also particularly suitable for cleaning the inside of pipes.

Dimensions

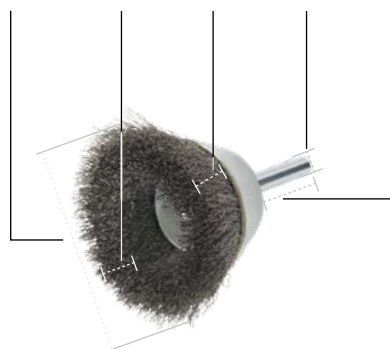
Wire brushes

12 x 20 – 6 x 60



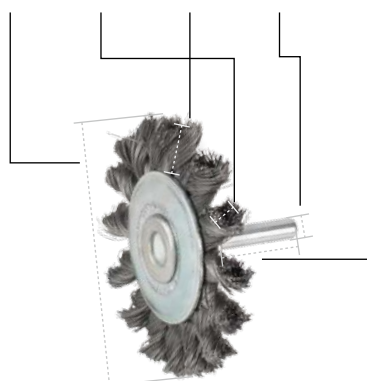
Shaft mounted cup brushes

50 x 10 x 20 – 6 x 30



Shaft mounted round brushes

70 x 6 x 15 – 6 x 30



Optimum peripheral speed

Application	Peripheral speed in m/s							
	5	15	20	25	30	35	40	45
Deburring								
Processing of welding seams								
Descaling								
Polishing								
Processing of plastic								
Cleaning								
Rust removal								

PREMIUM* WIRE BRUSHES**

For steel



Wire brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. Twisted wire brushes are suitable for roughening, deburring, descaling, matting and cleaning. These wire brushes are characterised by their high level of flexibility. The wire brush opens due to centrifugal force. They are also particularly suitable for cleaning the inside of pipes. Knotted

wire brushes are suitable for roughening, deburring, descaling, matting and cleaning. Also to remove burr, rust, rubber and other impurities in difficult-to-reach areas. Wire brushes with plastic achieve a longer lifetime.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52PDW	903431	12x20-6x60	S0,2	25	20,000
		890719	12x20-6x60	S0,3	25	20,000	
		903432	12x20-6x60	S0,5	25	20,000	
		34043179	17x22-6x65	S0,2	25	18,000	
		890721	17x22-6x65	S0,3	25	18,000	
		52679	17x22-6x65	S0,5	25	18,000	
		903429	24x25-6x68	S0,2	25	18,000	
		903430	24x25-6x68	S0,3	25	18,000	
		890722	24x25-6x68	S0,5	25	18,000	
		58293	30x25-6x68	S0,2	25	15,000	
		19012	30x25-6x68	S0,3	25	15,000	
		890723	30x25-6x68	S0,5	25	15,000	
	52PDZ	34043520	19x28-6x68	SZ0,25	25	20,000	
	903357	19x28-6x68	SZ0,35	25	20,000		
	34043541	19x28-6x68	SZ0,5	25	20,000		
	34043542	22x28-6x68	SZ0,25	25	20,000		
	34043543	22x28-6x68	SZ0,35	25	20,000		
	34043544	22x28-6x68	SZ0,5	25	20,000		
	939968	28x28-6x68	SZ0,25	25	20,000		
	34043545	28x28-6x68	SZ0,35	25	20,000		
	936422	28x28-6x68	SZ0,5	25	20,000		
	52PDE	890649	10x25-6x60	SM0,3	25	20,000	
	34043180	15x25-6x65	SM0,3	25	15,000		
	890650	22x25-6x68	SM0,3	25	13,000		
	34043181	28x25-6x68	SM0,3	25	13,000		

PREMIUM* WIRE BRUSHES**

For stainless steel



Wire brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. Twisted wire brushes are suitable for roughening, deburring, descaling, matting and cleaning. These wire brushes are characterised by their high level of flexibility. The wire brush opens due to centrifugal force. They are also particularly suitable for cleaning the inside of pipes. Knotted

wire brushes are suitable for roughening, deburring, descaling, matting and cleaning. Also to remove burr, rust, rubber and other impurities in difficult-to-reach areas.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52PDW	897357	12x20-6x60	E0,3INOX	25	20,000
			890707	17x22-6x65	E0,3INOX	25	18,000
			890709	24x25-6x68	E0,3INOX	25	18,000
			903340	30x25-6x68	E0,3INOX	25	15,000
		52PDZ	890652	19x28-6x68	E0,25INOX	25	20,000
			890654	19x28-6x68	E0,35INOX	25	20,000
			890653	22x28-6x68	E0,25INOX	25	20,000
			890655	22x28-6x68	E0,35INOX	25	20,000
			934433	28x28-6x68	E0,25INOX	25	20,000
			16746	28x28-6x68	E0,35INOX	25	20,000

PREMIUM* WIRE BRUSHES**

For nonferrous metals



Wire brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. They are also particularly suitable for cleaning the inside of pipes.

Knotted wire brushes are suitable for roughening, deburring, descaling, matting and cleaning. Also to remove burr, rust, rubber and other impurities in difficult-to-reach areas.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52PDW	890658	12x20-6x60	M0,2	25	20,000
			903343	12x20-6x60	M0,3	25	20,000
			890708	17x22-6x65	M0,2	25	18,000
			903350	17x22-6x65	M0,3	25	18,000
			890717	24x25-6x68	M0,3	25	18,000
			890718	30x25-6x68	M0,3	25	15,000

PREMIUM★★★ WIRE BRUSHES

For universal use



Wire brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. They are also particularly suitable for cleaning the inside of pipes.

Wire brushes with silicon carbide are very hard and thus enable very

high stock removal rates. Their use includes deburring work on various workpieces made of practically any material, such as steel, aluminium, stainless steel, copper, brass, etc. In addition, silicon carbide is used for wood structuring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52PDK	34043547	17x22-6x65	C180	25	18,000
			34043548	24x25-6x68	C120	25	18,000
			34043549	24x25-6x68	C180	25	18,000
			34043550	24x25-6x68	C320	25	18,000
			34043552	30x25-6x68	C180	25	15,000

PREMIUM★★★ SHAFT MOUNTED CUP BRUSHES

For steel



Shaft mounted cup brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines.

Knotted shaft mounted cup brushes are suitable for cleaning work, such as removing paint, rust, scale, crust, or deburring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52TDW	890753	40x10x15-6x30	S0,2	25	10,500
			890756	40x10x15-6x30	S0,3	25	10,500
			34043171	50x10x20-6x30	S0,2	25	10,500
			903359	50x10x20-6x30	S0,3	25	10,500
			903427	50x50x20-6x30	S0,2	25	10,500
			903428	50x50x20-6x30	S0,3	25	10,500
			890764	60x15x20-6x30	S0,2	25	4,500
			890763	60x15x20-6x30	S0,3	25	4,500
			890765	60x60x20-6x30	S0,2	25	4,500
			890766	60x60x20-6x30	S0,3	25	4,500
			890776	70x15x25-6x30	S0,2	25	4,500
			890774	70x15x25-6x30	S0,3	25	4,500
			890777	70x70x25-6x30	S0,2	25	4,500
			890778	70x70x25-6x30	S0,3	25	4,500

PREMIUM★★★ SHAFT MOUNTED CUP BRUSHES

For stainless steel



Shaft mounted cup brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines.

Knotted shaft mounted cup brushes are suitable for cleaning work, such as removing paint, rust, scale, crust, or deburring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
		52TDW				
		890757	40x10x15-6x30	E0,2INOX	25	10,500
		890758	40x10x15-6x30	E0,3INOX	25	10,500
		34038259	50x10x20-6x30	E0,2INOX	25	10,500
		903877	50x10x20-6x30	E0,3INOX	25	10,500
		34038260	50x50x20-6x30	E0,2INOX	25	10,500
		903878	50x50x20-6x30	E0,3INOX	25	10,500
		890762	60x15x20-6x30	E0,2INOX	25	4,500
		890761	60x15x20-6x30	E0,3INOX	25	4,500
		890768	60x60x20-6x30	E0,2INOX	25	4,500
		890769	60x60x20-6x30	E0,3INOX	25	4,500
		890772	70x15x25-6x30	E0,2INOX	25	4,500
		890771	70x15x25-6x30	E0,3INOX	25	4,500
		890779	70x70x25-6x30	E0,2INOX	25	4,500
		890780	70x70x25-6x30	E0,3INOX	25	4,500

PREMIUM★★★ SHAFT MOUNTED CUP BRUSHES

For nonferrous metals



Shaft mounted cup brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines.

Knotted shaft mounted cup brushes are suitable for cleaning work, such as removing paint, rust, scale, crust, or deburring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
		52TDW				
		34043172	40x10x15-6x30	M0,3	25	10,500
		199649	50x10x20-6x30	M0,2	25	10,500
		23470	50x10x20-6x30	M0,3	25	10,500
		34043173	50x50x20-6x30	M0,3	25	10,500
		23469	60x15x20-6x30	M0,3	25	4,500
		34043174	60x60x20-6x30	M0,3	25	4,500
		23471	70x15x25-6x30	M0,3	25	4,500
		34043175	70x70x25-6x30	M0,3	25	4,500



PREMIUM★★★ SHAFT MOUNTED CUP BRUSHES

For universal use



Shaft mounted cup brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. Shaft mounted cup brushes with silicon carbide are very hard and thus enable

very high stock removal rates. Their use includes deburring work on various workpieces made of practically any material, such as steel, aluminium, stainless steel, copper, brass, etc. In addition, silicon carbide is used for wood structuring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52TDK	34043177	50x10x20-6x30	C180	25	10,500
			34043178	60x15x20-6x30	C180	25	4,500
			34043546	70x15x25-6x30	C180	25	4,500




PREMIUM★★★ SHAFT MOUNTED ROUND BRUSHES

For steel



Shaft mounted round brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. Knotted wire brushes are suitable for removing rust, cleaning, smoothing, polishing, matting and roughening.

Twisted shaft mounted round brushes are designed for welding and removing scale and paint.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52RDW	890840	20x4x3-6x30	S0,2	25	20,000
			890841	30x6x6.5-6x30	S0,2	25	20,000
			890842	40x9x9-6x30	S0,2	25	18,000
			890843	40x9x9-6x30	S0,3	25	18,000
			903421	50x15x12.5-6x30	S0,15	25	15,000
			890844	50x15x12.5-6x30	S0,2	25	15,000
			890845	50x15x12.5-6x30	S0,3	25	15,000
			34043554	50x15x12.5-6x30	S0,5	25	15,000
			890846	60x10x17.5-6x30	S0,3	25	15,000
			903422	60x15x17.5-6x30	S0,15	25	15,000
			890847	60x15x17.5-6x30	S0,2	25	15,000
			903423	60x15x17.5-6x30	S0,3	25	15,000
			903424	70x15x19-6x30	S0,15	25	15,000
			34043555	70x15x19-6x30	S0,2	25	15,000
			890848	70x15x19-6x30	S0,3	25	15,000
			34043557	70x15x19-6x30	S0,5	25	15,000
			903425	80x15x19-6x30	S0,15	25	12,000
			890849	80x15x19-6x30	S0,3	25	12,000
			52RDZ	890810	70x6x15-6x30	SH0,3	25
34042794	80x10x15-6x30			SH0,35	25	20,000	

PREMIUM* SHAFT MOUNTED ROUND BRUSHES**

For stainless steel



Shaft mounted round brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines. Knotted wire brushes are suitable for removing rust, cleaning, smoothing, polishing, matting and roughening.

Twisted shaft mounted round brushes are designed for welding and removing scale and paint.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52RDW	890812	20x4x3-6x30	E0,2INOX	25	20,000
		890813	30x6x6.5-6x30	E0,2INOX	25	20,000	
		890814	40x9x9-6x30	E0,2INOX	25	18,000	
		890815	40x9x9-6x30	E0,3INOX	25	18,000	
		890817	40x13.5x9-6x30	E0,3INOX	25	18,000	
		34043559	50x10x12.5-6x30	E0,2INOX	25	15,000	
		890819	50x10x12.5-6x30	E0,3INOX	25	15,000	
		890820	50x15x12.5-6x30	E0,2INOX	25	15,000	
		890821	50x15x12.5-6x30	E0,3INOX	25	15,000	
		890822	60x10x17.5-6x30	E0,2INOX	25	15,000	
		890823	60x10x17.5-6x30	E0,3INOX	25	15,000	
		890827	60x15x17.5-6x30	E0,2INOX	25	15,000	
		890828	60x15x17.5-6x30	E0,3INOX	25	15,000	
		895521	70x15x19-6x30	E0,2INOX	25	15,000	
		890831	70x15x19-6x30	E0,3INOX	25	15,000	
		890832	80x10x19-6x30	E0,3INOX	25	12,000	
		890835	80x15x19-6x30	E0,3INOX	25	12,000	
				52RDZ	890811	70x6x15-6x30	E0,35INOX

PREMIUM* SHAFT MOUNTED ROUND BRUSHES**

For nonferrous metals



Shaft mounted round brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines.

Knotted shaft mounted round brushes are suitable for removing rust, cleaning, smoothing, polishing, matting and roughening.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52RDW	23472	40x9x9-6x30	M0,3	25	18,000
		23473	50x10x12.5-6x30	M0,3	25	15,000	
		903337	50x15x12.5-6x30	M0,2	25	15,000	
		34043560	50x15x12.5-6x30	M0,3	25	15,000	
		23474	60x10x17.5-6x30	M0,3	25	15,000	
		199648	70x15x19-6x30	M0,2	25	15,000	
		903339	70x15x19-6x30	M0,3	25	15,000	

PREMIUM★★★ SHAFT MOUNTED ROUND BRUSHES



For universal use



Shaft mounted round brushes are ideal for machining hard-to-reach parts. With this product you will obtain a tool that can be used on both straight grinders and drilling machines.

Shaft mounted round brushes with silicon carbide are very hard and thus enable very high stock removal rates. Their use includes deburring work

on various workpieces made of practically any material, such as steel, aluminium, stainless steel, copper, brass, etc. In addition, silicon carbide is used for wood structuring.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		52RDK	34043572	50x20x12.5-6x30	C180	25	15,000
			903363	63x10x18-6x30	C320	25	15,000
			908265	70x20x19-6x30	C120	25	15,000
			908264	70x20x19-6x30	C180	25	15,000
			908263	70x20x19-6x30	C320	25	15,000



A close-up, low-angle shot of a floor-standing grinder. The central focus is a large, circular, blue brush wheel with a textured surface. The wheel is mounted on a metal frame. To the left, a metal arm with a small screw is visible. The background is blurred, showing other parts of the machine and a dark, industrial setting. The lighting is dramatic, with strong highlights and deep shadows.

3.3 BRUSHES

FLOORSTANDING GRINDER



BRUSHES FOR FLOORSTANDING GRINDERS

A floorstanding grinder is a versatile machine used in many workshops to work on different materials. The wide assortment of TYROLIT tool brushes therefore has the right shape, wire type and specification for every application.

Knotted round brushes, with and without grain, are ideal for removing rust, cleaning, smoothing, polishing, matting and roughening. Twisted round brushes, on the other hand, are suitable for rough work such as welding and removing scale and paint.

Formen



1RDW Round brushes

For removing rust, cleaning, smoothing, polishing, matting and roughening



1RDK Round brushes

For matting and glazing, coated with grain



1RDZ Round brushes

For welding and for removal of scale and paint

Application recommendations



Performance level	Specification	Pages	Steel	Stainless steel	All in one steel
PREMIUM***	S...	154	●		
	SH...	154	●		
	SZ...	154	●		
	E... INOX	155		●	
	C...	155			●
	A...	155			●

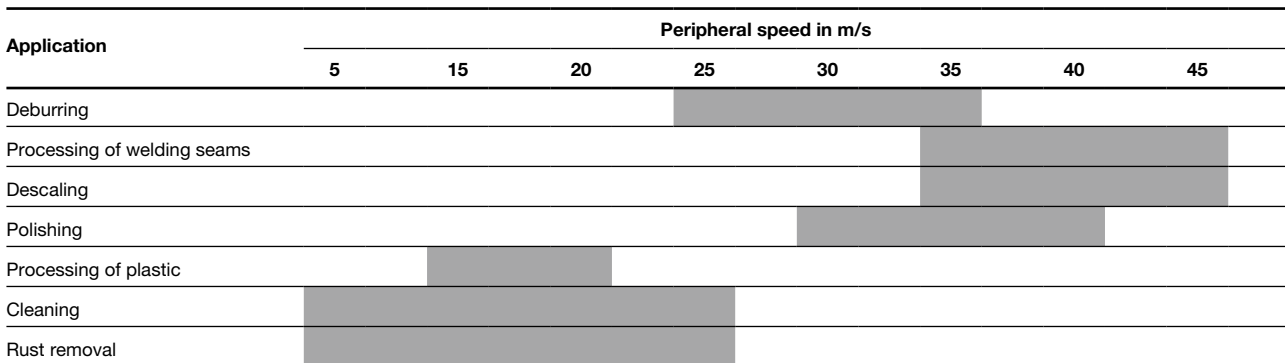
Items with grey lettering are only available on request.

Dimensions round brushes

200 x 26 x 40 x 32



Optimum peripheral speed






PREMIUM* ROUND BRUSHES**

For steel



Round brushes for floorstanding grinders. TYROLIT will provide you with the appropriate wire brush for your application depending on the wire type. Twisted wire brushes are used for preparing surfaces and removing rust, scales and concrete residue.

Wire brushes with knotted wire can also be used to remove rust and paint, as well as for fine grinding. Our products are also frequently used to clean welding seams.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		1RDW	896630	80x22x20x12.5	S0,3	1	10,000
			896109	100x20x24x20	S0,3	1	6,000
			896237	100x20x24x20	S0,5	1	6,000
			896111	125x24x36x20	S0,3	1	6,000
			896238	125x24x36x20	S0,5	1	6,000
			896115	150x18x27x32	S0,3	1	6,000
			896239	150x18x27x32	S0,5	1	6,000
			896241	180x22x42x32	S0,3	1	6,000
			896243	180x22x42x32	S0,5	1	6,000
			927369	200x26x40x20	S0,3	1	4,500
			894770	200x26x40x32	S0,3	1	4,500
			896244	200x26x40x32	S0,5	1	4,500
			896121	200x36x40x32	S0,3	1	4,500
			896245	200x36x40x32	S0,5	1	4,500
			896123	200x45x40x32	S0,3	1	4,500
			896246	250x38x50x32	S0,3	1	3,600
			896247	250x38x50x32	S0,5	1	3,600
			943863	250x38x50x100	S0,5	1	3,600
			920436	250x42x50x100	S0,3	1	3,600
			938384	300x38x60x25.4	S0,3	1	3,000
920824	300x38x60x100	S0,3	1	3,000			
923064	300x48x60x100	S0,3	1	3,000			
		1RDZ	903404	100x18x22x16	SH0,35	1	11,000
			903409	100x18x22x16	SH0,5	1	11,000
			903407	180x18x34x22.2	SH0,35	1	9,000
			903411	180x18x34x22.2	SH0,5	1	9,000
			903408	200x22x44x40	SH0,35	1	8,500
			903413	200x22x44x40	SH0,5	1	8,500
			915557	300x10x65x25.4	SZ0,5	1	4,500
			915555	300x8x65x25.4	SZ0,5	1	4,500

PREMIUM★★★ ROUND BRUSHES

For stainless steel



The versatile round brushes for floorstanding grinders are used in a variety of industries. These wire brushes with knotted wire can be used to remove rust and paint, as well as for fine grinding. They also come in useful for polishing and matting stainless steel workpieces.

TYROLIT wire brushes are manufactured to the highest standards to make work for the operator easier and safer.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
	1RDW	929849	100x20x24x10	E0,1INOX	1	6,000
		896110	100x20x24x20	E0,3INOX	1	6,000
		896113	125x24x36x20	E0,3INOX	1	6,000
		896116	150x18x27x32	E0,3INOX	1	6,000
		128345	180x22x42x32	E0,3INOX	1	6,000
		935157	200x26x40x20	E0,3INOX	1	4,500
		896119	200x26x40x32	E0,3INOX	1	4,500
		896122	200x36x40x32	E0,3INOX	1	4,500
		896124	200x45x40x32	E0,3INOX	1	4,500
		939696	250x60x50x50.8	E0,4INOX	1	3,600
		939697	300x60x60x50.8	E0,4INOX	1	3,600

PREMIUM★★★ ROUND BRUSHES

For universal use



The versatile round brushes for floorstanding grinders are used in a variety of industries. Wire brushes with silicon carbide are very hard and thus enable very high stock removal rates. Their use includes deburring work on various workpieces made of practically any material, such as steel, aluminium, stainless steel, copper, brass, etc. In addition, silicon carbide is used for wood structuring.

Round brushes with aluminium oxide are somewhat softer and therefore less abrasive. They are primarily used in wood structuring, but also for light deburring if very small rounded edges are desired. TYROLIT wire brushes are manufactured to the highest standards to make work for the operator easier and safer.

Round brushes with aluminium oxide are somewhat softer and therefore

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
	1RDK	34043575	100x11x22x20	C120	1	12,000
		34043576	100x11x22x20	C320	1	12,000
		34043577	125x13x22x20	C320	1	10,000
		34043578	150x13x34x32	C320	1	8,000
		916720	150x15x29x40	C320	1	8,000
		34043579	180x15x44x40	C320	1	6,000
		227435	200x13x43x50.8	C320	1	6,000
		898839	300x19x30x50.8	C120	1	3,000
		7213	300x19x30x50.8	A120	1	3,000



ROLIT

WORK WEAR



3.4 BRUSHES

HAND-GUIDED GRINDING



HAND-OPERATED TOOL BRUSHES

Brushes are suitable for universal use and can be employed in a very wide range of applications: deburring, cleaning welding seams or the surfaces of virtually any material.

With a large selection of shapes, it is possible to clean and work on hard-to-reach areas. Our range even includes a suitable hand brush for cleaning spark plugs.

The TYROLIT range of brushes offers the right wire type and specification for every application.

Application recommendations



Performance level	Specification	Pages	Steel	Stainless steel	Aluminum
PREMIUM***	S...	160	●		
	E... INOX	160		●	
	M...	161			●

Items with grey lettering are only available on request.

Shapes



90HDG Hand brush

Hand brush for universal use



90HDW Hand brush

For working on nonferrous metals with knotted brass wire



90SDW Hand brush

For smooth finishing of profiled surfaces



90ZKDW Hand brush

Specially for cleaning spark plugs

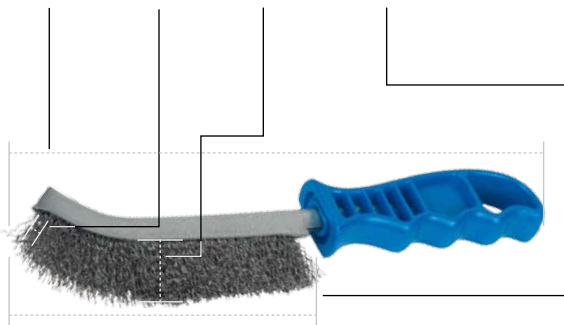


90HKE Hand brush

V-shaped, for cleaning hard-to-reach welding seams and fillet welds

Dimensions hand brushes

260 x 10 x 28 x 138



PREMIUM★★★ HAND-OPERATED BRUSHES

For steel



TYROLIT hand brushes are suitable for practically any application. This tool enables the deburring and cleaning of welding seams or surfaces. Depending on the shape and wire sequence, these brushes can also clean hard-to-reach areas, such as welding seams and fillet welds, and remove slag and scale.

We have also expanded our range to include a special shape to clean spark plugs. Our hand brushes are also available with plastic instead of wooden handles for use in the food industry. File brushes are specially designed to clean metal and wood files.

	Shape	Type no.	Dimension	Specification	PU	Wire sequence
		90HDG	895498	290x22x25x140	S0,3	12 2
			895576	290x28x25x140	S0,3	12 3
			895577	290x32x25x140	S0,3	12 4
			895578	290x38x25x140	S0,3	12 5
			199657	290x42x25x140	S0,35	12 6
		90SDW	896223	260x10x28x135	S0,3	12 1
		90HKE	199682	290x35x35x135	S0,35	12 3
		90FDG	899851	210x25x25x100	S0,3	12 -

PREMIUM★★★ HAND-OPERATED BRUSHES

For stainless steel



These brushes are stainless steel specialists when it comes to deburring and cleaning welding seams or surfaces. Depending on the shape and wire sequence, these brushes can also clean hard-to-reach areas, such as welding seams and fillet welds, and remove slag and scale. We have also expanded our range to include a special shape to clean spark plugs.

Our hand brushes are also available with plastic instead of wooden handles for use in the food industry.

	Shape	Type no.	Dimension	Specification	PU	Wire sequence
		90HDG	895579	290x22x25x140	E0,3INOX	12 2
			895580	290x28x25x140	E0,3INOX	12 3
			896207	290x32x25x140	E0,3INOX	12 4
			896209	290x38x25x140	E0,3INOX	12 5
		90SDW	896224	260x10x28x135	E0,3INOX	12 1
		90HKE	199689	290x35x35x135	E0,35INOX	12 3

PREMIUM★★★ HAND-OPERATED BRUSHES

For nonferrous metals



TYROLIT hand brushes are suitable for practically any application. This tool enables the deburring and cleaning of welding seams or surfaces. Depending on the shape and wire sequence, these brushes can also clean hard-to-reach areas, such as welding seams and fillet welds, and remove slag and scale.

We have also expanded our range to include a special shape to clean spark plugs. Our hand brushes are also available with plastic instead of wooden handles for use in the food industry.

	Shape	Type no.	Dimension	Specification	PU	Wire sequence
		90HDW	896217	290x22x25x140	M0,3	12 2
			895581	290x28x25x140	M0,3	12 3
			896219	290x32x25x140	M0,3	12 4
			896220	290x38x25x140	M0,3	12 5
			199658	290x42x25x140	M0,3	12 6
		90SDW	199678	260x10x28x135	M0,3	12 1
		90ZKDW	903434	145x18x15x35	M0,15	12 3



CATALOGUE 18

COATED ABRASIVES

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SPECIFIC INFORMATION

SPECIFICATION

ZA-P43N

	N	Underlay made of natural fibres
	V	Underlay made of vulcanised fibres
	A/B/C/F	Weight of paper
	C J	Cloth – flexible
	C JJ	Cloth – very flexible
	C JX	Cloth – semi-flexible
	PC-X	Polycotton – rigid
	PC-Y	Polycotton – very rigid
	PE-Y	Polyester – very rigid
	FI	Film
	01	Structural steel, carbon steel, aluminium, nonferrous metals etc.
	02	Structural steel, carbon steel, aluminium, nonferrous metals etc.; with active additives
	03	Stainless steel, steel and soft metals; with active additives; wet and dry
	06	Structural steel, carbon steel, aluminium, nonferrous metals, wood etc.; with active additives
	07	All metals; wet and dry
	21	Paint, lacquers, composite materials, gel coat; for universal use; light with stearate layer
	22	Paint, lacquers, composites, gel coat; for universal use; aggressive with stearate layer
	35	Wood, lacquers, paint, for universal use
	41	Structural steel, carbon steel, aluminium etc.; low to medium pressure, active additives
	43	Steel, carbon steel, aluminium etc.; medium to high pressure; active additives
	45	Steel, carbon steel, stainless steel etc.; low pressure; active additives
	47	Stainless steel, high-alloy steel, hardened steel; medium to high pressure; active additives and Topsize
	48	Stainless steel, high-alloy steel, hardened steel; medium to high pressure; active additives and Topsize
	65	Stone, tiles, composites, gel coat, epoxies, glass etc.
	68	Stone; wet and dry
	93	Stainless steel, high-alloy steel, hardened steel; medium to high pressure; active additives and Topsize
	P	PREMIUM***
	B	BASIC*
ZA		Zirconium
A		Aluminium oxide
CA		Sintered aluminium oxide
C		Silicium carbide

Active additives: for cooler grinding

Topsizes: for cooler grinding on stainless steel and high-alloy steel

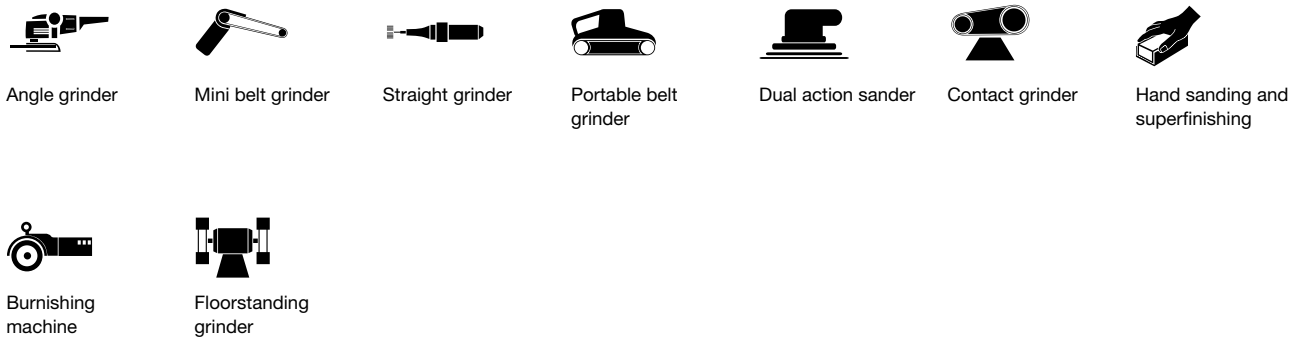
Stearate layer: reduces loading and smearing

Coated
abrasives

Flap discs product label



Machine pictograms



Colour codes

Label	Steel	INOX	2in1	Nonferrous metals
Colour code	Blue	Red	Blue	Orange
Material	Steel	Stainless steel	steel and stainless steel	Aluminium, copper, zinc, brass, bronze, stone





4.1 FLAP DISCS ANGLE GRINDER



FLAP DISCS FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the trade and industrial sectors for processing all types of metals. TYROLIT offers a comprehensive assortment of flap discs for this purpose.

Whatever the application and whichever shape you prefer: we have the right product for you.

Since TYROLIT always puts your health first, we offer flap discs with a core made from natural fibres, which can even be trimmed. Innovative and

precisely adapted to the application. That's TYROLIT for you!

On the following pages you will find the perfect tool for your requirements thanks to the uniform colour code for all materials.

Application recommendations



Performance level	Specification	Pages	Steel	Stainless steel	2in1	NF metals
PREMIUM***	A...-B	171	●			
	ZA...-B	170-175	●		●	
	CA...-B	176-178		●		
	CA...-B	179				●
	120-M	175			●	



Performance level	Specification	Pages	2in1
STANDARD**	ZA...-B	179-181	●



Performance level	Specification	Pages	2in1
BASIC*	ZA...-B	181-182	●

Items with grey lettering are only available on request.

Shapes



27A Flap disc

Depressed-centre design with fibreglass core. This shape creates the perfect angle of 15° - 20°.



28A Flap disc

Straight design with fibreglass core. This shape ensures optimum use of the abrasive cloth with a grinding angle of 0-15°.



28NF Flap disc

Core made from natural fibres for easy trimming - straight.



28S SOFTJOB Flap disc

The arrangement of the flaps differs from conventional flap discs, making it even more flexible in use.



28N Flap disc

Straight design with plastic core. This shape ensures optimum use of the abrasive cloth with a grinding angle of 0-15°. The core can also be reset in order to use up the abrasive cloth completely.

Coated abrasives

PREMIUM*** FLAP DISC LONGLIFE FOR STEEL

+ Great savings potential

100% use of the disc is guaranteed through simple trimming.

+ Environmentally-friendly

The innovative natural fibre core is completely free of fibre glass and therefore reduces the environmental load.



+ Unparalleled performance

The newly developed high-tech zircon fabric enables outstanding removal results with the longest lifetime.

The PREMIUM*** LONGLIFE is a high-performance flap disc for steel and boasts an excellent stock removal rate and the longest lifetime. A stock removal rate of more than

4,000g opens up a completely new dimension.

A natural fibre core gives the tool additional flexibility, meaning that the



PREMIUM*** LONGLIFE fits the work-piece surface perfectly and creates clean grinding transitions.

PREMIUM*** FLAP DISC LONGLIFE for steel



	Shape	Type no.	Dimension	Specification	PU
	28NF	34063393	115x22.23	ZA40-B	10
		34063394	115x22.23	ZA60-B	10
		34063396	115x22.23	ZA80-B	10
		34063397	115x22.23	ZA120-B	10
		34063388	125x22.23	ZA40-B	10
		34063389	125x22.23	ZA60-B	10
		34063390	125x22.23	ZA80-B	10
		34063391	125x22.23	ZA120-B	10
		34063398	150x22.23	ZA40-B	10
		34063399	150x22.23	ZA60-B	10
		34063400	150x22.23	ZA80-B	10

Coated abrasives

	Shape	Type no.	Dimension	Specification	PU
	 28NF	34063401	150x22.23	ZA120-B	10
		34063402	178x22.23	ZA40-B	10
		34063403	178x22.23	ZA60-B	10
		34063404	178x22.23	ZA80-B	10
		34063406	178x22.23	ZA120-B	10



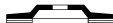
PREMIUM* FLAP DISC**

For steel



The PREMIUM*** flap disc for steel is a versatile professional tool suitable for universal grinding tasks. With this disc, users will achieve perfect surfaces on steel, as well as the best results for surface or edge grinding and deburring work.

The supporting disc is made of rigid fibre glass and is therefore ideally suited to use on powerful angle grinders.

	Shape	Type no.	Dimension	Specification	PU	
	 27A	668630	115x22.23	A40-B	10	
		668631	115x22.23	A60-B	10	
		668632	115x22.23	A80-B	10	
		668633	115x22.23	A120-B	10	
		668634	125x22.23	A40-B	10	
		668635	125x22.23	A60-B	10	
		668637	125x22.23	A80-B	10	
		896379	125x22.23	A120-B	10	
		668638	178x22.23	A40-B	10	
		668640	178x22.23	A60-B	10	
		668641	178x22.23	A80-B	10	
		75193	178x22.23	A120-B	10	
		 28A	668679	115x22.23	A40-B	10
			795077	115x22.23	A60-B	10
699984	115x22.23		A80-B	10		
642626	115x22.23		A120-B	10		
668681	125x22.23		A40-B	10		
728528	125x22.23		A60-B	10		
817672	125x22.23		A80-B	10		
817935	125x22.23		A120-B	10		
668683	178x22.23		A40-B	10		
886353	178x22.23		A60-B	10		
642627	178x22.23	A80-B	10			
642628	178x22.23	A120-B	10			

PREMIUM*** FLAP DISC LONGLIFE FOR STEEL AND STAINLESS STEEL

+ **Excellent overall abrasion**
 Offers not only a long service life, but also exceptional results in terms of abrasiveness.

+ **Robust construction**
 Through the increased number of closely spaced flaps, this disc can withstand even the highest loads.



+ **Longest lifetime**
 The PREMIUM*** LONGLIFE offers an even longer service life with consistent grinding results.

The PREMIUM*** LONGLIFE flap disc offers the longest lifetime and an excellent stock removal rate. This flap disc is used both on high alloyed

steels and stainless steel, as well as on unalloyed and low alloyed steels. Problem-free welding as well as edge and surface grinding, particu-

larly when used on powerful angle grinders.

PREMIUM*** FLAP DISC LONGLIFE for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU
	28N	680369	115x22.23	ZA40-B	10
		680373	115x22.23	ZA60-B	10
		680376	115x22.23	ZA80-B	10
		680377	115x22.23	ZA120-B	10
		680379	125x22.23	ZA40-B	10
		680380	125x22.23	ZA60-B	10
		680383	125x22.23	ZA80-B	10
		680386	125x22.23	ZA120-B	10
		680387	178x22.23	ZA40-B	10
		680388	178x22.23	ZA60-B	10
		680389	178x22.23	ZA80-B	10
		680390	178x22.23	ZA120-B	10

Coated abrasives

PREMIUM* FLAP DISC**
FASTCUT for steel and stainless steel



The PREMIUM*** FASTCUT is synonymous with excellent, specific abrasion of material. As a result, you will achieve your goal faster, and the disc will remain easy cutting and abrasive over its entire lifetime. The TYROLIT FASTCUT flap disc is the perfect tool for demanding grinding jobs, such as edge grinding and welding. It is used both on high alloyed

steels and stainless steel, as well as on unalloyed and low alloyed steels. The additional TOP SIZE coating provides cool grinding. It is also possible to use it on aluminium, to a limited extent.

	Shape	Type no.	Dimension	Specification	PU			
		27A	528580	100x16	ZA40-B	10		
		643845	100x16	ZA60-B	10			
		643846	100x16	ZA80-B	10			
		160229	115x22.23	ZA40-B	10			
		160230	115x22.23	ZA60-B	10			
		160235	115x22.23	ZA80-B	10			
		160240	125x22.23	ZA40-B	10			
		160242	125x22.23	ZA60-B	10			
		160244	125x22.23	ZA80-B	10			
		34166360	150x22.23	ZA40-B	10			
		34166362	150x22.23	ZA60-B	10			
		34166363	150x22.23	ZA80-B	10			
		160245	178x22.23	ZA40-B	10			
		160246	178x22.23	ZA60-B	10			
		160247	178x22.23	ZA80-B	10			
		28A	160249	115x22.23	ZA40-B	10		
		160251	115x22.23	ZA60-B	10			
		160252	115x22.23	ZA80-B	10			
		160254	125x22.23	ZA40-B	10			
		160255	125x22.23	ZA60-B	10			
		160256	125x22.23	ZA80-B	10			
		34166364	150x22.23	ZA40-B	10			
		34166365	150x22.23	ZA60-B	10			
		34166366	150x22.23	ZA80-B	10			
		160257	178x22.23	ZA40-B	10			
		160258	178x22.23	ZA60-B	10			
		160260	178x22.23	ZA80-B	10			
				28N	458028	115x22.23	ZA40-B	10
				458029	115x22.23	ZA60-B	10	
				458030	115x22.23	ZA80-B	10	
458034	125x22.23			ZA40-B	10			
458033	125x22.23			ZA60-B	10			
458031	125x22.23			ZA80-B	10			
458035	178x22.23			ZA40-B	10			
458038	178x22.23			ZA60-B	10			
458040	178x22.23			ZA80-B	10			



Coated abrasives

PREMIUM* FLAP DISC**
OVERLAP for steel and stainless steel



The PREMIUM*** OVERLAP is the right tool to effortlessly access hard-to-reach areas. Its flaps overlap by about 10 mm and make light work of the finishing of fillet welds, grooves and flutes.

The OVERLAP flaps also impress in terms of stock removal rate and lifetime when used on steel and stainless steel.





	Shape	Type no.	Dimension	Specification	PU
	 27A	540688	125x22.23	ZA40-B	10
		540689	125x22.23	ZA60-B	10

PREMIUM* FLAP DISC**
2in1 for steel and stainless steel






The PREMIUM*** 2in1 flap disc combines an excellent lifetime with very high specific abrasion. The TYROLIT 2in1 flap disc is used both on high alloyed steels and

stainless steel, as well as on unalloyed and low alloyed steels. Problem-free welding as well as edge and surface grinding, particularly when used on powerful angle grinders.

	Shape	Type no.	Dimension	Specification	PU
	 27N	34043471	115x22.23	ZA40-B	10
		34043472	115x22.23	ZA60-B	10
		34043473	115x22.23	ZA80-B	10
		34043474	115x22.23	ZA120-B	10
		34043475	125x22.23	ZA40-B	10
		34043476	125x22.23	ZA60-B	10
		34043477	125x22.23	ZA80-B	10
		34043478	125x22.23	ZA120-B	10
		34043479	150x22.23	ZA40-B	10
		34043480	150x22.23	ZA60-B	10
	 27A	729764	100x16	ZA40-B	10
		730559	100x16	ZA60-B	10
		730560	100x16	ZA80-B	10
		78049	100x16	ZA120-B	10
		668642	115x22.23	ZA40-B	10
		668644	115x22.23	ZA60-B	10
		668649	115x22.23	ZA80-B	10
		643803	115x22.23	ZA120-B	10
		668663	125x22.23	ZA40-B	10
		668664	125x22.23	ZA60-B	10

Coated abrasives



	Shape	Type no.	Dimension	Specification	PU			
		27A	668665	125x22.23	ZA80-B	10		
			643805	125x22.23	ZA120-B	10		
			519212	150x22.23	ZA40-B	10		
			519213	150x22.23	ZA60-B	10		
			519214	150x22.23	ZA80-B	10		
			519215	150x22.23	ZA120-B	10		
			668670	178x22.23	ZA40-B	10		
			668672	178x22.23	ZA60-B	10		
			668673	178x22.23	ZA80-B	10		
			643807	178x22.23	ZA120-B	10		
				28A	34166327	100x16	ZA40-B	10
					34166328	100x16	ZA60-B	10
					34166331	100x16	ZA80-B	10
					34166333	100x16	ZA120-B	10
668686	115x22.23	ZA40-B			10			
668687	115x22.23	ZA60-B			10			
668691	115x22.23	ZA80-B			10			
846344	115x22.23	ZA120-B			10			
668692	125x22.23	ZA40-B			10			
668693	125x22.23	ZA60-B			10			
668694	125x22.23	ZA80-B			10			
645145	125x22.23	ZA120-B			10			
668696	178x22.23	ZA40-B			10			
668697	178x22.23	ZA60-B			10			
668698	178x22.23	ZA80-B			10			
643823	178x22.23	ZA120-B			10			

PREMIUM* FLAP DISC**
COMBI for steel and stainless steel



The PREMIUM*** COMBI combines abrasive cloth and fabric in one tool. This enables two work steps to be performed in one. Material removal and simultaneous finishing of surfaces produce an optimal result. The long lifetime of the PREMIUM*** COMBI dramatically increases

economic efficiency in comparison to conventional "surface conditioning" discs. The disc has also been specially developed to achieve good results at high speeds on non-adjustable angle grinders (max. 80 m/s).

	Shape	Type no.	Dimension	Specification	PU	
		27PLCA	742167	115x22.23	120-M	5
			742168	125x22.23	120-M	5

PREMIUM★★★ FLAP DISC

CERABOND FLAP DISC FOR STAINLESS STEEL

+ **Enhanced abrasiveness**
A new, wider PREMIUM cloth and the CERABOND bond system offer high stock removal on the workpiece.

+ **Longer lifetime**
The unique bond system prevents premature grain break-out and leads to a long lifetime for the product.



+ **Enhanced economic efficiency**
Thanks to the self-sharpening ceramic grain, the CERABOND flap disc is also ideal for demanding grinding jobs.

We at TYROLIT always endeavour to bring our customers innovative products and a comprehensive assortment. For this reason, TYROLIT has now extended the CERABOND family to include the new CERAMIC flap discs.

A unique bond system combined with a high-performance PREMIUM cloth offers the user greater abrasiveness. This flap disc is particularly suitable for stainless steels and demanding grinding applications. In addition, the unique bond system prevents prema-

ture grain break-out and leads to a long product lifetime. The additional TOP SIZE coating ensures cooler grinding, allowing a longer lifetime and reducing discolouration on the workpiece surface.





PREMIUM★★★ FLAP DISC

CERABOND flap disc for stainless steel



	Shape	Type no.	Dimension	Specification	PU
	27A	34166139	100x16	CA40-B	10
		34166140	100x16	CA60-B	10
		34166161	100x16	CA80-B	10
		34043514	115x22.23	CA40-B	5
		34043515	115x22.23	CA60-B	5
		34165680	115x22.23	CA80-B	5
		34043516	125x22.23	CA40-B	5

Coated abrasives

	Shape	Type no.	Dimension	Specification	PU
	 27A	34043517	125x22.23	CA60-B	5
		34165681	125x22.23	CA80-B	5
		34166162	150x22.23	CA40-B	10
		34166163	150x22.23	CA60-B	10
		34166164	150x22.23	CA80-B	10
		34166166	178x22.23	CA40-B	5
		34166167	178x22.23	CA60-B	5
		34166168	178x22.23	CA80-B	5
	 28A	34166169	100x16	CA40-B	10
		34166170	100x16	CA60-B	10
		34166171	100x16	CA80-B	10
		34166172	115x22.23	CA40-B	5
		34166173	115x22.23	CA60-B	5
		34166174	115x22.23	CA80-B	5
		34166175	125x22.23	CA40-B	5
34166176		125x22.23	CA60-B	5	
34166177		125x22.23	CA80-B	5	
34166178		150x22.23	CA40-B	10	
34166179		150x22.23	CA60-B	10	
34166180		150x22.23	CA80-B	10	
 27N	34057966	115x22.23	CA40-B	5	
	34057967	115x22.23	CA60-B	5	
	34165677	115x22.23	CA80-B	5	
	34057968	125x22.23	CA40-B	5	
	34057969	125x22.23	CA60-B	5	
	34165679	125x22.23	CA80-B	5	



Coated abrasives

PREMIUM* FLAP DISC**
CERAMIC for Inox



Thanks to the self-sharpening ceramic abrasive grain, the PREMIUM*** CERAMIC flap disc is particularly suitable for stainless steels and demanding grinding applications. The additional TOP SIZE coating ensures cool grinding, allowing a longer

tool lifetime and reducing discolouration on the workpiece surface. Thanks to the self-sharpening characteristic of the abrasive grain, a more even surface quality is achieved over the entire lifetime of the disc.

	Shape	Type no.	Dimension	Specification	PU
	 27A	645130	115x22.23	CA40-B	10
		645132	115x22.23	CA60-B	10
		34166620	115x22.23	CA80-B	10
		645135	125x22.23	CA40-B	10

PREMIUM★★★ FLAP DISC
CERAMIC for Inox



Thanks to the self-sharpening ceramic abrasive grain, the PREMIUM*** CERAMIC flap disc is particularly suitable for stainless steels and demanding grinding applications. The additional TOP SIZE coating ensures cool grinding, allowing a longer

tool lifetime and reducing discolouration on the workpiece surface. Thanks to the self-sharpening characteristic of the abrasive grain, a more even surface quality is achieved over the entire lifetime of the disc.

	Shape	Type no.	Dimension	Specification	PU		
		27A	645137	125x22.23	CA60-B	10	
		34166671	125x22.23	CA80-B	10		
		34166673	150x22.23	CA40-B	10		
		34166678	150x22.23	CA60-B	10		
		34166680	150x22.23	CA80-B	10		
		34166681	178x22.23	CA40-B	10		
		34166685	178x22.23	CA60-B	10		
		34166686	178x22.23	CA80-B	10		
			28A	719797	115x22.23	CA40-B	10
			719798	115x22.23	CA60-B	10	
34166687	115x22.23		CA80-B	10			
719799	125x22.23		CA40-B	10			
719800	125x22.23		CA60-B	10			
34166688	125x22.23		CA80-B	10			
34166855	150x22.23		CA40-B	10			
34166857	150x22.23		CA60-B	10			
34166858	150x22.23		CA80-B	10			
34166859	178x22.23		CA40-B	10			
34166860	178x22.23	CA60-B	10				
34166861	178x22.23	CA80-B	10				
	28N	719840	115x22.23	CA40-B	10		
	719841	115x22.23	CA60-B	10			
	34166863	115x22.23	CA80-B	10			
	719846	125x22.23	CA40-B	10			
	719847	125x22.23	CA60-B	10			
	34166865	125x22.23	CA80-B	10			

Coated abrasives

PREMIUM* FLAP DISC**

For nonferrous metals



With the specification developed specifically for nonferrous metals, smearing and dulling of the flap disc is prevented. The ceramic grain promotes self-cleaning and sharpening of the disc during material abrasion.

This tool offers convenient and high-performance results on difficult-to-grind materials such as aluminium, aluminium bronze, aluminium base alloy, copper, bronze, brass and nickel silver.

	Shape	Type no.	Dimension	Specification	PU		
		27A					
		707005	115x22.23	CA40-B	10		
		707007	115x22.23	CA60-B	10		
		707008	115x22.23	CA80-B	10		
		707010	115x22.23	CA120-B	10		
		707011	125x22.23	CA40-B	10		
		707012	125x22.23	CA60-B	10		
		707013	125x22.23	CA80-B	10		
		707014	125x22.23	CA120-B	10		
		707015	178x22.23	CA40-B	10		
		707016	178x22.23	CA60-B	10		
		707017	178x22.23	CA80-B	10		
		707018	178x22.23	CA120-B	10		
				28A			
				707153	115x22.23	CA40-B	10
				707155	115x22.23	CA60-B	10
				707156	115x22.23	CA80-B	10
				707158	115x22.23	CA120-B	10
707159	125x22.23			CA40-B	10		
707160	125x22.23			CA60-B	10		
707161	125x22.23			CA80-B	10		
707163	125x22.23			CA120-B	10		
707165	178x22.23			CA40-B	10		
707166	178x22.23	CA60-B	10				
707167	178x22.23	CA80-B	10				
707168	178x22.23	CA120-B	10				

STANDARD FLAP DISC**

2in1 for steel and stainless steel



The STANDARD** 2in1 flap disc offers two advantages. On one hand it offers the user very long lifetime, on the other it guarantees very good specific abrasion.

The TYROLIT 2in1 flap disc is used both on high alloyed steels and stainless steel, as well as on unalloyed and low alloyed steels.



	Shape	Type no.	Dimension	Specification	PU
		27A			
		843806	100x16	ZA40-B	10
		455324	100x16	ZA60-B	10
		455318	100x16	ZA80-B	10
		257768	100x16	ZA120-B	10

STANDARD FLAP DISC**
2in1 for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU		
		27A	572473	115x22.23	ZA40-B	10	
		454393	115x22.23	ZA60-B	10		
		455312	115x22.23	ZA80-B	10		
		50801	115x22.23	ZA120-B	10		
		824385	125x22.23	ZA40-B	10		
		455303	125x22.23	ZA60-B	10		
		458587	125x22.23	ZA80-B	10		
		243069	125x22.23	ZA120-B	10		
		139648	150x22.23	ZA40-B	10		
		139651	150x22.23	ZA60-B	10		
		139653	150x22.23	ZA80-B	10		
		575635	150x22.23	ZA120-B	10		
		580650	178x22.23	ZA40-B	10		
		454396	178x22.23	ZA60-B	10		
		455314	178x22.23	ZA80-B	10		
		243071	178x22.23	ZA120-B	10		
			28A	537021	115x22.23	ZA40-B	10
			537084	115x22.23	ZA60-B	10	
			537089	115x22.23	ZA80-B	10	
537093	115x22.23		ZA120-B	10			
537095	125x22.23		ZA40-B	10			
537097	125x22.23		ZA60-B	10			
537110	125x22.23		ZA80-B	10			
537111	125x22.23		ZA120-B	10			
537112	178x22.23		ZA40-B	10			
537113	178x22.23		ZA60-B	10			
537114	178x22.23		ZA80-B	10			
537115	178x22.23		ZA120-B	10			
	28N		847917	115x22.23	ZA40-B	10	
	847924		115x22.23	ZA60-B	10		
	847927		115x22.23	ZA80-B	10		
	247165	115x22.23	ZA120-B	10			
	847921	125x22.23	ZA40-B	10			
	847925	125x22.23	ZA60-B	10			
	847928	125x22.23	ZA80-B	10			

Coated abrasives

	Shape	Type no.	Dimension	Specification	PU	
		28N	247366	125x22.23	ZA120-B	10
		847923	178x22.23	ZA40-B	10	
		847926	178x22.23	ZA60-B	10	
		847929	178x22.23	ZA80-B	10	
		247175	178x22.23	ZA120-B	10	



STANDARD SOFTJOB**

2in1 for steel and stainless steel



For us, the STANDARD** Softjob flap disc represents maximum flexibility for machining difficult to access areas. It has a broad application area, comprising: Surface preparation and improvement, preparation of welding work and cleaning of weld seams.

Processing of contours and profiled surfaces, processing of handrails and pipes, cleaning of surfaces, removal of rust and paint residues.

	Shape	Type no.	Dimension	Specification	PU	
		28S	246987	115x22.23	ZA40-B	10
		246988	115x22.23	ZA60-B	10	
		246990	115x22.23	ZA80-B	10	
		246994	115x22.23	ZA120-B	10	
		246995	125x22.23	ZA40-B	10	
		246996	125x22.23	ZA60-B	10	
		246998	125x22.23	ZA80-B	10	
		247001	125x22.23	ZA120-B	10	



BASIC* FLAP DISC

2in1 for steel and stainless steel



The BASIC* 2in1 flap disc offers two advantages. On one hand, it offers the user long lifetime, on the other it guarantees good specific abrasion.

The TYROLIT 2in1 flap disc is used both on high alloyed steels and stainless steel, as well as on unalloyed and low alloyed steels.

	Shape	Type no.	Dimension	Specification	PU	
		27A	474872	100x16	ZA40-B	10
		474874	100x16	ZA60-B	10	
		474875	100x16	ZA80-B	10	
		474877	100x16	ZA120-B	10	
		273884	115x22.23	ZA40-B	10	
		273810	115x22.23	ZA60-B	10	
		273871	115x22.23	ZA80-B	10	
		719788	115x22.23	ZA120-B	10	
		273872	125x22.23	ZA40-B	10	
		273873	125x22.23	ZA60-B	10	

BASIC★ FLAP DISC
2in1 for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU		
		27A	273874	125x22.23	ZA80-B	10	
			719793	125x22.23	ZA120-B	10	
			34166866	178x22.23	ZA40-B	10	
			34166867	178x22.23	ZA60-B	10	
			34166869	178x22.23	ZA80-B	10	
			34166870	178x22.23	ZA120-B	10	
			28A	34023527	100x16	ZA40-B	10
				34023528	100x16	ZA60-B	10
				34023529	100x16	ZA80-B	10
				34023530	100x16	ZA120-B	10
	320318		115x22.23	ZA40-B	10		
	320320		115x22.23	ZA60-B	10		
	320322		115x22.23	ZA80-B	10		
	719794		115x22.23	ZA120-B	10		
	320319		125x22.23	ZA40-B	10		
	320321		125x22.23	ZA60-B	10		
	320323		125x22.23	ZA80-B	10		
	719796		125x22.23	ZA120-B	10		
	34166901		178x22.23	ZA40-B	10		
	34166902		178x22.23	ZA60-B	10		
	34166903		178x22.23	ZA80-B	10		
	34166904		178x22.23	ZA120-B	10		
	28N	246870	115x22.23	ZA40-B	10		
		246871	115x22.23	ZA60-B	10		
		246872	115x22.23	ZA80-B	10		
		728649	115x22.23	ZA120-B	10		
		728650	125x22.23	ZA40-B	10		
		728657	125x22.23	ZA60-B	10		
		728659	125x22.23	ZA80-B	10		
		728661	125x22.23	ZA120-B	10		
		34166905	178x22.23	ZA40-B	10		
		34166906	178x22.23	ZA60-B	10		
		34166907	178x22.23	ZA80-B	10		
		34166908	178x22.23	ZA120-B	10		

Coated abrasives



4.2 POLISHING PROGRAM ANGLE GRINDER

Coated
abrasives



POLISHING PROGRAM FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the trade and industrial sectors for processing all types of metals. TYROLIT offers an optimally tailored package for polishing metal.

There are many suppliers of polishing accessories. But anyone who has ever polished knows how important it is that all components should be perfectly matched to one another.

With TYROLIT you can get everything you need from one source. You can tell how perfectly our products are matched from the fact that you can get a mirror finish in only three steps

– without unwanted discolouration due to overheating.

Shapes



28PCA CONDITIONING



28 PUA PRE-POLISH



28 PWA POLISH



29EL
ELASTIC RONDELLER®



Disc Polistar

Recommended speeds

PREMIUM*** CONDITIONING	PREMIUM*** PRE-POLISH	PREMIUM*** POLISH	PREMIUM*** COMBI
115 mm – 3,500 rpm	115 mm – 4,000 rpm	115 mm – 1,800 rpm	115 mm – 4,000 rpm
125 mm – 3,000 rpm	125 mm – 3,600 rpm	125 mm – 1,500 rpm	125 mm – 3,600 rpm

Polishing pastes:

- White – high gloss pre-polish (POLISH)
- Blue – high gloss polish (S-POLISH)
- Brown - special polish for nonferrous metals (POLISH-NE)

TYROLIT PREMIUM*** POLISHING PROGRAM THREE STEPS TO A PERFECT MIRROR FINISH

+ Preparation

Preparing the untreated workpiece

To prepare the untreated material and get a mirror finish, you need:

PREMIUM*** fibre discs ZA-P48 Page 201

PREMIUM*** 2in1 flap discs Page 172

STANDARD** SOFTJOB Page 181

Our recommendation: grit size 120 or 80 depending on the material

+ Step 1

Remove rough scratch marks using the PREMIUM*** CONDITIONING disc.

It removes all rough scratch marks from the surfaces to be machined.

A multi-dimensional flap design reduces clogging and prevents unwanted material discolouration.

Recommendation: “Medium” grain

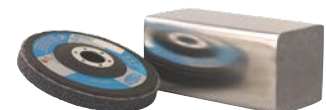


+ Step 2

Prepare for polishing with the PREMIUM*** PRE-POLISH disc

This provides optimum polishing preparation. The disc adapts flexibly to the material surface.

Recommendation: “Fine-P” grain



+ Step 3

Polish with the PREMIUM*** POLISH disc

This allows you finally to achieve a perfect mirror finish.

Different grinding pastes enable processing of different materials, such as steel, stainless steel and nonferrous metals.

Recommendation: SHF with “S-POLISH” polishing paste



PREMIUM* CONDITIONING**

For steel and stainless steel



With the PREMIUM*** CONDITIONING wheel you can remove all rough scratch marks from the surface before commencing the polishing process. The three-dimensional flap design reduces clogging of the wheel to a minimum. Using the wheel also prevents discolouration on the workpiece caused by high heat build-up.

The tool has been specially developed to achieve the best results even on non-adjustable angle grinders.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		28PCA	742155	115x22.23	COARSE	5	12,000
			742157	115x22.23	MEDIUM	5	12,000
			742158	115x22.23	VERY FINE	5	12,000
			742148	125x22.23	COARSE	5	11,000
			742153	125x22.23	MEDIUM	5	11,000
			742154	125x22.23	VERY FINE	5	11,000

PREMIUM* PRE-POLISH**

For steel and stainless steel



To prepare surfaces for polishing, you require a sturdy, high-quality tool. The PREMIUM*** PRE-POLISH comprises several layers of abrasive fabric to achieve a long lifetime and sturdiness. This allows the tool to be used for smaller deburring jobs as well.

The tool has been specially developed to achieve the best results even on non-adjustable angle grinders.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		28PUA	742379	115x22.23	MEDIUM-Q	5	12,000
			742380	115x22.23	FINE-P	5	12,000
			742381	115x22.23	VERY FINE-P	5	12,000
			742382	125x22.23	MEDIUM-Q	5	11,000
			742384	125x22.23	FINE-P	5	11,000
			742385	125x22.23	VERY FINE-P	5	11,000

PREMIUM* POLISH**

Universal use



Compared to conventional felt wheels, this product uses highly flexible flaps for optimum heat distribution and cool grinding. In doing so, the PREMIUM*** POLISH avoids undesired discolouration. Used in combination with the TYROLIT grinding paste, a perfect mirror finish is achieved on your workpiece.

The tool has been specially developed to achieve the best results even on non-adjustable angle grinders.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM	
		28PWA	742378	115x22.23	SHF	3	9,200
			742375	125x22.23	SHF	3	7,700

Coated abrasives

PREMIUM* POLISHING PASTES**
For steel, stainless steel and nonferrous metals



With the TYROLIT PREMIUM*** polishing paste in different specifications you will achieve the final mirror finish. They can be used to perform precision machining work depending on the desired surface finish.

Polishing pastes are available in three specifications. Using the POLISH (white), you will achieve a perfectly smooth finish. A achieve a high-gloss finish we recommend S-POLISH (blue) while the POLISH-NE paste is perfect for nonferrous metals.

		Type no.	Dimension	Specification	Colour	PU
	90PP	741230	30x20x90	POLISH	WHITE	2
		741285	30x20x90	POLISH-NE	BROWN	2
		741291	30x20x90	S-POLISH	BLUE	2
		741347	60x45x160	POLISH	WHITE	1
		741348	60x45x160	POLISH-NE	BROWN	1
		741349	60x45x160	S-POLISH	BLUE	1

PREMIUM*** POLISHING PROGRAM

THREE STEPS TO A MIRROR FINISH

+ Step 1

Remove rough scratch marks using the PREMIUM*** CONDITIONING disc. A multi-dimensional flap design reduces clogging and prevents unwanted material discolouration.

+ Step 2

Prepare the surface for polishing using the PREMIUM*** PRE-POLISH. The disc adapts to the material surface, providing the perfect basis for polishing.



+ Step 3

Using PREMIUM*** POLISH during the last step creates the perfect mirror finish. Different grinding pastes enable the machining of different materials.

TYROLIT Film



The product film can be found on YouTube at www.youtube.com/TYROLITgroup

With the TYROLIT POLISHING PROGRAM you can achieve the perfect high gloss surface in just a few steps. Preventing clogging of the wheels

provides an above-average lifetime. Exceptionally cool grinding due to special flaps ensures outstanding surface finishes.

Exceptionally high levels of work safety due to low heat build-up, minimal formation of dust and quiet operation.

PREMIUM★★★ POLISHING PROGRAM

Three steps to a mirror finish



With the TYROLIT POLISHING PROGRAM you can achieve the perfect high gloss surface in just a few steps. Preventing clogging of the wheels provides an above-average lifetime. Exceptionally cool grinding due to special flaps ensures outstanding surface finishes.

Exceptionally high levels of work safety due to low heat build-up, minimal formation of dust and quiet operation.

	Type no.	Shape	Dimension	Specification	Type no.	PU
	21262	28PCA	115x22.23	MEDIUM	742157	1
		28PUA	115x22.23	FINE-P	742380	1
		28PWA	115x22.23	SHF	742378	1
		90 PP	30x20x90	S-POLISH	741291	2
	52433	28PCA	125x22.23	MEDIUM	742153	1
		28PUA	125x22.23	FINE-P	742384	1
		28PWA	125x22.23	SHF	742375	1
		90 PP	30x20x90	S-POLISH	741291	2

PREMIUM★★★ POLISTAR

For stone



These Velcro fastenable ceramic polishing pads are ideal for polishing stone surfaces. The grit sizes available in the assortment, from 50 to 3000, ensure a perfect surface finish on the material.

With the PREMIUM*** POLISTAR pads, you can achieve the best results on granite, marble and terrazzo.

	Type no.	Dimension	Specification	Colour	PU	
	65A	293641	100x3	D50-B	BLACK	5
		293643	100x3	D150-B	GREEN	5
		293644	100x3	D300-B	RED	5
		293645	100x3	D500-B	BLUE	5
		293737	100x3	D1000-B	YELLOW	5
		293738	100x3	D2000-B	BEIGE	5
		293739	100x3	D3000-B	WHITE	5
	ELKUPS	293790	100x3xM14			1

PREMIUM* POLISTAR-SET**
For stone



These Velcro fastenable ceramic polishing pads are ideal for polishing stone surfaces. With the POLISTAR set, you receive 7 pads in grit sizes of 50, 150, 300, 500, 1000, 2000 and 3000, as well as a supporting disc with an M14 mounting.

With the PREMIUM*** POLISTAR pads, you can achieve the best results on granite, marble and terrazzo.

	Type no.	Contents	Dimension	PU
	293740	293641	100x3	1
		293643	100x3	1
		293644	100x3	1
		293645	100x3	1
		293737	100x3	1
		293738	100x3	1
		293739	100x3	1
		293790	100x3xM14	1

STANDARD ELASTIC RONDELLER®**
For steel and stainless steel



With the ELASTIC RONDELLER® TYROLIT provides an ideal tool for polishing and finishing. Thanks to the highly elastic grinding layer a surface improvement is achieved while protecting the material. Using a fibre glass core means it can be used on speed-controlled angle grinders.

Ideally suited to work on vehicles, containers and aeroplanes.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
		29EL	10055	115x9.0x22.23	A80-COARSE	5 5,000
			10056	115x9.0x22.23	A150-MEDIUM	5 5,000
			10058	115x9.0x22.23	A240-FINE	5 5,000

STANDARD ELASTIC RONDELLER®**
For lacquers, paints and plastics



Thanks to the highly elastic grinding layer the TYROLIT ELASTIC RONDELLER® delivers a surface improvement while protecting the material. This tool is therefore ideal for polishing and finishing. The specially developed specification delivers the best results on lacquers, paints and plastics.

Using a fibre glass core means it can be used on speed-controlled angle grinders. Ideally suited to work on vehicles, containers and aeroplanes.

	Shape	Type no.	Dimension	Specification	PU	Max. RPM
		29EL	8434	115x9.0x22.23	C80-COARSE	5 5,000
			10051	115x9.0x22.23	C150-MEDIUM	5 5,000
			10054	115x9.0x22.23	C240-FINE	5 5,000

Coated abrasives





4.3 ROUGH CLEANING WHEEL ANGLE GRINDER



ROUGH CLEANING WHEEL ANGLE GRINDER

Working with an angle grinder is one of the most important processes in the trade and industrial sectors for processing all types of metals. Would you like to remove rust, paint and varnish with a minimum of effort? Or do you need to prepare surfaces for welding, soldering or anodising?

The highly porous nylon fibres are evenly treated with aggressive abrasives and are able to meet any

challenge.

All of our rough cleaning discs resist loading or smearing and offer long

life with an even grinding pattern, but also low heat generation and quiet, stress-free working.

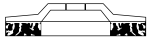
Application recommendations



Performance Level	Specification	Pages	Steel	Stainless steel	Plastic
STANDARD★★	C36-B	193	●	●	●

Items with grey lettering are only available on request.

Shapes



27GR Rough cleaning wheel
(sound insulated)

STANDARD★★ ROUGH CLEANING WHEEL (SOUND INSULATED) For steel, stainless steel and PVC



With the TYROLIT rough cleaning wheel you can effortlessly remove rust, paint, lacquer and underbody sealant from your workpiece. The porous nylon fibres, treated with aggressive abrasives, meet any challenge. At the same time, they prevent clogging or loading.

This wheel offers the user quiet, non-strenuous grinding coupled with low generation of heat.

Shape	Type no.	Dimension	Specification	PU	Max. RPM	Rec. speed	
	27 GR	898012	100x22.23	C36-B	5	12,400	9,900
	898014	115x22.23	C36-B	5	11,000	8,600	
	898017	125x22.23	C36-B	5	9,800	7,800	
	898018	178x22.23	C36-B	5	7,000	6,600	





4.4 FIBRE DISCS
ANGLE GRINDER



FIBRE DISCS ANGLE GRINDER

For quite a number of years, in the 'coated abrasives' range, TYROLIT has offered fibre discs and back up pads for all common and not-so-common grinding jobs.




Fibre discs are used when it is necessary to carry out rough grinding or derust or deburr surfaces. TYROLIT believes in the importance of flexibility and ease of use, and offers a very wide assortment for every conceivable application. Naturally the discs




come with all accessories needed for assembly.





TYROLIT has also developed a more environment-friendly version. Our JUTE DISC, made from eco-friendly jute fibre, is used without any

additional core and, being trimmable, offers maximum stock removal right to the very end. Try it for yourself!

Application recommendations

Performance Level	Specification	Pages			
			Steel	Stainless steel	NF metals
PREMIUM***	A-P02 V	205	•		•
	ZA-P43 V	200	•		
	ZA-P43 N	198	•		•
	ZA-P48 V	201-202	•	•	
	ZA-P48 N	198	•	•	
	CA-P93 V	203-204	•	•	
	CA-P93 N	199	•	•	

Performance Level	Specification	Pages			
			Steel	NF metals	Wood
BASIC★	A-B02 V	205-206	•	•	•

Performance Level	Specification	Pages				
			Steel	NF metals	Composites	Gel coat
TFC	ZA-P45 V	207	•	•	•	•
PREMIUM***	ZA-P45 P F	207	•	•	•	•

Items with grey lettering are only available on request.

Shapes



N JUTE disc



V Disc 4S
Vulcanised fibre disc



TYROLIT
Fast Change disc



PAD UNI back up pads



PAD INOX back up pads



PAD TFC back up pads
for TYROLIT Fast Change





PAD BASIC
back up pads

PREMIUM★★★ ZA-P48N JUTE DISC
For steel and stainless steel



The TYROLIT JUTE disc is a new, unique grinding wheel that combines abrasiveness with a high level of comfort while working. This tool can be used on both steel and stainless steel. The longest lifetime and an environmentally friendly jute fibre core deliver the best performance. An additional back up pad is not required, as there is already one integrated

in the product. The natural fibre core can be trimmed, giving it the edge over other discs in terms of its lifetime. This saves the user time and great expense.



	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		N Disc	706128	115x22	36	13,300	10
			205056	115x22	60	13,300	10
			706129	125x22	36	12,250	10
			205058	125x22	60	12,250	10
			706130	180x22	36	8,600	10
			205060	180x22	60	8,600	10

PREMIUM★★★ ZA-P43N JUTE DISC
For steel and nonferrous metals



The TYROLIT JUTE disc is a new, unique grinding wheel that combines abrasiveness with a high level of comfort while working. It achieves excellent results on both steel and nonferrous metals. The longest lifetime and an environmentally friendly jute fibre core deliver the best performance. An additional back up pad is not required, as there is already one integrated

in the product. The natural fibre core can be trimmed, giving it the edge over other discs in terms of its lifetime. This saves the user time and great expense.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		N Disc	706125	115x22	36	13,300	10
			706126	125x22	36	12,250	10
			706127	180x22	36	8,600	10

Coated abrasives

PREMIUM★★★ CA-PA93 N JUTE DISC FOR STEEL AND STAINLESS STEEL

+ Longest lifetime
Ceramic aluminium oxide and an additional coolant layer deliver maximum removal rates and the longest lifetime possible.

+ Extremely high stock removal rate
The high abrasiveness of the JUTE DISC means it achieves the highest stock removal rates.



+ Environmentally-friendly
The jute fibre core not only protects the environment, but also enables the disc to be trimmed.

TYROLIT Film



The product film can be found on YouTube at www.youtube.com/TYROLITgroup



The TYROLIT JUTE disc is a new, unique grinding wheel that combines abrasiveness with a high level of comfort while working thanks to a ceramic grain. The longest lifetime and an environmentally friendly jute

fibre core deliver the best performance. An additional back up pad is not required, as there is already one integrated in the product. The natural fibre core can be trimmed, giving it the edge over

other discs in terms of its lifetime. This saves the user time and great expense.

PREMIUM★★★ CA-P93 N JUTE DISC
For steel and stainless steel




	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		N Disc	712268	115x22	36	13,300	10
			712259	125x22	36	12,250	10
			712269	180x22	36	8,600	10

Coated abrasives

ACCESSORIES**JUTE DISC**

With a large distance between the disc and machine, you can machine even surfaces at a low grinding angle. Use our PREMIUM*** JUTE disc accessories to achieve this. The accessories are compatible with all disc diameters.



	Shape	Type no.	Diameter	Mounting	Max. RPM	PU
	100SFL	21381	42x22.23	M14	13,300	1

PREMIUM* ZA-P43 V VULCANISED FIBRE DISCS**

For steel



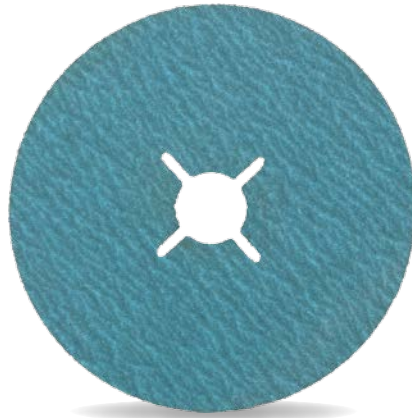
Using fibre discs is a very simple and quick solution for removing material. This fibre disc is available from our assortment in grit sizes 24 to 120. A low level of vibration means the tools are convenient to use. This fibre disc has been designed for use on steel and is made of a zirconium aluminium oxide mix.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 V Disc	706068	115x22	24	13,300	25
		706069	115x22	36	13,300	25
		706071	115x22	40	13,300	25
		706072	115x22	60	13,300	25
		706073	115x22	80	13,300	25
		706074	115x22	120	13,300	25
		706075	125x22	24	12,300	25
		706076	125x22	36	12,300	25
		706077	125x22	40	12,300	25
		706078	125x22	60	12,300	25
		706079	125x22	80	12,300	25
		706082	125x22	120	12,300	25
		706084	180x22	24	8,600	25
		706088	180x22	36	8,600	25
		706089	180x22	40	8,600	25
706090	180x22	60	8,600	25		
706091	180x22	80	8,600	25		
706092	180x22	120	8,600	25		

PREMIUM★★★ ZA-P48 V VULCANISED FIBRE DISCS FOR STEEL AND STAINLESS STEEL

+ **Longest lifetime**
Resistant zirconium aluminium oxide and a coolant layer deliver maximum removal rates and the longest lifetime.

+ **Maximum economic efficiency**
Excellent price-performance ratio



+ **Very good finish**
To achieve the best possible surface finish, the backing thickness has been optimised, particularly for fine grains.



Using fibre discs is a very simple and quick solution for removing material. A low level of vibration means the tools are convenient to use. This fibre

disc has been designed for use on steel and stainless steel, and is made of a zirconium aluminium oxide mix.

This fibre disc is available from our assortment in grit sizes 36 to 120.

PREMIUM★★★ ZA-P48 V VULCANISED FIBRE DISCS For steel and stainless steel





	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		V Disc	34162979	115x22	24	13,300	25
		34162980	115x22	36	13,300	25	
		34162981	115x22	40	13,300	25	
		34162982	115x22	60	13,300	25	
		34162983	115x22	80	13,300	25	
		34162985	115x22	120	13,300	25	
		34162987	125x22	24	12,300	25	
		34162988	125x22	36	12,300	25	
		34162989	125x22	40	12,300	25	
		34162990	125x22	60	12,300	25	
		34163011	125x22	80	12,300	25	
		34163012	125x22	120	12,300	25	

PREMIUM★★★ ZA-P48 V VULCANISED FIBRE DISCS

For steel and stainless steel



	Shape	Type no.	Diameter	Grain	Max. RPM	PU
		34163013	180x22	24	8,600	25
		34163014	180x22	36	8,600	25
		34163015	180x22	40	8,600	25
		34163020	180x22	60	8,600	25
		34163021	180x22	80	8,600	25
		34163022	180x22	120	8,600	25
		34163024	115x22	24	13,300	50
		34163025	115x22	36	13,300	50
		34163026	115x22	40	13,300	50
		34163888	115x22	60	13,300	50
		34163889	115x22	80	13,300	50
		34163890	115x22	120	13,300	50
		34163902	125x22	24	12,300	50
		34163903	125x22	36	12,300	50
		34163905	125x22	40	12,300	50
		34163906	125x22	60	12,300	50
		34163908	125x22	80	12,300	50
34163910	125x22	120	12,300	50		
34163911	180x22	24	8,600	50		
34163912	180x22	36	8,600	50		
34163913	180x22	40	8,600	50		
34163914	180x22	60	8,600	50		
34163915	180x22	80	8,600	50		
34163917	180x22	120	8,600	50		

Coated
abrasives

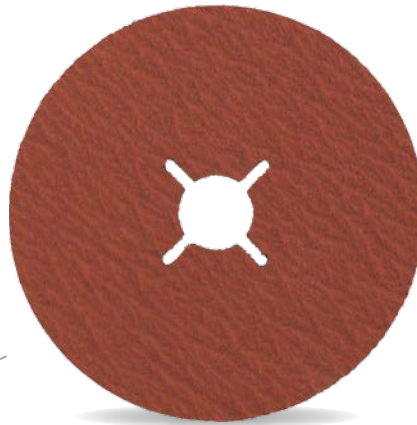
PREMIUM★★★ CA-P93 V VULCANISED FIBRE DISCS FOR STEEL AND STAINLESS STEEL

+ **Maximum abrasiveness**

Ceramic aluminium oxide delivers maximum removal rates and the longest lifetime.

+ **Longest lifetime**

An additional layer of active coolants increases the lifetime and reduces heat build-up while grinding is performed on different materials.



+ **Strong backing**

The 0.86 mm thick backing holds the grain in place, thus ensuring maximum abrasiveness.

Using fibre discs is a very simple and quick solution for removing material. A low level of vibration means the tools are convenient to use. This fibre

disc has been designed for use on steel and stainless steel, and is made of a ceramic aluminium oxide mix.

This fibre disc is available from our assortment in grit sizes 36 to 120.

PREMIUM★★★ CA-P93 V VULCANISED FIBRE DISCS

For steel and stainless steel





	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		V Disc	34163955	115x22	24	13,300	25
		706107	115x22	36	13,300	25	
		34163957	115x22	40	13,300	25	
		706108	115x22	60	13,300	25	
		706109	115x22	80	13,300	25	
		706110	115x22	120	13,300	25	
		34163958	125x22	24	12,300	25	
		706111	125x22	36	12,300	25	
		34163959	125x22	40	12,300	25	
		706114	125x22	60	12,300	25	
		706116	125x22	80	12,300	25	
		706117	125x22	120	12,300	25	

PREMIUM★★★ CA-P93 V VULCANISED FIBRE DISCS

For steel and stainless steel





	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		V Disc	34164002	180x22	24	8,600	25
		706119	180x22	36	8,600	25	
		34164004	180x22	40	8,600	25	
		706120	180x22	60	8,600	25	
		706123	180x22	80	8,600	25	
		706124	180x22	120	8,600	25	
		34163992	115x22	24	13,300	50	
		34163993	115x22	36	13,300	50	
		34163994	115x22	40	13,300	50	
		34163995	115x22	60	13,300	50	
		34163997	115x22	80	13,300	50	
		34163998	115x22	120	13,300	50	
		34163999	125x22	24	12,300	50	
		34164000	125x22	36	12,300	50	
		34164011	125x22	40	12,300	50	
		34164012	125x22	60	12,300	50	
		34164013	125x22	80	12,300	50	
		34164014	125x22	120	12,300	50	
		34164015	180x22	24	8,600	50	
		34164017	180x22	36	8,600	50	
34164018	180x22	40	8,600	50			
34164019	180x22	60	8,600	50			
34164020	180x22	80	8,600	50			
34164031	180x22	120	8,600	50			

PREMIUM★★★ A-P02 V VULCANISED FIBRE DISCS
For steel and aluminium





Using fibre discs is a very simple and quick solution for removing material. This fibre disc is available from our assortment in grit sizes 24 to 120. A low level of vibration means the tools are convenient to use. This fibre disc has been designed for general use and is made of an aluminium oxide mix. It can be used for outstanding results on steel and nonferrous metals.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 V Disc	706049	115x22	24	13,300	25
		706050	115x22	36	13,300	25
		706051	115x22	40	13,300	25
		706052	115x22	60	13,300	25
		706053	115x22	80	13,300	25
		706054	115x22	120	13,300	25
		706055	125x22	24	12,300	25
		706056	125x22	36	12,300	25
		706057	125x22	40	12,300	25
		706058	125x22	60	12,300	25
		706059	125x22	80	12,300	25
		706060	125x22	120	12,300	25
		706061	180x22	24	8,600	25
		706063	180x22	36	8,600	25
		706064	180x22	40	8,600	25
		706065	180x22	60	8,600	25
		706066	180x22	80	8,600	25
706067	180x22	120	8,600	25		

BASIC★ A-B02 V VULCANISED FIBRE DISCS
For steel, aluminium and wood



Using fibre discs is a very simple and quick solution for removing material. This fibre disc is available from our assortment in grit sizes 16 to 120. A low level of vibration means the tools are convenient to use. This fibre disc has been designed for universal use and is made of an aluminium oxide mix.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 V Disc	150465	115x22	16	13,300	25
		706024	115x22	24	13,300	25
		706025	115x22	36	13,300	25
		706026	115x22	40	13,300	25
		706027	115x22	60	13,300	25

BASIC★ A-B02 V VULCANISED FIBRE DISCS

For steel, aluminium and wood



Using fibre discs is a very simple and quick solution for removing material. A low level of vibration means the tools are convenient to use. This fibre disc has been designed for universal use and is made of an aluminium oxide mix. This fibre disc is available from our assortment in grit sizes 16 to 120.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		V Disc	706028	115x22	80	13,300	25
			150467	115x22	100	13,300	25
			706029	115x22	120	13,300	25
			150468	125x22	16	12,300	25
			706030	125x22	24	12,300	25
			706031	125x22	36	12,300	25
			706032	125x22	40	12,300	25
			706033	125x22	60	12,300	25
			706034	125x22	80	12,300	25
			150469	125x22	100	12,300	25
			706035	125x22	120	12,300	25
			150473	180x22	16	8,600	25
			706036	180x22	24	8,600	25
			706037	180x22	36	8,600	25
			706038	180x22	40	8,600	25
			706039	180x22	60	8,600	25
			706047	180x22	80	8,600	25
			706048	180x22	120	8,600	25

ACCESSORIES

For FIBRE DISCS



With our PREMIUM*** back up pads you will obtain the best support for the highest demands. Regardless of whether you choose a hard or very hard backing, you can influence the stock removal rate on the workpiece.

Thanks to the special design, you will benefit from constant air circulation, preventing heat build-up on the workpiece and the tool.

	Shape	Type no.	Diameter	Mounting	Grade	Max. RPM	PU	
		PAD INOX	709989	115x22	M14	VERY HARD	13,300	5
			709991	125x22	M14	VERY HARD	12,300	5
		PAD UNI	709992	115x22	M14	HARD	13,300	5
			709993	125x22	M14	HARD	12,300	5
			709994	180X22	M14	HARD	8,600	5



Coated abrasives

ACCESSORIES

For FIBRE DISCS



The BASIC* back up pad is a good supplement to all our fibre discs. The accessories offer good support in achieving the best results for the surface finish.

	Shape	Type no.	Diameter	Mounting	Grade	Max. RPM	PU	
		PAD BASIC	709995	115x22	M14	HARD	13,300	5
			709997	125x22	M14	HARD	12,300	5
			709998	180X22	M14	HARD	8,600	5
			709999	115x22	5/8"	HARD	13,300	5
			710002	125x22	5/8"	HARD	12,300	5
			710005	180X22	5/8"	HARD	8,600	5



PREMIUM* ZA-P45* | ZA-P45 P F TYROLIT FAST CHANGE**

For steel, nonferrous metals, composites and gel coat



TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. The TFC grinding wheel, developed for steel and other material grinding and finishing, is made of zirconium with active coolants. This enables cool, clean grinding to be performed on the workpiece.

Thanks to the thin fibre backing with grit 40 and strong paper backing the TFC is the optimal tool for removing smaller welding and spot weld seams.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		Disc	706135*	115	40	12,300	50
			706136	115	60	12,300	50
			706137	115	80	12,300	50
			706138	115	120	12,300	50
			706139*	125	40	10,500	50
			706141	125	60	10,500	50
			706142	125	80	10,500	50
			706143	125	120	10,500	50

* Fibre backing



PREMIUM* ACCESSORIES**

For TYROLIT FAST CHANGE



The TFC back up pad has been developed to allow grinding wheels with Velcro fastenings to be used for grinding tougher materials and for finishing. The high-quality product design enables it to be used on different

materials, including wood and paints. The back up pad is characterised by easy handling and mounting on speed-controlled angle grinders.

	Shape	Type no.	Diameter	Mounting	Grade	Max. RPM	PU	
		PAD TFC	710006	115	M14	HARD	13,300	5
			710007	125	M14	HARD	12,300	5





GWS 14-125 CIT
Professional

**4.5 SCM - SURFACE
CONDITIONING MATERIAL
ANGLE GRINDER**

Coated
abrasives



SCM DISCS FOR ANGLE GRINDERS

Working with an angle grinder is one of the most important processes in the trade and industrial sectors for processing all types of metals. TYROLIT now offers the SCM product assortment for use with angle grinders as well.

Surface Conditioning Material discs combine excellent cutting ability with long tool life, so that you can achieve optimum surface quality. This saves you two or three work steps. From simple deburring work without workpiece deformation to perfect

surface finishing, SCM can be used universally.

With a wide range of grain sizes, from extra coarse to very fine, TYROLIT products are suitable for many different applications. Our discs offer

another special feature: thanks to the removable centre hole, our discs can be mounted on the three most popular back up pads. Try it for yourself!

Application recommendations



Performance level	Specification	Pages	All in One
PREMIUM★★★	Extra coarse, coarse, Extra medium, medium, very fine	212-213	●

Items with grey lettering are only available on request.

SCM disc assembly

SCM discs are designed for use on an angle grinder and are available in the popular diameters 115 – 178 mm, from extra coarse to very fine.

Cleverly designed: Thanks to the removable centre hole, each of these discs can be used on all three of the supporting discs in our range.



Coated abrasives

Colours

	Extra coarse	Coarse	Extra Medium	Medium	Very fine
Front					
Back					

Shapes



DISC SCM disc

PREMIUM★★★ SCM

UNIVERSAL USE

+ Reduces working times

The working time is significantly reduced through the long lifetime and the saving of one to three work steps.

+ Noticeable cost reduction

Fewer work steps also means reduced tool costs.



+ One disc, three options

Thanks to the removable centre hole, this disc can also be mounted on three different back up pads.

With the new TYROLIT SCM program, we are now taking a further step towards economic efficiency. With SCM, the machining time of the workpiece can now be greatly reduced. A saving of one to three work steps is thus the key benefit.

Thanks to the quick and high stock removal rate, applications such as the reduction of surface roughness, removal of discolouration, smoothing of surfaces and the cleaning and removal of weld seams can be realised. Another advantage of SCM lies in the



deburring of tool edges without additional stock removal. Furthermore, the TYROLIT SCM program is yielding the best results in terms of lifetime, which in turn is evidence of the economic efficiency of these products.

PREMIUM★★★ SCM

Universal use



Shape	Type no.	Dimension	Design	Colour	Max. RPM	Rec. RPM	PU	
 	Disc	34047714	115x22	EXTRA COARSE	DARK BROWN / PURPLE	13,000	8-9,000	20
	34047715	115x22	COARSE	BROWN	13,000	8-9,000	20	
	34047716	115x22	EXTRA MEDIUM	DARK BROWN / PURPLE	13,000	8-9,000	20	
	34047720	115x22	MEDIUM	RED	13,000	8-9,000	20	
	34047722	115x22	VERY FINE	BLUE	13,000	8-9,000	20	
	34047724	125x22	EXTRA COARSE	DARK BROWN / PURPLE	12,000	7-8,500	20	
	34047727	125x22	COARSE	BROWN	12,000	7-8,500	20	
	34047730	125x22	EXTRA MEDIUM	DARK BROWN / PURPLE	12,000	7-8,500	20	
	34047732	125x22	MEDIUM	RED	12,000	7-8,500	20	
	34047733	125x22	VERY FINE	BLUE	12,000	7-8,500	20	

	Shape	Type no.	Dimension	Design	Colour	Max. RPM	Rec. RPM	PU
		Disc 34047734	178x22	EXTRA COARSE	DARK BROWN / PURPLE	8,500	5-6,000	20
		34047735	178x22	COARSE	BROWN	8,500	5-6,000	20
		34047736	178x22	EXTRA MEDIUM	DARK BROWN / PURPLE	8,500	5-6,000	20
		34047755	178x22	MEDIUM	RED	8,500	5-6,000	20
		34047757	178x22	VERY FINE	BLUE	8,500	5-6,000	20



PREMIUM★★★ ACCESSORIES

For SCM discs



The intelligent design of our SCM discs enables them to be used on all the back up pads available in our assortment. The removable centre hole of the SCM disc enables the disc to be fitted to the back up pad in a self-centring position.

The discs and back up pads are designed for use on the angle grinder in all common diameters from 115 to 178 mm.

	Shape	Type no.	Diameter	Mounting	Grade	Max. RPM	PU
		PAD SCM 34050524	115x22	M14	MEDIUM	13,000	1
		34050525	125x22	M14	MEDIUM	12,000	1
		34050358	115	M14	MEDIUM	13,000	1
		34050359	125	M14	MEDIUM	12,000	1
		34050509	178	M14	MEDIUM	8,500	1





4.6 QUICK-CHANGE DISCS MINI ANGLE GRINDER

Coated
abrasives





QUICK CHANGE DISCS MINI ANGLE GRINDER

Quick Change Discs are easy to use, without assembly tools being required. Easy handling on the mini angle grinder saves you a lot of time in your day-to-day work and increases your productivity.

A comprehensive assortment offers high-quality products for general grinding work, including fine surface finishing.






Two different mountings cover the main fixing systems. Type R can be used for Lockit, PowerLock III and






Roloc TR mountings, type S for So-cAtt, PowerLock II and Roloc TSM.




Another special feature of the S type mounting is that it is made from nylon, making it immune to rust and other types of contamination.

TYROLIT offers Quick Change Discs in a wide range of grit sizes for different materials. Take a look at our wide-ranging assortment and see for yourself.

Application recommendations

Performance Line	Specification	Pages	    				
			Steel	Stainless steel	NF metals	PVC	Wood
QUICK-CHANGE DISCS PREMIUM ★★★	A-P01 PE Y	221	•		•	•	•
	ZA-P43 PC X	218	•				
	ZA-P48 PE Y	219	•	•			
	CA-P93 PE Y	220-221	•	•			

Performance Line	Pages	    				
		Steel	Stainless steel	NF metals	PVC	Wood
SCM QUICK-CHANGE DISCS PREMIUM ★★★	222	•	•	•	•	•

Performance Line	Pages	  		
		Steel	Stainless steel	PVC
ROUGH GRINDING WHEEL PREMIUM ★★★	223	•	•	•

Items with grey lettering are only available on request.

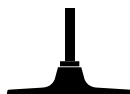
Formen



QDisc-R



QDisc-S



Pad Q-Disc

Coated abrasives



PREMIUM★★★ ZA-P43 PC X QUICK-CHANGE DISC

For steel



With TYROLIT QUICK CHANGE DISCS you can save time and thus increase productivity. They provide easy handling and can be used without the need for any additional mounting tools. These QUICK CHANGE DISCS are specially designed for general grinding tasks on steel.

Our two different types cover the main mounting systems.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 QDisc-R	116061	50	36	25,000	50
		116065	50	40	25,000	50
		116097	50	60	25,000	50
		116111	50	80	25,000	50
		116115	50	120	25,000	50
		116127	75	36	20,000	25
		116130	75	40	20,000	25
		116143	75	60	20,000	25
		116152	75	80	20,000	25
		116156	75	120	20,000	25

PREMIUM★★★ ZA-P48 PE Y QUICK-CHANGE DISC

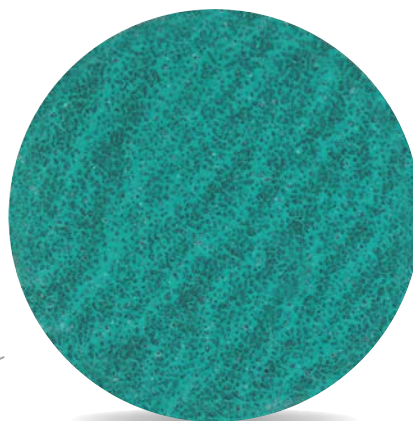
FOR STEEL AND STAINLESS STEEL

+ Maximum stock removal rates

Thanks to its high level of abrasiveness, you can achieve high stock removal on the workpiece.

+ Longest lifetime

The robust three-layer design and reduced grain break-out make this a durable and efficient tool.



+ Broad assortment

The discs are available in two diameters with different mounting types. Grit sizes 36 to 120 are suitable for all grinding tasks.




With TYROLIT QUICK CHANGE DISCS you can save a considerable amount of time. This specification delivers maximum stock removal rates

at the same time as a long lifetime. This is achieved by combining the zirconium and ceramic aluminium oxide with a three-layer product structure.

In addition, this product also delivers a high level of stability, low grain break-out and enhanced edge stability.

PREMIUM* ZA-P48 PE Y QUICK-CHANGE DISC**
 For steel and stainless steel



Shape	Type no.	Diameter	Grain	Max. RPM	PU	
	 QDisc-R	112398	50	24	25,000	50
		112401	50	36	25,000	50
		112406	50	40	25,000	50
		112411	50	60	25,000	50
		112413	50	80	25,000	50
		112418	50	120	25,000	50
		112432	75	24	20,000	25
		112438	75	36	20,000	25
		112440	75	40	20,000	25
		112447	75	60	20,000	25
		112449	75	80	20,000	25
		112452	75	120	20,000	25
 QDisc-S		112455	50	24	25,000	50
		112469	50	36	25,000	50
		112471	50	40	25,000	50
		112486	50	60	25,000	50
		112493	50	80	25,000	50
		112494	50	120	25,000	50
		112505	75	24	20,000	25
		112510	75	36	20,000	25
		112514	75	40	20,000	25
		112527	75	60	20,000	25
		112532	75	80	20,000	25
		112536	75	120	20,000	25

Coated abrasives

PREMIUM★★★ CA-P93 PE Y QUICK-CHANGE DISC FOR STEEL AND STAINLESS STEEL

+ **Maximum stock removal rates**
Thanks to its high level of abrasiveness, you can achieve high stock removal on the workpiece.

+ **Longest lifetime**
The robust three-layer design and reduced grain break-out make this a durable and efficient tool.



+ **Broad assortment**
The discs are available in two diameters with different mounting types. Grit sizes 36 to 120 are suitable for all grinding tasks.



With TYROLIT QUICK CHANGE DISCS you can save a considerable amount of time. This specification delivers maximum stock removal rates



at the same time as a long lifetime. This is achieved by combining the zirconium and ceramic aluminium oxide with a three-layer product structure.

In addition, this product also delivers a high level of stability, low grain break-out and enhanced edge stability.

PREMIUM★★★ CA-P93 PE Y QUICK-CHANGE DISC For steel and stainless steel



	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 QDisc-R	112917	50	36	25,000	50
		112918	50	40	25,000	50
		112923	50	60	25,000	50
		112924	50	80	25,000	50
		112928	50	120	25,000	50
		112934	75	36	20,000	25
		112935	75	40	20,000	25
		112937	75	60	20,000	25
		112947	75	80	20,000	25
		112948	75	120	20,000	25

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 QDisc-S	112950	50	36	25,000	50
		112961	50	40	25,000	50
		112988	50	60	25,000	50
		113007	50	80	25,000	50
		113023	50	120	25,000	50
		113026	75	36	20,000	25
		113027	75	40	20,000	25
		113031	75	60	20,000	25
		113057	75	80	20,000	25
		113059	75	120	20,000	25




PREMIUM★★★ A-PO1 PE Y QUICK-CHANGE DISC

For steel, nonferrous metals, plastic and wood



With TYROLIT QUICK CHANGE DISCS you can save time and increase productivity. They provide easy handling and can be used without the need for any additional mounting tools. Our QUICK CHANGE DISC assortment includes discs for general grinding tasks on any material.

Our two different types cover the main mounting systems.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
	 QDisc-R	111562	50	24	25,000	50
		111567	50	36	25,000	50
		111570	50	40	25,000	50
		111577	50	60	25,000	50
		111584	50	80	25,000	50
		111585	50	120	25,000	50
		111611	75	24	20,000	25
		111631	75	36	20,000	25
		112203	75	40	20,000	25
		112204	75	60	20,000	25
		112205	75	80	20,000	25
		112242	75	120	20,000	25
		 QDisc-S	112253	50	24	25,000
112254	50		36	25,000	50	
112268	50		40	25,000	50	
112273	50		50	25,000	50	
112279	50		60	25,000	50	
112283	50		80	25,000	50	
112298	50		120	25,000	50	
112308	50		180	25,000	50	
112309	75		24	20,000	25	

PREMIUM* A-PO1 PE Y QUICK-CHANGE DISC**
 For steel, nonferrous metals, plastic and wood



With TYROLIT QUICK CHANGE DISCS you can save time and increase productivity. They provide easy handling and can be used without the need for any additional mounting tools. Our QUICK CHANGE DISC assortment includes discs for general grinding tasks on any material.

Our two different types cover the main mounting systems.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
		112312	75	36	20,000	25
		112320	75	40	20,000	25
		112322	75	50	20,000	25
		112337	75	60	20,000	25
		112339	75	80	20,000	25
		112359	75	120	20,000	25

PREMIUM*** SCM QUICK-CHANGE DISC

FOR STEEL, STAINLESS STEEL, NON-FERROUS METALS, PLASTIC AND WOOD

+ **Reduces working times**
 The working time is significantly reduced through the long lifetime and the saving of one to three work steps.

+ **Noticeable cost reduction**
 Fewer work steps also means reduced tool costs.



+ **Comprehensive assortment**
 The SCM range currently includes discs in the most varied of sizes and specifications.

With the new TYROLIT SCM program, we are now taking a further step towards economic efficiency. Simple handling and mounting save you time. With SCM, the machining time of the workpiece can now be

greatly reduced. A saving of one to three work steps is thus the key benefit.

Thanks to the quick and high stock removal rate, applications such as

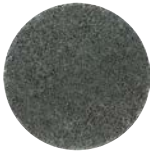


the reduction of surface roughness, removal of discolouration, smoothing of surfaces and the cleaning and removal of weld seams can be realised.

Coated abrasives

PREMIUM★★★ SCM QUICK-CHANGE DISC

For steel, stainless steel, nonferrous metals, plastic and wood



Shape	Type no.	Diameter	Design	Colour	Max. RPM	Rec. speed	PU	
	 QDisc-R	34072695	50	EXTRA COARSE	DARK BROWN / PURPLE	25,000	16,000	50
		112543	50	COARSE	BROWN	25,000	16,000	50
		34072696	50	EXTRA MEDIUM	DARK BROWN / PURPLE	25,000	16,000	50
		112546	50	MEDIUM	RED	25,000	16,000	50
		112550	50	VERY FINE	BLUE	25,000	16,000	50
		34072700	75	EXTRA COARSE	DARK BROWN / PURPLE	20,000	13,000	25
		112551	75	COARSE	BROWN	20,000	13,000	25
		34072701	75	EXTRA MEDIUM	DARK BROWN / PURPLE	25,000	13,000	25
		112581	75	MEDIUM	RED	20,000	13,000	25
		112588	75	VERY FINE	BLUE	20,000	13,000	25
	QDisc-S	112589	50	COARSE	BROWN	25,000	16,000	50
		112590	50	MEDIUM	RED	25,000	16,000	50
		112591	50	VERY FINE	BLUE	25,000	16,000	50
		112592	75	COARSE	BROWN	20,000	13,000	25
		112593	75	MEDIUM	RED	20,000	13,000	25
		112599	75	VERY FINE	BLUE	20,000	13,000	25



PREMIUM★★★ ROUGH CLEANING WHEEL

For steel, stainless steel and PVC



With the TYROLIT rough cleaning wheel for mini angle grinders you can effortlessly remove rust, paint, lacquer and underbody sealant. The porous nylon fibres, treated with aggressive abrasives, meet any challenge. At the same time, it prevents smearing and loading of the disc.

This wheel offers the user quiet, non-strenuous grinding coupled with low generation of heat.



Shape	Type no.	Diameter	Design	Colour	Max. RPM	Rec. speed	PU	
	 QDisc-R	112602	50	COARSE	BLACK	10,500	7,000	20
		112603	75	COARSE	BLACK	7,000	4,000	10

PREMIUM★★★ ACCESSORIES

For QUICK-CHANGE DISCS



These accessories enable QUICK CHANGE DISCS to be easily and safely mounted on your mini angle grinder. The accessories are available in the common sizes of 50 and 75 mm diameter.

	Shape	Type no.	Dimension	Grade	Mounting	Max. RPM	PU
		PAD Q-DISC 131779	50-6x40	MEDIUM	R	25,000	1
		131783	75-6x40	MEDIUM	R	20,000	1
		131784	50-6x40	MEDIUM	S	25,000	1
		131786	75-6x40	MEDIUM	S	20,000	1



STANDARD★★ QUICK-CHANGE MINIDISC

2in1 for steel and stainless steel



The STANDARD** Minidisc was specially developed for machining and refining difficult to access places. Every disc is fitted with a quick fixing system which enables fast and convenient tool changes.

The MINIDISC is also a 2in1 rough grinding wheel and is therefore equally suitable for steel and stainless steel.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU
		QDisc-R 679662	50	40	30,000	10
		666221	50	60	30,000	10
		679663	50	80	30,000	10
		679664	50	120	30,000	10
		666276	75	40	20,000	10
		666279	75	60	20,000	10
		666280	75	80	20,000	10
		666421	75	120	20,000	10



STANDARD** SOFTJOB

2in1 for steel and stainless steel



For us, the STANDARD** SOFTJOB Q-Disc represents maximum flexibility for machining difficult to access areas. It has a broad application area, comprising: Surface preparation and improvement, preparation of welding work and cleaning of weld seams,

processing of contours and profiled surfaces, processing of handrails and pipes, cleaning of surfaces, removal of rust and paint residues.

	Shape	Type no.	Diameter	Grain	Max. RPM	PU	
		QDisc-R	246982	50	40	30,000	10
		246984	50	60	30,000	10	
		246985	50	80	30,000	10	
		246986	50	120	30,000	10	
		289327	75	40	20,000	10	
		289329	75	60	20,000	10	
		289330	75	80	20,000	10	





4.7 SPIRAL BELTS STRAIGHT GRINDER



SPIRAL BELTS STRAIGHT GRINDER

Straight grinders are used when you need to work precisely in hard-to-reach locations. TYROLIT spiral belts provide the help you need for every task. They're precise, yet flexible.

Our spiral belts allow you to work quickly and neatly on every type of metal, both ferrous and nonferrous. Applications range from simple deburring, to precision work, to the shaping of complex workpieces.

With many different grit sizes available, a wide range of possibilities is open to you. Naturally TYROLIT also offers suitable accessories for easy assembly on straight grinders.

Application recommendations



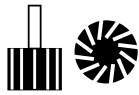
Performance Level	Specification	Pages	Steel	Stainless steel	NF metals
PREMIUM ★★★	ZA-P43 PC X	230-231	●	●	●

Items with grey lettering are only available on request.

Shapes



Spiral Spiral belt



SBH Accessories



PREMIUM★★★ ZA-P43 PC X SPIRAL BELTS



For steel, stainless steel and aluminium



TYROLIT spiral belts are used for fine grinding and deburring work, as well as shaping complex workpieces. The combination of zirconium and an additional coolant enables them to be used on many different materials. The variety of grit sizes available means they can be used for very high stock removal or fine grinding.

The spiral belts can easily be mounted on an axle or an expandable mandrel. Accessories also form part of our assortment.

	Shape	Type no.	Dimension	Grain	Max. RPM	PU	
		Spiral	706514	10x20	50	36,000	50
		706515	10x20	60	36,000	50	
		706516	10x20	80	36,000	50	
		706517	10x20	120	36,000	50	
		706519	13x25	50	36,000	50	
		706520	13x25	60	36,000	50	
		706521	13x25	80	36,000	50	
		706523	13x25	120	36,000	50	
		706524	15x30	36	36,000	50	
		706525	15x30	50	36,000	50	
		706526	15x30	60	36,000	50	
		706527	15x30	80	36,000	50	
		706528	15x30	120	36,000	50	
		706529	19x25	36	30,000	50	
		706530	19x25	50	30,000	50	
		706531	19x25	60	30,000	50	
		706533	19x25	80	30,000	50	
		706534	19x25	120	30,000	50	
		706535	22x20	36	26,000	50	
		706536	22x20	50	26,000	50	
		706537	22x20	60	26,000	50	
		706538	22x20	80	26,000	50	
		706539	22x20	120	26,000	50	
		706540	25x25	36	24,000	50	
706541	25x25	50	24,000	50			
706542	25x25	60	24,000	50			
706543	25x25	80	24,000	50			
706544	25x25	120	24,000	50			

	Shape	Type no.	Dimension	Grain	Max. RPM	PU	
		Spiral	706545	30x30	36	19,100	50
		706546	30x30	50	19,100	50	
		706547	30x30	60	19,100	50	
		706548	30x30	80	19,100	50	
		706550	30x30	120	19,100	50	
		706551	38x25	36	15,000	50	
		706552	38x25	50	15,000	50	
		706553	38x25	60	15,000	50	
		706555	38x25	80	15,000	50	
		706557	38x25	120	15,000	50	
		706558	45x30	36	12,700	50	
		706559	45x30	50	12,700	50	
		706560	45x30	60	12,700	50	
		706561	45x30	80	12,700	50	
		706562	45x30	120	12,700	50	
		706563	51x25	36	11,200	50	
		706564	51x25	50	11,200	50	
		706565	51x25	60	11,200	50	
		706566	51x25	80	11,200	50	
		706567	51x25	120	11,200	50	
		706568	60x30	36	9,500	50	
		706569	60x30	50	9,500	50	
		706570	60x30	60	9,500	50	
		706571	60x30	80	9,500	50	
		706573	60x30	120	9,500	50	
		706574	75x30	36	7,600	50	
		706575	75x30	50	7,600	50	
		706576	75x30	60	7,600	50	
706577	75x30	80	7,600	50			
706578	75x30	120	7,600	50			



PREMIUM★★★ ACCESSORIES

For spiral belts



This expandable rubber support has been specially designed for use with spiral belts. Expanding the flaps on the support enables the spiral belt to be fixed, ensuring it is safe and easy to mount.

These accessories are suitable for all spiral belts in our assortment.

	Shape		Type no.	Dimesnion	Max. RPM	PU
		SBH	710011	10x20-6x40	44,000	5
			710012	13x25-6x40	44,000	5
			710013	15x30-6x40	36,000	5
			710014	19x25-6x40	30,000	5
			710015	22x20-6x40	26,000	5
			710016	25x25-6x40	24,000	5
			710017	30x30-6x40	19,100	5
			710018	38x25-6x40	15,000	5
			710022	45x30-6x40	12,700	5
			710023	51x25-6x40	11,200	5
			710025	60x30-6x40	9,500	5
			710026	75x30-6x40	7,600	5



4.8 ROUGH CLEANING WHEELS
STRAIGHT GRINDER



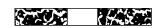
ROUGH CLEANING WHEELS STRAIGHT GRINDER

Straight grinders are used when you need to work precisely in hard-to-reach locations. Would you like to remove rust, paint and varnish with a minimum of effort? Or do you need to prepare surfaces for welding, soldering or anodising?

The highly porous nylon fibres are evenly treated with aggressive abrasives and are able to meet any challenge. All of our rough cleaning discs resist loading or

smearing and offer long life with an even grinding pattern, but also low heat generation and quiet, stress-free working.

Shapes



1GR Rough cleaning wheel

Application recommendations

Performance Line	Specification	Pages	Steel	Stainless steel	Plastic steel
STANDARD ★★	C36-B	235	●	●	●

Items with grey lettering are only available on request.

Coated abrasives



STANDARD★★ ROUGH CLEANING WHEELS

For steel, stainless steel and PVC



With the TYROLIT rough cleaning wheel you can effortlessly remove rust, paint, lacquer and underbody sealant from your workpiece. The porous nylon fibres, treated with aggressive abrasives, meet any challenge. At the same time, they prevent clogging or loading.

This wheel offers the user quiet, non-strenuous grinding coupled with low generation of heat. When using the longer clamping spike, two 1GR can be clamped providing a greater contact area and faster progress.


	Shape		Type no.	Dimension	Specification	PU
		1GR	898048	75x13x8	C36-B	5
			898044	100x13x13	C36-B	5
			898051	150x13x13	C36-B	5
			943167	180x13x13	C36-B	5
			943168	200x13x13	C36-B	5

ACCESSORIES

For rough cleaning wheel



These accessories enable the 1GR rough cleaning wheel to be clamped onto straight grinders. Easy handling and the highest possible levels of safety are guaranteed for the operator. Please observe the maximum permissible speed of your tool.

		Type no.	Dimension	Specification	PU
	100SS	905335	S6/H8/L67	SS596	1
		905336	S6/H13/L52	SS597	1
		905337	S8/H13/L67	SS598	1



HYROLIT

4.9 SPINDLE-MOUNTED FLEECE FLAP WHEELS AND MOUNTED FLAP WHEELS STRAIGHT GRINDER

Coated
abrasives








SPINDLE-MOUNTED FLEECE FLAP WHEELS AND MOUNTED FLAP WHEELS FOR STRAIGHT GRINDERS

Straight grinders are used when you need to work precisely in hard-to-reach locations. Especially when used in conjunction with TYROLIT spindle-mounted fleece flap wheels and mounted flap wheels, they are a flexible tool for producing optimum workpiece contours.

The fan-shaped, abrasive grain flaps of the mounted flap wheels allow precise work on all surfaces. They can be used not only on electrical but also on pneumatic straight grinders. The TYROLIT assortment also includes a large number of spin-

dle-mounted fleece flap wheels in different shapes and designs. They are highly adaptable and ensure that no changes occur to the surface integrity. Spindle-mounted fleece flap wheels are available with or without embedded abrasive.

Application recommendations

Performance Level	Pages	 Steel	 Stainless steel	 NF metals
MOUNTED FLAP WHEELS PREMIUM***	242-246	•	•	•
MOUNTED FLAP WHEELS BASIC*	247-248	•	•	•
SPINDLE-MOUNTED FLEECE FLAP WHEELS PREMIUM***	240-241	•	•	•

Items with grey lettering are only available on request.

Shapes



52 VL Spindle-mounted fleece flap wheels



52 LAVL Spindle-mounted fleece flap wheels



552 LA Mounted flap wheels

PREMIUM* FLEECE FLAP WHEELS SPINDLE MOUNTED**




For steel, stainless steel and nonferrous metals





TYROLIT spindle-mounted fleece flap wheels are highly adaptable and ensure that no changes occur to the surface integrity. The TYROLIT Premium*** assortment has now been extended by 29 types in order to be able to offer you different grains and new dimensions.

Different surface structures and roughnesses can be achieved through the

variety of grain gradings. TYROLIT spindle-mounted fleece flap wheels are also available with inlaid coated abrasive, so that higher stock removal can be achieved and a coarser surface integrity created.

Shape	Type no.	Dimension	Grain	Design	Max. RPM	Rec. speed	PU	
	 52 LA VL	570473	40x20 6x40		A COARSE	9,000	7,500	10
		908708	40x20 6x40		A MEDIUM	9,000	7,500	10
		908712	40x20 6x40		A FINE	9,000	7,500	10
		388126	40x20 6x40		A VERY FINE	9,000	7,500	10
		136087	50x30 6x40		A MEDIUM	8,000	6,000	10
		136090	50x30 6x40		A VERY FINE	8,000	6,000	10
		908854	50x50 6x40		A MEDIUM	8,000	6,000	10
		570485	60x30 6x40		A COARSE	7,000	5,000	10
		908784	60x30-6x40		A MEDIUM	7,000	5,000	10
		908794	60x30-6x40		A FINE	7,000	5,000	10
		908795	60x30-6x40		A VERY FINE	7,000	5,000	10
		34054620	60x50 6x40		A COARSE	7,000	5,000	10
		908710	60x50 6x40		A MEDIUM	7,000	5,000	10
		908715	60x50 6x40		A FINE	7,000	5,000	10
		34054651	60x50 6x40		A VERY FINE	7,000	5,000	10
		908862	80x50 6x40		A COARSE	6,000	4,000	10
		372339	80x50 6x40		C MEDIUM	6,000	4,000	10
		908711	80x50-6x40		A MEDIUM	6,000	4,000	10
		908717	80x50-6x40		A FINE	6,000	4,000	10
		908796	80x50-6x40		A VERY FINE	6,000	4,000	10
 52LA VL-C	34053446	40x20 6x40	60	A COARSE	9,000	7,500	10	
	908775	40x20 6x40	80	A MEDIUM	9,000	7,500	10	
	908779	40x20 6x40	150	A FINE	9,000	7,500	10	
	34053447	50x30 6x40	60	A COARSE	8,000	6,000	10	
	136161	50x30 6x40	80	A MEDIUM	8,000	6,000	10	
	457370	50x30 6x40	150	A FINE	8,000	6,000	10	
	136164	50x30 6x40	240	A VERY FINE	8,000	6,000	10	

Shape	Type no.	Dimension	Grain	Design	Max. RPM	Rec. speed	PU	
		52LA VL-C 148718	50x50 6x40	120	A MEDIUM	8,000	6,000	10
		148722	50x50 6x40	240	A VERY FINE	8,000	6,000	10
		263249	60x30 6x40	60	A COARSE	7,000	5,000	10
		910902	60x30-6x40	80	A MEDIUM	7,000	5,000	10
		908780	60x30 6x40	150	A FINE	7,000	5,000	10
		908821	60x30 6x40	240	A VERY FINE	7,000	5,000	10
		136168	60x40 6x40	80	A MEDIUM	7,000	5,000	10
		136173	60x40 6x40	240	A VERY FINE	7,000	5,000	10
		34054652	60x50 6x40	60	A COARSE	7,000	5,000	10
		34054655	60x50 6x40	80	A MEDIUM	7,000	5,000	10
		34054658	60x50 6x40	150	A FINE	7,000	5,000	10
		239448	80x30 6x40	240	A VERY FINE	6,000	4,000	10
		908871	80x50 6x40	60	A COARSE	6,000	4,000	10
		910864	80x50-6x40	80	A MEDIUM	6,000	4,000	10
		136193	80x50 6x40	120	A MEDIUM	6,000	4,000	10
		910853	80x50-6x40	150	A FINE	6,000	4,000	10
		908823	80x50-6x40	240	A VERY FINE	6,000	4,000	10
		908872	100x50 6x40	60	A COARSE	4,000	3,000	10
		910890	100x50 6x40	80	A MEDIUM	4,000	3,000	10
		908826	100x50 6x40	150	A FINE	4,000	3,000	10
908825	100x50-6x40	240	A VERY FINE	4,000	3,000	10		

PREMIUM★★★ MOUNTED FLAP WHEELS

FOR STEEL, STAINLESS STEEL AND NONFERROUS METALS

+ High flexibility

Greater precision is made possible as the flaps adjust flexibly to the contours of each workpiece.

+ Universal use

TYROLIT mounted flap wheels can be used on both pneumatic and electric machines for different materials.



+ Less work required

The grinding of small and difficult-to-reach areas, for example in container construction and apparatus engineering, is not a problem for TYROLIT mounted flap wheels.

These tools adapt optimally to every workpiece contour thanks to their flexibility. The radially arranged flaps of the mounted flap wheels can be



used on various materials and permit precise work for different applications, such as matting, pre-polishing and the cleaning of surfaces.



The highly flexible flaps also make light work of machining hard-to-reach areas.

PREMIUM★★★ MOUNTED FLAP WHEELS

For steel, stainless steel and nonferrous metals





	Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU
		52LA-C					
		909383	10x10-3x40	80	35,000	26,000	10
		909385	10x10-3x40	120	35,000	26,000	10
		661085	10x10 3x40	150	35,000	26,000	10
		49856	20x10 6x40	60	30,000	20,000	10
		816831	20x10-6x40	80	30,000	20,000	10
		816833	20x10-6x40	120	30,000	20,000	10
		619800	20x10 6x40	150	30,000	20,000	10
816843	20x10 6x40	180	30,000	20,000	10		



Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	886805	25x15 6x40	60	26,000	18,000	10
		816846	25x15 6x40	80	26,000	18,000	10
		816847	25x15 6x40	120	26,000	18,000	10
		909388	30x5-6x40	60	26,000	16,000	10
		909390	30x5-6x40	80	26,000	16,000	10
		909393	30x5-6x40	120	26,000	16,000	10
		909396	30x10 3x40	60	26,000	16,000	10
		909397	30x10-3x40	80	26,000	16,000	10
		909398	30x10-3x40	120	26,000	16,000	10
		816854	30x10 3x40	150	26,000	16,000	10
		909400	30x10 3x40	240	26,000	16,000	10
		959241	30x10 6x40	40	26,000	16,000	10
		816855	30x10-6x40	60	26,000	16,000	10
		816871	30x10-6x40	80	26,000	16,000	10
		816872	30x10-6x40	120	26,000	16,000	10
		816873	30x10-6x40	150	26,000	16,000	10
		909405	30x10-6x40	180	26,000	16,000	10
		816874	30x10-6x40	240	26,000	16,000	10
		816875	30x10-6x40	320	26,000	16,000	10
		939107	30x15 6x40	40	26,000	16,000	10
		816880	30x15-6x40	60	26,000	16,000	10
		816893	30x15-6x40	80	26,000	16,000	10
		816905	30x15-6x40	120	26,000	16,000	10
		816906	30x15 6x40	150	26,000	16,000	10
		667198	30x15 6x40	180	26,000	16,000	10
		909404	30x15 6x40	240	26,000	16,000	10
		432975	30x15 6x40	320	26,000	16,000	10
		82070	40x10 6x40	40	20,000	13,000	10
		648425	40x10 6x40	60	20,000	13,000	10
		82078	40x10 6x40	80	20,000	13,000	10
		82079	40x10 6x40	120	20,000	13,000	10
		910558	40x15 6x40	40	20,000	13,000	10
		816907	40x15-6x40	60	20,000	13,000	10
	816908	40x15-6x40	80	20,000	13,000	10	

PREMIUM* MOUNTED FLAP WHEELS**

For steel, stainless steel and nonferrous metals





Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	816909	40x15-6x40	120	20,000	13,000	10
		816911	40x15-6x40	150	20,000	13,000	10
		678198	40x15 6x40	180	20,000	13,000	10
		816912	40x15 6x40	240	20,000	13,000	10
		816913	40x15 6x40	320	20,000	13,000	10
		816914	40x20-6x40	40	20,000	13,000	10
		816915	40x20-6x40	60	20,000	13,000	10
		816916	40x20-6x40	80	20,000	13,000	10
		816918	40x20-6x40	120	20,000	13,000	10
		816919	40x20-6x40	150	20,000	13,000	10
		897078	40x20 6x40	180	20,000	13,000	10
		816920	40x20 6x40	240	20,000	13,000	10
		816921	40x20 6x40	320	20,000	13,000	10
		82117	50x10 6x40	60	16,000	11,000	10
		909362	50x10 6x40	80	16,000	11,000	10
		82125	50x10 6x40	120	16,000	11,000	10
		34053444	50x10 6x40	240	16,000	11,000	10
		82127	50x15 6x40	40	16,000	11,000	10
		816922	50x15-6x40	60	16,000	11,000	10
		816923	50x15-6x40	80	16,000	11,000	10
		816924	50x15-6x40	120	16,000	11,000	10
		816925	50x15 6x40	150	16,000	11,000	10
		816926	50x15 6x40	240	16,000	11,000	10
		816927	50x15 6x40	320	16,000	11,000	10
		816928	50x20-6x40	40	16,000	11,000	10
		816931	50x20-6x40	60	16,000	11,000	10
		816933	50x20-6x40	80	16,000	11,000	10
		816934	50x20-6x40	120	16,000	11,000	10
		848563	50x20-6x40	180	16,000	11,000	10
		816939	50x20-6x40	320	16,000	11,000	10

Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	910574	50x30-6x40	40	16,000	11,000	10
		816940	50x30-6x40	60	16,000	11,000	10
		816941	50x30-6x40	80	16,000	11,000	10
		816942	50x30-6x40	120	16,000	11,000	10
		816943	50x30 6x40	150	16,000	11,000	10
		433019	50x30 6x40	180	16,000	11,000	10
		433020	50x30 6x40	240	16,000	11,000	10
		910572	50x30 6x40	320	16,000	11,000	10
		910587	60x15 6x40	40	13,500	9,000	10
		816949	60x15-6x40	60	13,500	9,000	10
		816950	60x15-6x40	80	13,500	9,000	10
		816951	60x15 6x40	120	13,500	9,000	10
		816952	60x15 6x40	150	13,500	9,000	10
		910579	60x15 6x40	240	13,500	9,000	10
		910707	60x20 6x40	40	13,500	9,000	10
		816953	60x20-6x40	60	13,500	9,000	10
		816954	60x20-6x40	80	13,500	9,000	10
		816955	60x20-6x40	120	13,500	9,000	10
		816956	60x20-6x40	150	13,500	9,000	10
		433039	60x20 6x40	180	13,500	9,000	10
		816957	60x20 6x40	240	13,500	9,000	10
		816958	60x20-6x40	320	13,500	9,000	10
		817011	60x30-6x40	40	13,500	9,000	10
		816959	60x30-6x40	60	13,500	9,000	10
		816960	60x30-6x40	80	13,500	9,000	10
		816961	60x30-6x40	120	13,500	9,000	10
		816962	60x30-6x40	150	13,500	9,000	10
		909368	60x30 6x40	180	13,500	9,000	10
		816963	60x30 6x40	240	13,500	9,000	10
		816964	60x30 6x40	320	13,500	9,000	10
	817012	60x40-6x40	40	13,500	9,000	10	
	816965	60x40-6x40	60	13,500	9,000	10	
	816966	60x40-6x40	80	13,500	9,000	10	
	816967	60x40-6x40	120	13,500	9,000	10	
	816968	60x40 6x40	150	13,500	9,000	10	
	816969	60x40 6x40	240	13,500	9,000	10	

PREMIUM* MOUNTED FLAP WHEELS**

For steel, stainless steel and nonferrous metals



Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	816971	60x50 6x40	40	13,500	9,000	10
		816972	60x50-6x40	60	13,500	9,000	10
		816973	60x50 6x40	80	13,500	9,000	10
		816974	60x50 6x40	120	13,500	9,000	10
		910718	80x15 6x40	60	10,000	6,000	10
		82256	80x15 6x40	80	10,000	6,000	10
		82257	80x15 6x40	120	10,000	6,000	10
		816976	80x20 6x40	60	10,000	6,000	10
		816977	80x20 6x40	80	10,000	6,000	10
		816978	80x20 6x40	120	10,000	6,000	10
		910722	80x30-6x40	40	10,000	6,000	10
		816981	80x30-6x40	60	10,000	6,000	10
		816982	80x30-6x40	80	10,000	6,000	10
		816983	80x30-6x40	120	10,000	6,000	10
		816984	80x30-6x40	150	10,000	6,000	10
		433068	80x30 6x40	180	10,000	6,000	10
		915573	80x30 6x40	240	10,000	6,000	10
		910720	80x30 6x40	320	10,000	6,000	10
		816985	80x40-6x40	60	10,000	6,000	10
		816986	80x40-6x40	80	10,000	6,000	10
		816987	80x40 6x40	120	10,000	6,000	10
		816989	80x40 6x40	240	10,000	6,000	10
		87910	80x50 6x40	40	10,000	6,000	10
		816990	80x50-6x40	60	10,000	6,000	10
		816991	80x50-6x40	80	10,000	6,000	10
		816992	80x50 6x40	120	10,000	6,000	10
		816993	80x50 6x40	150	10,000	6,000	10
		817001	80x50 6x40	240	10,000	6,000	10
		817003	80x50 6x40	320	10,000	6,000	10



BASIC★ MOUNTED FLAP WHEELS

For steel, stainless steel and nonferrous metals



The BASIC★ mounted flap wheels adapt well to every workpiece contour thanks to their flexibility. The radially arranged flaps of the mounted flap wheels can be used on various materials and permit precise work for different applications, such as matting, pre-polishing and the cleaning of surfaces.



The highly flexible flaps also make light work of machining hard-to-reach areas.

Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	34054618	30x10 6x40	40	26,000	16,000	10
		34054619	30x10 6x40	60	26,000	16,000	10
		34054737	30x10 6x40	80	26,000	16,000	10
		34054660	30x10 6x40	120	26,000	16,000	10
		34054738	30x10 6x40	180	26,000	16,000	10
		34054739	40x15 6x40	40	20,000	13,000	10
		34054751	40x15 6x40	60	20,000	13,000	10
		34054753	40x15 6x40	80	20,000	13,000	10
		34054754	40x15 6x40	120	20,000	13,000	10
		34054758	40x15 6x40	180	20,000	13,000	10
		34054759	40x20 6x40	40	20,000	13,000	10
		34054760	40x20 6x40	60	20,000	13,000	10
		34054783	40x20 6x40	80	20,000	13,000	10
		34054784	40x20 6x40	120	20,000	13,000	10
		34054785	40x20 6x40	180	20,000	13,000	10
		34054786	50x15 6x40	40	16,000	11,000	10
		34054787	50x15 6x40	60	16,000	11,000	10
		34054788	50x15 6x40	80	16,000	11,000	10
		34054789	50x15 6x40	120	16,000	11,000	10
		34054801	50x20 6x40	40	16,000	11,000	10
		34054805	50x20 6x40	60	16,000	11,000	10
		34054809	50x20 6x40	80	16,000	11,000	10
34054812	50x20 6x40	120	16,000	11,000	10		
34054813	50x20 6x40	180	16,000	11,000	10		
34054814	50x30 6x40	40	16,000	11,000	10		
34054817	50x30 6x40	60	16,000	11,000	10		
34054820	50x30 6x40	80	16,000	11,000	10		
34054831	50x30 6x40	120	16,000	11,000	10		
34054832	50x30 6x40	180	16,000	11,000	10		

BASIC★ MOUNTED FLAP WHEELS

For steel, stainless steel and nonferrous metals



Shape	Type no.	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	52LA-C	34054834	60x20 6x40	40	13,500	9,000	10
		34054836	60x20 6x40	60	13,500	9,000	10
		34054837	60x20 6x40	80	13,500	9,000	10
		34054839	60x20 6x40	120	13,500	9,000	10
		34054840	60x20 6x40	180	13,500	9,000	10
		34054852	60x30 6x40	40	13,500	9,000	10
		34054854	60x30 6x40	60	13,500	9,000	10
		34054855	60x30 6x40	80	13,500	9,000	10
		34054856	60x30 6x40	120	13,500	9,000	10
		34054857	60x30 6x40	180	13,500	9,000	10
		34054858	80x30 6x40	40	10,000	6,000	10
		34054860	80x30 6x40	60	10,000	6,000	10
		34054861	80x30 6x40	80	10,000	6,000	10
		34054862	80x30 6x40	120	10,000	6,000	10
		34054863	80x30 6x40	180	10,000	6,000	10



4.10 BELTS
BELT GRINDER



BELTS

FOR MINI BELT GRINDERS, PORTABLE BELT GRINDERS AND CONTACT GRINDERS

In this chapter you will find belts for metal and wood processing in different sizes for mini belt grinders, portable belt grinders and large, stationary contact grinders.

Depending on the application, we have the right belt for an optimum result, whether you need long life, maximum stock removal or a perfect surface finish. With their high stock removal rate, belts with embedded ceramic grain offer a quick and easy

way of grinding metal. We also offer products with a range of flexible underlays and additional coatings. These allow you to work on harder materials, such as stainless steel, alloys, structural steel and non-ferrous metals. They can also be used

with woods, paints and lacquers. TYROLIT coated abrasives have been developed with particular applications in mind and thus achieve the best possible results in day-to-day use.

Shapes



Belt 1
For mini belt grinders



Belt 2
For portable belt grinders



Belt 3
For contact grinders

Belt joints




TYROLIT belts are available with two different belt joints.




JTS (Joint Tape Straight) mainly for metal processing


JOT (Joint Overlap Top) mainly for wood processing



Application recommendations

Performance Level	Specification	Pages	 Steel	 Stainless steel	 NF metals
PREMIUM***	ZA-P41 PC X	252-253, 258-260	●		●
	ZA-P43 PE Y	260	●		●
	ZA-P47 PA Y	252-253	●	●	
	CA-P93 PE Y	257	●	●	

Performance	Specification	Pages	 Steel	 Plastic	 Wood
BASIC*	A-B06 PC X	255-256	●	●	●

Performance	Specification	Pages	 All in One
SCM BELTS PREMIUM***		254.261	●

Items with grey lettering are only available on request.



PREMIUM* ZA-P48 PE Y / ZA-P41 PC X MINI BELTS**



For steel, stainless steel and aluminium



The Premium*** belts have been specially designed for the mini belt grinder and prevent grain break outs on the tool due to their special curvature. A good stock removal rate and long lifetime allow consistent results to be delivered in shorter working hours. Our belts are easy to handle and mount.

TYROLIT mini belts can be used on all steel, stainless steel and nonferrous metals.

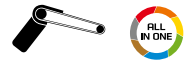
Shape	Type no.	Dimension	Grain	Connection	PU
  Belt 1	706281	6x533	40	JTS	20
	706282	6x533	60	JTS	20
	706283	6x533	80	JTS	20
	706284	6x533	120	JTS	20
	706285	6x610	40	JTS	20
	706286	6x610	60	JTS	20
	706290	6x610	80	JTS	20
	706291	6x610	120	JTS	20
	706292	9x533	40	JTS	20
	706293	9x533	60	JTS	20
	706295	9x533	80	JTS	20
	706299	9x533	120	JTS	20
	706300	10x330	40	JTS	20
	706301	10x330	60	JTS	20
	706302	10x330	80	JTS	20
	706303	10x330	120	JTS	20
706305	12x330	40	JTS	20	
706306	12x330	60	JTS	20	
706307	12x330	80	JTS	20	
706308	12x330	120	JTS	20	
706309	12x457	40	JTS	20	
706310	12x457	60	JTS	20	
706311	12x457	80	JTS	20	
706312	12x457	120	JTS	20	
706313	12x533	40	JTS	20	
706314	12x533	60	JTS	20	
706315	12x533	80	JTS	20	
706316	12x533	120	JTS	20	

Shape		Type no.	Dimension	Grain	Connection	PU	
		Belt 1	706317	13x455	40	JTS	20
		706318	13x455	60	JTS	20	
		706320	13x455	80	JTS	20	
		706323	13x455	120	JTS	20	
		706324	13x610	40	JTS	20	
		706325	13x610	60	JTS	20	
		706327	13x610	80	JTS	20	
		706328	13x610	120	JTS	20	
		706329	15x475	40	JTS	20	
		706330	15x475	60	JTS	20	
		706331	15x475	80	JTS	20	
		706333	15x475	120	JTS	20	
		706336*	20x480	40	JTS	20	
		706337*	20x480	60	JTS	20	
		706338*	20x480	80	JTS	20	
		706340*	20x480	120	JTS	20	
		706341*	20x520	40	JTS	20	
		706342*	20x520	60	JTS	20	
		706343*	20x520	80	JTS	20	
		706344*	20x520	120	JTS	20	
		706345*	29x533	40	JTS	20	
		706346*	29x533	60	JTS	20	
		706347*	29x533	80	JTS	20	
		706348*	29x533	120	JTS	20	

* ZA-P41 PC X

PREMIUM★★★ SCM BELTS

Universal use

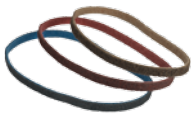



With belts from the TYROLIT SCM range, TYROLIT is taking another step towards economic efficiency. The machining time of the workpiece can now be greatly reduced. A saving of one to three work steps is thus the key benefit.

Thanks to the quick and high stock removal rate, applications such as the

reduction of surface roughness, removal of discolouration, smoothing of surfaces and the cleaning and removal of weld seams can be realised.

In addition, the TYROLIT SCM range boasts the best results in terms of lifetime.

	Shape	Type no.	Dimension	Design	Connection	Colour	PU	
		Belt 1	34047759	6x457	COARSE	JTS	BROWN	20
		34047771	6x457	MEDIUM	JTS	RED	20	
		34047772	6x457	VERY FINE	JTS	BLUE	20	
		34047773	6x610	COARSE	JTS	BROWN	20	
		34047774	6x610	MEDIUM	JTS	RED	20	
		34047775	6x610	VERY FINE	JTS	BLUE	20	
		34047776	12x520	COARSE	JTS	BROWN	20	
		34047777	12x520	MEDIUM	JTS	RED	20	
		34047779	12x520	VERY FINE	JTS	BLUE	20	
		34047780	13x457	COARSE	JTS	BROWN	20	
		34047784	13x457	MEDIUM	JTS	RED	20	
		34047785	13x457	VERY FINE	JTS	BLUE	20	
		34047789	13x610	COARSE	JTS	BROWN	20	
		34047790	13x610	MEDIUM	JTS	RED	20	
		34047792	13x610	VERY FINE	JTS	BLUE	20	
		34047794	19x457	COARSE	JTS	BROWN	10	
		34047796	19x457	MEDIUM	JTS	RED	10	
		34047797	19x457	VERY FINE	JTS	BLUE	10	
		34047798	19x520	COARSE	JTS	BROWN	10	
		34047799	19x520	MEDIUM	JTS	RED	10	
34047800	19x520	VERY FINE	JTS	BLUE	10			
34047814	30x533	COARSE	JTS	BROWN	10			
34047815	30x533	MEDIUM	JTS	RED	10			
34049667	30x533	VERY FINE	JTS	BLUE	10			



BASIC★ A-B06 PC X BELTS

Universal use



The BASIC★ belts for the portable belt grinder can be used universally, but are most commonly used on wood. They are suited to this use as they comprise aluminium oxide and polycotton backing. A special grain coating prevents loading of the belts when grinding soft materials, such as wood and paints.



This delivers a good grinding power and long lifetime. Simple handling and mounting save extra working time.

	Shape	Type no.	Dimension	Grain	Connection	PU
		Belt 2				
		706349	40x305	40	JOT	20
		706350	40x305	60	JOT	20
		706351	40x305	80	JOT	20
		706352	40x305	120	JOT	20
		706353	60x400	40	JOT	10
		706354	60x400	60	JOT	10
		706356	60x400	80	JOT	10
		706361	60x400	100	JOT	10
		706362	60x400	120	JOT	10
		706363	65x410	40	JOT	10
		706364	65x410	60	JOT	10
		706365	65x410	80	JOT	10
		706366	65x410	100	JOT	10
		706367	65x410	120	JOT	10
		706368	75x457	40	JOT	10
		706369	75x457	60	JOT	10
		706370	75x457	80	JOT	10
		706371	75x457	100	JOT	10
		706372	75x457	120	JOT	10
		706375	75x480	40	JOT	10
		706376	75x480	60	JOT	10
		706377	75x480	80	JOT	10
		706380	75x480	100	JOT	10
		706381	75x480	120	JOT	10
		706383	75x533	40	JOT	10
		706384	75x533	60	JOT	10
		706385	75x533	80	JOT	10
706386	75x533	100	JOT	10		
706387	75x533	120	JOT	10		

BASIC★ A-B06 PC X BELTS

Universal use



	Shape	Type no.	Dimension	Grain	Connection	PU
	 Belt 2	706388	100x552	40	JOT	10
		706393	100x552	60	JOT	10
		706394	100x552	80	JOT	10
		706395	100x552	100	JOT	10
		706397	100x552	120	JOT	10
		706398	100x560	40	JOT	10
		706399	100x560	60	JOT	10
		706401	100x560	80	JOT	10
		706402	100x560	100	JOT	10
		706403	100x560	120	JOT	10
		706404	100x610	40	JOT	10
		706405	100x610	60	JOT	10
		706406	100x610	80	JOT	10
		706407	100x610	100	JOT	10
		706408	100x610	120	JOT	10
		706409	100x620	40	JOT	10
		706410	100x620	60	JOT	10
		706411	100x620	80	JOT	10
		706413	100x620	100	JOT	10
706414	100x620	120	JOT	10		
706415	110x620	40	JOT	10		
706416	110x620	60	JOT	10		
706417	110x620	80	JOT	10		
706418	110x620	100	JOT	10		
706419	110x620	120	JOT	10		

PREMIUM*** CA-P93 PE Y BELTS FOR STEEL AND STAINLESS STEEL

+ Reduced load

The high abrasiveness of the belts means that the operator can apply less pressure.

+ Consistent surface result

Even grinding surface pattern thanks to uniform easy-cutting ceramic grain.



+ Maximum abrasiveness

The ceramic PREMIUM*** belts achieve the highest values in terms of abrasiveness and therefore offer the greatest possible stock removal rate.

Belts with self-sharpening ceramic grain offer a high stock removal rate on steel and stainless steel. Thanks

to this self-sharpening effect, an even surface quality is achieved over the entire lifetime of the abrasive belts.

Moreover, the composition of the abrasive belt reduces effort for the operator as less pressure is required.

PREMIUM*** CA-P93 PE Y BELTS

For steel and stainless steel



	Shape	Type no.	Dimension	Grain	Connection	PU
		34168478	75x2000	24	JTS	10
		34168479	75x2000	36	JTS	10
		34168480	75x2000	40	JTS	10
		34168481	75x2000	60	JTS	10
		34168482	75x2000	80	JTS	10
		34168483	75x2000	120	JTS	10



PREMIUM* ZA-P47 PC Y BELTS**

For steel and stainless steel



Due to the hard zirconium used in these PREMIUM*** belts they are ideal for very high pressure and deliver above-average stock removal rates. Active coolants reduce the generation of heat while grinding. This high-performance product equipped with durable polyester backing has been developed for demanding steel and stainless steel applications.

These products are mainly used for dry applications.

	Shape	Type no.	Dimension	Grain	Connection	PU
	 Belt 3	706437	50x2000	36	JTS	10
		706438	50x2000	60	JTS	10
		706441	50x2000	80	JTS	10
		706442	50x2000	120	JTS	10
		706473	75x2000	36	JTS	10
		706474	75x2000	60	JTS	10
		706475	75x2000	80	JTS	10
		706477	75x2000	120	JTS	10



PREMIUM* ZA-P41 PC X BELTS**



For steel and nonferrous metals



This high-performance product equipped with durable polyester has been developed for demanding steel and nonferrous metal applications. Combined with hard zirconium, these belts are ideal for very high pressure and deliver above-average stock removal rates. Active coolants reduce the generation of heat while grinding.

Another special feature is that the product can also be used wet with oil, emulsion or water and still delivers optimal results.

	Shape	Type no.	Dimension	Grain	Connection	PU
	 Belt 3	706420	50x1000	40	JTS	10
		706421	50x1000	60	JTS	10
		706422	50x1000	80	JTS	10
		706424	50x1000	120	JTS	10
		706426	50x2000	40	JTS	10
		706428	50x2000	60	JTS	10
		706429	50x2000	80	JTS	10
		706430	50x2000	120	JTS	10
		706443	50x2500	40	JTS	10
		706444	50x2500	60	JTS	10
		706446	50x2500	80	JTS	10
		706447	50x2500	120	JTS	10

	Shape	Type no.	Dimension	Grain	Connection	PU
		Belt 3				
		706449	50x3000	40	JTS	10
		706450	50x3000	60	JTS	10
		706451	50x3000	80	JTS	10
		706452	50x3000	120	JTS	10
		706453	50x3500	40	JTS	10
		706454	50x3500	60	JTS	10
		706455	50x3500	80	JTS	10
		706456	50x3500	120	JTS	10
		706457	50x4000	40	JTS	10
		706459	50x4000	60	JTS	10
		706460	50x4000	80	JTS	10
		706461	50x4000	120	JTS	10
		706463	75x2000	40	JTS	10
		706464	75x2000	60	JTS	10
		706465	75x2000	80	JTS	10
		706466	75x2000	120	JTS	10
		706478	75x2250	40	JTS	10
		706480	75x2250	60	JTS	10
		706481	75x2250	80	JTS	10
		706482	75x2250	120	JTS	10
		706483	75x2500	40	JTS	10
		706484	75x2500	60	JTS	10
		706489	75x2500	80	JTS	10
		706492	75x2500	120	JTS	10
		706493	100x915	40	JTS	10
		706494	100x915	60	JTS	10
		706497	100x915	80	JTS	10
		706499	100x915	120	JTS	10
		706500	100x1000	40	JTS	10
		706501	100x1000	60	JTS	10
		706502	100x1000	80	JTS	10
		706503	100x1000	120	JTS	10

PREMIUM★★★ ZA-P41 PC X BELTS

For steel and nonferrous metals



This high-performance product equipped with durable polyester has been developed for demanding steel and nonferrous metal applications. Combined with hard zirconium, these belts are ideal for very high pressure and deliver above-average stock removal rates. Active coolants reduce the generation of heat while grinding.

Another special feature is that the product can also be used wet with oil, emulsion or water and still delivers optimal results.

	Shape	Type no.	Dimension	Grain	Connection	PU
		706504	150x2000	40	JTS	10
		706506	150x2000	60	JTS	10
		706507	150x2000	80	JTS	10
		706508	150x2000	120	JTS	10
		706509	150x2500	40	JTS	10
		706511	150x2500	60	JTS	10
		706512	150x2500	80	JTS	10
		706513	150x2500	120	JTS	10

PREMIUM★★★ ZA-P43 PE Y BELTS

For steel and nonferrous metals



This high-performance product equipped with durable polyester has been developed for demanding steel and nonferrous metal applications. Combined with hard zirconium, these belts are ideal for very high pressure and deliver above-average stock removal rates. Active coolants reduce the generation of heat while grinding.

Another special feature is that the product can also be used wet with oil, emulsion or water and still delivers optimal results.

	Shape	Type no.	Dimension	Grain	Connection	PU
		706432	50x2000	36	JTS	10
		706433	50x2000	40	JTS	10
		706434	50x2000	60	JTS	10
		706435	50x2000	80	JTS	10
		706436	50x2000	120	JTS	10
		706467	75x2000	36	JTS	10
		706469	75x2000	40	JTS	10
		706470	75x2000	60	JTS	10
		706471	75x2000	80	JTS	10
		706472	75x2000	120	JTS	10

PREMIUM★★★ SCM BELTS



Universal use



With belts from the TYROLIT SCM range, TYROLIT is taking another step towards economic efficiency. The machining time of the workpiece can now be greatly reduced. A saving of one to three work steps is thus the key benefit.

Thanks to the quick and high stock removal rate, applications such as the

reduction of surface roughness, removal of discolouration, smoothing of surfaces and the cleaning and removal of weld seams can be realised. In addition, the TYROLIT SCM range boasts the best results in terms of lifetime.

	Shape	Type no.	Dimension	Design	Connection	Colour	PU
		34049705	50x2000	COARSE	JTS	BROWN	6
		34049706	50x2000	MEDIUM	JTS	RED	6
		34049709	50x2000	VERY FINE	JTS	BLUE	6
		34049731	75x2000	COARSE	JTS	BROWN	4
		34049732	75x2000	MEDIUM	JTS	RED	4
		34049734	75x2000	VERY FINE	JTS	BLUE	4
		34049736	150x2000	COARSE	JTS	BROWN	2
		34049737	150x2000	MEDIUM	JTS	RED	2
		34049738	150x2000	VERY FINE	JTS	BLUE	2





4.11 ROLLS

HAND SANDING AND SUPERFINISHING



ROLLS FOR HAND SANDING AND SUPERFINISHING

Any kind of surface finishing requires thorough preparation. This can be done by hand or using an orbital sander.

Wood, paint or lacquer are usually abraded by hand. Deburring work can also be accomplished by hand. However, for perfect intermediate sanding, we recommend using an orbital sander. This also allows smooth finishing of coatings and smoothing of composite materials.

For jobs such as these we offer abrasive rolls in a wide range of designs, such as cloth, paper and fleece rolls. They allow easy and flexible working on virtually any material.

Shapes



Roll

Application recommendations



Performance Level	Specification	Pages	All in One
CLOTH ROLLS BASIC★	A-B01 C JX	267, 268	●
	A-B01 C JJ	269, 270	●



Performance Level	Specification	Pages	Steel	NF metals	Paint / lacquer	Wood	Wet
PAPER ROLLS PREMIUM★★★	A-P07 P C	266	●	●	●	●	●



Performance Level	Specification	Pages	Plastic	Wood
PAPER ROLLS BASIC★	A-B35 P C	266	●	●
	A-B35 P A	266	●	●



Performance Level	Specification	Pages	All in One
FLEECE ROLLS PREMIUM★★★		271	●

Items with grey lettering are only available on request.

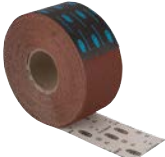

PREMIUM* A-P07 P C PAPER ROLLS**

For steel, nonferrous metals, wood, paints and lacquers



The special feature of the PREMIUM*** paper rolls is a latex-finished backing, which makes them ideal for wet and dry applications. This is the perfect product for preparing and machining metal, wood, paint and lacquer.

The closed coating of the PREMIUM*** paper roll delivers an excellent surface finish.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	705945	100x50M	60	1
		705946	100x50M	80	1	
		705947	100x50M	100	1	
		705948	100x50M	120	1	
		705959	100x50M	150	1	
		705960	100x50M	180	1	
		705962	100x50M	240	1	
		705965	115x50M	60	1	
		705966	115x50M	80	1	
		705967	115x50M	100	1	
		705968	115x50M	120	1	
		705969	115x50M	150	1	
		705970	115x50M	180	1	
705972	115x50M	240	1			

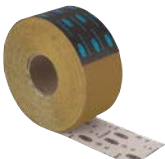

BASIC* A-B35 P C | A-B35 P A PAPER ROLLS

For plastic and wood

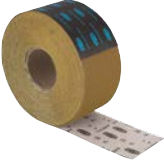



With an open grain distribution on a lightweight paper backing, TYROLIT paper rolls are ideal for dry grinding. This enables use on different types of wood, paints and lacquers.

The semi-open coating of the BASIC* paper roll prevents loading of the product and delivers an excellent surface finish.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	705975	100x50M	60	1
		705976	100x50M	80	1	
		705977	100x50M	100	1	
		705978	100x50M	120	1	
		705979	100x50M	150	1	
		705980	100x50M	180	1	
		705981	100x50M	240	1	
		705982	115x50M	60	1	
		705983	115x50M	80	1	

Coated abrasives

	Shape	Type no.	Dimension	Specification	PU	
		Roll	705984	115x50M	100	1
		705985	115x50M	120	1	
		705986	115x50M	150	1	
		705987	115x50M	180	1	
		705988	115x50M	240	1	



BASIC★ A-B01 C JX CLOTH ROLLS

Universal use



With flexible cloth rolls from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC* cloth rolls for hand-guided grinding.

For finishing coatings, smoothing and cleaning composites, and for clean intermediate grinding, we recommend cloth rolls on an orbital sander.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	705824	25x50M	40	1
		705825	25x50M	60	1	
		705826	25x50M	80	1	
		705828	25x50M	100	1	
		705830	25x50M	120	1	
		705831	25x50M	150	1	
		705832	25x50M	180	1	
		705833	25x50M	220	1	
		705834	25x50M	240	1	
		705836	25x50M	320	1	
		705837	25x50M	400	1	
		705839	40x25M	40	1	
		705840	40x25M	60	1	
		705841	40x25M	80	1	
		705842	40x25M	100	1	
		705843	40x25M	120	1	
		705844	40x25M	150	1	
		705845	40x25M	180	1	
		705846	40x25M	220	1	
		705850	40x25M	240	1	
		705851	40x25M	320	1	
		705852	40x25M	400	1	
		705853	40x25M	600	1	

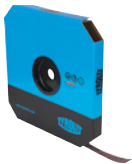

Coated abrasives

BASIC★ A-B01 C JX CLOTH ROLLS
 Universal use



With flexible cloth rolls from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC★ cloth rolls for hand-guided grinding.

For finishing coatings, smoothing and cleaning composites, and for clean intermediate grinding, we recommend cloth rolls on an orbital sander.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	705854	40x50M	40	1
		705855	40x50M	60	1	
		705856	40x50M	80	1	
		705857	40x50M	100	1	
		705858	40x50M	120	1	
		705859	40x50M	150	1	
		705860	40x50M	180	1	
		705861	40x50M	220	1	
		705862	40x50M	240	1	
		705863	40x50M	320	1	
		705864	40x50M	400	1	
		705873	50x25M	40	1	
		705874	50x25M	60	1	
		705875	50x25M	80	1	
		705876	50x25M	100	1	
		705877	50x25M	120	1	
		705878	50x25M	150	1	
		705879	50x25M	180	1	
		705880	50x25M	220	1	
		705881	50x25M	240	1	
		705882	50x25M	320	1	
		705883	50x25M	400	1	
		705884	50x25M	600	1	
		705885	50x50M	40	1	
		705886	50x50M	60	1	
		705887	50x50M	80	1	
		705888	50x50M	100	1	
		705889	50x50M	120	1	
		705891	50x50M	150	1	
		705892	50x50M	180	1	
		705894	50x50M	220	1	
		705895	50x50M	240	1	
705896	50x50M	320	1			
705898	50x50M	400	1			





Coated abrasives

BASIC★ A-B01 C JJ CLOTH ROLL
 Universal use



With highly flexible cloth rolls from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC* cloth rolls for hand-guided grinding.

For finishing coatings, smoothing and cleaning composites, and for clean intermediate grinding, we recommend cloth rolls on an orbital sander.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	20781	40x50M	60	1
		20793	40x50M	80	1	
		20794	40x50M	100	1	
		20796	40x50M	120	1	
		20797	40x50M	150	1	
		20798	40x50M	180	1	
		20799	40x50M	220	1	
		20801	40x50M	240	1	
		20803	40x50M	320	1	
		20805	40x50M	400	1	
		20806	50x50M	60	1	
		20807	50x50M	80	1	
		20811	50x50M	100	1	
		20813	50x50M	120	1	
		20816	50x50M	150	1	
		20817	50x50M	180	1	
		20819	50x50M	220	1	
		20821	50x50M	240	1	
		20822	50x50M	320	1	
		20824	50x50M	400	1	
		Roll	34061912	100x50M	60	1
		34061913	100x50M	80	1	
		34061919	100x50M	100	1	
		34061934	100x50M	120	1	
		34061938	100x50M	150	1	
		34061939	100x50M	180	1	
		34061951	100x50M	240	1	
		34061953	100x50M	320	1	
		34061954	100x50M	400	1	
		34061960	115x50M	60	1	
		34062015	115x50M	80	1	
		34062021	115x50M	100	1	
		34062022	115x50M	120	1	
		34062023	115x50M	150	1	

Coated abrasives



BASIC★ A-B01 C JJ CLOTH ROLL

Universal use



With highly flexible cloth rolls from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC* cloth rolls for hand-guided grinding.

For finishing coatings, smoothing and cleaning composites, and for clean intermediate grinding, we recommend cloth rolls on an orbital sander.

	Shape	Type no.	Dimension	Specification	PU	
		Roll	34062024	115x50M	180	1
			34062025	115x50M	240	1
			34062026	115x50M	320	1
			34062027	115x50M	400	1

PREMIUM★★★ FLEECE ROLLS

UNIVERSAL USE

+ Long lifetime

Thanks to 100% impregnation, the abrasive grain is not only located on the surface, but also inside the fleece.

+ Flexible use

The abrasive fabric adapts perfectly to any workpiece surface.



+ Universal use

The assortment offers a wide selection of possible uses on all common materials

TYROLIT fleece rolls are used for cleaning and processing surfaces using orbital sanders or for hand-guided grinding. A wide range of speci-



cations offer the user a variety of surface finish options. The assortment extends from coarse specifications for cleaning weld

seams through to ultra-fine and polishing fleece.

PREMIUM★★★ FLEECE ROLLS

Universal use



	Shape	Type no.	Dimension	Conforms to	Design	Colour	PU
	 Roll	120653	100 x 10m	P150	A COARSE	BROWN	1
		120667	100 x 10m	P220-240	A MEDIUM	RED-BROWN	1
		120671	100 x 10m	P320	A FINE	RED-BROWN	1
		120674	100 x 10m	P400-500	A VERY FINE	RED-BROWN	1
		120676	100 x 10m	P800	C SUPERFINE	GREY	1
		120682	100 x 10m	P400-500	A GP - GREEN	GREEN	1
		120688	115 x 10m	P150	A COARSE	BROWN	1
		120689	115 x 10m	P220-240	A MEDIUM	RED-BROWN	1
		120693	115 x 10m	P320	A FINE	RED-BROWN	1
		120694	115 x 10m	P400-500	A VERY FINE	RED-BROWN	1
		120700	115 x 10m	P800	C SUPERFINE	GREY	1
		120716	115 x 10m	P400-500	A GP - GREEN	GREEN	1





4.12 SHEETS
HAND SANDING AND SUPERFINISHING



SHEETS FOR HAND SANDING AND SUPERFINISHING

Any kind of surface finishing requires thorough preparation. This can be done by hand or using an orbital sander.

Wood, paint or lacquer are usually abraded by hand. Deburring work can also be accomplished by hand. However, for perfect intermediate sanding, we recommend using an orbital sander. This also allows smooth finishing of coatings and smoothing of composite materials.

For jobs like these we offer abrasive sheets in a wide range of designs, such as cloth, paper and fleece rolls. They allow easy and flexible working on virtually any material.

Shapes



Sheet

Application recommendations



Performance Level	Specification	Pages	All in One
CLOTH SHEETS BASIC★	A-B01 C JX	277, 278	●
	A-B01 C JJ	278	●



Performance Level	Specification	Pages	Steel	NF metals	Paint / lacquer	Wood	Stone	Wet
PAPER SHEETS PREMIUM★★★	A-P07 P C	276	●	●	●	●		●
	C-P68 P A	276	●	●	●	●	●	●
	C-P68 P C	276	●	●	●	●	●	●



Performance Level	Specification	Pages	Plastic	Wood
PAPER SHEETS BASIC★	A-B35 P C	277	●	●
	A-B35 P A	277	●	●



Performance Level	Pages	All in One
FLEECE ROLLS PREMIUM★★★	279	●

Items with grey lettering are only available on request.

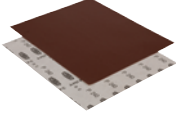
PREMIUM*** A-P07 P C PAPER SHEETS

For steel, nonferrous metals, wood, paints and lacquers



The special feature of the PREMIUM*** paper sheets is a latex-finished backing, which makes them ideal for wet and dry finishing. This is the perfect product for preparing and machining metal, wood, paint and lacquer.

The closed coating of the PREMIUM*** paper sheets delivers an excellent surface finish.

	Shape	Type no.	Dimension	Grain	PU	
	■	Sheet	706001	230x280	60	50
		706002	230x280	80	50	
		706003	230x280	100	50	
		706004	230x280	120	50	
		706005	230x280	150	50	
		706006	230x280	180	50	
		706007	230x280	220	50	
		706008	230x280	240	50	
		706009	230x280	320	50	
		706010	230x280	400	50	
		706011	230x280	600	50	
		706012	230x280	800	50	
		706013	230x280	1000	50	
		706014	230x280	1200	50	

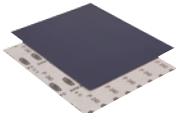
PREMIUM*** C-P68 P C | C-P68 P A PAPER SHEETS

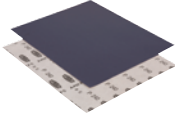
For steel, nonferrous metals, wood, paints and lacquers



The paper sheets made of silicon carbide are the perfect product for preparing and machining metal, wood, paint and lacquer. The special feature of the PREMIUM*** sheets is a latex-finished backing, which makes them ideal for wet and dry finishing.

The closed coating of the PREMIUM*** paper sheets delivers an excellent surface finish.

	Shape	Type no.	Dimension	Grain	PU	
	■	Sheet	724257	230x280	80	50
		724264	230x280	100	50	
		724267	230x280	120	50	
		724268	230x280	150	50	
		724271	230x280	180	50	
		724272	230x280	220	50	
		724273	230x280	240	50	
		724275	230x280	320	50	

	Shape	Type no.	Dimension	Grain	PU	
	■	Sheet	724276	230x280	400	50
			724281	230x280	600	50
			724283	230x280	800	50
			724284	230x280	1000	50
			724285	230x280	1200	50

BASIC★ A-B35 P C | A-B35 P A

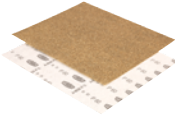
PAPER SHEETS

For paints, lacquers and wood



With a semi-open grain distribution on a lightweight paper backing, TYROLIT paper sheets are ideal for dry grinding. This enables use on different types of wood, paints and lacquers.

The semi-open coating of the BASIC* paper sheets prevents loading of the product and delivers an excellent surface finish.

	Shape	Type no.	Dimension	Grain	PU	
	■	Sheet	706015	230x280	60	50
			706016	230x280	80	50
			706018	230x280	100	50
			706020	230x280	120	50
			706021	230x280	150	50
			706022	230x280	180	50
			706023	230x280	240	50

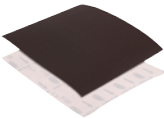
BASIC★ A-B01 C JX CLOTH SHEETS

Universal use



With the flexible cloth sheets from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC* cloth sheets.

However, our products can also be used for finishing coatings, or smoothing and cleaning composites.

	Shape	Type no.	Dimension	Grain	PU	
	■	Sheet	705989	230x280	40	50
			705990	230x280	60	50
			705991	230x280	80	50
			705992	230x280	100	50
			705993	230x280	120	50
			705994	230x280	150	50

BASIC★ A-B01 C JX CLOTH SHEETS

Universal use



With the flexible cloth sheets from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC★ cloth sheets.

However, our products can also be used for finishing coatings, or smoothing and cleaning composites.

	Shape		Type no.	Dimension	Grain	PU
		Sheet	705995	230x280	180	50
			705996	230x280	220	50
			705997	230x280	240	50
			705998	230x280	320	50
			705999	230x280	400	50
			706000	230x280	600	50

BASIC★ A-B01 C JJ CLOTH SHEETS

Universal use



With highly flexible cloth sheets from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends the BASIC★ cloth sheets.

However, our products can also be used for finishing coatings, or smoothing and cleaning composites.

	Shape		Type no.	Dimension	Grain	PU
		Sheet	20832	230x280	60	50
			20833	230x280	80	50
			20834	230x280	100	50
			20835	230x280	120	50
			20836	230x280	150	50
			20842	230x280	180	50
			20844	230x280	220	50
			20851	230x280	240	50
			20860	230x280	320	50
			20868	230x280	400	50

PREMIUM★★★ FLEECE SHEETS

UNIVERSAL USE

+ Long lifetime

Thanks to 100% impregnation, the abrasive grain is not only located on the surface, but also inside the fleece.

+ Flexible use

The abrasive fabric adapts perfectly to any workpiece surface.



+ Universal use

The assortment offers a wide selection of possible uses on all common materials.

Our fleece sheets are used for cleaning and processing surfaces using orbital sanders or for hand-guided grinding. A wide range of speci-

cations offer the user a variety of surface finish options. The assortment extends from coarse specifications for cleaning weld

seams through to ultra-fine and polishing fleece.

PREMIUM★★★ FLEECE SHEETS

Universal use



	Shape	Type no.	Dimension	Conforms to	Design	Colour	PU
	Sheet	120769	152x229	P150	A COARSE	BROWN	10
		120770	152x229	P220-240	A MEDIUM	RED-BROWN	10
		120772	152x229	P320	A FINE	RED-BROWN	10
		120774	152x229	P400-500	A VERY FINE	RED-BROWN	10
		120777	152x229	P220-240	S MEDIUM	BLACK	10
		120779	152x229	P800	C SUPERFINE	GREY	10
		120781	152x229	P400-500	A GP - GREEN	GREEN	10
		120787	152x229	-	POLISH	WHITE	10



TYROLIT

BOSCH
503
50/60 Hz 1.85 A 340 W
min⁻¹
104000021 2011
D-70745 Leinfelden-Echterdingen



633



ME 71



4.13 TYROLIT FAST CHANGE DUAL ACTION SANDER



TYROLIT FAST CHANGE FOR DUAL ACTION SANDERS

TYROLIT Fast Change discs offer a simple and convenient solution for surface treatment. Disc changes are quick and easy thanks to the Velcro fastening.

These tools are available with paper or film backings and can be used on nearly all materials. We offer discs with different numbers of holes for optimum material removal or extraction. They are easily applied to our back up pads.

The different grit sizes allow grinding from coarse to fine on ferrous and nonferrous metals and on wood, lacquers, paint and composites.

Application recommendations



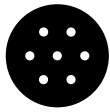
Performance level	Specification	Page	Steel	All in One	Compo- sites	Plastic	Gel coat	Wood	Hard Stone	Marble
PREMIUM ★★★	A-P21 P B	285, 286			●	●	●	●		
	A-P21 P C	285, 286			●	●	●	●		
	A-P22 FI	284, 285			●	●	●	●		
	ZA-P45 V	284		●						
	ZA-P45 P F	284		●						
	C-P65 P E	286, 287		●		●	●		●	●

Items with grey lettering are only available on request.

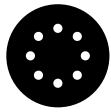
Shapes



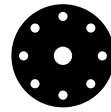
Disc



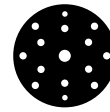
Disc 7H



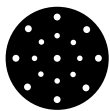
Disc 8H



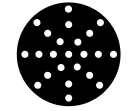
Disc 9H



Disc 15H



Disc 17H



Pad TFC 23



Coated abrasives

PREMIUM* ZA-P45 V | ZA-P45 P F TFC**
 Universal use



TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. A unique, strong paper backing combined with zirconium makes this product extremely abrasive and durable, and active coolants enable cool, clean grinding to be performed on the workpiece.

Thanks to the thin fibre backing with grit 40 and strong paper backing the TFC is the optimal tool for removing smaller welding and spot weld seams.





	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU
	 Disc	706139	125	40	0	10,500	50
		706141	125	60	0	10,500	50
		706142	125	80	0	10,500	50
		706143	125	120	0	10,500	50
		706144	150	60	0	8,800	50
		706145	150	80	0	8,800	50
		706146	150	120	0	8,800	50

PREMIUM* A-P22 FI TFC**
 For plastic, composites, gel coat and wood



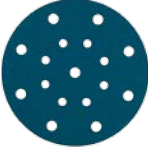



TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. This durable and flexible product has been developed with a special film backing to achieve improved edge stability and stock removal rate.

The product delivers an exceptionally even finish on lacquers, paints and composites. Clogging and loading of the disc is reduced, thus increasing the product's lifetime.

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU
	 Disc 8H	706147	125	40	8	10,500	50
		706148	125	60	8	10,500	50
		706149	125	80	8	10,500	50
		706150	125	100	8	10,500	50
		706151	125	120	8	10,500	50
		706152	125	150	8	10,500	50
		706154	125	180	8	10,500	50
		706155	125	240	8	10,500	50
		706157	125	320	8	10,500	50
		706158	125	400	8	10,500	50
	 Disc 15H	34063266	150	40	15	8,800	50
		34063267	150	60	15	8,800	50
		34063292	150	80	15	8,800	50
		34063294	150	100	15	8,800	50
		34063296	150	120	15	8,800	50
		34063298	150	150	15	8,800	50
		34063299	150	180	15	8,800	50

Coated abrasives

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU
		Disc 15H 34063300	150	240	15	8,800	50
		34063301	150	320	15	8,800	50
		34063303	150	400	15	8,800	50
		Disc 17H 34036456	150	40	17	8,800	50
		34036457	150	60	17	8,800	50
		34036458	150	80	17	8,800	50
		34036459	150	100	17	8,800	50
		34036460	150	120	17	8,800	50
		34036501	150	150	17	8,800	50
		34036502	150	180	17	8,800	50
		34036503	150	240	17	8,800	50
		34036504	150	320	17	8,800	50
		34036505	150	400	17	8,800	50

PREMIUM★★★ A-P21 P C | A-P21 P B TFC

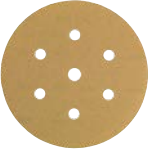



For plastic, composites, gel coat and wood



TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. The thin paper backing makes the disc ideal for finishing various wood surfaces and for preparing paint, lacquer or wax surfaces.

The product delivers an exceptionally even finish on lacquers, paints and

composites. Clogging and loading of the disc is reduced, thus increasing the product's lifetime.

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU
		Disc 8H 706219	125	40	8	10,500	50
		706221	125	60	8	10,500	50
		706222	125	80	8	10,500	50
		706223	125	100	8	10,500	50
		706224	125	120	8	10,500	50
		706225	125	150	8	10,500	50
		706226	125	180	8	10,500	50
		706227	125	240	8	10,500	50
		706228	125	320	8	10,500	50
		706229	125	400	8	10,500	50
		Disc 706244	150	40		8,800	50
		706245	150	60		8,800	50
		706246	150	80		8,800	50
		706248	150	120		8,800	50
		706250	150	180		8,800	50
		706251	150	240		8,800	50

PREMIUM★★★ A-P21 P C | A-P21 P B TFC

For plastic, composites, gel coat and wood



TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. The thin paper backing makes the disc ideal for finishing various wood surfaces and for preparing paint, lacquer or wax surfaces.

The product delivers an exceptionally even finish on lacquers, paints and

composites. Clogging and loading of the disc is reduced, thus increasing the product's lifetime.

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU	
		Disc 7H	706255	150	40	7	8,800	50
		706258	150	60	7	8,800	50	
		706259	150	80	7	8,800	50	
		706260	150	100	7	8,800	50	
		706261	150	120	7	8,800	50	
		706262	150	150	7	8,800	50	
		706264	150	180	7	8,800	50	
		706265	150	240	7	8,800	50	
		706266	150	320	7	8,800	50	
		Disc 9H	706268	150	40	9	8,800	50
		706269	150	60	9	8,800	50	
		706270	150	80	9	8,800	50	
		706272	150	100	9	8,800	50	
		706273	150	120	9	8,800	50	
		706274	150	150	9	8,800	50	
		706276	150	180	9	8,800	50	
		706277	150	240	9	8,800	50	
		706278	150	320	9	8,800	50	
		706280	150	400	9	8,800	50	

PREMIUM★★★ C-P65 P E TFC

For hard stone, steel, composites, plastics and soft stone.





TYROLIT FAST CHANGE enables you to change a disc very quickly thanks to the Velcro fastening. The thin paper backing makes the disc ideal for finishing tasks. The product delivers an exceptionally even finish on metals, lacquers, composites, marble and stone.

The product delivers an exceptionally even finish on hard stone, steel and composites. Clogging and loading of the disc is reduced, thus increasing the product's lifetime.

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU	
		Disc	6957	125	40	0	10,500	50
		6958	125	60	0	10,500	50	
		6960	125	80	0	10,500	50	
		6964	125	120	0	10,500	50	

Coated abrasives

	Shape	Type no.	Diameter	Grain	Holes	Max. RPM	PU	
		Disc	6968	125	180	0	10,500	50
		6969	125	220	0	10,500	50	
		6979	125	320	0	10,500	50	
		6991	125	400	0	10,500	50	
		6993	125	600	0	10,500	50	
		7007	125	800	0	10,500	50	
		7008	180	40	0	7,300	50	
		7030	180	60	0	7,300	50	
		7055	180	80	0	7,300	50	
		7058	180	120	0	7,300	50	
		7070	180	180	0	7,300	50	
		7072	180	220	0	7,300	50	
		7086	180	320	0	7,300	50	
		7087	180	400	0	7,300	50	
		7093	180	600	0	7,300	50	
7100	180	800	0	7,300	50			



PREMIUM★★★ ACCESSORIES

For TFC



Our back up pads can be used on most dual action sanders and their medium density provides the ideal support for finishing and preparing surfaces. The specially developed product design delivers outstanding dust extraction.

You can use practically any disc with our back up pads. They fit discs with 0, 6, 7, 9 and 15 holes.

	Shape	Type no.	Diameter	Grain	Holes	Grade	Max. RPM	PU	Design
		PAD TFC	710006	115	M14		HARD	13,300	5
		710007	125	M14		HARD	12,300	5	
		710008	150	5/16-M8	23	HARD	10,500	1	Suitable for discs with 0, 6, 7, 9 and 15 holes
		710009	150	5/16-M8	23	MEDIUM	10,500	1	Suitable for discs with 0, 6, 7, 9 and 15 holes



TYROLIT

TYROLIT

PREMIUM
100x100x10.1
A 150
C 400/10%
009010603547
MAX RPM 6800



4.14 ROLLERS BURNISHING MACHINE



ROLLERS FOR BURNISHING MACHINES

TYROLIT rollers are used on portable equipment such as burnishing machines for general grinding jobs, cleaning, finishing and for polishing uneven or curved surfaces.










Our products allow a consistent, high-quality surface finish throughout their lifetime. With our comprehensive assortment, we offer products for removing welding tracks, scratches or oxidation residues. These tools

are especially popular for surface pre-treatment over large areas.

The patented shape of the newly developed spiral rollers means they are extremely easy and convenient

to use without lateral deflection. You can also increase your productivity by avoiding typical roller imprinting on the workpiece. In addition, vibrations are considerably reduced and the load is minimised.

Application recommendation

Performance line	Pages	 Steel	 Stainless steel	 NF metals
ROLLERS PREMIUM★★★	292	•	•	•
Performance line	Pages	 Steel	 Stainless steel	 NF metals
SPIRAL ROLLERS PREMIUM★★★	293	•	•	•
Performance line	Pages	 Steel	 Stainless steel	 Plastic
ROUGH GRINDING WHEEL PREMIUM★★★	294	•	•	•

Items with grey lettering are only available on request.

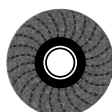
Shapes



1LA C



1LA VL



1LA VL-C

Coated abrasives







PREMIUM★★★ ROLLERS

For steel, stainless steel and nonferrous metals



PREMIUM*** rollers are used on burnishing machines for general grinding processes, cleaning, finishing and for polishing uneven or curved surfaces. As the wear pattern remains stable throughout the product lifetime, a consistent high-quality surface finish is delivered. The comprehensive assortment offers products for removing welding

tracks, scratches and oxidation residue, as well as for pre-treating surfaces.

	Shape	Type no.	Dimension	Grain	Design	Colour	Max. RPM	Rec. speed	PU	
		1LA C	62144	100x100x19.1 S4	40		6,800	3,700	1	
			62153	100x100x19.1 S4	60		6,800	3,700	1	
			62154	100x100x19.1 S4	80		6,800	3,700	1	
			62155	100x100x19.1 S4	120		6,800	3,700	1	
			62178	100x100x19.1 S4	180		6,800	3,700	1	
		1LA VL	60159	100x100x19.1 S4		A COARSE	RED-BROWN	6,800	2,400	1
			60170	100x100x19.1 S4		A MEDIUM	RED-BROWN	6,800	2,400	1
			60184	100x100x19.1 S4		A FINE	RED-BROWN	6,800	2,400	1
			60185	100x100x19.1 S4		A VERY FINE	RED-BROWN	6,800	2,400	1
		1LA VL-C	60337	100x100x19.1 S4	60	A COARSE	RED-BROWN	6,800	2,400	1
			60351	100x100x19.1 S4	80	A MEDIUM	GREY	6,800	2,400	1
			60352	100x100x19.1 S4	120	A FINE	GREY	6,800	2,400	1
			60354	100x100x19.1 S4	180	A VERY FINE	GREY	6,800	2,400	1

Coated abrasives

PREMIUM★★★ SPIRAL ROLLERS FOR STEEL, STAINLESS STEEL AND NONFERROUS METALS

+ **Reduced working times**
Work steps do not need to be repeated, as roller imprinting is avoided.

+ **Reduced load**
Significantly reduced vibrations prevent damage to health.



+ **Consistent results**
Consistent high-quality finish thanks to the stable grinding surface pattern.

The patented shape of the newly developed PREMIUM*** spiral rollers means they are extremely easy and convenient to use without lateral deflection. Using the PREMIUM*** spiral rollers significantly increases productivity by avoiding typical roller

imprinting on the workpiece. This means grinding processes do not have to be performed again.




In addition, vibrations are considerably reduced and the load is minimised. The convenient and intuitive

operation does not require extensive training to learn, meaning convincing results are achieved immediately.

PREMIUM★★★ SPIRAL ROLLERS

For steel, stainless steel and nonferrous metals



	Shape	Type no.	Dimension	Grain	Design	Colour	Max. RPM	Rec. speed	PU
		1LA VL 94134	100x100x19.1 S4		A COARSE	RED-BROWN	6,800	2,400	1
		94204	100x100x19.1 S4		A MEDIUM	RED-BROWN	6,800	2,400	1
		94210	100x100x19.1 S4		A VERY FINE	RED-BROWN	6,800	2,400	1
		1LA VL-C 94223	100x100x19.1 S4	60	A COARSE	RED-BROWN	6,800	2,400	1
		94234	100x100x19.1 S4	80	A MEDIUM	GREY	6,800	2,400	1
		94237	100x100x19.1 S4	120	A FINE	GREY	6,800	2,400	1

PREMIUM★★★ ROUGH CLEANING ROLLERS FOR STEEL, STAINLESS STEEL AND PVC

+ Powerful
TYROLIT rough cleaning wheels are characterised by a long lifetime and an excellent grinding surface pattern.



+ Versatile tool
Not only for removing rust, paint, lacquer and underbody sealant, but also for preparing surfaces for welding, soldering and anodising.

+ User-friendly
Enables the user to perform quiet, non-strenuous work.

With the TYROLIT rough cleaning roller for burnishing machines, you can effortlessly remove rust, paint, lacquer and underbody sealant from your


workpiece. The porous nylon fibres, treated with aggressive abrasives, meet any challenge. Particularly suitable for cleaning large, even surfaces.

At the same time, they prevent clogging or loading.

PREMIUM★★★ ROUGH CLEANING ROLLERS

For steel, stainless steel and PVC



	Shape	Type no.	Dimension	Grain	Design	Colour	Max. RPM	Rec. speed	PU
	1GR	34077301	100x100x19.1 S4		C COARSE	BLACK	6,800	2,400	1

Coated abrasives



4.15 ROLLERS
FLOORSTANDING GRINDER



ROLLERS FOR FLOORSTANDING GRINDERS

TYROLIT rollers are used on stationary machines such as floorstanding grinders for general grinding jobs, cleaning, finishing and for polishing uneven or curved surfaces.

Our products allow a consistent, high-quality surface finish throughout their lifetime. With our comprehensive assortment, we offer products for

removing welding tracks, scratches or oxidation residues. These tools are especially popular for surface pre-treatment over large areas.

Rollers for floorstanding grinders are available in many different grain sizes and so always produce the desired result.

Application recommendation



Performanceline	Pages	Steel	Stainless steel	NF metals
PREMIUM ***	298, 299	•	•	•

Items with grey lettering are only available on request.

Shapes



1 LA C



PREMIUM★★★ ROLLERS

For steel, stainless steel and nonferrous metals




PREMIUM*** rollers for bench grinders can be used for general grinding processes, including cleaning, finishing and for polishing uneven or curved surfaces. As the wear pattern remains stable throughout the product life-time, a consistent high-quality surface finish is delivered.

The comprehensive assortment offers products for removing welding tracks, scratches and oxidation residue, as well as for pre-treating surfaces.

Shape	Type no.	Shape	Dimension	Grain	Max. RPM	Rec. speed	PU	
 	1LA C	62180	1LA	165x25x25.4	40	5,200	3,300	2
	62181	1LA	165x25x25.4	60	5,200	3,300	2	
	62190	1LA	165x25x25.4	80	5,200	3,300	2	
	62194	1LA	165x25x25.4	120	5,200	3,300	2	
	62197	1LA	165x25x25.4	150	5,200	3,300	2	
	62202	1LA	165x25x25.4	180	5,200	3,300	2	
	62212	1LA	165x25x25.4	220	5,200	3,300	2	
	62239	1LA	165x25x25.4	320	5,200	3,300	2	
	62258	1LA	165x30x54	40	5,200	3,300	2	
	62274	1LA	165x30x54	60	5,200	3,300	2	
	62277	1LA	165x30x54	80	5,200	3,300	2	
	62291	1LA	165x30x54	100	5,200	3,300	2	
	62298	1LA	165x30x54	120	5,200	3,300	2	
	62299	1LA	165x30x54	150	5,200	3,300	2	
	62304	1LA	165x30x54	180	5,200	3,300	2	
	62332	1LA	165x30x54	220	5,200	3,300	2	
	62334	1LA	165x30x54	240	5,200	3,300	2	
	62342	1LA	165x30x54	320	5,200	3,300	2	
	62353	1LA	165x50x54	40	5,200	3,300	1	
	62384	1LA	165x50x54	50	5,200	3,300	1	
	62409	1LA	165x50x54	60	5,200	3,300	1	
	62416	1LA	165x50x54	80	5,200	3,300	1	
	62419	1LA	165x50x54	100	5,200	3,300	1	
	62434	1LA	165x50x54	120	5,200	3,300	1	
	62436	1LA	165x50x54	150	5,200	3,300	1	
	62437	1LA	165x50x54	180	5,200	3,300	1	
	62448	1LA	165x50x54	220	5,200	3,300	1	
	62453	1LA	165x50x54	240	5,200	3,300	1	
62471	1LA	165x50x54	320	5,200	3,300	1		


Coated abrasives

	Shape	Type no.	Shape	Dimension	Grain	Max. RPM	Rec. speed	PU
	1LA C	62484	1LA	200x50x54	40	3,800	2,600	1
		62491	1LA	200x50x54	60	3,800	2,600	1
		62505	1LA	200x50x54	80	3,800	2,600	1
		62506	1LA	200x50x54	100	3,800	2,600	1
		62507	1LA	200x50x54	180	3,800	2,600	1
		62516	1LA	200x50x54	320	3,800	2,600	1
		62518	1LA	250x50x100	60	3,000	2,000	1
		62521	1LA	250x50x100	80	3,000	2,000	1
		62524	1LA	250x50x100	100	3,000	2,000	1
		62547	1LA	250x50x100	120	3,000	2,000	1
		62548	1LA	250x50x100	220	3,000	2,000	1

PREMIUM★★★ ACCESSORIES

For rollers

These reduction bushes can be used for bench grinder roller applications. With this set, you have the option of reducing the original bore diameter to 32, 25, 22, 20, 16 or 12 millimetres.

	Shape	Type no.	Dimension	Design	PU
		27	34024028	54x32	Reduction from 54 to 32, 1
					25, 22, 20, 16, 12



CATALOGUE 18

DIAMOND TOOLS

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SPECIFIC INFORMATION

DIAMOND TOOLS

Product label



Registered trademark

Max. speed

Quality line

Application and safety pictograms

TYROLIT, founding member of oSa®

Specification

Dimensions: external x internal Ø

Segment height and length

Type number

Material suitability

Colour codes



Label	Universal	Concrete	Hard stone	Tiles	Marble	Asphalt	Abrasive materials
Colour code	yellow	red	blue	green	green	grey	grey
Material	Universal building materials	Concrete	Hard stone	Tiles, ceramic materials	Soft stone, marble	Abrasive materials	Abrasive materials

Specification

DCAB★★★-FC

			FC	FASTCUT
			S	SILENT
			LL	LOGLIFE
		★★★		PREMIUM***
		★★		STANDARD**
		★		BASIC*
	AB			Abrasive materials
	U			Universal building materials
	C			Concrete
	H			Hard stone
	A			Asphalt
	M			Marble, soft stone
	T			Tiles, ceramics
DC				Dry cutting

Machines



Angle grinder



Floor saw



Petrol cutting saw



Table saw



Wet core bit



Dry core bit



TYROLIT

TYROLIT
PROTECT YOUR WEARS



5.1 DRY CUTTING SAW BLADES
ANGLE GRINDER



DRY-CUTTING SAW BLADES FOR ANGLE GRINDERS

TYROLIT provides laser welded and directly sintered dry-cutting saw blades that meet the highest standards of quality and safety.

With TYROLIT dry cutting saw blades, plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

TGD® technology

TGD® (TYROLIT GRAIN DISTRIBUTION) is a unique technology developed by Tyrolit, which ensures consistently fast cutting rates, an extremely long lifetime and noticeable smooth running through optimised grain distribution. This provides for clean cuts that require no reworking. Furthermore, significantly less vibration is generated, resulting in less strain on the operator and the

machine. These advantages are particularly economically evident in continuous operation: The operator can distribute his effort evenly over the day and machines remain serviceable longer.



Shapes



1A1R
Dry cutting saw blade



C3/C3W
Dry cutting saw blade



C6/C6W
Dry cutting saw blade



UC3
Dry cutting saw blade



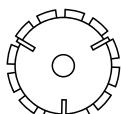
C6R
Dry cutting saw blade



C3S/C3SW
Dry cutting saw blade



C3R
Dry cutting saw blade



FRSU
Dry cutting saw blade

Diamond tools

Application recommendation



Performance level	Specification	Pages	Universal	Concrete	Hard stone	Abrasive materials	Soft stone	Tiles
PREMIUM***	DCU*** 4in1 TGD 4in1	308	●					
	DCU***	309	●					
	DCU***- FC 4in1 FASTCUT	309	●					
	DCU***-S SILENT	309	●					
	DCC***	310		●				
	DCC*** FC FASTCUT	310		●				
	DCH***	312				●		
	DCH*** TGD	311				●		
	DCH***-FC FASTCUT	312				●		
	DCAB***	313					●	
	DCM***	313						●
	DCT***	312						



Performance level	Specification	Pages	Universal	Concrete
STANDARD**	DCU**	314	●	
	DCU** FC FASTCUT	314	●	
	DCC**	314		●



Performance level	Specification	Pages	Universal	Hard stone	Abrasive materials	Tiles
BASIC*	DCU*	315	●			
	DCU*-FC FASTCUT	315	●			
	DCH*	315		●		
	DCAB*	316				●
	DCT*	316				

Items with grey lettering are only available on request.

PREMIUM★★★ DRY CUTTING SAW BLADE DCU★★★ 4IN1-TGD

+ **Low cutting costs**
because of high
cutting speed

+ **Universal use**
on concrete, hard stone,
abrasive materials
and steel



+ **Consistently fast cutting performance**, very long lifetime and noticeable smooth running with TGD® technology (Tyrolit Grain Distribution), a unique technology developed by Tyrolit for the optimised distribution of grain

+ **Reduced load for the user** as a result of unique smooth running



Materials able to be machined:
Universal building materials, such as concrete, natural stone, clay brick, cellular concrete, etc. Details: the DCU★★★4in1 dry cutting saw blade

impresses with excellent results when cutting concrete, hard stone, abrasive materials and steel. The possibility for universal use offers the user a product which is ready-

to-use at any time without a wheel change and ensures the successful completion of a project.

PREMIUM★★★ DRY CUTTING SAW BLADE DCU★★★ 4in1



	Shape	Type no.	Dimension	Segment height	Classification
		C3W 704617	230x2.4x22.23	14	4in1

Diamond tools

PREMIUM* DRY CUTTING SAW BLADE**
DCU***



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, steel, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height
		C6W 464537	115x2.2x22.23	10
		464539	125x2.2x22.23	10
		464540	150x2.4x22.23	12
		464543	180x2.4x22.23	12
		464544	230x2.4x22.23	12

PREMIUM* DRY CUTTING SAW BLADE**
DCU***-FC 4in1



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, steel, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification
		C6R 474743	115x2x22.23	10	FASTCUT 4in1
		474746	125x2x22.23	10	FASTCUT 4in1
		474751	150x2.4x22.23	9	FASTCUT 4in1
		474752	180x2.4x22.23	9	FASTCUT 4in1
		474753	230x2.4x22.23	9	FASTCUT 4in1

PREMIUM* DRY CUTTING SAW BLADE**
DCU***-S



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, steel, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	Classification
		C2G 474771	230x2.6x22.23	9	SILENT

PREMIUM* DRY CUTTING SAW BLADE**
DCC***



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C6W	465488	115x2.2x22.23	10
			465489	125x2.2x22.23	10
			465490	150x2.4x22.23	12
			465491	180x2.4x22.23	12
			465492	230x2.4x22.23	12

PREMIUM* DRY CUTTING SAW BLADE**
DCC***-FC Wall chaser blade



Materials able to be machined: Concrete, clay brick, cellular concrete. Details: tool for the milling of slots in concrete and masonry. For use with all common wall chasers. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification	
		C3R	598008	125x2.0x22.23	7	FASTCUT
			598010	140x2.4x22.23	9	FASTCUT
			598011	150x2.4x22.23	9	FASTCUT

PREMIUM★★★ DRY CUTTING SAW BLADE DCH★★★-TGD

+ **Low cutting costs**
because of high
cutting speed

+ **Reduced load for the user**
as a result of unique smooth
running



+ **Consistently fast cutting performance,**
very long lifetime and no-
ticeable smooth running with
TGD® technology (Tyrolit Grain
Distribution), a unique technol-
ogy developed by Tyrolit for the
optimised distribution of grain

+ **No reworking**
due to very clean
cutting edges



Details: the DCH*** dry cutting saw blade, specially developed using TGD® technology for hard stone, impresses with its cutting ability and smooth running. Reduced effort over

the entire lifetime allows for higher productivity. The perfectly optimised segments for the application create very clean, chip-free edges and ensure a flawless result.

Materials able to be machined:
Concrete blocks, granite, gneiss,
porphyry, paving slab, etc.

PREMIUM★★★ DRY CUTTING SAW BLADE DCH***-TGD





	Shape	Type no.	Dimension	Segment height
		C3W 707365	230x2.4x22.23	14

PREMIUM* DRY CUTTING SAW BLADE**
DCH***



Materials able to be machined: Granite, gneiss, porphyry, paving slab, hard limestone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as

hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.




	Shape	Type no.	Dimension	Segment height
		C6W 464697	115x2.2x22.23	10
		464698	125x2.2x22.23	10
		464699	150x2.4x22.23	12

PREMIUM* DRY CUTTING SAW BLADE**
DCH***-FC



The DCH***-FC from TYROLIT enables the user to carry out cutting work swiftly and to precise dimensions, without any great exertion. The DCH***-FC is an ultra-thin diamond cut-off wheel with a segment thickness of 1.2 or 1.9 mm. It is distinguished by an extremely high cutting ability with minimal dust generation and extremely smooth running. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting

saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	Classification
		C3 475790	115x1.2x22.23	7	FASTCUT
		475793	125x1.2x22.23	7	FASTCUT
		C3W 475797	180x1.9x22.23	9	FASTCUT
		475800	230x1.9x22.23	9	FASTCUT

PREMIUM* DRY CUTTING SAW BLADE**
DCT***



Materials able to be machined: Ceramic tile, fine stoneware, porcelain. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height
		1A1R 639558	105x1.2x20	10
		639559	115x1.2x22.23	10
		639560	125x1.2x22.23	10
		676791	200x1.6x22.23	10
		639635	230x1.6x22.23	10

Diamond tools

PREMIUM* DRY CUTTING SAW BLADE**
DCM***



Materials able to be machined: marble, fibreglass reinforced plastic, PVC, carbon fibre, composites, fibreglass, bulletproof glass, etc. Details: with electroplated coating, also suitable for rescue operations. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		UC3	315968	115x2.5x22.23	2
			315967	125x2.5x22.23	2
			547611	150x3.0x22.23	2
			315966	180x3.0x22.23	2
			315965	230x3.0x22.23	2

PREMIUM* DRY CUTTING SAW BLADE**
DCAB***



Materials able to be machined: abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3W	465976	115x2.2x22.23	10
			465977	125x2.2x22.23	10
			465979	150x2.2x22.23	10
		C3SW	465980	230x2.4x22.23	10

PREMIUM* DRY CUTTING SAW BLADE**
DCAB*** tuck point blade



Materials able to be machined: mortar joints. Details: tool for milling and repairing mortar joints. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such

as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		FRSU	563873	115x7.2x22.23	7
			535829	125x7.2x22.23	7

STANDARD DRY CUTTING SAW BLADE**
DCU**



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, steel, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3	467443	115x2.0x22.23	7
		467444	125x2.0x22.23	7	
		467445	150x2.6x22.23	9	
		467446	180x2.6x22.23	9	
		467448	230x2.6x22.23	9	

STANDARD DRY CUTTING SAW BLADE**
DCU**-FC



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, steel, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification	
		C3R	467414	115x2.0x22.23	7	FASTCUT
		467416	125x2.0x22.23	7	FASTCUT	
		467428	150x2.4x22.23	9	FASTCUT	
		467430	180x2.4x22.23	9	FASTCUT	
		467431	230x2.4x22.23	9	FASTCUT	

STANDARD TROCKENSCHNITTSÄGE**
DCC**



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3	474774	115x2.0x22.23	7
		474775	125x2.0x22.23	7	
		536789	130x2.2x22.23	7	
		474777	150x2.6x22.23	9	
		474778	180x2.6x22.23	9	
		474780	230x2.6x22.23	9	

Diamond tools

BASIC★ DRY CUTTING SAW BLADE
DCU*



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3	466082	105x2.0x20	7
			466083	115x2.0x22.23	7
			466084	125x2.6x22.23	7
			466086	150x2.6x22.23	9
			466087	180x2.6x22.23	9
			466090	230x2.6x22.23	9

BASIC★ DRY CUTTING SAW BLADE
DCU*-FC



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification	
		C3R	467266	105x2.0x20	7	FASTCUT
			467267	115x2.0x22.23	7	FASTCUT
			467268	125x2.0x22.23	7	FASTCUT
			467271	150x2.4x22.23	9	FASTCUT
			467273	180x2.4x22.23	9	FASTCUT
			467276	230x2.4x22.23	9	FASTCUT

BASIC★ DRY CUTTING SAW BLADE
DCH*



Materials able to be machined: Granite, porphyry, paving slab, hard limestone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such

	Shape	Type no.	Dimension	Segment height	
		C3	467386	115x2.0x22.23	7
			467387	125x2.0x22.23	7
			467388	180x2.6x22.23	9
			467389	230x2.6x22.23	9



BASIC★ DRY CUTTING SAW BLADE
DCAB*



Materials able to be machined: abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height
		C3W 465672	115x2.2x22.23	9
		465674	125x2.2x22.23	9
		465677	150x2.2x22.23	10
		465686	230x2.4x22.23	10



BASIC★ DRY CUTTING SAW BLADE
DCT*



Materials able to be machined: Ceramic tiles. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height
		1A1R 475975	100x1.6x23.23	7
		475978	115x1.6x22.23	7
		475980	125x1.6x22.23	7
		475983	180x2.0x22.23	9
		475986	230x2.0x22.23	9



5.2 DIAMOND CUP WHEELS ANGLE GRINDER



DIAMOND CUP WHEELS FOR ANGLE GRINDERS

TYROLIT diamond cup wheels enable quick and accurate grinding of uneven concrete, stone and floor pavement surfaces. In addition to their universal range of applications, high stock removal rates and a long lifetime are main characteristics of TYROLIT diamond cup wheels.

Application recommendation



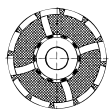
Performance level	Specification	Pages	Universal	Abrasive materials
PREMIUM***	DGU***	320	•	
	DGU*** Turbo	320	•	
	DGAB***	320		•



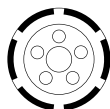
Performance level	Specification	Pages	Universal
STANDARD**	Single row DGU**	320	•
	Double row DGU**	320	•
	DGU** Turbo	321	•

Items with grey lettering are only available on request.

Formen



STHD cup wheels
With PU foam coating



STS-S cup wheels
Single row segments



STS-D cup wheels
Double row segments





STS-T cup wheels
Turbo segments

PREMIUM*** DIAMOND CUP WHEEL DGU***



Materials able to be machined: Concrete, natural stone and general building materials. Details: with PU foam coating for quiet grinding and shaping of corners and edges. TYROLIT diamond cup wheels enable quick and accurate grinding of uneven concrete, stone and floor pavement surfaces.

High stock removal rates and lifetime are at the forefront of TYROLIT diamond cup wheels, as is their universal range of application. Thorough colour coding helps you to quickly find the right product for every application.

	Shape	Type no.	Dimension	Segment height	
		STHD	356569	100x18x22.23	5
			350694	110x18x22.23	5
			367833	110x18xM14	5
			348387	125x18x22.23	5
			828013	180x19x22.23	5



PREMIUM*** DIAMOND CUP WHEEL DGU***-Turbo



Machinable materials: Concrete, natural stone and general building materials. Details: turbo style arranged segments for a fine grinding surface pattern and shaping of corners and edges. Quick dust removal. A 22, 23-16 mm reduction bush is supplied with a wheel diameter of 100 mm. TYROLIT diamond cup wheels enable quick and accurate grinding of

uneven concrete, stone and floor pavement surfaces.

High stock removal rates and lifetime are at the forefront of TYROLIT diamond cup wheels, as is their universal range of application. Thorough colour coding helps you to quickly find the right product for every application.



	Shape	Type no.	Dimension	Segment height	Classification	
		STS-T	598061	100x18x22.23	5	W-Segment
			34179930	125x20x22.23	5	W-Segment
			34179971	180x32x22.23	5	W-Segment

STANDARD** DIAMOND CUP WHEEL DGU**-Double row



Materials able to be machined: Concrete, natural stone and general building materials. Details: double row segments for medium stock removal and long lifetime. A 22, 23-16 mm reduction bush is supplied with wheel diameters of 100 and 110 mm. TYROLIT diamond cup wheels enable quick and accurate grinding of uneven concrete, stone and floor pavement surfaces. High stock removal rates and lifetime are at the forefront of TYROLIT

diamond cup wheels, as is their universal range of application. Thorough colour coding helps you to quickly find the right product for every application.

	Shape	Type no.	Dimension	Segment height	Classification	
		STS-D	494339	100x18x22.23	5	Double row
			494349	110x32x22.23	5	Double row
			494361	125x18x22.23	5	Double row
			494394	180x20x22.23	5	Double row



STANDARD★★ DIAMOND CUP WHEEL

DGU**-Single row



Materials able to be machined: Concrete, natural stone and general building materials. Details: single row segments for high stock removal. A 22, 23-16 mm reduction bush is supplied. TYROLIT diamond cup wheels enable quick and accurate grinding of uneven concrete, stone and floor pavement surfaces.

High stock removal rates and lifetime are at the forefront of TYROLIT diamond cup wheels, as is their universal range of application. Thorough colour coding helps you to quickly find the right product for every application.

	Shape	Type no.	Dimension	Segment height	Classification
		STS-D 494333	100x18x22.23	5	Single row



STANDARD★★ DIAMOND CUP WHEEL

DGU**-Turbo



Machinable materials: Concrete, natural stone and general building materials. Details: turbo style arranged segments for a fine grinding surface pattern and shaping of corners and edges. Quick dust removal. A 22, 23-16 mm reduction bush is supplied with a wheel diameter of 100 mm. TYROLIT diamond cup wheels enable quick and accurate grinding of

uneven concrete, stone and floor pavement surfaces. High stock removal rates and lifetime are at the forefront of TYROLIT diamond cup wheels, as is their universal range of application. Thorough colour coding helps you to quickly find the right product for every application.

	Shape	Type no.	Dimension	Segment height	Classification
		STS-T 494342	100x18x22.23	5	Turbo
		494365	125x20x22.23	5	Turbo
		494391	180x32x22.23	5	Turbo





5.3 DRY CUTTING SAW BLADES PETROL CUTTING SAW



DRY-CUTTING SAW BLADES FOR PETROL CUTTING SAWS

TYROLIT provides laser welded and directly sintered dry-cutting saw blades that meet the highest standards of quality and safety.

With TYROLIT dry cutting saw blades, plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

TGD® Technology

TGD® (TYROLIT GRAIN DISTRIBUTION) is a unique technology developed by Tyrolit, which ensures consistently fast cutting rates, an extremely long lifetime and noticeable smooth running through optimised grain distribution. This provides for clean cuts that require no reworking. Furthermore, significantly less vibration is generated, resulting in less strain on the operator and the

machine. These advantages are particularly economically evident in continuous operation: The operator can distribute his effort evenly over the day and machines remain serviceable longer.



Shapes



C1SW
Dry cutting saw blade



C3/C3W
Dry cutting saw blade



C6W
Dry cutting saw blade



UC3
Dry cutting saw blade



C3R
Dry cutting saw blade



C7SW
Dry cutting saw blade

Application recommendation



Performance level	Specification	Pages	Universal	Concrete	Hard stone	Asphalt	Soft stone
PREMIUM***	DCU*** 4in1 TGD	326	•				
	DCU***	327	•				
	DCC***	327		•			
	DCH*** TGD	328			•		
	DCH***	328			•		
	DCA***	328				•	
	DCA+C*** 2in1	328		•		•	



Performance level	Specification	Pages	Universal	Concrete	Asphalt
STANDARD**	DCU**	330	•		
	DCU**-FC FASTCUT	330	•		
	DCC**	331		•	
	DCC** LL LONGLIFE	331		•	
	DCA**	332			•



Performance level	Specification	Pages	Universal	Concrete	Hard stone	Asphalt
BASIC*	DCU*	332	•			
	DCU*-FC	333	•			
	DCH*	333			•	
	DCA*	334				•
	DCA+C*	334		•		•

Items with grey lettering are only available on request.

PREMIUM★★★ DRY CUTTING SAW BLADE DCU★★★ 4IN1-TGD

+ **Low cutting costs**
because of high
cutting speed

+ **Universal use**
on concrete, hard stone,
abrasive materials and steel



+ **Consistently fast cutting performance**, very long lifetime and noticeable smooth running with TGD® technology (Tyrolit Grain Distribution), a unique technology developed by Tyrolit for the optimised distribution of grain

+ **Reduced load for the user** as a result of unique smooth running



Materials able to be machined: Universal building materials, such as concrete, natural stone, clay brick, cellular concrete, etc. Details: the DCU***4in1 dry cutting saw blade

impresses with excellent results when cutting concrete, hard stone, abrasive materials and steel. The possibility for universal use offers the user a product which is ready-

to-use at any time without a wheel change and ensures the successful completion of a project.

PREMIUM★★★ DRY CUTTING SAW BLADE DCU*** 4in1 - TGD



	Shape	Type no.	Dimension	Segment height	Classification
		C3W			
		736088	300x2.6x20	14	4in1
		22373	300x2.6x22.23	14	4in1
		59580	300x2.6x25.4	14	4in1
		736102	350x3.0x20	14	4in1
		22377	350x3.0x25.4	14	4in1
		59543	400x3.0x20	14	4in1
59545	400x3.0x25.4	14	4in1		

PREMIUM* DRY CUTTING SAW BLADE**
DCU***



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C6W	464545	300x2.6x20	12
		464546	300x2.6x22.23	12	
		464549	300x2.6x25.4	12	
		464551	350x3.0x20	12	
		464552	350x3.0x22.23	12	
		464553	350x3.0x25.4	12	
		464555	400x3.0x20	12	
		464556	400x3.0x25.4	12	

PREMIUM* DRY CUTTING SAW BLADE**
DCC***



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C6W	465493	300x2.6x20	12
		465494	300x2.6x22.23	12	
		465495	300x2.6x25.4	12	
		465496	350x3.0x20	12	
		465498	350x3.0x22.23	12	
		465499	350x3.0x25.4	12	
		465501	400x3.0x20	12	

PREMIUM★★★ DRY CUTTING SAW BLADE DCH★★★-TGD

+ **Low cutting costs**
because of high
cutting speed

+ **Reduced load for the user**
as a result of unique smooth
running



+ **Consistently fast cutting performance**, very long lifetime and noticeable smooth running with TGD® technology (Tyrolit Grain Distribution), a unique technology developed by Tyrolit for the optimised distribution of grain

+ **No reworking**
due to very clean
cutting edges

Details: the DCH*** dry cutting saw blade, specially developed using TGD® technology for hard stone, impresses with its cutting ability and smooth running. Reduced effort over

the entire lifetime allows for higher productivity. The perfectly optimised segments for the application create very clean, chip-free edges and ensure a flawless result.

Materials able to be machined: Concrete blocks, granite, gneiss, porphyry, paving slab, etc.

PREMIUM★★★ DRY CUTTING SAW BLADE DCH***-TGD



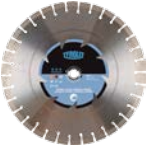

	Shape	Type no.	Dimension	Segment height	
		C3W	736095	300x2.6x20	14
			43485	300x2.6x25.4	14
			736105	350x3.0x20	14
			43490	350x3.0x25.4	14

PREMIUM* DRY CUTTING SAW BLADE**
DCH***



Materials able to be machined: Granite, gneiss, porphyry, paving slab, hard limestone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as

hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C6W	464702	300x2.6x20	12
			464703	300x2.6x22.23	12
			464706	300x2.6x25.4	12
			464707	350x3.0x20	12
			464710	350x3.0x22.23	12
			464711	350x3.0x25.4	12
			464712	400x3.0x20	12

PREMIUM* DRY CUTTING SAW BLADE**
DCA***



Materials able to be machined: Asphalt, sandstone, extremely abrasive materials. Details: protective segments against the undercutting-effect. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C7SW	465982	300x2.8x20	10
			465983	300x2.8x22.23	10
			465984	300x2.8x25.4	10
			465985	350x3.0x20	10
			465987	350x3.0x25.4	10

PREMIUM* DRY CUTTING SAW BLADE**
DCA+C***-2in1



Materials able to be machined: asphalt, green concrete with soft to hard material surcharges and a small amount of cured concrete. Details: protective segments against the undercutting-effect. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	Classification	
		C73SW	465640	300x2.6.20	10	2in1
			465642	350x3.0x25.4	10	2in1

STANDARD DRY CUTTING SAW BLADE**
DCU**



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C3W	464853	300x2.6x20	10
		464854	300x2.6x22.23	10	
		464855	300x2.6x25.4	10	
		464858	350x3.0x20	10	
		464859	350x3.0x25.4	10	
		465667	400x3.2x20	10	

STANDARD DRY CUTTING SAW BLADE**
DCU**-FC



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification	
		C3R	467433	300x3.0x20	10	FASTCUT
		467434	300x3.0x22.23	10	FASTCUT	
		467435	300x3.0x25.4	10	FASTCUT	
		467436	350x3.0x20	10	FASTCUT	
		467439	350x3.0x25.4	10	FASTCUT	

Diamond tools

STANDARD DRY CUTTING SAW BLADE**
DCC**



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3W	465503	300x2.6x20	10
		465505	300x2.6x22.23	10	
		465507	300x2.6x25.4	10	
		465509	350x3.0x20	10	
		465662	350x3.0x22.23	10	
		465512	350x3.0x25.4	10	
		485041	400x3.0x20	10	

STANDARD DRY CUTTING SAW BLADE**
DCC**-LL



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.
With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	Classification	
		C3W	484994	300x2.6x20	10	LONGLIFE
		484996	300x2.6x22.23	10	LONGLIFE	
		484999	300x2.6x25.4	10	LONGLIFE	
		485001	350x3.0x20	10	LONGLIFE	
		485003	350x3.0x22.23	10	LONGLIFE	
		485004	400x3.2x20	10	LONGLIFE	

STANDARD DRY CUTTING SAW BLADE**
DCA**



Materials able to be machined: Asphalt, sandstone, extremely abrasive materials. Details: protective segments against the undercutting-effect. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof

glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C1SW	465519	300x2.8x20	10
		465520	350x3.0x20	10	
		465522	350x3.0x25.4	10	
		465525	400x3.2x25.4	10	
		465526	450x3.6x25.4	10	

BASIC* DRY CUTTING SAW BLADE
DCU*



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	
		C3W	466093	300x2.6x20	10
		466094	300x2.6x22.23	10	
		466095	300x2.6x25.4	10	
		466096	350x3.0x20	10	
		466098	350x3.0x22.23	10	
		466099	350x3.0x25.4	10	
		529399	400x3.2x25.4	10	
		529401	450x3.2x25.4	10	

Diamond tools

BASIC★ DRY CUTTING SAW BLADE
DCU*-FC



Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards.

With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

	Shape	Type no.	Dimension	Segment height	Classification
		C3W 467280	300x3.0x20	10	FASTCUT
		467281	300x3.0x22.23	10	FASTCUT
		467282	300x3.0x25.4	10	FASTCUT
		467285	350x3.0x20	10	FASTCUT
		467288	350x3.0x22.23	10	FASTCUT
		467289	350x3.0x25.4	10	FASTCUT

BASIC★ DRY CUTTING SAW BLADE
DCH*



Materials able to be machined: Granite, porphyry, paving slab, hard limestone, etc. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such

as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height
		C3W 467391	300x2.6x20	10
		467392	300x2.6x22.23	10
		467394	300x2.6x25.4	10
		467395	350x3.0x20	10
		467396	350x3.0x22.23	10
		467400	350x3.0x25.4	10

BASIC★ DRY CUTTING SAW BLADE
DCA*



Materials able to be machined: Asphalt, sandstone, extremely abrasive materials. TYROLIT provides laser welded and directly sintered dry cutting saws that meet the highest quality and safety standards. With TYROLIT dry cutting saws, even plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such

as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.



	Shape	Type no.	Dimension	Segment height	
		C1SW	465649	300x2.8x20	10
		465656	300x2.8x22.23	10	
		465650	300x2.8x25.4	10	
		465651	350x3.0x20	10	
		465652	350x3.0x25.4	10	
		529402	400x3.2x25.4	10	
		529403	450x3.6x25.4	10	

BASIC★ DRY CUTTING SAW BLADE
DCA+C* 2in1



Machines up to 15 kW | soft to medium-hard aggregates. Materials able to be machined: Green concrete, asphalt and a small amount of cured concrete. Details: all diameters are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws. Suitable for cutting

expansion joints, widening grooves and bevelling groove edges (groove depths of up to 15 cm). Tools for larger cutting depths are available on request. Large assortment of products ensures the optimum tool for varying construction site requirements in terms of concrete quality, maturity and choice of machine.

	Shape	Type no.	Dimension	Segment height	Classification	
		C1SW	736309	300x2.8x20	10	2in1
		736311	300x2.8x25.4	10	2in1	
		736313	350x3.0x20	10	2in1	
		80653	350x3.0x25.4	10	2in1	

Diamond tools



5.4 DIAMOND SAWS
FLOOR SAW






DIAMOND SAW BLADES FOR FLOOR SAWS




Decades of experience in the production and application of floor saws and machines give TYROLIT the edge in the marketplace. As a result, our products can be seen as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

TYROLIT floor saw blades are designed to work perfectly with TYROLIT Hydrostress machines as well as all common floor saws.

- + Exceptional and consistent cutting performance coupled with a long service life
- + Universal use
- + Innovative diamond segment design
- + Quiet when working on reinforced concrete
- + Clean cutting edges
- + Large product range: diameters from 300 – 1200 mm in various segment widths

Application recommendation

Performance level	Specification	Pages	  		
			Cured concrete	Asphalt	Green concrete
PREMIUM***	FSC***	338	●		
	FSA***	338		●	
	DCA+C*** 2in1	338		●	●

Performance level	Specification	Pages	  		
			Cured concrete	Asphalt	Green concrete
BASIC★	DCU*	339	●		
	DCA*	339		●	
	DCA+C* 2in1	339		●	●

Items with grey lettering are only available on request.

Shapes



C1SW floor saw blade



C3W floor saw blade



C1S floor saw blade



C7W floor saw blade



C5 floor saw blade

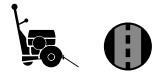


C7SW floor saw blade



C73SW floor saw blade

PREMIUM★★★ FLOOR SAW BLADE | ASPHALT FSA***

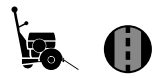


Machines up to 15 kW | soft to very hard aggregates. Details: laser welded up to a diameter of 600 mm. with protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect) and measuring bore for easy wear control of the segment height. A 35-25.4 mm reduction bush is supplied for saw blades with a 35 mm bore. Suitable for repairing asphalt road surfaces, installation work (cables,

conduits, etc.) as well as removing damaged asphalt surfaces up to a thickness of 32 cm. The tools boast an extremely high cutting rate, long lifetime and a low cutting pressure to protect the machine.

	Shape	Type no.	Dimension	Segment height	
		C7SW	574838	300x3.2x25.4	9
			574844	350x3.2x25.4	9
			574845	400x3.2x25.4	9
			574846	450x3.6x25.4	9
			574848	500x3.6x25.4	9
			574850	600x3.6x25.4	9

PREMIUM★★★ FLOOR SAW BLADE | CURED CONCRETE FSC***



Machines up to 15 kW | soft to medium-hard aggregates. Details: Laser welded up to a diameter of 600 mm. Equipped with measuring bore for easy wear control of the segment height. A 35-25.4 mm reduction bush is supplied for saw blades with a 35 mm bore. Suitable for repairing, dismantling and demolishing roads and factory

buildings. Can also be used to remove damaged concrete slabs and to break through stonework up to 32 cm thick. The tools boast an extremely high cutting rate, long lifetime and a low cutting pressure to protect the machine.

	Shape	Type no.	Dimension	Segment height	
		C7W	574853	300x3.2x25.4	12
			574854	350x3.2x25.4	12
			574855	400x3.2x25.4	12
			574856	450x3.6x25.4	12
			574857	500x3.6x25.4	12
			574858	600x3.6x25.4	12

PREMIUM★★★ FLOOR SAW BLADE | GREEN CONCRETE DCA+C*** -2in1



Machines up to 15 kW | soft to medium-hard aggregates. Materials able to be machined: Green concrete, asphalt and a small amount of cured concrete. Details: all diameters are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws. Suitable for cutting expansion joints, widening grooves and bevelling

groove edges (groove depths of up to 15 cm). Tools for larger cutting depths are available on request. Large assortment of products ensures the optimum tool for varying construction site requirements in terms of concrete quality, maturity and choice of machine. The tools boast an extremely high cutting rate, very long lifetime and a low cutting pressure to protect the machine.

	Shape	Type no.	Dimension	Segment height	
		C73SW	465640	300x2.6x20	10
			465642	350x3.0x25.4	10

BASIC★ FLOOR SAW BLADE | GREEN CONCRETE
DCA+C* 2in1

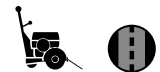


Machines up to 15 kW | soft to medium-hard aggregates. Materials able to be machined: Green concrete, asphalt and a small amount of cured concrete. Details: all diameters are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws. Suitable for cutting

expansion joints, widening grooves and bevelling groove edges (groove depths of up to 15 cm). Tools for larger cutting depths are available on request. Large assortment of products ensures the optimum tool for varying construction site requirements in terms of concrete quality, maturity and choice of machine.

	Shape	Type no.	Dimension	Segment height	Classification
		C1SW 736309	300x2.8x20	10	2in1
		736311	300x2.8x25.4	10	2in1
		736313	350x3.0x20	10	2in1
		80653	350x3.0x25.4	10	2in1

BASIC★ FLOOR SAW BLADE | ASPHALT
DCA*

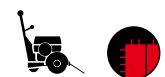


Machines up to 15 kW | soft to medium-hard aggregates. Details: All tools are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws.

Suitable for repairing asphalt road surfaces, installation work (cables, conduits, etc.) as well as removing damaged asphalt surfaces up to a thickness of 16 cm. The tools boast a high cutting rate and long lifetime.

	Shape	Type no.	Dimension	Segment height
		C1SW 465650	300x2.8x25.4	10
		465652	350x3.0x25.4	10
		529402	400x3.2x25.4	10
		529403	450x3.6x25.4	10

BASIC★ FLOOR SAW BLADE | CURED CONCRETE
DCU*



Machines up to 15 kW | soft to medium-hard aggregates. Details: All tools are laser welded. Also suitable for petrol cutting saws. Suitable for repairing, dismantling and demolishing roads and factory buildings. Can also be used to remove damaged concrete slabs and to

break through stonework up to 16 cm thick. The tools boast a high cutting rate and long lifetime

	Shape	Type no.	Dimension	Segment height
		C3W 466095	300x2.6x25.4	10
		466099	350x3.0x25.4	10
		529399	400x3.2x25.4	10
		529401	450x3.6x25.4	10





5.5 DIAMOND SAWS
TABLE SAWS



DIAMOND SAW BLADES FOR TABLE SAWS

TYROLIT table saw blades impress with an excellent cutting performance and a long lifetime. They are optimised for the relevant material or application.

TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.

Application recommendation



Performance level	Specification	Pages	Universal	Hard stone	Engineering bricks	Abrasive materials	Soft stone	Tiles
PREMIUM★★★	EB-T***	344	•					
	EH-T***	345		•				
	TSS10***	346			•			
	F40***	345				•		
	ES-T***	344					•	
	DCT***	345						•



Performance level	Specification	Pages	Universal
STANDARD★★	XB-T**	2in1 346	•

Items with grey lettering are only available on request.

Shapes



C1W table saw blade



C2W table saw blade



C1 table saw blade



C2 table saw blade



C5 table saw blade








1A1R table saw blade

PREMIUM*** TABLE SAW BLADE EB-T***



Materials able to be machined: cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35-30 mm and 30-25.4 mm reduction bushes are included with disc diameters up to 900 mm. A 60-55 mm reduction bush is supplied with disc diameters of 900 mm and upwards. TYROLIT table saw blades impress with an excellent cutting performance

and a long lifetime. TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.



	Shape	Type no.	Dimension	Segment height	
		C2W	5692	250x2.2x35	7
			5693	300x2.4x35	7
			5696	350x2.8x35	7
			5707	400x3.2x35	7
		C1W	5708	500x3.6x35	7
			5715	600x3.6x35	7
			5720	625x3.6x35	7
		C5	5721	650x3.9x35	7
		C1	5723	900x4.7x60	7
			175115	1000x4.7x60	7

PREMIUM*** TABLE SAW BLADE ES-T***



Materials able to be machined: soft stone, such as marble and sand-lime brick. Details: 35-30 mm and 30-25.4 mm reduction bushes are supplied. TYROLIT table saw blades impress with an excellent cutting performance and a long lifetime.

TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.



	Shape	Type no.	Dimension	Segment height	
		C2	5684	300x2.4x35	7
			5685	350x2.8x35	7

PREMIUM*** TABLE SAW BLADE DCT***



Materials able to be machined: ceramic tiles, fine stoneware, porcelain, terrazzo slabs. Details: ultra-thin saw blades with excellent properties. 35-30 mm and 30-25.4 mm reduction bushes are supplied. TYROLIT table saw blades impress with an excellent cutting performance

and a long lifetime. TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.



	Shape	Type no.	Dimension	Segment height	
		1A1R	639566	180x1.4x35	10
			701934	200x1.6x35	10
			639568	230x1.6x35	10
			639569	250x1.6x35	10
			639570	300x2.0x35	10
			639571	350x2.0x35	10

PREMIUM*** TABLE SAW BLADE EH-T***



Materials able to be machined: granite, gneiss, hard sand-lime brick, hard clay brick. Details: 35-30 mm and 30-25.4 mm reduction bushes are supplied. TYROLIT table saw blades impress with an excellent cutting performance

and a long lifetime. TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.



	Shape	Type no.	Dimension	Segment height	
		C2W	5687	250x2.2x35	7
			5688	300x2.6x35	7
			5689	350x2.8x35	7

PREMIUM*** TABLE SAW BLADE F40***



Materials able to be machined: type F40 is designed primarily for refractory cutting. TYROLIT table saw blades impress with an excellent cutting performance and a long lifetime.

TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.

	Shape	Type no.	Dimension	Segment height	
		C2W	817606	300x2.4x25.4	7
			817603	350x2.8x25.4	7
			817607	400x3.2x25.4	7
			547136	500x3.6x25.4	7



PREMIUM*** TABLE SAW BLADE

TSS10***



Materials able to be machined: type TSS10 has been specially designed for the machining of engineering bricks (e.g. Stradalit). Details: 35-30 mm and 30-25.4 mm reduction bushes are supplied. TYROLIT table saw blades impress with an excellent cutting performance and a long lifetime. TYROLIT table saw blades are developed to work perfectly with TYROLIT

Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.

	Shape	Type no.	Dimension	Segment height
		C1 894258	350x2.8x35	9








STANDARD** TABLE SAW BLADE

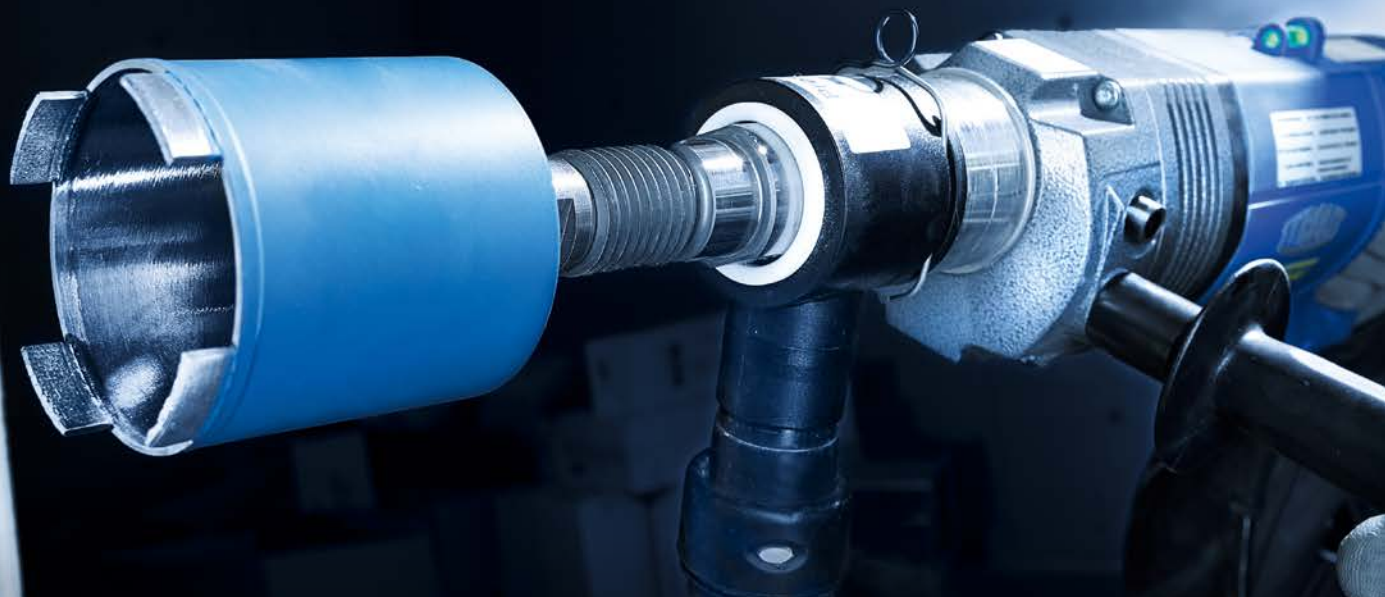
XB-T**



Materials able to be machined: cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35-30 mm and 30-25.4 mm reduction bushes are included with diameters up to 600 mm. A 60-55 mm reduction bush is supplied with diameters of 625 mm and upwards. TYROLIT table saw blades impress with an excellent cutting performance

and a long lifetime. TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore meet all cutting work challenges and deliver the best results.

	Shape	Type no.	Dimension	Segment height	Classification
		C2W 284967	250x2.2x35	7	
		284968	300x2.4x35	7	
		284969	350x2.8x35	7	
		284970	400x3.2x35	7	
		C1W 462504	500x3.2x35	9	
		462506	600x3.6x35	9	
		355613	625x3.6x60	9	
		C1 355631	650x3.9x60	9	
		355633	700x3.9x60	9	
		338399	900x4.8x60	9	
		C5 437376	1000x4.8x60	9	
		C2GW 188495	350x2.8.35	7	SILENT
	C1GW 203258	700x3.9x60	7	SILENT	



5.6 DRY DRILL BITS

CORE DRILLING



DRILL BITS FOR DRY DRILLING

TYROLIT dry drill bits combine with the TYROLIT DME18SD 1.8 kW drill motor to create a perfect dry drilling system.

Openings in the lid allow the connection of an industrial suction unit for 100% dust extraction, thus saving on time-intensive reworking.

Selecting the right dry drill bit

DIAMETER	≤ 82 mm	≥ 91 mm
SPEED	2,000-3,000 rpm	1,000-1,500 rpm
Plasterboard Cellular concrete Plastic tubes (PVC, PP, PE) Soft fire-resistant bricks Sandstone, porous natural stone Tiles Roof tiles Clinker Fine stoneware	Without hammer operation	
Soft sand-lime brick Clay brick Lightweight concrete slabs Woodchip-concrete blocks and slabs Fireclay bricks	Hammer operation recommended (no drill hammer)	
Concrete block Hard sand-lime brick Terrazzo Concrete Lightly reinforced concrete	Hammer operation required (no drill hammer)	

PREMIUM* DRY DRILL BITS**
DDL***



The newly developed premium dry drill bit impresses in all manner of ways. The patented manufacturing process with segments of just 3 mm wide not only achieves a dramatic reduction in weight for significantly shorter drilling times, but also reduces the pressure and formation of dust. TYROLIT dry drill bits combine with the TYROLIT DME18SD*** 1.8 kW drill

motor to create the perfect dry drilling system. Openings in the lid allow the connection of an industrial suction unit for 100% dust extraction, thus saving on time-intensive reworking.

	Type no.	Dimension	Segment height
	HOLT 597949	67x70xM16	9
	597950	81x70xM16	9
	479949	51x150xM16	9
	532197	55x150xM16	9
	499798	61x150xM16	9
	499802	67x150xM16	9
	532198	71x150xM16	9
	475894	81x150xM16	9
	532200	91x150xM16	9
	499803	101x150xM16	9
	532201	106x150xM16	9
	532202	111x150xM16	9
	532204	116x150xM16	9
	532205	121x150xM16	9
	499804	126x150xM16	9
	532206	131x150xM16	9
532207	141x150xM16	9	
532208	151x150xM16	9	

STANDARD DRY DRILL BITS**
DDL**



Quality tool for daily use, impressive performance and lifetime. TYROLIT dry drill bits combine with the TYROLIT DME18SD*** 1.8 kW drill motor to create the perfect dry drilling system. Openings in the lid allow

the connection of an industrial suction unit for 100% dust extraction, thus saving on time-intensive reworking.

	Type no.	Dimension	Segment height
	HOLT	899272	32x150xM16
		899271	42x150xM16
		252911	52x150xM16
		252912	56x150xM16
		252913	62x150xM16
		252914	68x150xM16
		252915	72x150xM16
		252916	82x150xM16
		252917	92x150xM16
		252918	102x150xM16
		252919	107x150xM16
		252920	117x150xM16
		252921	127x150xM16
		252923	162x150xM16
252924	200x150xM16		

BASIC* DRY DRILL BITS
DDL*



Perfect tool for installing sockets and junction boxes as well as smaller breakthrough jobs. TYROLIT dry drill bits combine with the TYROLIT DME18SD*** 1.8 kW drill motor to create the perfect dry drilling system. Openings in the lid allow

the connection of an industrial suction unit for 100% dust extraction, thus saving on time-intensive reworking.








	Type no.	Dimension	Segment height
	HOLT	650292	68x70xM16
		650293	82x70xM16

ACCESSORIES DRY DRILL BITS

Connections for all common machines



Adapter suitable for all commercial machines - with and without soft impact drill bit connection: M16. Accessories for TYROLIT PREMIUM*** and BASIC* dry drill bits guarantee optimum results on all commercial machines – with and without soft impact.




	Type no.	Connection to machine	Pilot drills / centring spikes
	850026	5/8"	SDS pilot drill
	850011	HEX SW12	SDS pilot drill
	116264	HEX SW12	Cone pilot drill
	707827	HEX SW12	Centring spike 120/233 mm
	707831	SDS	Centring spike 120/233 mm
	707834	M18 x 2.5	Centring spike 120/233 mm
	707824	5/8"	Centring spike 120/233 mm

ACCESSORIES DRY DRILL BITS

Compact universal dust extraction system



Dust extraction adapter compatible with all drilling diameters. Accessories for TYROLIT PREMIUM*** and BASIC* dry drill bits guarantee optimum results on all commercial machines – with and without soft impact.


	Type no.	Designation	Product info
	10983845	Centering spike 120 mm	BASIC* drill PREMIUM*** NL 70 mm drill
	10986189	Centering spike 233 mm	NL 150 mm drill
	10986190	Strap wrench	For releasing the drill bit from the dust extraction adaptor
	10983964	Dust extraction adapter with M16 connection	For connecting to an industrial vacuum cleaner

ACCESSORIES DRY DRILL BITS

Centring aids



Pilot drill with SDS connection or cone facilitates the precise positioning of the drill bits and enables exact results. When using a centring shaft, openings can also be made in 30 cm thick walls using 150 mm drill bits. Accessories for TYROLIT PREMIUM*** and BASIC* dry drill bits guarantee optimum results on all commercial machines – with and without soft impact.

	Type no.	Designation	Product info
	579420	Pilot drill SDS 160 mm	NL 60/70 mm drill
	579424	Pilot drill SDS 260 mm	NL 150 mm drill
	116263	Pilot drill A-taper 160 mm only for adaptor 116254	NL 60/70 mm drill
	579503	Centering shaft SDS 250 mm	NL 150 mm drill

PREMIUM* TILE DRILLS**
DDT***



TYROLIT vacuum brazed diamond coring bit for all ceramic tiles, fine stoneware and marble slabs. Maximum drilling comfort, suitable for universal use with M14 connection for angle grinders, and adapter for drilling machines. Suitable for dry and wet drilling. Perfect, chip-free drilling in tiled and sanitary areas.

	Type no.	Diameter	Length	Mounting	Segment height
	HOLT 69833	6	45	HEX	4
	69848	8	45	HEX	4
	69855	10	45	HEX	4
	69856	12	45	HEX	4
	69860	14	45	HEX	4
	69769	20	45	M14	4
	69768	38	45	M14	4
	69767	52	45	M14	4
	69766	65	45	M14	4
	51392	75	45	M14	4

PREMIUM* TILE DRILL-SET**
DDT***



The TYROLIT tile drill-set consists of universally applicable, vacuum-brazed diamond core bites for vacuum-brazed tile drill-set for universal use and maximum drilling comfort. The drills are equipped with with M14 connector for angle grinders as well as adaptors for drill motors. Our products are suitable for dry and wet drilling and always deliver perfect, chip-free drilling holes in tiles and sanitary ware.

For easy use and mounting the set contains different adaptors, an allen key as well as a pilot drill for exact and accurate work.

	Type no.	Contents
	51470	ø 20, 38, 52, 65, 75 mm M14/HEX adapter M14/SDS adapter Allen key 6x110 pilot drill A/F 19 wrench



5.7 WET DRILL BITS CORE DRILLING



DRILL BITS FOR WET DRILLING

Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace.

As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use. Especially suitable for drilling reinforced or normal concrete. Can be operated on a drill rig or hand-held.

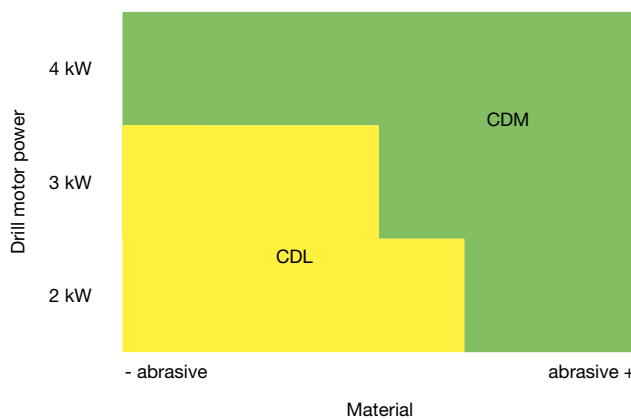
TYROLIT core drill bits are designed to work perfectly with TYROLIT Hydrostress machines.

Speeds

DIAMETER	SPEED	Drive power
Concrete (2-3 m/s)		
mm	rpm	kW
18	2,100-3,200	1
32	1,200-1,800	
42	900-1,400	2
52	750-1,100	
62	620-950	3
72	550-800	
82	470-700	4
102	370-550	
122	310-470	3
152	250-380	
162	240-350	4
182	210-320	
202	190-280	3
250	150-230	
300	130-190	4
400	100-140	
500	80-120	4

Information/ Recommendations

- + Highest levels of performance at peripheral speeds of 2-3 m/s on concrete (1.2-1.8 m/s on reinforced concrete, 3.2-3.8 m/s on very abrasive materials).
- + Above drill diameters of 450 mm, large diameter flange (GR-F) is recommended as drill adaptor. Drill range with GR-F adaptor on request.
- + The correct drill rig mounting is essential.
- + The correct coolant quantity is also important for the optimum drilling performance ("milky" consistency of the water).
- + The machine application and safety information must be read and understood before starting work. The drilling safety manual will be sent to you on request.



Service

- + Products for concrete (asphalt, masonry, steel and special applications on request).
- + Mountings and connection threads available to comply with local standards and tailored to suit all types of motors (electric, hydraulic).
- + Perfect system solution in conjunction with TYROLIT Hydrostress drill motors and drill rigs.
- + Extensive range of accessories available.
- + Special dimensions and individual solutions available on request.
- + We will be pleased to provide technical support and system solutions for special construction sites.

STANDARD** WET DRILLING BITS CDL**




Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Details: quality tools for everyday use. An impressive drilling speed-lifetime ratio. Universal use, lasting quality. Laser welded segments up to a diameter of 250 mm for maximum safety.

Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace.

As a result our products can be viewed as innovative solutions for large-

scale projects while remaining cost-effective for everyday construction site use. Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Diameter	Length	Segment height	Connection	
	HOHL3	475019	32	400	7	R1/2"
		475024	42	450	7	R1/2"
	HOHL1D	466842	52	450	8.5	11/4"
		466843	62	450	8.5	11/4"
		466844	72	450	8.5	11/4"
		466845	82	450	8.5	11/4"
		466846	92	450	8.5	11/4"
		466847	102	450	8.5	11/4"
		466848	107	450	8.5	11/4"
		466849	112	450	8.5	11/4"
		466850	122	450	8.5	11/4"
		466852	127	450	8.5	11/4"
		466853	132	450	8.5	11/4"
		500056	142	450	8.5	11/4"
		466854	152	450	8.5	11/4"
		466855	162	450	8.5	11/4"
		466856	182	450	8.5	11/4"
		466857	202	450	8.5	11/4"
		466858	250	450	8.5	11/4"

STANDARD WET DRILLING BITS**
CDM**



Drill motors over 3 kW | medium-hard to hard concrete aggregates. Details: quality tools for everyday use. an impressive drilling speed-lifetime ratio. Universal use, lasting quality. Laser welded segments up to a diameter of 250 mm for maximum safety. Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-

scale projects while remaining cost-effective for everyday construction site use. Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.



	Type no.	Diameter	Length	Segment height	Connection
HOHL1D	466887	52	450	8.5	1 1/4"
	476408	52	450	8.5	PIXIE
	466888	62	450	8.5	1 1/4"
	466889	72	450	8.5	1 1/4"
	500259	77	450	8.5	1 1/4"
	466890	82	450	8.5	1 1/4"
	476438	82	450	8.5	PIXIE
	466891	92	450	8.5	1 1/4"
	466892	102	450	8.5	1 1/4"
	476440	102	450	8.5	PIXIE
	466893	107	450	8.5	1 1/4"
	466894	112	450	8.5	1 1/4"
	476442	112	450	8.5	PIXIE
	466895	122	450	8.5	1 1/4"
	466896	127	450	8.5	1 1/4"
	466898	132	450	8.5	1 1/4"
	500268	142	450	8.5	1 1/4"
	546639	142	450	8.5	PIXIE
	466899	152	450	8.5	1 1/4"
	476449	152	450	8.5	PIXIE
	466900	162	450	8.5	1 1/4"
	476450	162	450	8.5	PIXIE
	466902	182	450	8.5	1 1/4"
	466903	202	450	8.5	1 1/4"
	476452	202	450	8.5	PIXIE
	500289	225	450	8.5	1 1/4"
	544172	225	450	8.5	PIXIE
	466904	250	450	8.5	1 1/4"
	476453	250	450	8.5	PIXIE

Diamond tools

STANDARD** WET DRILLING BITS

CDM** thin-walled




Medium-hard to hard concrete aggregates. Details: quality tools for everyday use. an impressive drilling speed-lifetime ratio. Universal use, lasting quality. 2.0 mm segment width up to a diameter of 121 mm and 2.5 mm segment width from a diameter of 131 mm upwards.

Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace.

As a result our products can be viewed as innovative solutions for large-

scale projects while remaining cost-effective for everyday construction site use. Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Diameter	Length	Segment height	Connection
	HOHL2 495674	36	350	7	R1/2"
	495817	41	350	7	R1/2"
	495818	51	350	7	R1/2"
	495820	61	350	7	R1/2"
	495824	71	350	7	R1/2"
	495826	81	350	7	R1/2"
	495830	91	350	7	R1/2"
	495832	101	400	7	R1/2"
	495833	111	400	7	R1/2"
	495834	121	400	7	R1/2"
	495836	131	400	7	R1/2"
	495837	141	400	7	R1/2"
	495838	151	400	7	R1/2"
	495841	161	400	7	R1/2"
	495842	171	400	7	R1/2"
	495843	181	400	7	R1/2"
495844	191	400	7	R1/2"	
495845	201	400	7	R1/2"	


ACCESSORIES WET DRILLING BITS

Adapter



Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Connection 1	Connection 2
	ADAPT 374035	1 1/4" F	R1/2" F
	381983	R1/2" M	1 1/4" M
	462700	HT 1.5 F	1 1/4" M
	681095	HT 2 F	1 1/4" M
	759007	R1/2" M	10
	909220	1 1/4" F	3-LOCH

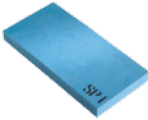
ACCESSORIES WET DRILLING BITS

Sharpening plates



Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Length	Height	Width
	SP1 497322	55	25	320
	484627	160	30	320
	484672	320	55	320

ACCESSORIES WET DRILLING BITS

Brazing magnets



Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Length	Protrusion 1	Protrusion 2
	HMAG 529455	56	0.75	1
	529456	56	0.5	1.25


ACCESSORIES WET DRILLING BITS

Extensions



Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Length	Connection
	HVERL 400439	100	R1/2"
	378198	100	1 1/4"
	359475	200	R1/2"
	359471	200	1 1/4"
	359476	300	R1/2"
	359472	300	1 1/4"
	889232	400	R1/2"
	359473	400	1 1/4"
	707230	500	R1/2"
	359474	500	1 1/4"


ACCESSORIES WET DRILLING BITS

Water liners



Decades of experience in the production and application of core drill bits and drilling machines give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Especially suited to drilling reinforced or normal concrete. Can be operated on drill rigs or off-hand. TYROLIT core drill bits are developed to work perfectly with TYROLIT Hydrostress machines.

	Type no.	Connection
	WSPB 478074	SW12
	122567	1 1/4"
	122569	R1/2"



Diamant-
werkzeuge





5.8 TYROLIT MACHINES OVERVIEW

TILE SAW TTE250★★★

CUTTING DEPTH UP TO 60 mm

Large cutting lengths from a short total saw length

Clean cut thanks to precise saw table guidance. Practical handling and easy to transport due to compact design and lightweight construction. Exceptionally easy to clean due to detachable water tank made from robust, high quality plastic. Maximum safety due to centrally located emergency stop switch. Highly flexible with a range of adjustment and application options.



MASONRY SAW TBE350★★

CUTTING DEPTH UP TO 110 mm

Uncompromising price-performance ratio

Clean cut thanks to sturdy saw table with anti-slip support. Mitre cutting made extremely easy with swivelling saw head. Permanent tool cooling and reduction of servicing requirements to a minimum due to anti-contamination positioning of water pump. Easy to transport thanks to detachable table feet. Maximum safety due to centrally located emergency stop switch. Highly flexible with a range of adjustment and application options.



DRILL MOTOR DME22SU★★

CORE DRILLING UP TO Ø 180 mm

Ideal for electrical and installation work

Easy handling due to adjustable side handle and soft start. Optimum speeds thanks to three-speed transmission and variable speed setting. Safe working due to integrated overload cut-outs and PRCD safety switch. Dry drilling is possible with the included M16 adapter.



DRILL RIG DRA150★★

CORE DRILLING UP TO Ø 150 mm

Ideal for electrical and installation work

Suitable for 550 mm long drill bits. 90°-45° diagonal adjustment with angle indicator. Easy handling due to centre indicator, spirit levels and carrying handle. Secure attachment by means of dowel foot.



CORE DRILLING SYSTEM DRS160★★

CORE DRILLING UP TO Ø 160 mm

The ideal core drill entry model

Optimally matched system solution consisting of drill motor and drill rig. Easiest handling using preset speed and compact lightweight construction. Controlled working and overloading prevention thanks to LED-based electronic load indicator. Maximum safety due to integrated PRCD safety switch.



CORE DRILLING SYSTEM DRU160★★★

CORE DRILLING UP TO Ø 160 mm

CORE DRILLING UP TO Ø 160 mm

The lightweight among drill rigs up to Ø 160 mm

Precise drilling thanks to optimised support with sturdy roller guide. Quick mounting of common drill motors with standardised clamping collar system. Time-saving drill rig set-up by means of centre indicator, angle indicator and spirit level. Convenient operation via user-friendly hand crank. Maximum flexibility thanks to dowel or vacuum attachment facility. Simplified adjustment tasks and utilisation of the entire drill bit length due to intelligent system design.



CORE DRILLING SYSTEM DRA250★★★ DRU250★★★ CORE DRILLING UP TO Ø 250 mm

Impressive stability and drilling performance through sturdy processing and robust drilling columns with wide gear teeth

Precise drilling thanks to optimised support with sturdy roller guide. Easy transport along with simple assembly and disassembly due to compact lightweight construction. Quick and safe drill motor mounting using proven ModulDrill quick change clamping system. Convenient operation using two speed feed gearbox and user-friendly hand crank. Easy diagonal drilling using integrated angle indicator. Maximum flexibility thanks to dowel or vacuum attachment facility.



FLOOR SAW FSG513 CUTTING DEPTH UP TO 170 MM

Excellent cutting behaviour through intelligent weight distribution.

Easy handling due to ergonomically arranged control panel. High resilience and vibration reduction thanks to extremely robust, high quality chassis. Increased flexibility with left and right cutting function and corner cutting function. Safe and easy to transport using balanced transport hook. Optimum tool cooling is provided via the proven water supply system. Service-friendly machine design. Reliable Honda petrol engine with cyclone air filter. Precise cutting using standard cut indicator. Maximum safety due to centrally located emergency stop switch and integrated brake.





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SAFETY

SafetyBrand TYROLIT

Our aim was and is to make our products even safer for our users:

Through our work as the founder member of the “Organisation for the Safety of Abrasives (oS^a)”, through close cooperation with the safety authorities and through practical communication with our users all over the world.

aim of oSa[®]

The main aim of oSa[®] is defined in terms of absolute protection for the users of grinding tools, whereby members undertake to provide a consistently high level of quality, adopt a rigorous approach towards quality assurance and strive to develop new, improved standards of safety.



TYROLIT Quality Management System

The TYROLIT quality management system has been certified to ISO 9001:2000 by an external authorised body for the entire production area. Production is carried out in accordance with European Standards:

- EN12413 for grinding wheels made of bonded abrasives
- EN13236 for grinding wheels made of diamond or boron nitride
- EN13743 for special abrasives on an underlay such as vulcanised fibre grinding wheels, flap grinding wheels, flap discs and mounted points.

On account of the fact that in the approval principles (EN-Standard) very high requirements are set on the grinding tools concerning defined technical grinding parameters, TYROLIT basically delivers all grinding tools corresponding to these principles. As a result we guarantee a constantly high safety level, also in countries without compulsory approvals.

Final Inspection

TYROLIT is constantly doing final inspections concerning imbalance, bursting tests, cutting & grinding tests according to EN12413.

Resin bonded products undergo a final inspection regarding a visual and identification test, a geometry, imbalance, bursting and side load test as well as a control grinding and cutting process.

Resin and ceramic bonded products undergo a final inspection regarding a visual and identification test, a geometry, imbalance, bursting and side load test as well as a test run, a sound test.

Safety

The following plays an equal part when it comes to safety when grinding: machine manufacturer, grinding wheel producer and user.

Grinding wheels are subject to a high load during the grinding process. This is why grinding machines, grinding bodies, handling and application must be optimally harmonised to ensure safe grinding. For the grinding machines, it is generally important to observe the machine conditions and the stipulation of the protection cover.

Whereas the manufacturer implements the safety measures in line with regulations in relation to the grinding machine and grinding wheels, the user is responsible for safety when grinding through use of the grinding machine for the intended purpose, as well as through correct handling and application of the grinding wheels.

the following must be observed:

- Checking of grinding bodies on delivery
- Handling and storage of grinding bodies
- Labelling, synchronisation with machine data
- Checking of grinding wheels prior to clamping
- Clamping methods for grinding wheels
- Test run of grinding bodies prior to start-up
- Eye protection and protective clothing (see also FEPA safety code)

Storage of the grinding wheels

Grinding wheels are to be stored in suitable racks or containers so that they are not damaged and so that it is easily possible to remove wheels without disturbing the storage setup. Older stock should be used first.

During storage, the following must be noted

Store the grinding wheels in a dry, rust-free condition and do not expose grinding wheels to large temperature fluctuations.

Storage for different types of grinding bodies

- Store cut-off wheels on a level underlay without intermediate layers and weigh them down with a steel or cast iron plate
- Store large straight grinding wheels in an upright position and make sure they cannot roll away
- Stack cylinder wheels, cylindrical grinding discs and grinding plates using soft intermediate layers
- Stack grinding discs, shape 11, in each cases faces or bases together
- Store small grinding wheels in suitable containers

Checking of grinding wheels on delivery

Check packaging on delivery. If damage is visible on the packaging, the grinding wheel should be checked particularly thoroughly for any possible transport damage.

Identification of the grinding wheels

The purpose of the identification is to give people, in particular those who carry out the clamping of the grinding wheels, information for safe use and proper application.

grinding wheels may only be used if they are identified with the following minimum information

- manufacturer,
- dimensions of grinding wheel,
- material (at least the type of bond),
- maximum permissible RPM of new grinding wheel and maximum operating speed in m/s.

The user is obliged to match the machine speed to the maximum permissible speed given in the identification.

Checking of grinding wheels prior to clamping

Each time before clamping, the grinding wheels must be cleaned and checked for damage by means of visual inspection.

The sound test should be repeated. Damaged grinding wheels must not be mounted.

For the sound test, lightweight grinding wheels are pushed onto a mandrel or shaft, heavy grinding wheels are placed on a firm floor.

The grinding wheel is tapped with a non-metal object at several points.

An undamaged grinding wheel gives a clear ring, while a damaged one gives a dull or clanking sound.

All contact surfaces on grinding wheels, intermediate layers and wheel flanges must be level (flat) and be free from foreign bodies. Foreign particles between grinding wheels and wheel flanges create pressure points and stresses, which can lead to breakage of the grinding wheel.

Clamping methods for grinding wheels

Depending on the type of machine and grinding method, as well as the grinding wheel shape, a distinction can be made between the following clamping methods

- Mounting in the central bore using wheel flanges
- Mounting using embedded fixing elements
- Mounting using support plates
- Mounting using clamping head

Mounting in the central bore using wheel flanges

A distinction should be made between the following wheel flange types for central bores

- recessed wheel flange
- straight wheel flanges for portable grinding machines
- special flanges
- stepped flanges
- locating flanges and tapered wheel flanges.

The purpose of the wheel flanges is to transfer drive forces. They must therefore be in such a condition that there is no deformation of the wheel flange during clamping. The contact surfaces must be level (flat) and must not show any burring, and the run-out of the grinding wheel must be safeguarded.

Only wheel flanges that have the same external diameter and the same shape on the contact side may be used. They must be recessed so that only a ring-shaped area of the wheel flange is on the surface.

Clamping using embedded fixing elements

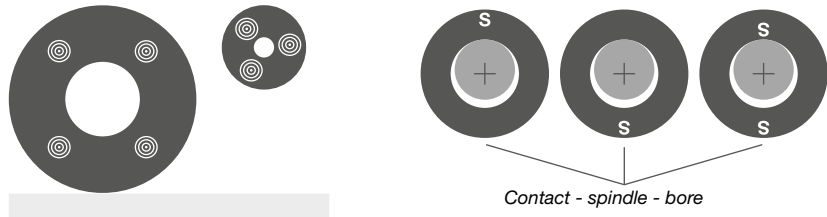
The grinding wheels are fixed using embedded fixing elements on the grinding machine. Examples of this are the clamping of cylindrical and taper cup wheels, or the fixing of mounted points with embedded steel shafts in collets on portable grinding machines.

Clamping of grinding wheels on support plates

The grinding wheels are either cemented or fixed with inserted nuts.

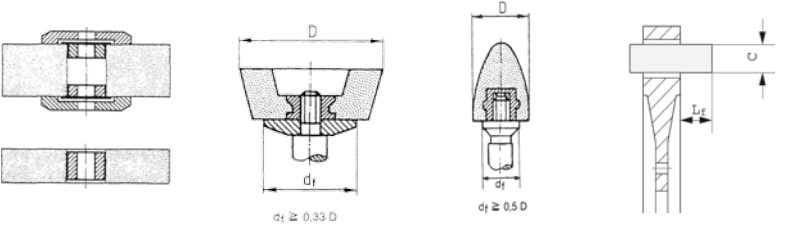
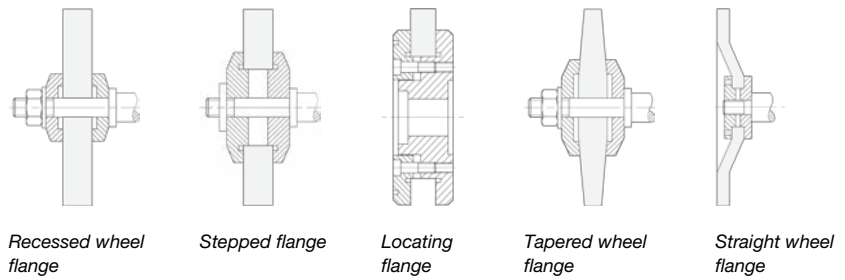
Clamping of grinding segments in clamping heads

Grinding segments are clamped to one grinding unit (segment head) in clamping heads. On the contact surfaces between the grinding segments and the clamping pieces, adhesive strips can be placed on the grinding segments to avoid stresses in the grinding segments.



⊙ Examples of tapping points during the sound test

Examples of identifying wheel orientation



Example of the correct way to use reducing rings
 Clamping of taper cup wheels with a thread insert
 Clamping of a grinding cone, shape 16, with a thread insert
 Clamping of grinding segments in clamping heads $L_f = 1.5 C$

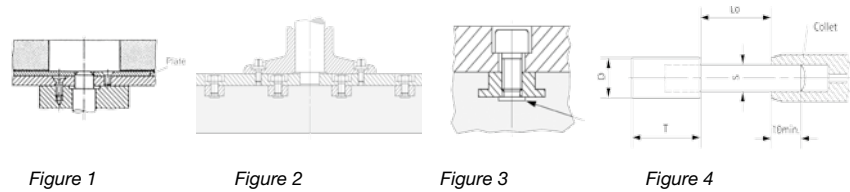


Fig. 1: Grinding wheel, cemented
 Fig. 2: Grinding wheel with inserted nuts
 Fig. 3: Correct bolt connection, bolt end must not touch the base of the grinding wheel
 Fig. 4: Clamping of mounted points

Test run prior to start-up

Every standard grinding wheel (D greater than 80mm) must undergo a test run at maximum operating speed before being used for the first time and after every re-mounting.

The duration of a test run for grinding wheels is on portable grinding machines 1/2 minute and on all other grinding machines 1 minute.

The test run may only be carried out once the danger zone has been secured and – where the grinding wheel must be used with the machine guard – this has been placed on it. The grinding wheel can only be used for the intended work once the test run has been passed without complaint.

Summary

The most important points for safe use of grinding wheels are summarised again below:

- Adjustment of the machine data to the identification data
- Checking of grinding wheels prior to mounting
- Mounting carried out by skilled people
- Checking of the functionality of the machine guard
- Test run of grinding wheels prior to grinding work
- Personal safety

Eye protection and protective clothing

All grinding tasks where people are at risk from flying particles off grinding wheels or workpieces must only be carried out using eye protection (safety glasses) and when necessary, other protective clothing (e.g. leather apron and leather gloves).

SAFETY INFORMATION



Use gloves



Use dust mask



Wet grinding



Not permitted for side grinding



Use eye protection



Personal safety



Dry grinding



No freehand work



Use ear protection



Pay attention to the safety recommendations



Do not use damaged wheels



Fe, S, Cl Frei

DO'S & DON'TS

- ✓ Handle and store grinding tools carefully; use the oldest tools first.
- ✓ Prior to mounting or use, grinding wheels must be cleaned and undergo a visual check for cracks or possible damage.
- ✓ Ceramic bonded grinding tools must undergo a sound check before mounting.
- ✓ Make sure that the speed of the machine (RPM) does not exceed the maximum operating speed specified on the packaging or on the abrasive.
- ✓ Ensure that the bore of the grinding tool – with or without thread – fits the shaft of the machine perfectly; and that the wheel flanges are clean, flat, the same size and suitable for the grinding tool to be clamped.
- ✓ As intended or supplied, use the intermediate layers between the grinding wheel and wheel flanges.
- ✓ Only use machines with protection/guards and ensure their proper condition and fixture before the machine is switched on.
- ✓ After each mounting, carry out a test run for at least one minute at the operating speed and ensure machine guard is mounted correctly. In doing so, ensure that any fragments would not be able to hit you or someone else in the event of a possible breakage.
- ✓ Eye protection is always recommended for all grinding processes. For off-hand grinding, protective goggles or a safety mask is recommended.
- ✓ When working with cut-off or roughing wheels, ensure that the air supply and protective measures sufficiently correspond with the material to be processed. Suitable extraction systems should be fitted for all dry grinding processes.
- ✓ Only use machines that are also suitable for grinding tools with hub.
- ✓ Before stopping the machine, cut off the supply of cooling lubricant and remove the excess cooling lubricant from the grinding wheel.
- × Do not use abrasives that are exposed to particularly humid/wet conditions or high temperatures prior to mounting.
- × Never use abrasives that have been dropped, damaged or that look like they would not be fit for purpose.
- × Never exceed the maximum permissible operating speed specified.
- × Do not use wheel flanges with surfaces that are not free of foreign bodies (e. g. grinding swarf), flat or burr-free.
- × Do not tighten the clamping device or wheel flange too much.
- × Do not use recessed wheel flanges or flanges with recesses for grinding discs or cones.
- × Never use force when clamping and do not make any changes to the grinding tool.
- × Only use one-way adapters (hubs) once.
- × Only switch on the machine when the protection cover is correctly and securely fixed (machine guards or covers should be set in such a way that they divert sparks and grinding particles away from the body).
- × Only start the machine if there is no contact between the workpiece and the grinding tool.
- × Never work with grinding tools without sufficient air supply (never without breathing apparatus and ear protection, particularly in enclosed spaces) and without personal safety equipment (see pictogram).
- × Use a suitable grinding tool – an unsuitable product can create excessive grinding particles and dust.
- × Avoid mechanical damage to the grinding wheel as a result of force effects, jolting or heating.
- × Never use grinding machines in an improper condition or that contain faulty components.
- × Do not use cut-off wheels for grinding work (do not exert a lateral load on any cut-off wheels of shape 41 or 42).
- × Never mount more than one grinding tool on one shaft.

SPEED RECOMMENDATIONS

Rotational speeds and peripheral speeds depending on the external diameter $\varnothing=D$ of the grinding wheels.

Rotations n per minute min ⁻¹ depends on external diameter D of grinding wheel and the maximum operating speed V_s											
D in mm	Maximum operating speed V_s in m/s										
	16	20	25	32	35	40	50	63	80	100	125
3											
4	75.300	95.400									
5	61.100	76.300	95.400								
6	50.900	63.600	79.500								
8	38.100	47.700	59.600	76.300	83.500	95.400					
10	30.500	38.100	47.700	61.100	66.800	76.300	95.400				
13	23.500	29.300	36.700	47.000	51.400	58.700	73.400	92.500			
16	19.000	23.800	29.800	38.100	41.700	47.700	59.600	75.200	95.400		
20	15.200	19.000	23.800	30.500	33.400	38.100	47.700	60.100	76.300	95.400	
25	12.200	15.200	19.000	24.400	26.700	30.500	38.100	48.100	61.100	76.300	95.400
32	9.540	11.900	14.900	19.000	20.800	23.800	29.800	37.600	47.700	59.600	74.600
35	8.730	10.900	13.600	17.400	19.000	21.800	27.200	34.300	43.600	54.400	68.200
40	7.630	9.540	11.900	15.200	16.700	19.000	23.800	30.000	38.100	47.700	59.600
50	6.110	7.630	9.540	12.200	13.300	15.200	19.000	24.000	30.500	38.100	47.700
63	4.850	6.060	7.570	9.700	10.600	12.100	15.100	10.000	24.200	30.300	37.800
80	3.810	4.770	5.960	7.630	8.350	9.540	11.900	15.000	19.000	23.800	29.800
100	3.050	3.810	4.770	6.110	6.680	7.630	9.540	12.000	15.200	19.000	23.800
115	2.650	3.320	4.150	5.310	5.810	6.640	8.300	10.400	13.200	16.600	20.700
125	2.440	3.050	3.810	4.880	5.340	6.110	7.630	9.620	12.200	15.200	19.000
150	2.030	2.540	3.180	4.070	4.450	5.090	6.360	8.020	10.100	12.700	15.900
175	1.740	2.180	2.720	3.490	3.810	4.360	5.450	6.870	8.730	10.900	13.600
180	1.690	2.120	2.650	3.390	3.710	4.240	5.300	6.680	8.480	10.600	13.200
200	1.520	1.900	2.380	3.050	3.340	3.810	4.770	6.010	7.630	9.540	11.900
225	1.350	1.690	2.120	2.710	2.970	3.390	4.240	5.340	6.790	8.480	10.600
230	1.320	1.660	2.070	2.650	2.900	3.320	4.150	5.230	6.640	8.300	10.300
250	1.220	1.520	1.900	2.440	2.670	3.050	3.810	4.810	6.110	7.630	9.540
300	1.010	1.270	1.590	2.030	2.220	2.540	3.180	4.010	5.090	6.360	7.950
350	870	1.090	1.360	1.740	1.900	2.180	2.720	3.430	4.360	5.450	6.820
400	760	950	1.190	1.520	1.670	1.900	2.380	3.000	3.810	4.770	5.960
450	670	840	1.060	1.350	1.480	1.690	2.120	2.670	3.390	4.240	5.300
500	610	760	950	1.220	1.330	1.520	1.900	2.400	3.050	3.810	4.770
600	500	630	790	1.010	1.110	1.270	1.590	2.000	2.540	3.180	3.970
700	430	540	680	870	950	1.090	1.360	1.710	2.180	2.720	3.410
750	400	500	630	810	890	1.010	1.270	1.600	2.030	2.540	3.180
800	380	470	590	760	830	950	1.190	1.500	1.900	2.380	2.980
900	330	420	530	670	740	840	1.060	1.330	1.690	2.120	2.650
1000	300	380	470	610	660	760	950	1.200	1.520	1.900	2.380
1060	280	360	450	570	630	720	900	1.130	1.440	1.800	2.250
1250	250	310	390	500	550	630	790	1.000	1.270	1.590	1.980
1500	200	250	310	400	440	500	630	800	1.010	1.270	1.590



QUICK PRODUCT SEARCH

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The list will help you to find the right product.

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



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20819	9003170208192		269	28692	9003170286923	9009010286924	54
20821	9003170208215		269	29238	9003170292382	9009010292383	110
20822	9003170208222		269	30741	9003170307413	9009010307414	29
20824	9003170208246		269	32023	9003170320238	9009010320239	59
20832	9003170208321	9009010208322	278	32141	9003170321419	9009010321410	29
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20834	9003170208345	9009010208346	278	33199	9003170331999	9009010331990	87
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21233	9003170212335	9009010212336	106	41493	9003170414937	9009010414938	28
21239	9003170212397	9009010212398	106	41494	9003170414944	9009010414945	29
21262	9003170212625		188	41495	9003170414951	9009010414952	29
21273	9003170212731	9009010212732	112	41499	9003170414999	9009010414990	29
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45422	9003170454223	9009010454224	109
45919	9003170459198	9009010459199	77
46586	9003170465861	9009010465862	77
46633	9003170466332	9009010466333	58
47763	9003170477635	9009010477636	77
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51841	9003170518413	9009010518414	22
51844	9003170518444	9009010518445	23
52433	9003170524339		188
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54072	9003170540728	9009010540729	112
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368008	9003173680087	9009013680088	81
368009	9003173680094	9009013680095	31
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386002	9003173860021	9009013860022	45
388126	9003173881262	9009013881263	240
390531	9003173905319	9009013905310	54
390532	9003173905326	9009013905327	54
396678	9003173966785	9009013966786	52
400439	9003174004394		362
401205	9003174012054	9009014012055	22
408229	9003174082293	9009014082294	52
408496	9003174084969	9009014084960	32
410277	9003174102779	9009014102770	45
415841	9003174158417	9009014158418	105
419688	9003174196884	9009014196885	44
422374	9003174223740	9009014223741	53
424846	9003174248460	9009014248461	93
432975	9003174329756	9009014329757	243
433019	9003174330196	9009014330197	245
433020	9003174330202	9009014330203	245
433039	9003174330394	9009014330395	245
433068	9003174330684	9009014330685	246
437376	9003174373766		346
439059	9003174390596	9009014390597	98
439061	9003174390619	9009014390610	98
441033	9003174410331	9009014410332	110
441203	9003174412038	9009014412039	98
441204	9003174412045	9009014412046	98
441206	9003174412069	9009014412060	98
441207	9003174412076	9009014412077	98
441219	9003174412199	9009014412190	98
441223	9003174412236	9009014412237	98
441224	9003174412243	9009014412244	98
441226	9003174412267	9009014412268	98
441227	9003174412274	9009014412275	98
441230	9003174412304	9009014412305	99
441231	9003174412311	9009014412312	98
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441246	9003174412465	9009014412466	99
441247	9003174412472	9009014412473	99
441248	9003174412489	9009014412480	99
441250	9003174412502	9009014412503	99
441353	9003174413530	9009014413531	99
454393	9003174543930	9009014543931	180
454396	9003174543961	9009014543962	180
455303	9003174553038	9009014553039	180
455312	9003174553120	9009014553121	180
455314	9003174553144	9009014553145	180
455318	9003174553182	9009014553183	179
455324	9003174553243	9009014553244	179
456491	9003174564911	9009014564912	34
457370	9003174573708	9009014573709	240
458028	9003174580287	9009014580288	173
458029	9003174580294	9009014580295	173
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458038	9003174580386	9009014580387	173
458040	9003174580409	9009014580400	173
458587	9003174585879	9009014585870	180
460744	9003174607441	9009014607442	53
462504	9003174625049		346
462506	9003174625063		346
462700	9003174627005		360
464537	9003174645375		309
464539	9003174645399		309
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464853	9003174648536		330
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464858	9003174648581		330
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465492	9003174654926		310
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465509	9003174655091		331
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465649	9003174656494		334
465650	9003174656500		334
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465667	9003174656678		330
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465674	9003174656746		316
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465686	9003174656869		316
465976	9003174659761		313
465977	9003174659778		313
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465982	9003174659822		329
465983	9003174659839		329
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466082	9003174660828		315
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466848	9003174668480		358
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466850	9003174668503		358
466852	9003174668527		358
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466902	9003174669029		359
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467276	9003174672760		315	474533	9003174745334	9009014745335	79
467280	9003174672807		333	474534	9003174745341	9009014745342	80
467281	9003174672814		333	474535	9003174745358	9009014745359	80
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467285	9003174672852		333	474746	9003174747468		309
467288	9003174672883		333	474751	9003174747512		309
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467386	9003174673866		315	474753	9003174747536		309
467387	9003174673873		315	474771	9003174747710		309
467388	9003174673880		315	474774	9003174747741		314
467389	9003174673897		315	474775	9003174747758		314
467391	9003174673910		333	474777	9003174747772		314
467392	9003174673927		333	474778	9003174747789		314
467394	9003174673941		333	474780	9003174747802		314
467395	9003174673958		333	474872	9003174748724	9009014748725	181
467396	9003174673965		333	474874	9003174748748	9009014748749	181
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467428	9003174674283		314	475024	9003174750246		358
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467431	9003174674313		314	475793	9003174757931		312
467433	9003174674337		330	475797	9003174757979		312
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467439	9003174674399		330	475978	9003174759782		316
467443	9003174674436		314	475980	9003174759805		316
467444	9003174674443		314	475983	9003174759836		316
467445	9003174674450		314	475986	9003174759867		316
467446	9003174674467		314	476408	9003174764083		359
467448	9003174674481		314	476438	9003174764380		359
468182	9003174681823	9009014681824	29	476440	9003174764403		359
474524	9003174745242	9009014745243	76	476442	9003174764427		359
474526	9003174745266	9009014745267	76	476449	9003174764496		359
474527	9003174745273	9009014745274	79	476450	9003174764502		359
474528	9003174745280	9009014745281	79	476452	9003174764526		359
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484672	9003174846727		361	499803	9003174998037		350
484994	9003174849940		331	499804	9003174998044		350
484996	9003174849964		331	500056	9003175000562		358
484999	9003174849995		331	500259	9003175002597		359
485001	9003174850014		331	500268	9003175002689		359
485003	9003174850038		331	500289	9003175002894		359
485004	9003174850045		331	514338	9003175143382	9009015143383	52
485041	9003174850410		331	514745	9003175147458	9009015147459	44
485338	9003174853381	9009014853382	107	515988	9003175159888	9009015159889	76
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494339	9003174943396		320	519213	9003175192137	9009015192138	175
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494349	9003174943495		320	519215	9003175192151	9009015192152	175
494361	9003174943617		320	519232	9003175192328	9009015192329	53
494365	9003174943655		321	525355	9003175253555	9009015253556	29
494391	9003174943914		321	528580	9003175285808	9009015285809	173
494394	9003174943945		320	529392	9003175293926	9009015293927	58
494701	9003174947011		60	529399	9003175293995		332
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495817	9003174958178		360	529401	9003175294015		332
495818	9003174958185		360	529401	9003175294015		339
495820	9003174958208		360	529402	9003175294022		334
495824	9003174958246		360	529402	9003175294022		339
495826	9003174958260		360	529403	9003175294039		334
495830	9003174958307		360	529403	9003175294039		339
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495833	9003174958338		360	529456	9003175294565		361
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495838	9003174958383		360	532201	9003175322015		350
495841	9003174958413		360	532202	9003175322022		350
495842	9003174958420		360	532204	9003175322046		350
495843	9003174958437		360	532205	9003175322053		350
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537084	9003175370849	9009015370840	180	574853	9003175748532		338
537089	9003175370894	9009015370895	180	574854	9003175748549		338
537093	9003175370931	9009015370932	180	574855	9003175748556		338
537095	9003175370955	9009015370956	180	574856	9003175748563		338
537097	9003175370979	9009015370970	180	574857	9003175748570		338
537110	9003175371105	9009015371106	180	574858	9003175748587		338
537111	9003175371112	9009015371113	180	575635	9003175756353	9009015756354	180
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537113	9003175371136	9009015371137	180	576050	9003175760503	9009015760504	77
537114	9003175371143	9009015371144	180	579420	9003175794201		353
537115	9003175371150	9009015371151	180	579424	9003175794249		353
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544172	9003175441723		359	591080	9003175910809	9009015910800	58
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548170	9003175481705	9009015481706	45	596269	9003175962693	9009015962694	58
549002	9003175490028	9009015490029	60	596520	9003175965205	9009015965206	59
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559743	9003175597437	9009015597438	53	597949	9003175979493		350
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614686	9003176146863	9009016146864	58
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633286	9003176332860	9009016332861	52
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633509	9003176335090	9009016335091	34
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636399	9003176363994	9009016363995	52
636789	9003176367893	9009016367894	77
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637068	9003176370688	9009016370689	27
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637074	9003176370749	9009016370740	27
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643846	9003176438463	9009016438464	173
645130	9003176451301	9009016451302	177
645132	9003176451325	9009016451326	177
645135	9003176451356	9009016451357	177
645137	9003176451370	9009016451371	178
645145	9003176451455	9009016451456	175
647216	9003176472160	9009016472161	53
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667995	9003176679958		60
668570	9003176685706	9009016685707	45
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668670	9003176686703	9009016686704	175
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676428	9003176764289	9009016764280	44
676791	9003176767914		312
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679662	9003176796624	9009016796625	224
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943168	9003179431683	9009019431684	235
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