



PRODUCT NEWS 2013/2



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TYROLIT is one of the world's largest producers of grinding, cutting, drilling and dressing tools as well as machines for the construction industry. The family-owned company, founded in 1919 and a member of the Swarovski Group, is based in Schwaz, Austria, and currently has over 4,600 employees at 27 production locations in 12 countries. TYROLIT's Trade, Construction, Natural Stone, Glass, Metal Fabrication and Precision Machining Divisions manufacture 80,000 different products. They are offered to customers all over the world by 28 sales companies and additional distributors in 65 countries.



We believe that successful business should reward everyone involved. In order to achieve this we regard our customers and end users as partners. This includes offering these partners attractive business propositions, extensive support and a high service level. It also includes providing products that attract and inspire the market. And this brings us back to the starting point, because to achieve this we must constantly develop and produce innovative, high

quality products exceeding the end users and the environments demands.

We also believe that relevant information must be prepared quickly and unequivocally today. In addition to personal contact with our sales team, this “product-news”-folder will inform you twice a year, together with our main catalogue, about the latest products and range extensions.

CERABOND
SYSTEM

MERCILESS

INTRODUCING THE TYROLIT CERABOND SYSTEM. CUTTING AND GRINDING RESULTS IN A CLASS OF ITS OWN. (HANDLE WITH CARE.)

Nearly a century's experience of designing cutting and grinding tools has enabled us to produce a new range of exceptionally aggressive bonded ceramic abrasives for demanding, heavy duty cut-off and steel grinding applications. That might seem a bit unfair to many other

cutting and grinding wheels but considering this means great advantages to our customers, we are quite pleased with that. And considering the price/performance ratio, we know they will be pleased too.



WHAT IS THE CERABOND SYSTEM?

A new technology combining:

- Unique bonding technology optimised for the embedding of ceramic grains considering their unique characteristics.
- High quality ceramic grain that has been given a special grain treatment.
- A specific structural build-up designed to maximise the system performance.

WHAT PLACES THE CERABOND SYSTEM IN A CLASS OF ITS OWN?

In short: The optimised system. That is, the combination of the carefully selected and treated ceramic grains and the bonding technology. The challenge is to optimise this combination in order to achieve both top grinding aggressiveness and durability.

WHAT ARE THE ADVANTAGES?

- Enhanced aggressiveness
- Higher durability
- Improved working comfort

WHAT ARE THE BENEFITS?

- Shorter working time per unit
- Lower production costs
- Improved working conditions
- Higher productivity



AN ATTRACTIVE PRODUCT RANGE.

The Cerabond system is the result of nearly a century's experience in designing abrasive tools. It is intended for heavy-duty applications requiring optimum performance and will appeal to demanding customers craving the most effective cut-off and grinding equipment on the market.



GRINDING PREMIUM★★★

	Shape	Dimension	Specification	Type-No.	PU	Classification
	 27	115x7,0x22,23	CA24Q-BFK	34019874	5	2in1
		125x7,0x22,23	CA24Q-BFK	34019876	5	2in1
		150x7,0x22,23	CA24Q-BFK	34019877	5	2in1
		178x7,0x22,23	CA24Q-BFK	34019878	5	2in1
		230x7,0x22,23	CA24Q-BFK	34019879	5	2in1

CUTTING PREMIUM★★★

	Shape	Dimension	Specification	Type-No.	PU	Classification
	 41	115x1,6x22,23	CA46Q-BFKA	34019872	15	2in1
		125x1,6x22,23	CA46Q-BFKA	34019880	15	2in1
		150x1,6x22,23	CA46Q-BFKA	34019881	15	2in1
	 42	115x1,6x22,23	CA46Q-BFKA	34019882	15	2in1
		125x1,6x22,23	CA46Q-BFKA	34019883	15	2in1
		150x1,6x22,23	CA46Q-BFKA	34019884	15	2in1

CERABOND
SYSTEM



MERCILESS

CERABOND SYSTEM FOR CUTTING AND GRINDING
(HANDLE WITH CARE.)

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TYROLIT



TYROLIT PREMIUM★★★ ACCU 2IN1 CUT-OFF WHEELS FOR BATTERY-POWERED ANGLE GRINDERS

ABSOLUTE PERFORMANCE - ANYWHERE, ANYTIME

TYROLIT is committed to ongoing research and development. This is why the manufacturer of abrasives becomes a leader in many areas of application: TYROLIT is the first European producer of cutting and grinding wheels with fibrous fabric, inventor of 1.00mm wheels and first producer of straight 0.75mm wheels.

The development of PREMIUM★★★ superthin cut-off wheels for battery-powered angle grinders expands the extensive range and allows unrestricted maximum power anywhere and anytime.

Convincing benefits

- Provides short-term repair and maintenance works independently of the available power source
- Optimised for the performance of battery-powered angle grinders
- Efficient and versatile use on steel and stainless steel



Additional benefits

- Unrestricted maximum performance when working on scaffolds, hard to reach jobs or in the terrain
- Extremely productive and economical due to the variety of applications with just one tool
- Possible downtimes can be reduced due to short-term and efficient use



The high aggressiveness of these PREMIUM★★★ superthin cut-off wheels enables short-term repair and maintenance works independent of the available power sources. The application on scaffolds, on hard to reach jobs or in the terrain becomes much easier and downtimes are significantly reduced.



TYROLIT PREMIUM*** ACCU 2IN1 CUT-OFF WHEELS FOR BATTERY-POWERED ANGLE GRINDERS

Optimized for maximum efficiency

As these cut-off wheels are optimized for the performance of battery-powered angle grinders, they are particularly suitable for thin metal sheets, profiles and pipes, but also small cross sections, rods or rebars. Due to the high aggressiveness operations can be carried out quickly and efficiently in a minimum of time.



PREMIUM*** ACCU 2IN1

Shape	Dimension	Specification	Type-No.	Material	Machine
 41	115 x 1,0 x 22,23	A60Q-BFKA	34022958	 2in1	 25
 41	125 x 1,0 x 22,23	A60Q-BFKA	34022959	 2in1	 25

Universal applications

TYROLIT 2in1 cut-off wheels are universally applicable on steel and stainless steel and allow a variety of applications with just one tool. This significantly increases the productivity and efficiency as storage costs and setup times can be reduced.



PREMIUM*** NATURAL FIBER DISC 180MM

A UNIQUE GRINDING WHEEL THAT COMBINES AGGRESSIVENESS WITH A HIGH LEVEL OF WORKING COMFORT

Since its launch TYROLIT PREMIUM*** natural fiber discs have revolutionized several industry sectors. The development of 180mm wheels now extends the range of applications with unchanged product advantages.

Convincing benefits

- Constant high stock removal
- Comfortable and fast working
- Integrated back up pad



TYROLIT PREMIUM*** natural fiber disc offers not only a high level of working comfort and total stock removal but also the aggressive characteristics of a vulcanized fiber disc. No back up pad is needed, as it is an integral part of the product – therefore the problem of overheating the back-up pad is omitted. With the benefit of an outstanding lifetime, tool changes are minimized, efficiency increased and process times are significantly reduced.

The structure of the TYROLIT PREMIUM*** natural fiber disc is made of natural jute fibers. In addition to preserving our natural resources this product is resistant against humidity and provides a strong but flexible structure which allows easy usage also on uneven work pieces.

For maximal usage of the TYROLIT PREMIUM*** natural fiber disc, the worn part of the disc can easily be dressed down. The newly acquired useable area allows continuous grinding and provides maximum working comfort.

Shape	Type-No..	Dimension	GRAIN	Specification	Backing	Max. RPM	Material	Machine
	706125	115x22	36	ZA-P43	N	13'300		
	706126	125x22				12'300		
	706127	180x22				8'600		
	706128	115x22	36	ZA-P48	N	13'300		
	706129	125x22				12'300		
	706130	180x22				8'600		
	712259	115x22	36	CA-P93	N	13'300		
	712268	125x22				12'300		
	712269	180x22				8'600		
	205056	115x22	60	ZA60-P48	N	13'300		
	205058	125x22				12'300		
	205060	180x22				8'600		

Additional benefits

- Constant high stock removal
- Very high lifetime
- Easier storage with no deformation caused by humidity
- Environmental friendly backing material using jute fibers

Accessories for TYROLIT PREMIUM*** Natural fiber discs

Support set recommended for easier handling of the TYROLIT PREMIUM*** natural fiber disc when grinding on flat surfaces

SHAPE	TYPE-NO.	DIMENSION
100SFL	21381	42x22,23



PREMIUM★★★ RONDELLER®

PEAK PERFORMANCE AND REAL COOL GRINDING

Convincing benefits

- No discoloration of workpiece material
- Highly improved removal rate
- Universally applicable – as well on uneven and curved surfaces

Reduced noise level, universally applicable and nearly no vibrations: the new semi-flexible TYROLIT PREMIUM★★★ RONDELLER® combines product advantages of various grinding tools. Moreover, a completely new knob pattern and a knob volume which was increased by 50%, provide a highly improved total stock removal rate.

The optimization of the knob-shape and -arrangement improves the chip removal and the cooling effect during grinding and therefore reduces unwanted discolorations of workpieces. The perfect adaption of the semi-flexible RONDELLER® increases the functionality on uneven and curved surfaces when you are grinding, deburring or contouring.

With the available diameters of 115, 125 and 178mm TYROLIT PREMIUM★★★ RONDELLER® provides universally applicable professional solutions for the application on steel, stainless steel (INOX), cast iron, non-ferrous metals (copper, brass, bronze, aluminum), for stone processing (concrete, natural stone) and for the processing of plastic, composite materials, fiberglass, filler or polyester.

PREMIUM★★★ RONDELLER® are admitted for hand-held machines with an operating speed up to 80m/s. TYROLIT RONDELLER® meet the safety requirements of EN 12413 and oSa.



Shape	Dimension	Specification	Type-No.	Material	Machine
 29RON	115 x 22,23	A24-BF	57004		
	115 x 22,23	A36-BF	908225		
	115 x 22,23	A60-BF	908226		
	125 x 22,23	A24-BF	57005		
	125 x 22,23	A36-BF	908227		
	125 x 22,23	A60-BF	908229		
	150 x 22,23	A36-BF	170599		
	178 x 22,23	A24-BF	57006		
	178 x 22,23	A36-BF	908230		
 29RON	115 x 22,23	C36-BF	908233		
	115 x 22,23	C60-BF	948218		
	178 x 22,23	C36-BF	908220		
	178 x 22,23	C60-BF	908221		
	178 x 22,23	C100-BF	908223		
	178 x 22,23	C180-BF	908224		

Main applications

- Apparatus and tank construction
- Automotive engineering
- Pipeline construction
- Steel construction, metal working
- Shipyards



PREMIUM★★★ SHIELD HIGH-PERFORMANCE CUP BRUSHES WITH INTEGRATED PROTECTION SHIELD

Top performance can only be achieved through high quality products and equipment designed specifically for the application. The user is at the center of a perfect interaction between human, machine and tool. Being adequate to this requirement the focus of TYROLIT is on the personal protection while working.

In addition to high-quality safety equipment that has been developed in cooperation with leading manufacturers and has been optimized for the needs of professional users, a new product line is now available. It reflects a consistent extension of this endeavor and confirms TYROLIT as one of the leading manufacturers of bonded abrasive tools of all types.



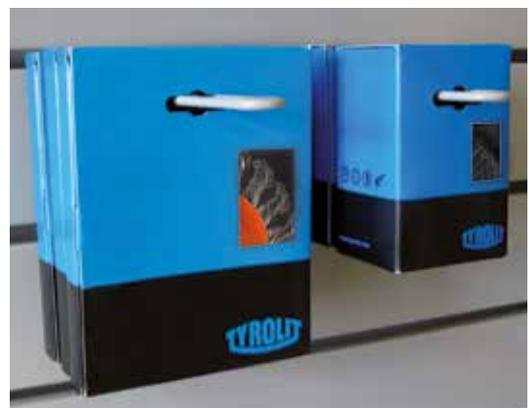
Cup brushes are used on angle grinders and are among the most commonly used tool brushes. All along dust and smallest wire breakages have been an unpleasant side effect. PREMIUM★★★ SHIELD provides a shield against those unwanted micro-breakages and also enables an application-friendly use.

The protection is made of transparent synthetic material, allowing the user full view of the workpiece. Furthermore grinding of edge and corner sections are unconditionally possible.



Convincing Benefits

- Protection against dust and micro wire breakages
- High flexibility and resiliency for processing hard to reach areas
- Full view by using transparent synthetic material



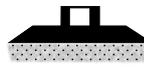


PREMIUM★★★ SHIELD

Protection for every day use

The new series PREMIUM★★★ SHIELD includes high-performance cup brushes for a variety of applications and are ideal for preparing surfaces before painting, removal of slag, rust, tinder and concrete residues.



	Type-No.	Shape	Dimension	Specification	PU	TYPE
 11TDZ  11TDW	34023780	11TDW	75X20XM14-2	SM3	1	SHIELD
	34023778	11TDZ	65X20XM14-2	S5	1	SHIELD
	34023812	11TDW	75X20XM14-2	E3	1	SHIELD
	34023813	11TDZ	65X20XM14-2	E5	1	SHIELD
 6TDZ  6TDW	34023827	6TDW	80X30XM14-2	SM3	1	SHIELD
	34023828	6TDW	100X30XM14-2	SM3	1	SHIELD
	34023823	6TDZ	80X25XM14-2	S5	1	SHIELD
	34023824	6TDZ	100X25XM14-2	S5	1	SHIELD
	34023829	6TDW	80X30XM14-2	E3	1	SHIELD
	34023830	6TDW	100X30XM14-2	E3	1	SHIELD
	34023825	6TDZ	80X25XM14-2	E5	1	SHIELD
	34023826	6TDZ	100X25XM14-2	E5	1	SHIELD
 28KDZ	34023819	28KDW	100X20XM14-2	SM3	1	SHIELD
	34023817	28KDZ	100X20XM14-2	S5	1	SHIELD
	34023822	28KDW	100X20XM14-2	E3	1	SHIELD
	34023818	28KDZ	100X20XM14-2	E5	1	SHIELD

In direct contact with the workpiece the protective shield is subject to attrition.

Recommended speeds

- For steel and stainless steel: ca 30 m/s
- For nonferrous metals: ca 20 m/s
- For plastics: ca 15 m/s

Wire types

S Steel wire | SH Steel wire hardend | SZ Steel wire hardend and tough | SM Steel wire brassed
 E Stainless steel wire (INOX; A2) | EA Stainless steel wire (INOX; A2)
 M Brass wire | A Wire with aluminium oxide grit | C Wire with silicium carbide grit

TYROLIT PREMIUM★★★ TUNGSTEN CARBIDE BURRS

NEW UNIQUE FORM FOR INCREASED PRODUCTIVITY

PREMIUM★★★ tungsten carbide burrs are used on a variety of materials such as steel, hardened steel, stainless steel, cast iron, titanium, nickel and copper alloys as well as plastics and are available in a variety of cutting types, head shapes and designs. PREMIUM★★★ tungsten carbide burrs are CNC machined and welds are tested at 100% - this guarantees a consistently high level of quality, performance and lifetime.



Convincing benefits

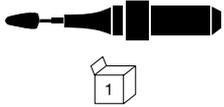
- Universal applications due to the new and unique combination of an inverted cone and a ball shape
- Significant increase of possible applications with only one too
- Reduction of complex and expensive tool changes as well as need for consumables

Additional benefits

- Can be used on a variety of materials, including titanium, bronze, stainless steel, cast iron, steel, brass or copper
- Available as single item or as a set
- Tungsten carbide burrs are CNC machined and welds are tested at 100% - this guarantees a consistently high level of quality, performance and lifetime

PREMIUM★★★ tungsten carbide burr 52KUD-N

The new and unique combination of an inverted cone and a ball shape on one burr allows universal use. In addition to a significant increase of the potential applications with only one tool the expensive tool changes and the need for consumables are reduced. As they are applicable on a variety of materials, including titanium, bronze, stainless steel, cast iron, steel, brass or copper, the PREMIUM★★★ tungsten carbide burrs 52KUD-N increase productivity and therefore profitability.

Shape	Dimension	Specification	Type-No.	Material	Machine
 52KUD-N	12 x 20-6 x 63	MX	34022392		



52KUD-N



52SKM-N



52ZYA-N

TYROLIT PREMIUM*** TUNGSTEN CARBIDE BURRS AVAILABLE AS SINGLE ITEM OR AS A SET

PREMIUM*** tungsten carbide burrs 52KUD-N are available as single item or as a set with four other PREMIUM*** tungsten carbide burrs, including the 52SKM-N with its innovative design, a combination of SKM and WKN, for breaking edges and to create soft radii with just one tool.



Tungsten Carbide burrs TN: 34022430

Shape	Dimension	Specification	Type-No.	MATERIAL	MACHINE
 52SKM-N	12 x 25-6 x 70	MY	20487	  	 
 52ZYA-R	12 x 25-6 x 70	MX	20587		
	10 x 19-6 x 65	MX	20565		
	6 x 16-6 x 50	MX	20555		
 52KUD-N	12 x 20-6 x 63	MX	34022392		



Simply sell

TYROLIT tungsten carbide burrs are available in a single package or as a set. Each burr is individually wrapped and provided with EAN code, facilitating consultation and sales. Available sets include well-matched products and offer a convincing price-performance ratio.

POINT OF SALE PRODUCT COMMUNICATON

For choosing the right tool, our POS system offers complete support. Clear colour guidance systems, pictograms easy to understand and application advices: a flexible and easy to use presentation medium either as a wall system, a selling item in a room or a counter display.

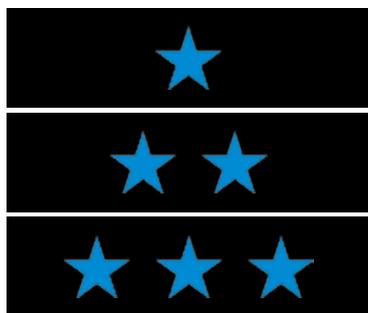
Wall systems are available in different widths and heights. A wide range of accessories provides numerous possibilities to design customized presentation and selling areas and to use the sales room in an optimal way. Rotatable elements and counter displays allow flexible product presentations in a localized manner and provide – in addition to the wall systems – the option to apply the attention to application-specific, target-group focused or special application areas and offers.

Flexibility, easy handling and elaborate extensions – this POS system is developed for customers in cooperation with customers, supports successful selling and increases consulting quality.



Ask for our POS folder
for detailed information.

PRODUCT COMMUNICATION



SUPERTHIN CUT-OFF WHEELS

PREMIUM ★★★

- INOX - Next Generation
- LONGLIFE - Next Generation
- 2in1 - Next Generation



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TYROLIT

POLISHING PROGRAM

PREMIUM ★★★

- CONDITIONING Flap discs
- PRE-POLISH Discs
- POLISH Flap discs and pastes
- COMBI Flap discs



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TYROLIT



Article	Width	Height	Mat.No.
1-star	290 mm	80 mm	20028188
2-star	290 mm	80 mm	20028189
3-star	290 mm	80 mm	20028190

Product group signe Cut-off wheels	120 mm	80 mm	–
Product group signe Polishing program	120 mm	80 mm	–

Color Code cutting and grinding	1300 mm	70 mm	20028197
Color Code dry cutting	1300 mm	70 mm	20028198



APPLICATION PATCHES

Cutting

Grinding

Finishing

**Dry
cutting**

**Dry
drilling**

Precision

Article	Width	Height	Language	Mat.No.
Cutting	200 mm	150 mm	German	20028203
Cutting	200 mm	150 mm	English	20028204
Cutting	200 mm	150 mm	French	20028205
Cutting	200 mm	150 mm	Italian	20028206
Cutting	200 mm	150 mm	Spanish	20028207

Grinding	200 mm	150 mm	German	20028208
Grinding	200 mm	150 mm	English	20028209
Grinding	200 mm	150 mm	French	20028210
Grinding	200 mm	150 mm	Italian	20028211
Grinding	200 mm	150 mm	Spanish	20028212

Finishing	200 mm	150 mm	German	20028191
Finishing	200 mm	150 mm	English	20028192
Finishing	200 mm	150 mm	French	20028194
Finishing	200 mm	150 mm	Italian	20028195
Finishing	200 mm	150 mm	Spanish	20028196

Dry cutting	200 mm	150 mm	German	20028213
Dry cutting	200 mm	150 mm	English	20028214
Dry cutting	200 mm	150 mm	French	20028215
Dry cutting	200 mm	150 mm	Italian	20028216
Dry cutting	200 mm	150 mm	Spanish	20028217

Dry drilling	200 mm	150 mm	German	20028464
Dry drilling	200 mm	150 mm	English	20028466
Dry drilling	200 mm	150 mm	French	20028467
Dry drilling	200 mm	150 mm	Italian	20028468
Dry drilling	200 mm	150 mm	Spanish	20028469

Precision	200 mm	150 mm	German	20028218
Precision	200 mm	150 mm	English	20028219
Precision	200 mm	150 mm	French	20028220
Precision	200 mm	150 mm	Italian	20028221
Precision	200 mm	150 mm	Spanish	20028222



TYROLIT APPRASIVE® THE APP FOR GRINDING PROCESSES AND TOOLS

Even in the era of smartphones and tablets TYROLIT remains true to its principles concerning high qualitative and innovative solutions. With APPRASIVE® the development of a free abrasive-app for mobile devices with Apple, Android and BlackBerry operating systems succeeded. This free tool provides three main applications:



Productfinder, Tool Check and Grindometer

The „Productfinder“ helps customers around the world to find the most suitable TYROLIT-product and offers additional background information about grinding and cutting. “Tool Check” supports users directly, i. e. on building sites, how to use TYROLIT tools on most common applications like drilling, wall- and wire sawing as well as floor sawing. “Grindometer” completes the mobile service and automatically calculates relations of blade-diameter and peripheral speed for metrical as well as inch-based systems.

Download for free

APPRASIVE® offers support for TYROLIT-abrasives in English and German and can be used around the world at any time. The App is available for all mobile platforms (Appstore, Blackberry App World, Google Play Store) and can be downloaded for free.



APPRASIVE®

The new revolutionary tool - download for free at any App-Store



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