



Your partner in the foundry industry

System solutions for grinding and cutting applications

English

Premium grinding solutions since 1919
www.tyrolit.com

TYROLIT

The Tyrolit Group

Tyrolit is one of the world's leading manufacturers of grinding and dressing tools as well as a system provider for the construction industry.

Since 1919, our innovative tools have made an important contribution to the technological development in many industries. Tyrolit offers tailored grinding solutions for various applications, as well as a comprehensive assortment of standard tools for customers all over the world.

With roots in the heart of the Austrian Alps, Tyrolit combines the strengths of family values with a global vision and over a century of individual corporate and technological experience.



Tyrolit headquarters in Schwaz (Austria)

Facts & figures



80,000+
standard products



30+
global production sites



4,500+
valued employees



140+
countries within our reach



500+
patents worldwide

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, Russia, Spain, South Africa, South Korea, Sweden, Switzerland, Thailand, UAE, UK and the US. Sales partners in 65 other countries.

04	Application technology
05	Competence at a glance
07	Milestones
09	Cut-off wheels
15	Grinding wheels
25	Mounted points and tungsten carbide burrs
29	Grinding belts

Your partner in the foundry industry

Tools and system solutions

Years of experience in the foundry industry and the cooperation with noted end-users and machine manufacturers have made Tyrolit one of the market leaders in this field. With innovative technologies and highest quality products, we repeatedly set new standards in the preparation of steel and cast iron.

Tyrolit not only pushes the limits for quality and processing time, but also lays a big focus on optimising the product range in terms of ergonomics, safety and environmental compatibility.

Application technology

The best team for your application

Foundry industry applications can present a particular challenge during machining. Over many decades, Tyrolit has gathered well-founded expertise in the machining of varied materials and provides customers with on-site support.

Material-specific products ensure the most effective and efficient results on a variety of materials present in the foundry industry and beyond.

Tyrolit application technology in practice

1

Documenting and analysing the customer-specific task

2

Creating individual proposals that fit the customer's requirements

3

Working on a process solution in close consultation with the customer

4

Implementing the process solution at the customer's site

5

Passing on acquired knowledge in training sessions

Your benefits

- + The global presence of our application engineers
- + Tailor made solutions and process optimisation to suit individual tasks
- + Close cooperation with machine manufacturers
- + Internal and external seminars and training courses



Competence at a glance

Application technology

Our application engineers speak the language of the foundry industry and create industry-specific solutions to tackle every problem.



Innovative products

Tyrolit products meet the highest technical and economic expectations to offer you a lasting competitive advantage.



Customer-specific solutions

An extensive product portfolio offers you high-tech tools for every application. Out of this range we choose system solutions tailored to your needs and processes.



Global presence

Due to the global presence of application experts we can offer our customers short response and service times worldwide.



Decades of know-how in the foundry industry!

Innovation leadership can only be achieved by constantly coming up with something new that serves the whole industry. Tyrolit did just that in 1952 when it introduced glass fibre reinforcements and thus took on a pioneering role in cutting. Another first amongst Tyrolit's impressive milestones was the use of super abrasives for the dry machining of grey cast iron and spheroidal graphite cast iron.

Today, Tyrolit is one of the market-leaders in abrasives and equips customers world-wide with outstanding system solutions. We are your partner in the foundry industry to push manual fettling processes as well as automated machining to the next level.



Milestones

Grinding and cutting in the foundry industry



2002

FOCUR SA

The diamond of grinding wheels
– for automatic fettling



2007

VIB STAR

Vibration-damping grinding wheels



2011

FOCUR EXTRA

New line with improved easy cutting behaviour – for pedestal and swing frame grinding



2019

CERABOND X grinding wheels

Grinding wheels with extreme lifetime and highest aggressiveness



2024

Expanded cast range

New portfolio specifically optimised for cast materials and highest aggressiveness



2001

FOCUR EXTRA easy cut

The complete assortment for off-hand grinding



2004

FOCUR SA

Optimised for even cooler grinding



2009

FOCUR EXTRA easy cut

Extended assortment for steel castings and extremely hard cast materials



2014

FOCUR SA diamond cut-off wheels

Unbelievable lifetime for very demanding applications



2022

CERABOND X cut-off wheels

Shortest cutting times and vastly decreased effort due to highest cutting ability



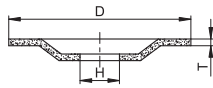


Cut-off wheels

Cut-off wheels for angle grinders




CERABOND X cut-off wheels for cast iron



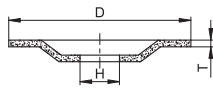
Shape 42

The well-known CERABOND X cut-off wheel from Tyrolit has now been specially adapted and optimised for cutting a wide variety of cast materials, such as spheroidal cast iron or cast iron with lamellar graphite. The new bond system efficiently prevents premature grain break-out, allowing you to achieve an incredible lifetime on cast materials with CERABOND X cut-off wheels. Due to the use of high-quality ceramic abrasive grains, you are guaranteed maximum aggressiveness throughout the lifetime. The high cutting ability of the cut-off wheels allows the operator to work very comfortably with little effort, which makes working with cast iron much easier. Particularly clean and bright cutting areas reduce rework and working hours, thus supporting the most economical work processes.

	Shape	Type number	Dimensions	Specification	PU
	42	34605362	178 × 3.0 × 22,23	CA30S-BFP	25
		34605364	178 × 3.5 × 22,23	CA30S-BFP	25
		34605365	230 × 3.0 × 22,23	CA30S-BFP	25
		34605366	230 × 3.5 × 22,23	CA30S-BFP	25




Cut-off wheels for cast iron



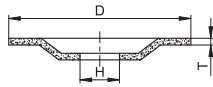
Shape 42

The PREMIUM cut-off wheel was specially developed for comfortable work on all cast materials. Thanks to an innovative manufacturing technology combined with the use of a high quality zirconium aluminium oxide, this tool has an exceptional cutting ability. The cut-off wheel is available in 3 different hardnesses – so you are well equipped for any application on castings. HARD (R) guarantees you a longer lifetime while MEDIUM (P) is the all-round solution with high cutting ability and an economical lifetime. The SOFT (N) variant offers the highest cutting ability and aggressiveness.

	Shape	Type number	Dimensions	Specification	PU
	42	34608664	178 × 3,0 × 22,23	ZA30N-BFP	25
		34608665	178 × 3,5 × 22,23	ZA30N-BFP	25
		34564288	230 × 3,0 × 22,23	ZA30N-BFP	25
		34608666	230 × 3,5 × 22,23	ZA30N-BFP	25
		34608663	178 × 3,0 × 22,23	ZA30P-BFP	25
		904019	178 × 3,5 × 22,23	ZA30P-BFP	25
		635268	230 × 3,0 × 22,23	ZA30P-BFP	25
		855818	230 × 3,5 × 22,23	ZA30P-BFP	25
		34608661	178 × 3,0 × 22,23	ZA30R-BFP	25
		34608662	230 × 3,0 × 22,23	ZA30R-BFP	25
		929889	230 × 3,5 × 22,23	ZA30R-BFP	25
		5496	230 × 3,0 × 22,23	C30S-BFP	25




LONGLIFE cut-off wheels
for steel and cast steel



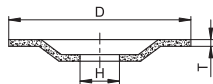
Shape 42

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 cast steel, metal sheets, profiles, pipes, rods and solid material.

	Shape	Type number	Dimensions	Specification	PU
	42	637072	125 × 2.5 × 22,23	A30S-BFXA	25
		637073	178 × 3.0 × 22,23	A30S-BFXA	25
		637074	230 × 3.0 × 22,23	A30S-BFXA	25




Cut-off wheels
for nonferrous metals and nonferrous castings



Shape 42

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 number	Dimensions	Specification	PU
	42	366888	125 × 2.5 × 22,23	A30N-BFXA	25
		5485	178 × 3.0 × 22,23	A30N-BFXA	25
		30741	230 × 3.0 × 22,23	A30N-BFXA	25




FOCUR SA diamond cut-off wheels
for cast iron



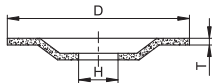
Shape UC3

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 125 to 230 mm.

	Shape	Type number	Dimensions	Specification	PU
	UC3	34192268	125 × 3.0 × 22,23	DC CI	1
		102811	180 × 3.0 × 22,23	DC CI	1
		102813	230 × 3.0 × 22,23	DC CI	1



Cut-off wheels for stone and cast iron with metal penetration



Shape 42

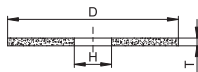
This STANDARD cut-off wheel reduces the work of the operator due to its excellent cutting ability. When used on stone or materials with metal penetration, the wheel impresses by achieving clean cutting edges and good cutting quality.

	Shape	Type number	Dimensions	Specification	PU
	42	367787	125 × 2.5 × 22.23	C30S-BF	25
		367801	178 × 3.0 × 22.23	C30S-BF	25
		367804	230 × 3.0 × 22.23	C30S-BF	25

Cut-off wheels for stationary cutting machines



Cut-off wheels for steel and cast steel



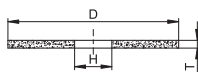
Shape 41

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 400 to 600 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 number	Dimensions	Specification	PU
	41	647258	400 × 4.0 × 40	M101A24O4BF71M	10
		647259	500 × 5.0 × 40	M101A24O4BF71M	10
		647260	600 × 6.0 × 60	M101A24O4BF71M2	10



Cut-off wheels for stainless steel and cast iron



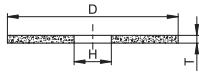
Shape 41

This tool is suitable for cutting cast steel, 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 number	Dimensions	Specification	PU
	41	647218	400 × 4.0 × 40	A24Q4BF97M	10
		460744	500 × 5.0 × 40	A24P4-BF97M	10
		647232	600 × 6.0 × 60	A24O4BF97M2	10




Cut-off wheels for nonferrous metals and nonferrous castings



Shape 41

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 number	Dimensions	Specification	PU
	41	800035	400 × 4.0 × 40	A30O4BF59M	10
		422374	500 × 5.5 × 40	A24N5BF59M2	10




FOCUR SA diamond cut-off wheels for cast iron



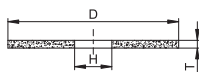
Shape UC3

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 400 to 600 mm.

	Shape	Type number	Dimensions	Specification	PU
	UC3	102850	400 × 4.0 × 60	DC CI	1
		102856	500 × 5.0 × 60	DC CI	1
		102859	600 × 5.0 × 60	DC CI	1




Laboratory cut-off wheels for steel, cast steel and stainless steel



Shape 41N

The PREMIUM laboratory cut-off wheel is a high-performance cut-off wheel for ferrous metals such as steel and stainless steel. It is used for cutting laboratory samples that have to be cut quickly and without structural alterations, workpiece deformations or cracks. Assembly is usually carried out on wet cutting systems with a manual or automatic feed, at a maximum operating speed of 50 m/s. The workpiece must be fixed during machining and the wheel must not be exposed to lateral load.

	Shape	Type number	Dimensions	Specification	PU
	41N	167205	250 × 1.5 × 32	A80-BM50	10
		167226	300 × 2.0 × 32	A80-BM50	10
		167334	350 × 2.5 × 32	A80-BM50	10
		167339	400 × 3.0 × 32	A80-BM50	10
		167351	432 × 3.0 × 32	A80-BM50	10



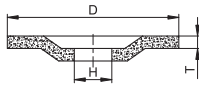
Grinding wheels



Grinding wheels for angle grinders

★★★
PREMIUM

CERABOND X rough grinding wheels for cast iron



Shape 27

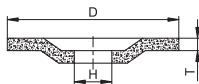
The new CERABOND X grinding wheel has been specially developed for applications on cast iron and offers the well-known advantages of the assortment on the most stubborn workpieces. Grind faster than ever with new CERABOND X technology - combining a new bond system and a ceramic abrasive grain, the grinding wheel achieves incredibly long-lasting aggressiveness, making it the best solution for machining cast iron in the most demanding applications. The tool is specifically designed for high-frequency and air-powered turbine angle grinders and can withstand the highest pressure in the most difficult applications. Edge chipping becomes a rarity with this grinding wheel.



Shape	Type number	Dimensions	Specification	PU
27	34650874	178 × 7.0 × 22.23	CA24S-BFP	5
	34650875	230 × 7.0 × 22.23	CA24S-BFP	5

★★★
PREMIUM

CERABOND X COMFORT rough grinding wheels for cast steel



Shape 27

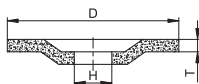
The perfect combination of easy cutting ability and comfort - the new CERABOND X COMFORT rough grinding wheels for cast steel are easy to use despite high aggressiveness and deliver best results. Our well-known CERABOND X technology also guarantees consistent quality throughout the lifetime of the tool. This variant of the product has been specially developed for use on cast steel and offers a convenient solution that nevertheless guarantees a high level of removal. The new design reduces edge chipping to a minimum. With these tools, the working comfort on cast steel is drastically increased as the high cutting ability requires less pressure to obtain the best results in the shortest time.



Shape	Type number	Dimensions	Specification	VP
27	34650876	178 × 7.0 × 22.23	CA24P-BFP	5
	34650932	230 × 7.0 × 22.23	CA24P-BFP	5

★★★
PREMIUM

LOGLIFE Z-MAX rough grinding wheels for steel and cast steel



Shape 27

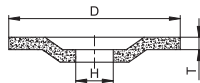
The PREMIUM LOGLIFE is a high-performance rough grinding wheel for surface and edge grinding. It is distinguished by its excellent lifetime.



Shape	Type number	Dimensions	Specification	PU
27	34353684	125 × 7.0 × 22.23	ZA24S-BFX	10
	34353687	178 × 7.0 × 22.23	ZA24S-BFX	10
	34353689	230 × 7.0 × 22.23	ZA24S-BFX	10



Rough grinding wheels for cast iron



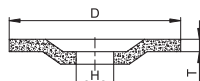
Shape 27

The new premium rough grinding wheels for cast iron from Tyrolit guarantee you, depending on the variant, the longest lifetimes or increased application comfort. From HARD (S) over MEDIUM (R) to SOFT (P), the product can be adjusted to any need. Additionally, the SOFT design is also suitable for removing cast skin and sandings. The new rough grinding wheels are specially designed for high-frequency machines and air-powered turbine angle grinders. Edge chipping becomes a rarity with this wheel. The high-performance tool was developed for universal application on cast iron with lamellar graphite (GJL) and spheroidal cast iron (GJS) and is used for surface grinding as well as deburring work and fettling.

	Shape	Type number	Dimensions	Specification	PU
	27	34675377	125 × 7.0 × 22.23	ZA24P-BFP	10
		34675335	178 × 7.0 × 22.23	ZA24P-BFP	10
		34675336	230 × 7.0 × 22.23	ZA24P-BFP	10
		34646723	125 × 7.0 × 22.23	ZA24R-BFP	10
		34646710	150 × 7.0 × 22.23	ZA24R-BFP	10
		34680592	178 × 4.0 × 22.23	ZA24R-BFP	10
		34594147	178 × 7.0 × 22.23	ZA24R-BFP	10
		34680593	230 × 4.0 × 22.23	ZA24R-BFP	10
		34592779	230 × 7.0 × 22.23	ZA24R-BFP	10
		34677713	178 × 4.0 × 22.23	ZA24S-BFP	10
		34646709	178 × 7.0 × 22.23	ZA24S-BFP	10
		34669681	230 × 4.0 × 22.23	ZA24S-BFP	10
		34638169	230 × 7.0 × 22.23	ZA24S-BFP	10



Rough grinding wheels for nonferrous metals and nonferrous castings



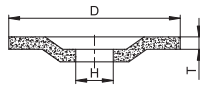
Shape 27

The PREMIUM rough grinding wheel developed specifically for nonferrous metals prevents clogging of the tool in order to reduce loading or dulling. Even at very low pressure, the wheel achieves extremely high abrasiveness. Tyrolit's formula and production methods enable exceptionally high stock removal rates to be obtained for nonferrous metal applications.

	Shape	Type number	Dimensions	Specification	PU
	27	5316	125 × 7.0 × 22.23	A36N-BFX	10
		5365	178 × 7.0 × 22.23	A36N-BFX	10
		5416	230 × 7.0 × 22.23	A36N-BFX	10



Rough grinding wheels for cast iron



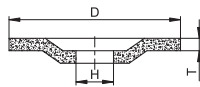
Shape 27

Tyrolit's STANDARD rough grinding wheels enable high removal rates combined with good tool life-times and increased comfort when working on cast iron. The new design reduces edge chipping to a minimum and enables high-quality results on complicated workpieces. Unlike competing products, the new rough grinding wheel range stands for reduced vibrations and clearly increased user-friendliness. This efficient tool has been specially designed for application on lamellar graphite cast iron (GJL) and spheroidal cast iron (GJS). It is used for surface grinding as well as deburring work and fettling.

	Shape	Type number	Dimensions	Specification	PU
	27	34652030	178 × 7.0 × 22.23	ZA24S-BFS	10
		34652161	230 × 7.0 × 22.23	ZA24S-BFS	10
		34681415	178 × 7.0 × 22.23	ZA24R-BFS	10
		34681416	230 × 7.0 × 22.23	ZA24R-BFS	10
		34681417	178 × 7.0 × 22.23	ZA24P-BFS	10
		34681418	230 × 7.0 × 22.23	ZA24P-BFS	10



SIC rough grinding wheels for cast iron



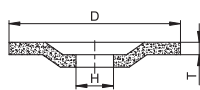
Shape 27

The new STANDARD SIC rough grinding wheels from Tyrolit have been specially developed for cleaning workpieces made of cast iron with lamellar graphite (GJL) and spheroidal cast iron (GJS). Thanks to the special silicon carbide specification of this tool, heavy sandings and stubborn cast skin are no longer a problem for you. The new design also minimises edge chipping and enables high-quality results on complicated workpieces. In contrast to competitor products, the new rough grinding range from Tyrolit stands for reduced vibrations and clearly increased user-friendliness.

	Shape	Type number	Dimensions	Specification	PU
	27	34675339	178 × 6.5 × 22.23	C24S-BFS	10
		34675338	230 × 6.5 × 22.23	C24S-BFS	10



VIBSTAR SOFT rough grinding wheels for cast iron



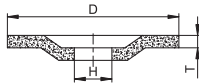
Shape 27

The VIBSTAR vibration damping system specially developed and patented by Tyrolit allows you to grind particularly gently. The multi-layer structure and the firmly connected plastic flange reduce the vibration load by up to 50%. Possible occupational illnesses such as muscular and skeletal damage as well as neurological diseases and circulatory disorders, such as white finger disease, no longer impair you in your work.

	Shape	Type number	Dimensions	Specification	PU
	27	34675378	178 × 7.0 × 22.23	ZA24P-BFP	10
		34675379	230 × 7.0 × 22.23	ZA24P-BFP	10



Rough grinding wheels for cast iron



Shape 27

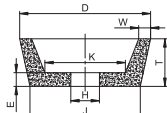
With the BASIC rough grinding wheel for cast iron you will obtain a tool that has been specially designed for cleaning and offers a high level of dimensional stability. Even with low pressure, the tool is easy cutting and durable. This tool has been developed for application on all cast materials and is particularly suitable for fettling.



Shape	Type number	Dimensions	Specification	PU
27	567352	178 × 8.0 × 22.23	AC30N-BF	10
	567353	230 × 8.0 × 22.23	AC30N-BF	10



Resin cup wheels for steel and cast steel materials



Shape 11BT

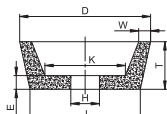
Tyrolit PREMIUM cup wheels achieve the highest stock removal rates and lifetime for large-area grinding jobs. The PREMIUM cup wheel, specially developed for steel, is also ideally suited for edge grinding, bevelling and grinding welding seams. For tool attachment you can choose between bore design 22, 23 and thread design M14. Please note the operating speed of max. 50 m/s.



Shape	Type number	Dimensions	Specification	PU
11BT	310183	110/90 × 55 × 22.23	A16P4B84	2
	311096	110/90 × 55 × 22.23	A36O4B84	2
	310997	130/90 × 55 × 22.23	A36O4B84	2



Resin cup wheels for stone and cast iron with metal penetration



Shape 11BT

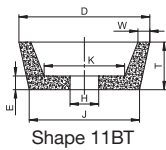
Tyrolit PREMIUM cup wheels achieve the highest stock removal rates and lifetime for large-scale grinding jobs. The cup wheel available for stone is particularly suitable for grinding scars on exposed concrete surfaces, bevelling and pre-grinding of engineered stone and terrazzo slabs as well as surface grinding on marble, slate and granite. For tool attachment you can choose between bore design 22, 23 and thread design M14. Please note the operating speed of max. 50 m/s.



Shape	Type number	Dimensions	Specification	PU
11BT	318070	110/90 × 55 × 22.23	1C24L4B2	2



Resin cup wheels for steel and cast steel materials



Shape 11BT

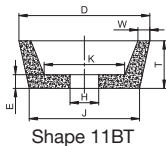
Tyrolit STANDARD cup wheels achieve very good stock removal rates and lifetime for large area grinding jobs. The cup wheel available for steel is also very suitable for edge grinding, bevelling and grinding welding seams. For tool attachment you can choose between bore design 22, 23 and thread design M14. Please note the operating speed of max. 50 m/s.



Shape	Type number	Dimensions	Specification	PU
11BT	895678	110/90 × 55 × 22.23	A16P-B	2
	895669	110/90 × 55 × 22.23	A36P-B	2



Resin cup wheels for stone and cast iron with metal penetration



Shape 11BT

Tyrolit STANDARD cup wheels achieve very good stock removal rates and lifetime for large-area grinding jobs. The cup wheel available for stone is particularly suitable for grinding scars on exposed concrete surfaces, bevelling and pre-grinding of engineered stone and terrazzo slabs as well as surface grinding on marble, slate and granite. For tool attachment you can choose between bore design 22, 23 and thread design M14. Please note the operating speed of max. 50 m/s.

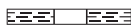


Shape	Type number	Dimensions	Specification	PU
11BT	895679	110/90 × 55 × 22.23	C16J-B	2

Grinding wheels for straight grinders



Grinding wheels for steel and cast steel materials



Shape 1F80

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 facilitates the maintenance of turbine blades as well as rough grinding curved surfaces in cavities and ridges. For diameters above 80 mm, we recommend using a protection cover.



Shape	Type number	Dimensions	Specification	PU
1F80	441207	50 × 10 × 10	A30S-BFX80	25
	34512038	100 × 25 × 25	A30S-BFX80	25
	441206	50 × 10 × 10	A30R-BFX80	25
	441203	100 × 25 × 25	A30R-BFX80	25
	441247	50 × 10 × 10	A36N-BFX80	25
	34512039	100 × 25 × 25	A36N-BFX80	25
	34518080	50 × 10 × 10	ZA24P-BFX80*	25
	34182994	100 × 25 × 25	ZA24P-BFX80*	25
	803404	S6/H10/M10	Accessory	1

*particularly for cast iron



Pedestal and pendular grinding

Tyrolit tools for pedestal and pendular grinding impress with their high performance and economic efficiency.

Due to their high cutting ability, the exertion on the part of the user is considerably reduced. Furthermore, they offer the highest safety standards for manual grinding applications. By choosing the appropriate

specification, you can either deburr or machine large feeder cross sections and hard cast materials. We offer you individual application engineering support in this regard.



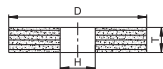
PREMIUM

FOCUR-EXTRA for pedestal and pendular grinding

Manual machining of cast workpieces on pedestal and swing frame grinders



Shape 1



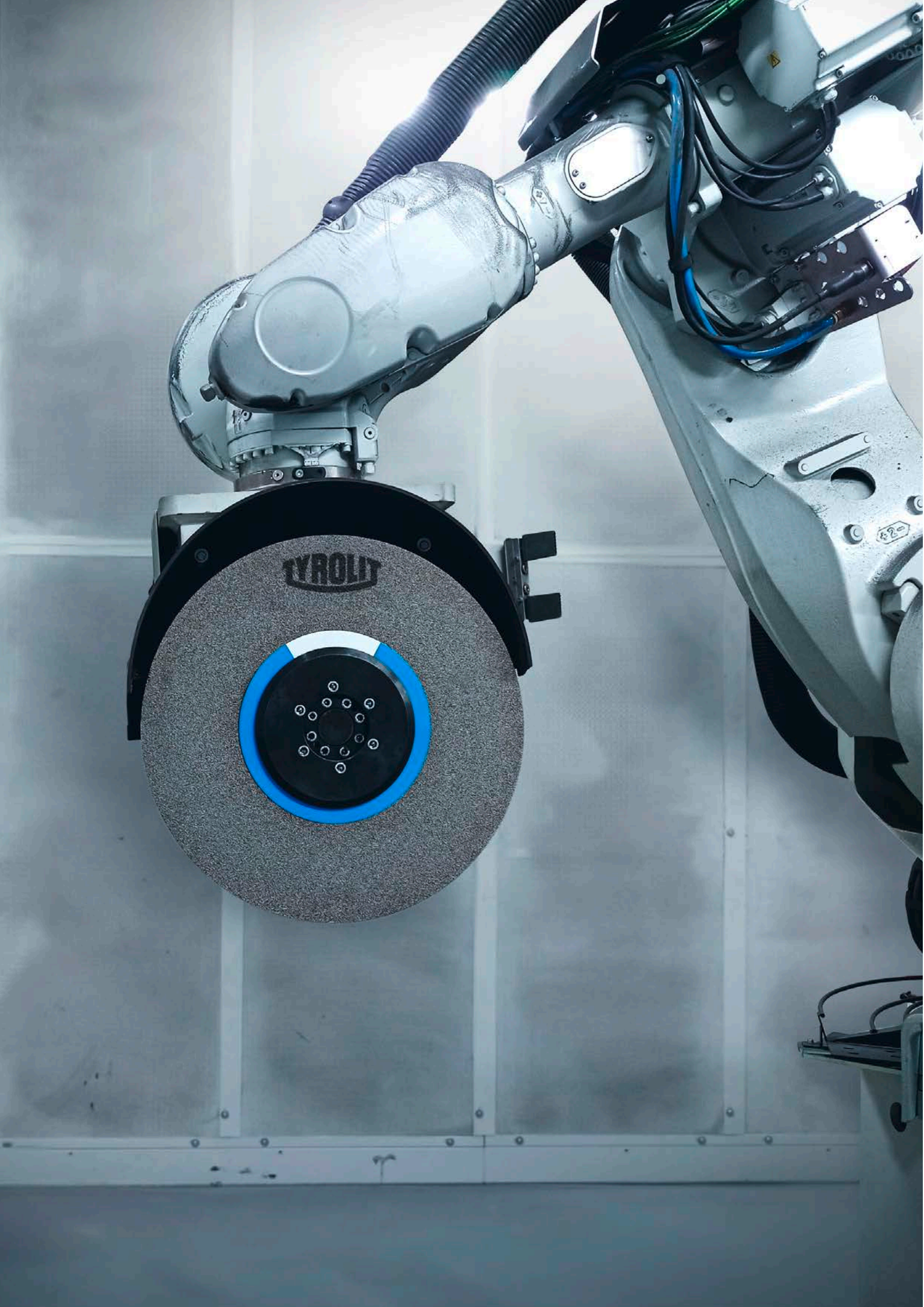
Shape 1F63
(with reinforcement)

In most abrasive mixtures, zirconia alumina is used for grinding cast materials, enabling much shorter grinding times, higher stock removal rates and longer lifetimes.

	Shape	Type number	Dimensions	Specification	PU	
	1	34507308	400 × 50 × 127	A16-BA/63	1	
		34507309	500 × 50 × 127	A16-BA/63	1	
		34535416	500 × 60 × 127	A16-BH/63	1	
		34507364	500 × 60 × 127	A16-BA/63	1	
		34507369	600 × 60 × 127	A14-BA/63	1	
		34507368	600 × 60 × 203,2	A14-BA/63	1	
		34535418	760 × 76 × 305	A14-BH/63	1	
		34507370	760 × 76 × 305	A14-BA/63	1	
		1F63	34535417*	600 × 60 × 203,2	A16-BFA/63	1

*1F63 – Shape 1F80 on request

Specification ...-BH is harder than ...-BA



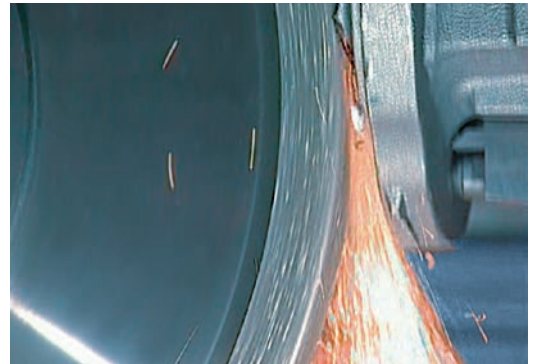
FOCUR SA

The most economical solution

By using diamond, we achieved a quantum leap in the machining quality of grey cast iron and spheroidal graphite cast iron.

Your benefits

- + Constant outer diameter of the tool
- + Precise shape accuracy over the entire tool life
- + Highest lifetime
- + No dressing cycle necessary
- + Reduced noise and dust emissions
- + Reduced cycle times resulting from optimised parameters
- + Maximum product safety
- + Possible replating increases profitability



Shape 9LL1S

Superior cooling with FOCUR SA

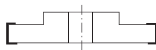
For the grinding of large surfaces, runners and risers we recommend the application of FOCUR SA with slots. These slots provide greater chip space and enable cooler grinding, whereby both the lifetime and the ability to produce a white surface have been decisively improved.

Besides a defined standard assortment for all the MAUS automatic fettling machines from SAM 300 – SAM 2000 we can also supply tools for all other manufacturers of automatic fettling machines on request.

To receive a prompt offer for a FOCUR SA product please send a drawing of your current tool to your nearest Tyrolit sales office and the appropriate tool recommendation will be sent by return.



1LL2



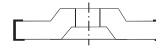
3LL1



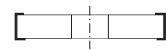
9LL1/9LL1S



14LL1



12LL1



1LL1R

Product designs can be adjusted to suit your individual grinding process by our experienced application engineers.








**Mounted points and
tungsten carbide burrs**



Vitrified-bonded mounted points for steel and cast steel

In foundries and mould making, using vitrified-bonded 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 number	Dimensions	Specification	PU	
	52ZY	548169	25 x 40 - 6 x 40	88A36P5V38	25
		34511978	40 x 40 - 6 x 40	88A60P5V38	25
	52A-11	148517	22 x 50 - 6 x 40	88A36P5V38	25
		20031	22 x 50 - 6 x 40	88A60P5V38	25
	52A-3	11480	25 x 70 - 6 x 40	88A36P5V38	25
		104894	25 x 70 - 6 x 40	88A60P5V38	25



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 perfect for deburring, bevelling

and edge breaking on cast iron materials. Due to their bond, they are especially suited for castings. Maximum operating speed: 50 m/s



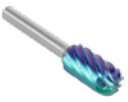

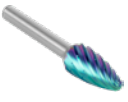

Shape	Type number	Dimensions	Specification	PU	
	52ZY	108261	10 x 25 - 6 x 40	A36Q4B84	25
		682107	20 x 40 - 6 x 40	A36Q4B0	25
		2211	25 x 32 - 6 x 40	A36Q4B84	25
		2249	32 x 40 - 6 x 40	A36Q4B84	25
		682111	40 x 20 - 6 x 40	A36Q4B0	25
		123696	40 x 25 - 6 x 40	A36Q4B84	25
		2284	50 x 25 - 6 x 40	A36Q4B84	25
	52W	310504	16 x 50 - 6 x 40	A46S4B84	25
		21202	25 x 40 - 6 x 40	A46S4B84	25
		123644	32 x 32 - 6 x 40	A46S4B84	25
	52A-11	126460	22 x 50 - 6 x 40	A46P4B84	25
	52A-3	129260	25 x 70 - 6 x 40	A46P4B84	25



Tungsten carbide burrs HPC for cast iron, steel and stainless steel

With the PREMIUM tungsten carbide burrs HPC (High Performance Coating) for the straight grinder, Tyrolit creates a previously unattained level of performance. The newly developed geometry of the cutting edges ensures maximum lifetime and best results on all types of steel. In addition, the tungsten carbide burrs are equipped with a state-of-the-art coating, which

makes them unique thanks to the special color combination. This makes the tools even harder and gives them a smoother surface. The combination of a new, specialised geometry with state-of-the-art coating technology guarantees maximum productivity, doubling the stock removal rate compared to other premium tungsten carbide burrs.







	Shape	Type number	Dimension	Specification	PU	
		52ZYA-S	34551596	6 x 18-6 x 50	MX-HPC	1
			34551597	8 x 19-6 x 64	MX-HPC	1
			34551598	10 x 19-6 x 64	MX-HPC	1
			34551599	12 x 25-6 x 70	MX-HPC	1
		52WRC	34551600	6 x 18-6 x 50	MX-HPC	1
			34551651	8 x 19-6 x 64	MX-HPC	1
			34551652	10 x 19-6 x 64	MX-HPC	1
			34551653	12 x 25-6 x 70	MX-HPC	1
		52RBF	34551654	6 x 18-6 x 50	MX-HPC	1
			34551655	8 x 19-6 x 64	MX-HPC	1
			34551656	10 x 19-6 x 64	MX-HPC	1
			34551657	12 x 25-6 x 70	MX-HPC	1



Tungsten carbide burrs for cast iron, steel and stainless steel

The PREMIUM tungsten carbide burrs for the straight grinder are manufactured on state-of-the-art CNC grinding machines. This results in an efficient precision tool in various designs that provides all the prerequisites for optimum results. The aggressive cutter profile is particularly long-chipping and delivers the greatest removal when working in hard-to-reach places.

Due to a specially developed geometry of the cutting edges, this tool always succeeds in keeping the generation of heat low in order to protect the workpiece and the burr. As a result, you achieve the best lifetimes on almost all materials.



	Shape	Type number	Dimensions	Specification	PU	
		52ZYA-S	768712	8 x 19-6 x 65	MX	1
			766116	10 x 19-6 x 65	MX	1
			766949	12 x 19-6 x 65	MX	1
			768721	16 x 25-6 x 70	MX	1
		52WRC	768881	10 x 19-6 x 65	MX	1
			766930	12 x 25-6 x 70	MX	1
			766133	12 x 25-6 x 70	MXX	1
		52KEL	766068	10 x 19-6 x 65	MX	1
			768894	12 x 30-6 x 75	MX	1



Tungsten carbide burrs for steel and cast steel

This powerful precision tool offers the best conditions for optimum grinding results. The specially developed geometry ensures the longest lifetime and the best results on all types of steel.

The profile is especially long-chipping and ensures a high stock removal volume. A reduced generation of heat protects the burr and the workpiece.




Shape	Type number	Dimensions	Specification	PU	
	52ZYA-S	34213557	6 × 18–6 × 50	SC	1
		34213559	10 × 19–6 × 64	SC	1
	52WRC	34213583	8 × 19–6 × 64	SC	1
		34213585	3 × 25–6 × 70	SC	1



Tungsten carbide burrs for nonferrous metals and nonferrous castings



The 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 exceptional results.

Shape	Type number	Dimensions	Specification	PU	
	52ZYA-S	768715	10 × 19–6 × 65	ALU	1
		768717	12 × 25–6 × 70	ALU	1
	52WRC	768884	10 × 19–6 × 65	ALU	1
		768885	12 × 25–6 × 70	ALU	1
	52KEL	766935	10 × 27–6 × 75	ALU	1
		768896	12 × 30–6 × 75	ALU	1



Diamond mounted points for cast iron

Shape	Type number	Dimensions	Specification	PU	
	52ZY	34530842	30 × 15 × 8	D851XGST	1
	52KE	34530843	20 × 40 × 8	D851XGST	1
		34530844	30 × 40 × 8	D851XGST	1
	52WR	34530845	20 × 30 × 8	D851XGST	1
		34530846	30 × 40 × 8	D851XGST	1





Belts



PREMIUM

CERABOND X belts for steel, cast steel and stainless steel

CERABOND X belts with a self-sharpening ceramic grain offer a high stock removal rate on steel, cast 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.

Shape		Type no.	Dimension	Specification	Grain	PU	
		BELT-PE	34572498	75 × 2000	CA-P94	24	10
		34571573	75 × 2000	CA-P94	36	10	
		34572499	75 × 2000	CA-P94	40	10	
		34572500	75 × 2000	CA-P94	50	10	
		34572511	75 × 2000	CA-P94	60	10	
		34572512	75 × 2000	CA-P94	80	10	
		34572517	150 × 2000	CA-P94	24	10	
		34572520	150 × 2000	CA-P94	36	10	
		34572532	150 × 2000	CA-P94	40	10	
		34572533	150 × 2000	CA-P94	50	10	
		34572534	150 × 2000	CA-P94	60	10	
		34572535	150 × 2000	CA-P94	80	10	

Other dimensions are available on request.





PREMIUM

ZA-P48 PE Y belts for steel, cast 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, cast steel and stainless steel applications. These products are mainly used for dry applications.

Shape		Type no.	Dimension	Specification	Grain	PU
 	BELT-PE	706473	75 × 2000	ZA-P48	36	10
		706474	75 × 2000	ZA-P48	60	10
		706475	75 × 2000	ZA-P48	80	10
		706477	75 × 2000	ZA-P48	120	10

Other dimensions are available on request.





PREMIUM

ZA-P41 PC X belts for steel, cast steel and nonferrous castings

This high-performance product equipped with durable polycotton has been developed for demanding cast steel, nonferrous castings 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: the product can also be used wet with oil, emulsion or water and still delivers optimum results.

Shape		Type no.	Dimension	Specification	Grain	PU
 	BELT-PE	706463	75 × 2000	ZA-P41	40	10
		706464	75 × 2000	ZA-P41	60	10
		706465	75 × 2000	ZA-P41	80	10
		706466	75 × 2000	ZA-P41	120	10
		706504	150 × 2000	ZA-P41	40	10
		706506	150 × 2000	ZA-P41	60	10
		706507	150 × 2000	ZA-P41	80	10

Other dimensions are available on request.

Tyrolit - Schleifmittelwerke Swarovski AG & Co K.G.

Swarovskistraße 33 | 6130 Schwaz | Austria

Tel +43 5242 606-0 | Fax +43 5242 63398

Our **worldwide subsidiary companies** can be found
on our website at www.tyrolit.com



Find us on social media
TYROLITgroup