YOUR PARTNER IN THE FOUNDRY INDUSTRY

The best solution for your grinding and cutting applications

Premium grinding tools since 1919
www.tyrolit.com

TYROLIT

The TYROLIT Group

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

Since 1919, our innovative tools have been making an important contribution to technological development in numerous industries. TYROLIT offers tailored grinding solutions for a varied range of applications and a comprehensive assortment of standard tools for customers all over the world.

The family-owned company based in Schwaz, Austria, combines the dynamic strengths of the Swarovski Group with over a hundred years of commercial and technological experience.

TYROLIT company headquarters in Schwaz, Austria

Facts & figures

80,000+
products

29
production locations

4,400+
employees worldwide

36
sales locations

500+
international patents

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.

Your competent partner **in the foundry industry**

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, TYROLIT repeatedly set new standards in the preparation of steel and cast iron.

TYROLIT not only sets standards for quality and processing time, but also lays a big focus on optimizing the product range in terms of ergonomics, safety and environmental compability.

Our services for the foundry industry at a glance:

Application technology

Innovative products

Customer-specific solutions

Global presence

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 provided its customers with on-site support.

Material-specific products to 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. Drawing up individual proposals for a solution to 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

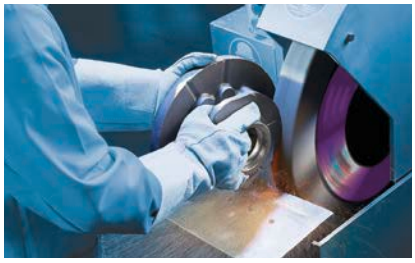
+ The global presence of our application engineers
+ Tailor made solutions and process optimisation to suit individual tasks
+ Close cooperation with machine manufacturers
+ Internal and external seminars and training courses


TYROLIT

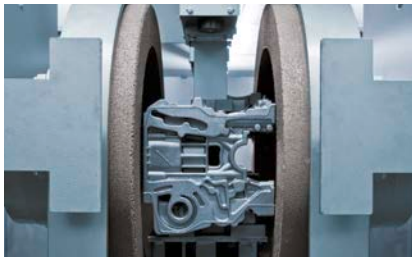
Decades of know-how in the foundry industry!

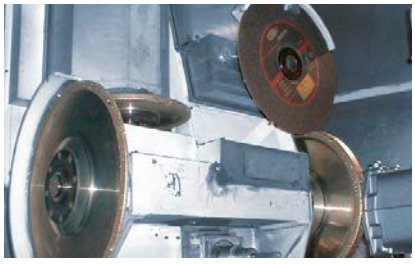
Highest efficiency in manual fettling…



… as well as in the automated machining of castings!





Product innovations
Grinding & cutting 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 cut off grinding. 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.

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

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

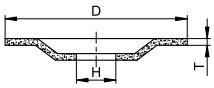
2014
Diamond cut-off wheels FOCUR SA
Unbelievable lifetime for very demanding applications

Cutting discs

Cut-off wheels for angle grinder

★★★ PREMIUM

LONGLIFE cut-off wheels
for steel and cast steel



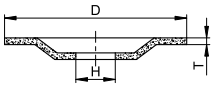
Shape 42

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	VP
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

★★★ PREMIUM

FOCUR Extra cut-off wheels
for cast iron



Shape 42

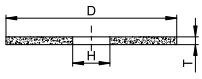
The PREMIUM FOCUR Extra cut-off wheel offers maximum abrasiveness coupled with the best cutting ability. Innovative production technology combined with high-quality zirconium aluminium oxide makes this possible. This high-performance tool has been developed for use on all cast materials.

Shape	Type number	Dimensions	Specification	VP
42	929887	178 × 3.5 × 22,23	ZA30R-BFXA	25
	635268	230 × 3.0 × 22,23	ZA30P-BFXA*	25
	855818	230 × 3.5 × 22,23	ZA30P-BFXA*	25
	929889	230 × 3.5 × 22.23	ZA30R-BFXA	10

** Fe, S, Cl free.*

★★★ PREMIUM

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 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	VP
41	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

★★★ PREMIUM

FOCUR SA Diamond cut-off wheel
for cast iron

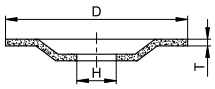
Shape UC3

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	VP
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

★★ STANDARD

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



Shape 42

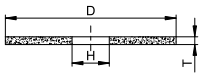
This STANDARD cut-off wheel reduces the work of the operator due to its excellent cutting ability. When used on stone or materials with metal penetration, the wheel impresses by achieving clean cutting edges and good cutting quality.

Shape	Type number	Dimensions	Specification	VP
42	367787	125×2.5×22.23	C30S-BF	25
	367801	178×3.0×22.23	C30S-BF	25
	367084	230×3.0×22.23	C30S-BF	25

Cut-off wheels for stationary cutting machines

★★★ PREMIUM

Cut-off wheels
for steel and cast steel

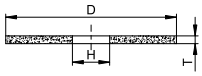


Shape 41

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	VP
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

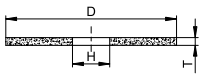


Shape 41

TYROLIT provides the optimal tools for use on stationary cutting machines in chop cut. The 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	VP
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	VP
41	800035	400 × 4.0 × 40	A30O4BF59M	10
	422374	500 × 5.5 × 40	A24N5BF59M2	10

FOCUR SA
Diamond cut-off wheel for cast iron

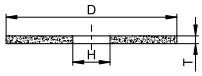
Shape UC3

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	VP
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

★★★ PREMIUM

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



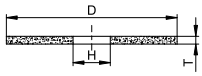
Shape 41N

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	VP
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

★★★ PREMIUM

Laboratory cut-off wheels
for nonferous metals, nonferrous castings and titanium



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.

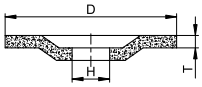
Shape	Type number	Dimensions	Specification	VP
41N	167210	250 × 1.5 × 32	C80-BN50	10
	167229	300 × 2.0 × 32	C80-BN50	10
	167335	350 × 2.5 × 32	C80-BN50	10
	167432	400 × 3.0 × 32	C80-BN50	10
	167354	432 × 3.0 × 32	C80-BN50	10

Items with grey lettering are only available on request.

Grinding wheels

Grinding wheels for angle grinder

★★★ PREMIUM CERABOND X rough grinding wheels
for steel, cast steel and stainless steel

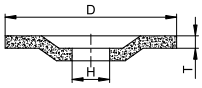


Shape 27

The combination of ceramic grains and our unique TYROLIT bonding system guarantees continuous aggressiveness with an unmatchable lifetime. CERABOND X stays sharp, making it the best solution for grinding steel, cast steel and stainless steel in heavy-duty applications. Whether you're edge grinding, surface grinding or removing welding seams, CERABOND X will get the job done faster.

Shape	Type number	Dimensions	Specification	VP
27	34387126	125 × 7.0 × 22.23	CA24Q-BFP	5
	34401850	178 × 7.0 × 22.23	CA24Q-BFP	5
	34387127	230 × 7.0 × 22.23	CA24Q-BFP	5

★★★ PREMIUM LONGLIFE Z-MAX rough grinding wheels
for steel and cast steel

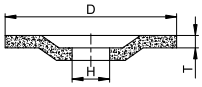


Shape 27

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

Shape	Type number	Dimensions	Specification	VP
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

★★★ PREMIUM FOCUR EXTRA rough grinding wheels
for cast iron



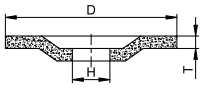
Shape 27

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 number	Dimensions	Specification	VP
27	233756	125 × 7.0 × 22.23	ZA24N-BFX	10
	233759	178 × 7.0 × 22.23	ZA24N-BFX	10
	233762	230 × 7.0 × 22.23	ZA24N-BFX	10
	233768	178 × 7.0 × 22.23	ZA24P-BFX	10
	233771	230 × 7.0 × 22.23	ZA24P-BFX	10
	233776	178 × 7.0 × 22.23	ZZA24R-BFX	10
	233778	230 × 7.0 × 22.23	ZZA24R-BFX	10
	929018	178 × 7.0 × 22.23	ZZA24S-BFX	10
	929020	230 × 7.0 × 22.23	ZZA24S-BFX	10

★★★ PREMIUM

Rough grinding wheels
for nonferrous metals and nonferrous castings



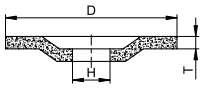
Shape 27

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	VP
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

★★ STANDARD

FOCUR rough grinding wheels
for cast iron



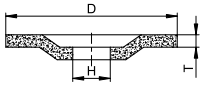
Shape 27

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 number	Dimensions	Specification	VP
27	154544	178×7.0×22.23	ZA30O- BF	10
	154545	230×7.0×22.23	ZA30O- BF	10

★★ STANDARD

Rough grinding wheels
for stone and cast iron with metal penetration



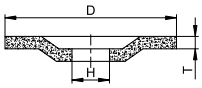
Shape 27

The abrasive STANDARD rough grinding wheel for stone and cast iron is quick and convenient to use and requires minimal exertion. This rough grinding wheel with silicon carbide is specifically for stone and cast iron with metal penetration.

Shape	Type number	Dimensions	Specification	VP
27	367549	125×6.0×22.23	C30S-BF	10
	367552	178×6.0×22.23	C30S-BF	10
	367557	230×6.0×22.23	C30S-BF	10

★
BASIC

Rough grinding wheels
for cast iron



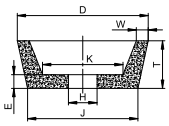
Shape 27

With the BASIC rough grinding wheel for cast iron you will obtain a tool that has been specially designed for 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 number	Dimensions	Specification	VP
27	567352	178 × 8.0 × 22.23	AC30N-BF	10
	567353	230 × 8.0 × 22,23	AC30N-BF	10

★★★
PREMIUM

Resin cup wheel
for steel and cast steel materials



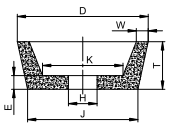
Shape 11BT

Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas.
The PREMIUM cup wheel for steel and cast steel is ideal for edge grinding and bevelling.
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 number	Dimensions	Specification	VP
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

★★★
PREMIUM

Resin cup wheel
for stone and cast iron with metal penetration



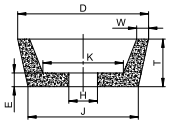
Shape 11BT

Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas.
The cup wheel is suitable for grinding on metal with penetration, concrete, marble 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 number	Dimensions	Specification	VP
11BT	318070	110/90 × 55 × 22.23	1C24L4B2	2

★★ STANDARD

Resin cup wheel
for steel and cast steel materials



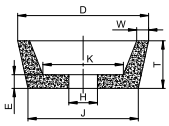
Shape 11BT

Cup wheels achieve excellent stock removal rates and lifetime for grinding jobs on large areas. The cup wheel for steel and cast 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 number	Dimensions	Specification	VP
11BT	895678	110/90 × 55 × 22.23	A16P-B	2
	895669	110/90 × 55 × 22.23	A36P-B	2

★★ STANDARD

Resin cup wheel
for stone and cast iron with metal penetration



Shape 11BT

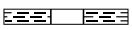
Cup wheels achieve excellent stock removal rates and lifetime for grinding jobs on large areas. The cup wheel is suitable for grinding on metal with penetration, concrete, marble and granite. There is a choice of bore design 22.23 and thread design M14 for fitting to the tool.
Observe operating speed: max. 50 m/s

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

Grinding wheels for straight grinders

★★★ PREMIUM

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 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 number	Dimensions	Specification	VP
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*


TYROLIT

Pedestal and pendular grinding

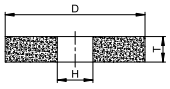
TYROLIT tools for pedestal and pendular grinding impress with their high performance and ecoanomic efficiency.

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 applications engineering support in this regard.

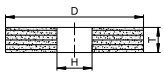
★★★ PREMIUM

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 to be achieved.

Shape	Type number	Dimensions	Specification	VP
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
1F63	34535417*	600×60×203,2	A16-BFA/63	1
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

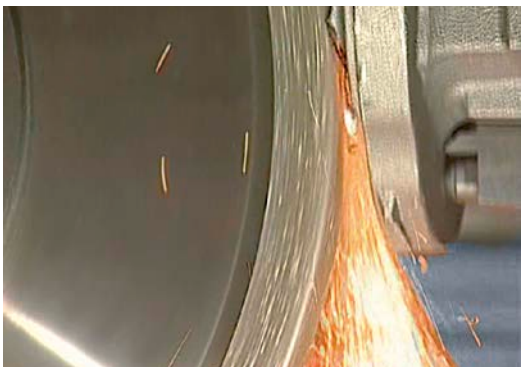
**1F63 – Shape 1F80 on request*
Specification ...-BH is harder than ...-BA

Good, better, FOCUR SA!
Revolution in automated fettling

In 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 throughout the useful life of the tool
- + Top lifetime
- + No dressing cycle
- + Reduced noise and dust emissions
- + Reduced cycle times resulting from optimised parameters
- + Maximum product safety
- + Making use of the option of having the FOCUR Super Abrasive tool replated at TYROLIT increases the tool profitability



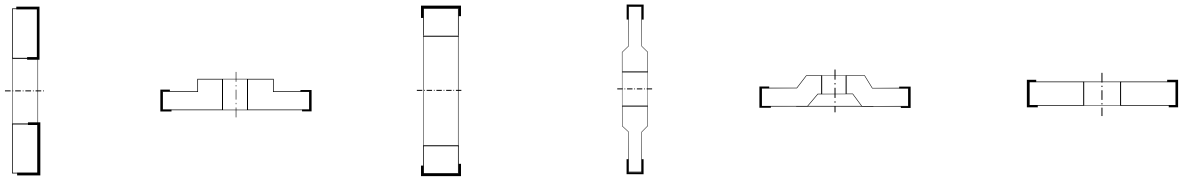
Shape 9LL1S

FOCUR SA – keep cool

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.


KROLL

Mounted points & tungsten carbide burrs

★★★ PREMIUM

Ceramic points
for steel and cast 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 number	Dimensions	Specification	VP
	52ZY	548169	25×40 6×40	88A36P5V38	25
		34511977	25×40 6×40	88A60P5V38	25
		828192	40×40 6×40	88A36P5V38	25
		34511977	40×40 6×40	88A60P5V38	25
	52A-11	148517	22×50 6×40	88A36P5V38	25
		20031	22×50 6×40	88A60P5V38	25
	52A-3	11480	25×70 6×40	88A36P5V38	25
		104894	25×70 6×40	88A60P5V38	25

★★★ PREMIUM

Resin-bonded mounted points
for cast iron

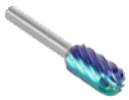
The PREMIUM resin mounted points (dark brown) have a vibration reducing effect due to their composition and therefore boast low impact sensitivity. Due to their special quality, these points are best suited to deburring, bevelling and edge breaking on cast iron materials. Due to their bond, they are specially suited to casting. Maximum operating speed: 50 m/s

Shape		Type number	Dimensions	Specification	VP
	52ZY	108261	10×25 6×40	A36Q4B84	25
	52W	310504	16×50 6×40	A46S4B84	25
	52ZY	682107	20×40 6×40	A36Q4B0	25
		544688	25×40 6×40	A36Q4B84	25
		282635	30×30 6×40	A36Q4B84	25
		673613	30×50 6×40	A46S4B84	25
		682111	40×20 6×40	A36Q4B0	25
		336830	40×40 6×40	A36Q4B84	25
		912344	40×40 8×40	A36Q4B84	25
		859255	50×30 8×40	A36Q4B84	25
	52A-11	126460	22×50 6×40	A46P4B84	25
	52A-3	129260	25×70 6×40	A46P4B84	25

★★★ PREMIUM

Tungsten carbide burrs HPC
for casting, steel and stainless steel

HPC tungsten carbide burrs are produced on modern CNC grinding machines. The result is a highly efficient precision tool that achieves optimum grinding results. The newly developed geometry of the cutting edges ensures the longest possible lifetime and the best results on all types of steel. Plus, the tungsten carbide burrs are equipped with a state-of-the-art coating that not only makes them even stronger, but also creates a smoother surface. This improves chip transport considerably.

	Shape		Type number	Dimension	Specification	PU
		52ZYA-S	34551596	6x18-6x50	MX-HPC	1
			34551597	8x19-6x64	MX-HPC	1
			34551598	10x19-6x64	MX-HPC	1
			34551599	12x25-6x70	MX-HPC	1
		52WRC	34551600	6x18-6x50	MX-HPC	1
			34551651	8x19-6x64	MX-HPC	1
			34551652	10x19-6x64	MX-HPC	1
			34551653	12x25-6x70	MX-HPC	1
		52RBF	34551654	6x18-6x50	MX-HPC	1
			34551655	8x19-6x64	MX-HPC	1
			34551656	10x19-6x64	MX-HPC	1
			34551657	12x25-6x70	MX-HPC	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 number	Dimensions	Specification	VP
		52ZYA-S	768712	8×19 6×65	MX	1
			766116	10×19 6×65	MX	1
			766949	12×19 6×65	MX	1
			768721	16×25 6×70	MX	1
		52WRC	768881	10×19 6×65	MX	1
			766930	12×25 6×70	MX	1
		52KEL	766068	10×19 6×65	MX	1
			768894	12×30 6×75	MX	1

★★★ PREMIUM

Tungsten carbide burrs
for steel and cast steel

TYROLIT tungsten carbide burrs are produced on modern CNC grinding machines. The result is a highly efficient precision tool that achieves optimum grinding results. The specially developed wheel geometry ensures the longest lifetime and the best results on all types of steel.

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

Shape		Type number	Dimensions	Specification	VP
	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

★★★ 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 number	Dimensions	Specification	VP
	52WRC	766133	12×25 6×70	MXX	1
	52KEL	837619	12×30 8×75	MXX	1

★★★ PREMIUM

Tungsten carbide burrs
for nonferrous metals and nonferrous castings

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 number	Dimensions	Specification	VP
	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

★★★ PREMIUM

Diamond mounted points
for cast iron

Production of the TYROLIT PREMIUM diamond mounted points is performed on modern CNC grinding machines. The result is a highly efficient precision tool that has been specially developed for use on cast iron.

Compared to conventional ceramic or resin mounted points, diamond tools are characterized by a long lifetime and shorter grinding time. They also offer a high level of dimensional accuracy.

Shape		Type number	Dimensions	Specification	VP
	1A1W	34530842	30×15×8	D851XGST	1
	1A1W	34530843	20×40×8	D851XGST	1
		34530844	30×40×8	D851XGST	1
	1A1W	34530845	20×30×8	D851XGST	1
		34530846	30×40×8	D851XGST	1

Grinding belts

★★★
PREMIUM

CERABOND X belts

for steel, cast steel and stainless steel

Belts with 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	Grain	Max. RPM	PU
		Belt	34572498	75x2000	24	JTS	10
			34571573	75x2000	36	JTS	10
			34572499	75x2000	40	JTS	10
			34572500	75x2000	50	JTS	10
			34572511	75x2000	60	JTS	10
			34572512	75x2000	80	JTS	10
			34572517	150x2000	24	JTS	10
			34572520	150x2000	36	JTS	10
			34572532	150x2000	40	JTS	10
			34572533	150x2000	50	JTS	10
			34572534	150x2000	60	JTS	10
			34572535	150x2000	80	JTS	10

★★★ 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 number	Dimensions	Specification	VP
Belt 3	706437	50 × 2000	36 - ZA-P48 PEY JTS	10
	706438	50 × 2000	60 - ZA-P48 PEY JTS	10
	706441	50 × 2000	80 - ZA-P48 PEY JTS	10
	706442	50 × 2000	120 - ZA-P48 PEY JTS	10
	706473	75 × 2000	36 - ZA-P48 PEY JTS	10
	706474	75 × 2000	60 - ZA-P48 PEY JTS	10
	706475	75 × 2000	80 - ZA-P48 PEY JTS	10
	706477	75 × 2000	120 - ZA-P48 PEY JTS	10
	34289213	100 × 2000	36 - ZA-P48 PEY JTS	10
	34255773	100 × 2000	60 - ZA-P48 PEY JTS	10
	34247635	100 × 2000	80 - ZA-P48 PEY JTS	10
	34293721	100 × 2000	120 - ZA-P48 PEY JTS	10
	34263616	150 × 2000	36 - ZA-P48 PEY JTS	10
	34240948	150 × 2000	60 - ZA-P48 PEY JTS	10
	34252634	150 × 2000	80 - ZA-P48 PEY JTS	10
	34232969	150 × 2000	120 - ZA-P48 PEY JTS	10

★★★ 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 optimal results.

Shape	Type number	Dimensions	Specification	VP
Belt 3	34182550	120 × 1500	40 - ZA-P41 PCX JTS	10
	34292022	120 × 1500	60 - ZA-P41 PCX JTS	10
	34198215	120 × 1500	80 - ZA-P41 PCX JTS	10
	34254727	120 × 1500	120 - ZA-P41 PCX JTS	10
	34508596	150 × 1500	40 - ZA-P41 PCX JTS	10
	34260054	150 × 1500	60 - ZA-P41 PCX JTS	10
	34508597	150 × 1500	80 - ZA-P41 PCX JTS	10
	34508598	150 × 1500	120 - ZA-P41 PCX JTS	10
	706426	50 × 2000	40 - ZA-P41 PCX JTS	10
	706464	50 × 2000	60 - ZA-P41 PCX JTS	10
	706465	50 × 2000	80 - ZA-P41 PCX JTS	10
	706466	50 × 2000	120 - ZA-P41 PCX JTS	10
	706463	75 × 2000	40 - ZA-P41 PCX JTS	10
	706464	75 × 2000	60 - ZA-P41 PCX JTS	10
	706465	75 × 2000	80 - ZA-P41 PCX JTS	10
	706466	75 × 2000	120 - ZA-P41 PCX JTS	10
	34309910	100 × 2000	40 - ZA-P41 PCX JTS	10
	34178544	100 × 2000	60 - ZA-P41 PCX JTS	10
	34332978	100 × 2000	80 - ZA-P41 PCX JTS	10
	34382494	100 × 2000	120 - ZA-P41 PCX JTS	10
	706504	150 × 2000	40 - ZA-P41 PCX JTS	10
	706506	150 × 2000	60 - ZA-P41 PCX JTS	10
	706507	150 × 2000	80 - ZA-P41 PCX JTS	10
	34323171	150 × 2000	120 - ZA-P41 PCX JTS	10

Items with grey lettering are only available on request.

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