



Product Innovations

2018/1

Premium grinding tools since 1919
www.tyrolit.com



TYROLIT Group

A global company

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

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



TYROLIT company headquarters in Schwaz, Austria

TYROLIT business units



Trade

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



Metal / Precision

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



Construction

In the construction division, TYROLIT is the leading system supplier for drilling systems, wall- and wire saws, floor saws and surface treatment.



Stone–Ceramics–Glass

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

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Symbols



Angle grinder



Straight grinder



Steel



2in1 steel / stainless steel



Stainless steel



Nonferrous metals



2in1 aluminium / stone




Superthin cut-off wheels

A new range introduces itself

After an intensive period of development work, we will launch a completely new range of super-thin cut-off wheels. This development covers all qualities of **BASIC***, **STANDARD**** and **PREMIUM***** ranges.

In 2018 we will focus on our cutting wheels. An upgrade to all existing super-thin cut-off wheels is planned for all quality lines. In addition, we are expanding our **STANDARD**** lines with super-thin cut-off wheels for steel and 2in1.

The new range of super-thin cut-off wheels

★★★ PREMIUM	★★ STANDARD	★ BASIC
<ul style="list-style-type: none"> — Steel — 2in1 — Stainless steel — Nonferrous metals — Stone 	<ul style="list-style-type: none"> — Steel — 2in1 — Stainless steel 	<ul style="list-style-type: none"> — 2in1 — Stainless steel
		

Performance level	Stainless steel	Longlife	2in1	Nonferrous metals	Nonferrous metals and stone
★★★ PREMIUM	+ 40 %	+ 60 %	+ 35 %	+ 35 %	+ 35 %
★★ STANDARD	+ 60 %	NEW	NEW	—	—
★ BASIC	+ 35 %	—	+ 35 %	—	—



Cut-off wheels

Super-thin LONGLIFE cut-off wheels for steel

+ Enhanced economic efficiency

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

+ Reduced working times

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



+ Maximum comfort while working

Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

TYROLIT Film



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

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

thicknesses of 1.0 to 2.0 mm, these super-thin cut-off wheels are suitable for all types of steel and impress with exceptional results without compromise.

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





Cut-off wheels

Super-thin LONGLIFE cut-off wheels for steel

+60 %
Performance



	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332576	16118	115x1.0x22.23	A60S-BFP	25
		34332755	51825	115x1.6x22.23	A46S-BFP	25	
		34332754	16121	125x1.0x22.23	A60S-BFP	25	
		34332756	51838	125x1.6x22.23	A46S-BFP	25	
		34332757	34194857	150x1.2x22.23	A46S-BFP	25	
		34332758		150x1.6x22.23	A46S-BFP	25	
		34332759	34194859	178x1.6x22.23	A46S-BFP	25	
		34332760	183113	230x1.9x22.23	A46S-BFP	25	
		34332771	34194860	230x2.0x22.23	A30S-BFP	25	





Cut-off wheels
For steel



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

material. The assortment of STANDARD** cut-off wheels for steel ranges from 1.0 to 2.0 mm. It offers a long lifetime and is suitable for universal use.

	Shape	Type no.	Dimension	Specification	PU	
		41	34332840	115x1x22.23	A60S-BFS	25
			34332852	115x1.6x22.23	A46S-BFS	25
			34332851	125x1x22.23	A60S-BFS	25
			34332853	125x1.6x22.23	A46S-BFS	25
			34332854	150x1.6x22.23	A46S-BFS	25
			34332892	178x1.6x22.23	A46S-BFS	25
			34332856	230x1.9x22.23	A46S-BFS	25
			34332857	230x2x22.23	A30S-BFS	25



Cut-off wheels

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

+ Enhanced economic efficiency

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

+ Reduced working times

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



+ Maximum comfort while working

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





With the next generation PREMIUM*** 2in1 cut-off wheels you can enhance performance while significantly reducing tool wear. In thicknesses of 1.0 to 2.0mm, these super-thin 2in1 cut-off wheels have

been developed for machining steel and stainless steel.

The chemical purity makes this tool ideal for machining stainless steel. In this way, impairments to the material, such as corrosion, pitting corrosion



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



Cut-off wheels

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



	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332791	773268	115x1.0x22.23	A60Q-BFP	25
		34332793	14082	115x1.6x22.23	A46Q-BFP	25	
		34332792	773269	125x1.0x22.23	A60Q-BFP	25	
		34332794	14085	125x1.6x22.23	A46Q-BFP	25	
		34332795	34165055	150x1.2x22.23	A46Q-BFP	25	
		34332796	920351	150x1.6x22.23	A46Q-BFP	25	
		34332797	34165056	178x1.6x22.23	A46Q-BFP	25	
		34332798	920353	230x1.9x22.23	A46Q-BFP	25	
		34332799	34165057	230x2.0x22.23	A30Q-BFP	25	





Cut-off wheels

2in1 for steel and stainless steel



The STANDARD** 2in1 wheel is suitable for cutting metal sheets, profiles, pipes, rods and solid material and has been designed to be used on both steel and stainless steel. The standard widths offer a cost-efficient solution to your everyday needs excellent lifetime and stability are guaranteed.

The STANDARD** cut-off wheels range from 1.0 to 2.0 mm and guarantee quick and easy operation with the longest tool lifetime.

	Shape	Type no.	Dimension	Specification	PU	
		41	34332859	115x1x22.23	A60Q-BFS	25
			34332861	115x1.6x22.23	A46Q-BFS	25
			34332860	125x1x22.23	A60Q-BFS	25
			34332862	125x1.6x22.23	A46Q-BFS	25
			34332863	150x1.6x22.23	A46Q-BFS	25
			34332893	178x1.6x22.23	A46Q-BFS	25
			34332865	230x1.9x22.23	A46Q-BFS	25
			34332866	230x2x22.23	A30Q-BFS	25





Cut-off wheels 2in1 for steel and stainless steel

+35 %
Performance



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

The stable cut-off wheels in thicknesses between 1.0 and 2.0 mm have a very long lifetime and are suitable for universal use.

	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332870	34051373	115x1.0x22.23	A60Q-BFB	25
			34332872	222899	115x1.6x22.23	A46Q-BFB	25
			34332871	34051374	125x1.0x22.23	A60Q-BFB	25
			34332873	222900	125x1.6x22.23	A46Q-BFB	25
			34332874	34051375	150x1.6x22.23	A46Q-BFB	25
			34332875	633506	178x1.6x22.23	A46Q-BFB	25
			34332876	633509	230x1.9x22.23	A46Q-BFB	25
			34332877	291949	230x2.0x22.23	A30Q-BFB	25



Cut-off wheels

Super-thin cut-off wheels for stainless steel

+ Enhanced economic efficiency

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

+ Reduced working times

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



+ Maximum comfort while working

Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.





With the next generation PREMIUM*** cut-off wheels for stainless steel you can enhance performance while significantly reducing tool wear. Super-thin cut-off wheels can be obtained from TYROLIT in thicknesses from 0.75 to 2.0 mm. They are

particularly suitable for thin-walled metal sheets, profiles and pipes, as well as reinforced steel. Even for small stainless steel cross-sections and rods, and corrosion-resistant or acid-resistant stainless steel these cut-off wheels offer

effortless machining. The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength.





Cut-off wheels

Super-thin cut-off wheels for stainless steel

+40 %
Performance



	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332800	610935	115x0.75x22.23	A60R-BFP	25
			34332802	674471	115x1.0x22.23	A60R-BFP	25
			34332804	51841	115x1.6x22.23	A46R-BFP	25
			34332801	610937	125x0.75x22.23	A60R-BFP	25
			34332803	674473	125x1.0x22.23	A60R-BFP	25
			34332805	51844	125x1.6x22.23	A46R-BFP	25
			34332806	34060382	150x1.2x22.23	A46R-BFP	25
			34332807	291583	150x1.6x22.23	A46R-BFP	25
			34332808	34059901	178x1.6x22.23	A46R-BFP	25
			34332809		230x1.9x22.23	A46R-BFP	
			34332810	34059902	230x2.0x22.23	A30R-BFP	25



Cut-off wheels

For stainless steel



+60 %
Performance



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

The assortment of these cut-off wheels ranges from thicknesses of 1.0 to

2.0 mm for fast, convenient and low-burr cutting. The stable cut-off wheels in thicknesses between 2.0 and 2.5 mm have a very long lifetime and are suitable for universal use.

	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332830	367562	115x1.0x22.23	A60R-BFS	25
			34332833	367561	115x1.6x22.23	A46R-BFS	25
			34332832	367568	125x1.0x22.23	A60R-BFS	25
			34332834	367567	125x1.6x22.23	A46R-BFS	25
			34332835		150x1.6x22.23	A46R-BFS	25
			34332891	367576	178x1.6x22.23	A46R-BFS	25
			34332838	367581	230x1.9x22.23	A46R-BFS	25
			34332839	367780	230x2.0x22.23	A30R-BFS	25





Cut-off wheels
For stainless steel

+35 %
Performance



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

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

Shape			Type no. new	Type no. old	Dimension	Specification	PU
	41		34354594	456491	100x1.0x10	A60R-BFB	25
			34354597	222893	100x1.0x16	A60R-BFB	25
			34332868	222894	115x1.0x22.23	A60R-BFB	25
			34332869	222896	125x1.0x22.23	A60R-BFB	25



Cut-off wheels

Super-thin cut-off wheels for nonferrous metals

+ Enhanced economic efficiency

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

+ Reduced working times

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



+ Maximum comfort while working

Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

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

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

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







Cut-off wheels

Super-thin cut-off wheels for nonferrous metals

+35 %
Performance



	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332821	840247	115x1.0x22.23	A60N-BFP	25
			34332823	623553	115x1.6x22.23	A46N-BFP	25
			34332822	257533	125x1.0x22.23	A60N-BFP	25
			34332824	739982	125x1.6x22.23	A46N-BFP	25
			34332825	34025004	230x2.0x22.23	A30N-BFP	25



Cut-off wheels



For nonferrous metals and stone

+35 %
Performance



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

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

	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332827	337383	115x1.0x22.23	C60S-BFP	25
			34332828	342978	125x1.0x22.23	C60S-BFP	25
			34332829	320335	178x1.6x22.23	C46S-BFP	25





Rough grinding wheel LONGLIFE Z-MAX for steel



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

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

	Shape	Type no.	Dimension	Specification	PU	
		27	34353701	115x4,0x22,23	ZA30S-BFX	10
			34353683*	115x7,0x22,23	ZA30S-BFX	10
			34353702	125x4,0x22,23	ZA30S-BFX	10
			34353684*	125x7,0x22,23	ZA30S-BFX	10
			34353704	150x4,0x22,23	ZA30S-BFX	10
			34353686*	150x7,0x22,23	ZA30S-BFX	10
			34353705	178x4,0x22,23	ZA30S-BFX	10
			34353687*	178x7,0x22,23	ZA30S-BFX	10
			34353688*	178x8,0x22,23	ZA30S-BFX	10
			34353706	230x4,0x22,23	ZA30S-BFX	10
			34353689*	230x7,0x22,23	ZA30S-BFX	10
			34353690*	230x8,0x22,23	ZA30S-BFX	10

* With "Comfort Start" edge





Rough grinding wheel FASTCUT 2in1 for steel and stainless steel



The PREMIUM*** FASTCUT rough grinding wheel optimises the cutting ability and, together with its unique "Comfort Start" edge, realises the highest level of comfort plus an excellent lifetime. All of these features guarantee economical and efficient methods for the operator with regard

to the comfortable machining of steel and stainless steel. You can see for yourself the performance and abrasiveness of the FASTCUT rough grinding wheel.

	Shape	Type no.	Dimension	Specification	PU	
		27	5293*	115x7.0x22.23	A30P-BFX	10
			5313*	125x7.0x22.23	A30P-BFX	10
			5330*	150x7.0x22.23	A30P-BFX	10
			1421*	178x7.0x22.23	A30P-BFX	10
			5382*	178x8.0x22.23	A30P-BFX	10
			5412*	230x7.0x22.23	A30P-BFX	10
			5428*	230x8.0x22.23	A30P-BFX	10
			60474*	230x10.0x22.23	A30P-BFX	10

* With "Comfort Start" edge

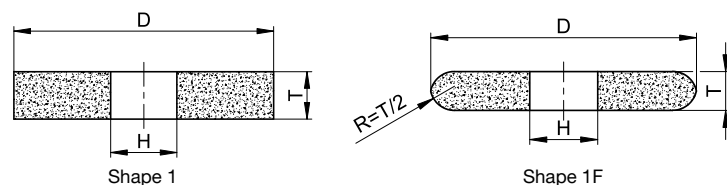
Grinding tools for automatic saw

For circular saws, stellite band and gang saws



Specifi- cation	Alu- minium	Non and low-alloyed steels		High-alloyed steels		HSS	INOX	Industrial ceramics	Cast iron	Guss	Dry grinding	Wet grinding
		Unhardened	Hardened	Unhardened	Hardened							
SA						●					●	●
A		●	●								●	●
88A, 89A			●			●	●				●	●
455A, 765A						●						●
52A		●									●	●


Recommended stock type



TYROLIT sells a wide assortment of tools tailored to various grinding machines and tooth pitches. They are suitable for dry and wet grinding for HSS, chrome vanadium and stellite saws.

The products are available with different edge profiles; shape 1, 1F, in

diameters ranging from 150 to 350 mm.

	Shape	Type no.	DxTxH	Specification	Vmax m/s
	1	34340601	250x10x32	765A 609 P7 B100	63
		34340604	300x12x40	765A 609 P7 B100	63
		34340599	300x8x32	765A 801 P6 B100	63
		34340602	300x8x32	765A 609 P7 B100	63
		34340594	350x10x127	765A 801 P6 B100	63
		34340596	350x10x127	765A 801 P6 B100	63
		34340598	350x10x127	765A 801 P6 B100	63
		34340603	350x10x127	765A 801 P6 B100	63
		34340597	350x10x32	765A 609 P6 B100	63
		34340600	350x13x127	765A 801 P6 B100	63
	1F	34340579	200x10x32	765A 609 P7 B100	63
		34340593	300x10x32	765A 609 P7 B100	63

● Extremely suitable


● Limited suitability



QUICK-CHANGE DISC set
Universally useable



THE QUICK CHANGE set includes SCM discs as well as coarse cleaning discs and discs with the following specification; ZA-P48, ZA-P93 and A-P01. Furthermore the kit also contains the mountings required and acts as a valuable demo box for the assortment.

	Shape	Type no.	Dimension	Mounting	Comments	PU
		34064598	50 & 75	R	DEMOBOX	1




Unitised compact wheel set
Universal use



TYROLIT's compact wheel range provides you with an ideal tool for the machining of surfaces without changing the surface geometry as well as the removal of rust and dirt. Compact wheels consist of multilayer unitised fleece and they are available in coarse to fine specifications depending on the number of layers.

The set includes compact discs for an angle grinder as well as QUICK CHANGE DISCS for a mini-angle grinder, for a straight grinder as well as a floorstand grinder, and it also includes all of the accessories and adaptors that you will need.

	Type no.	Dimension	Specification	Comments	VE
	34270968	50-150	UW + CW	DEMOBOX	1



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