



CERABOND SYSTEM

A new level of performance

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.

Headquartered in Schwaz (Austria), the family-owned business combines the strengths of being a part of the dynamic Swarovski Group with a century's worth of individual corporate and technological experience.



TYROLIT headquarters in Schwaz (Austria)

Facts & Figures



80,000+
products



29
production sites



4,400+
employees worldwide



36
sales locations



500+
worldwide patents

Sales companies in Argentina, Australia, Austria, Belgium, Brazil, Canada, China, Czechia, Denmark, Estonia, Finland, France, Germany, Hungary, India, Indonesia, Italy, the Netherlands, Norway, Poland, Portugal, Russia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, the UAE, the UK and the USA. Distributors in 65 other countries.

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Piktograms



Angle grinder



Belt grinder



Steel



Stainless Steel

Reach your goal faster with Cerabond products from TYROLIT

Our self-sharpening ceramic abrasive is among the best that the technology currently has to offer. However, the best grain in the world is only of limited use if the quality of the bond is not as high.

This is why TYROLIT developed the Cerabond system! Using this technology, we have succeeded in achieving an optimal combination of ceramic grain and bond structure. Thus it is possible to keep the abrasiveness and the lifetime of the cut-off wheel at the highest level. The Cerabond system prevents premature break-out of the grain and thus guarantees the full grinding power of the individual grains.

Shorter work processes

Working times are substantially reduced through improved abrasiveness.

Longer lifetime

The unique bond system prevents the premature break-out of the grain and leads to a long product lifetime.

Enhanced abrasiveness

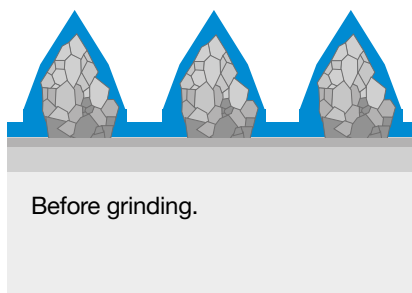
The self-sharpening ceramic grain in combination with our Cerabond bonding system offers maximum stock removal on the workpiece.

Stock removal rate

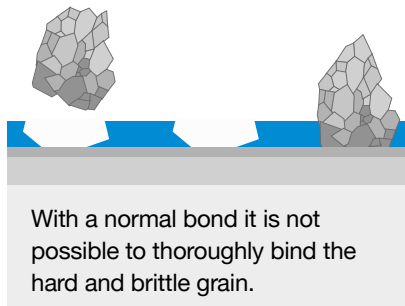
Discs at STANDARD level with good performance

Discs at PREMIUM level with very good performance

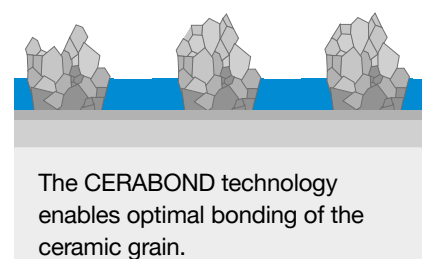
CERABOND SYSTEM



Before grinding.



With a normal bond it is not possible to thoroughly bind the hard and brittle grain.



The CERABOND technology enables optimal bonding of the ceramic grain.



CeraBond
TECHNOLOGY



CERABOND cut-off wheels

for steel and stainless steel

- + Working times are substantially reduced through improved abrasiveness.
- + A special structural composition offers maximum system performance.



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

Application:

- + For machining different steel and stainless steel grades
- + For cutting very hard, challenging workpieces and solid materials

We recommend:

- + 1.0 to 1.9 mm for fastest cutting and minimum burr formation
- + 2.0 to 3.0 mm for long lifetime and maximum stability



CERABOND cut-off wheels

for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU	
		41	34241344	115x1,0x22,23	CA60Q-BFKA	15
			34256272	115x1,3x22,23	CA60Q-BFKA	15
			34256157	115x1,6x22,23	CA46Q-BFKA	15
			34241345	125x1,0x22,23	CA60Q-BFKA	15
			34256273	125x1,3x22,23	CA60Q-BFKA	15
			34256266	125x1,6x22,23	CA46Q-BFKA	15
			34256281	125x2,0x22,23	CA30Q-BFKA	15
			34256274	150x1,3x22,23	CA60Q-BFKA	15
			34256268	150x1,6x22,23	CA46Q-BFKA	15
			34256275	178x1,6x22,23	CA46Q-BFKA	15
			34256276	230x2,0x22,23	CA30Q-BFKA	15
		42	34256270	125x1,6x22,23	CA46Q-BFKA	15
			34256271	150x1,6x22,23	CA46Q-BFKA	15



CERABOND X rough grinding wheels

for steel and stainless steel

+ Fastest grinding thanks to the structure of the ceramic grain used

+ Consistent abrasiveness thanks to the combination of the new bond system and ceramic grain



+ Maximum lifetime and therefore fewer wheel changes for the operator

Application:

+ Ideal for grinding hard steel and stainless steel surfaces, for example edge grinding, surface grinding or removing welding seams

We recommend:

+ 4 mm thickness for peripheral grinding
+ 7 mm thickness for rough grinding



CERABOND X rough grinding wheels

for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU
		34401827	115x4,0x22,23	CA24Q-BFP	5
		34401830	115x7,0x22,23	CA24Q-BFP	5
		34401841	125x4,0x22,23	CA24Q-BFP	5
		34387126	125x7,0x22,23	CA24Q-BFP	5
		34401843	150x4,0x22,23	CA24Q-BFP	5
		34401847	150x7,0x22,23	CA24Q-BFP	5
		34401849	178x4,0x22,23	CA24Q-BFP	5
		34401850	178x7,0x22,23	CA24Q-BFP	5
		34401852	230x4,0x22,23	CA24Q-BFP	5
		34387127	230x7,0x22,23	CA24Q-BFP	5



CERABOND X flap discs

for steel and stainless steel

+ Thanks to its ceramic grit and unique bond system, it offers a 30% higher stock removal rate compared to its predecessors.

+ Unique bond system prevents premature grain break-out and permits maximum lifetime



+ Trimmable core in the 28N shape means that the entire disc can be used

Application:

- + For demanding grinding applications on different steel and stainless steel grades
- + Best suited for surface grinding, edge grinding and removing welding seams.

We recommend:

- + Grit size 40/60 for high stock removal
- + Grit size 80 for fine work
- + Best results when used on powerful angle grinders



CERABOND X flap discs

for steel and stainless steel



	Shape	Type no.	Dimension	Specification	PU	
		27A	34576446	100x16	CA40-Q	10
		34576448	100x16	CA60-Q	10	
		34576449	100x16	CA80-Q	10	
		34576529	115x22,23	CA40-Q	10	
		34576530	115x22,23	CA60-Q	10	
		34576551	115x22,23	CA80-Q	10	
		34577061	125x22,23	CA40-Q	10	
		34577063	125x22,23	CA60-Q	10	
		34577064	125x22,23	CA80-Q	10	



CERABOND X flap discs for steel and stainless steel



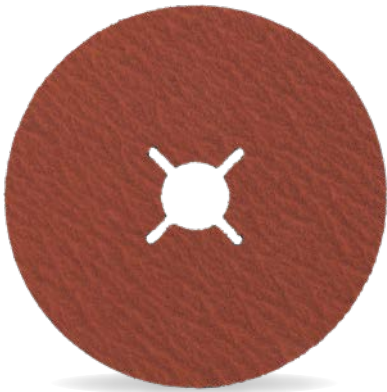
	Shape	Type no.	Dimension	Specification	PU	
		27A	34577069	150x22,23	CA40-Q	10
			34577070	150x22,23	CA60-Q	10
			34577071	150x22,23	CA80-Q	10
			34577077	178x22,23	CA40-Q	10
			34577078	178x22,23	CA60-Q	10
			34577079	178x22,23	CA80-Q	10
		28A	34576526	100x16	CA40-Q	10
			34576527	100x16	CA60-Q	10
			34576528	100x16	CA80-Q	10
			34576552	115x22,23	CA40-Q	10
			34576553	115x22,23	CA60-Q	10
			34576554	115x22,23	CA80-Q	10
			34577065	125x22,23	CA40-Q	10
			34577066	125x22,23	CA60-Q	10
			34577067	125x22,23	CA80-Q	10
			34577073	150x22,23	CA40-Q	10
			34577074	150x22,23	CA60-Q	10
			34577075	150x22,23	CA80-Q	10
		34577080	178x22,23	CA40-Q	10	
		34577081	178x22,23	CA60-Q	10	
		34577082	178x22,23	CA80-Q	10	
		34577423	115x22,23	CA40-Q	10	
		28N	34577424	115x22,23	CA60-Q	10
			34577425	115x22,23	CA80-Q	10
			34577427	125x22,23	CA40-Q	10
			34577428	125x22,23	CA60-Q	10
			34577429	125x22,23	CA80-Q	10
			34577430	150x22,23	CA40-Q	10
			34577431	150x22,23	CA60-Q	10
			34577432	150x22,23	CA80-Q	10
	34577433	178x22,23	CA40-Q	10		
	34577434	178x22,23	CA60-Q	10		
	34577435	178x22,23	CA80-Q	10		



CERABOND X fibre discs

for steel and stainless steel

+ Extremely fast stock removal thanks to a unique grain structure



+ Cooling layer for maximum lifetime

+ Consistent abrasiveness

Application:

+ For coarse grinding work as well as for removing rust and burrs from hard steel and stainless steel surfaces

We recommend:

+ Grit size 24/36/40/60 for maximum stock removal
+ Grit size 80/120 for fine grinding



CERABOND X fibre discs for steel and stainless steel



Shape		Type no.	Dimension	Korn	Max. Drehzahl	PU	
		DISC V	34486168	115x22mm	24	13300	25
			34486170	115x22mm	36	13300	25
			34486193	115x22mm	40	13300	25
			34486194	115x22mm	60	13300	25
			34486195	115x22mm	80	13300	25
			34486196	115x22mm	120	13300	25
			34486197	125x22mm	24	12300	25
			34486199	125x22mm	36	12300	25
			34486201	125x22mm	40	12300	25
			34486202	125x22mm	60	12300	25
			34486204	125x22mm	80	12300	25
			34486205	125x22mm	120	12300	25
			34486206	180x22mm	24	8600	25



CERABOND X fibre discs for steel and stainless steel



	Shape		Type no.	Dimension	Grain	Max. RPM	PU
		DISC V	34486207	180x22mm	36	8600	25
			34486209	180x22mm	40	8600	25
			34486211	180x22mm	60	8600	25
			34486214	180x22mm	80	8600	25
			34486217	180x22mm	120	8600	25
		DISC V	34480494	115x22mm	24	13300	50
			34480447	115x22mm	36	13300	50
			34480448	115x22mm	40	13300	50
			34480449	115x22mm	60	13300	50
			34480450	115x22mm	80	13300	50
			34480471	115x22mm	120	13300	50
			34480472	125x22mm	24	12300	50
			34480473	125x22mm	36	12300	50
			34480474	125x22mm	40	12300	50
			34480475	125x22mm	60	12300	50
			34480476	125x22mm	80	12300	50
			34480477	125x22mm	120	12300	50
			34480478	180x22mm	24	8600	50
			34480479	180x22mm	36	8600	50
			34480480	180x22mm	40	8600	50
			34480491	180x22mm	60	8600	50
			34480492	180x22mm	80	8600	50
			34480493	180x22mm	120	8600	50



CERABOND X belts

for steel and stainless steel

- + Highest possible stock removal thanks to the use of ceramic grain

- + Coolant layer for very cool grinding



- + Self-sharpening grain for constantly good surface result combined with reduced operator workload

Application:

- + For grinding regular and hard steel and stainless steel using belt grinders

We recommend:

- + Grit size 24/36/40 for maximum stock removal
- + Grit size 60/80/120 for a perfect surface finish



CERABOND X belts

for steel and stainless steel



	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

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