



## **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



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

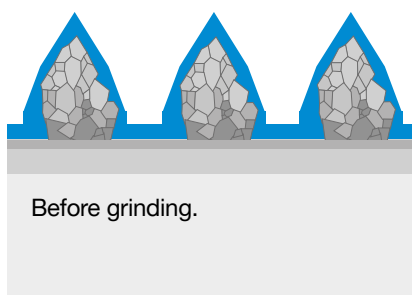
The self-sharpening ceramic grain in combination with our Cerabond bonding system offers maximum stock removal on the workpiece.

## Stock removal rate

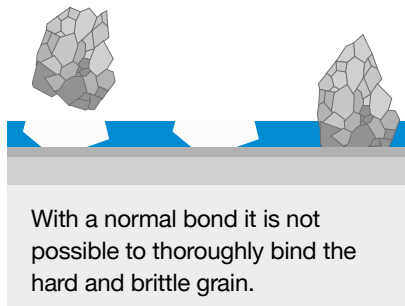
Discs at STANDARD level with good performance

Discs at PREMIUM level with very good performance

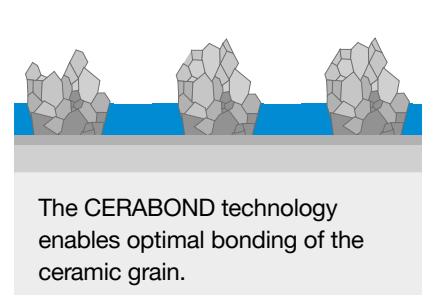
### CERABOND SYSTEM



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

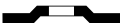
### We recommend:

- + 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 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|---------------|---------------|----|
|  |  | 27       |               |               |    |
|                                                                                     |                                                                                     | 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        |           |               |    |
|  | 28N                                                                               | 34577423 | 115x22,23 | CA40-Q    | 10            |    |
|                                                                                     |                                                                                   | 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        |           |               |    |

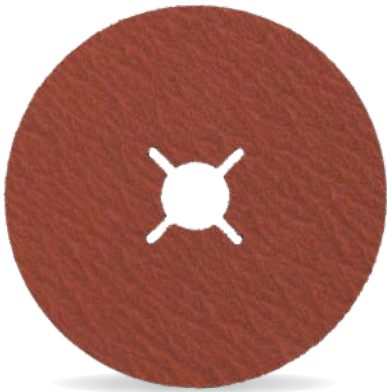




# CERABOND X fibre discs

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   | Joint type | 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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