

## Complete range

With self-sharpening ceramic grain

**CERAMICON**

**RHODIUS**

Simplify your work.



# CERAMICON – Facts

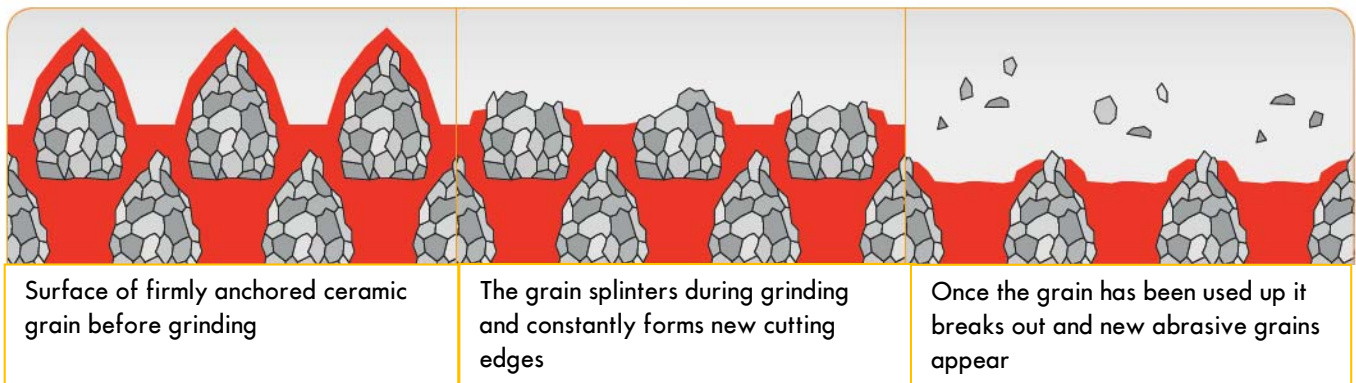
## The sharp difference: ceramic grain

The products in our CERAMICON high-performance line are made from top-quality ceramic grain. Ceramic grain is characterized by the fact that it is hard, brittle, sharp-edged and overall very aggressive. And stays this way: the ceramic grain is anchored so firmly and precisely in the bond that it splinters continuously during grinding on account of its brittleness. This produces minute fractures in the abrasive grit that constantly form new and very sharp cutting edges. The bond ensures that the ceramic grain only breaks out completely when it is used up. New grains then appear.

This means that RHODIUS products with ceramic grain sharpen themselves during grinding. And thus cut through the metal being processed like little knives.

**CERAMICON**

High-performance tools with ceramic grain. For industrial applications with a very large amount of grinding.



## Sector/ Target groups:

- Plant construction
- Tank construction
- Construction
- Ship Building

## A wide assortment for a variety of applications

The CERAMICON product line comprises

- Extra-thin cutting discs
- Grinding discs
- Flap discs
- Abrasive belts
- Non-woven cleaning tools
- Quick Change Discs
- Firbe discs

## Your advantages at a glance:

- Higher cutting efficiency
- Longer lifetime
- Shorter working time
- Excellent price-performance ratio

# CERAMICON – Extra-thin cutting discs / Stainless steel, steel



## XT100 / XT200

Extra-thin cutting disc with ceramic abrasive grit. For an aggressive cutting performance with a long lifetime. This cuts out tool changes and increases productivity

Attractive packaging unit for optimized POS presentation.

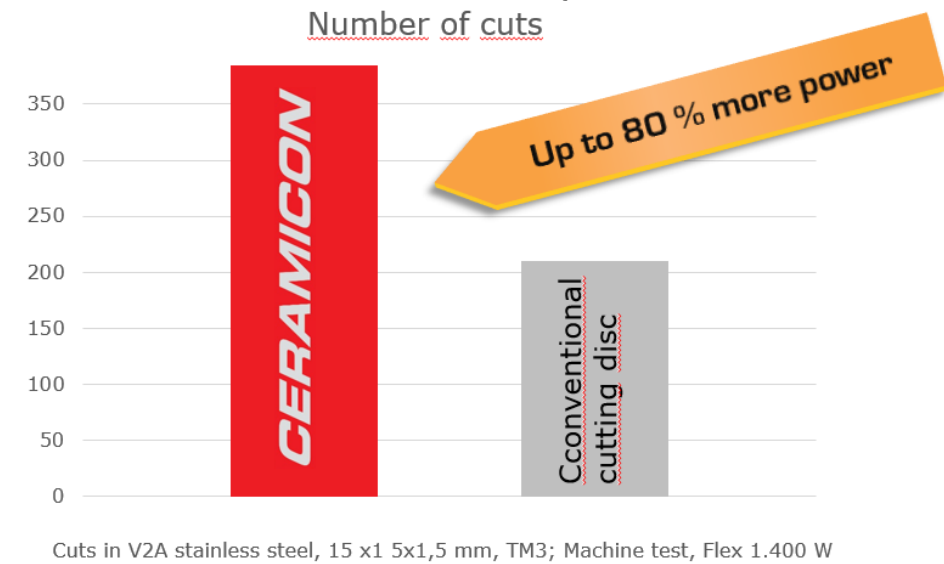
XT100 A36U0BF13679

	Form 41	PK01
115 x 1,0 x 22,23	25 210220	
115 x 1,5 x 22,23	25 210221	
125 x 1,0 x 22,23	25 210222	
125 x 1,5 x 22,23	25 210223	
150 x 1,5 x 22,23	25 210224	
180 x 1,5 x 22,23	25 210225	
230 x 1,9 x 22,23	25 210226	

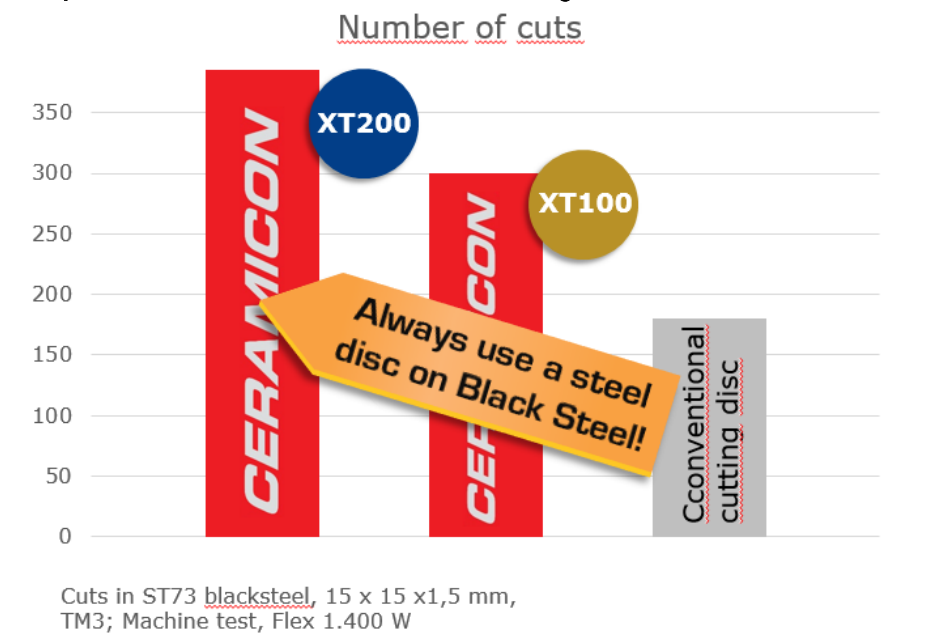
XT200 78A36U0BF13682

	Form 41	PK01
115 x 1,0 x 22,23	25 210227	
115 x 1,5 x 22,23	25 210228	
125 x 1,0 x 22,23	25 210229	
125 x 1,5 x 22,23	25 210230	
150 x 1,5 x 22,23	25 210231	
180 x 1,5 x 22,23	25 210232	
230 x 1,9 x 22,23	25 210233	

## Comparison XT100 vs conventional cutting disc:



## Comparison XT200 vs conventional cutting disc:



# CERAMICON – Grinding disc / stainless steel



Very biting grinding disc with extremely high stock removal



Suitable for surface grinding as well as for edge grinding

**Material:**  
Stainless steel, steel, cast-iron

## RS480

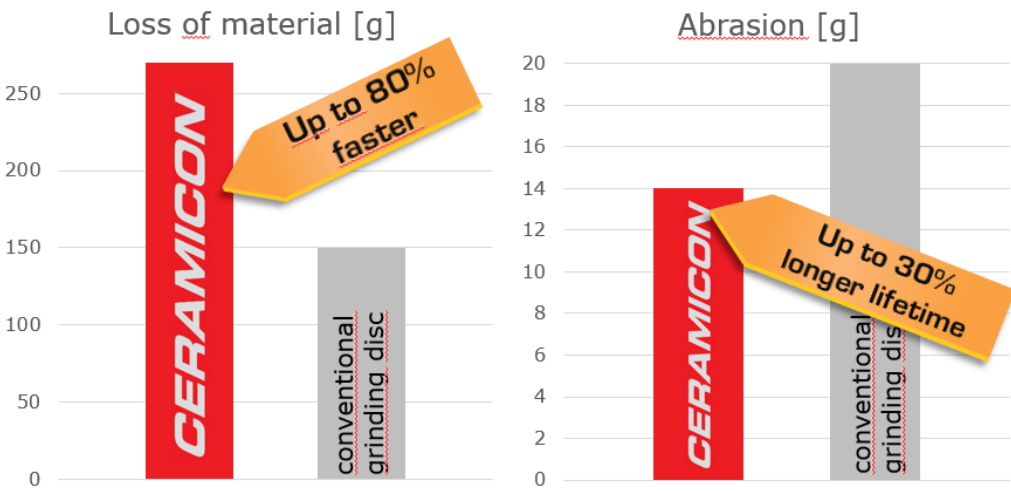
Efficient grinding disc with ceramic abrasive grit. Thanks to the high bond strength, the RS480 grinds with maximum stock removal and long lifetime. This drastically cuts working time and ensures high productivity and efficiency

RS480 78A24A10BF13778

Form 27		PK04
		
115 x 7,0 x 22,23	25 210238	
125 x 7,0 x 22,23	25 210239	
150 x 7,0 x 22,23	10 210234	
180 x 7,0 x 22,23	10 210240	
230 x 7,0 x 22,23	10 210241	



## Comparison:



Machine test 15° ST27 ring 220 x 13 mm (flat angle)

# CERAMICON – Flap discs / stainless steel



Very biting flap disc with extremely high stock removal

Sturdy edge grinding

## JUMBO SPEED

Extra long flaps allow fast and aggressive grinding through large supporting surface. Ceramic grains are especially advantageous when treating hardened and tempered steel, tinter areas and titanium. They provide a high stability when treating edges.

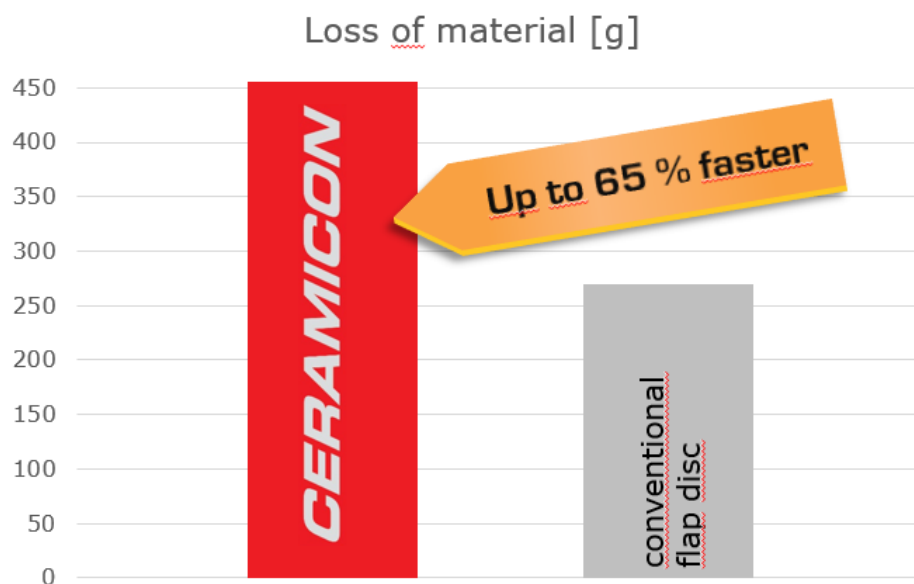
### JUMBO SPEED

115 x 22,23	40	10	208743	
115 x 22,23	60	10	208744	
115 x 22,23	80	10	208745	
125 x 22,23	40	10	208746	
125 x 22,23	60	10	208747	
125 x 22,23	80	10	208748	

PK05

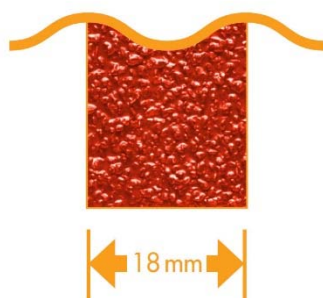


## Comparison:

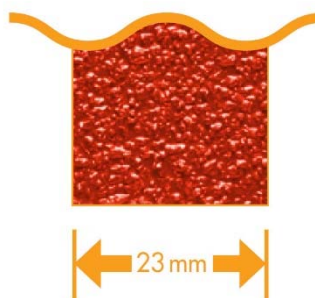


Machine test 15' V2A ring 220 x 13 mm (flat angle)

Conventional flap\*:



JUMBO flap\*:



\* indications valid for cutting discs with a diameter of 125 mm



# CERAMICON – Flap disc for fillet weld treatment / stainless steel



Ideal for fillet weld grinding

Fine surfaces (until 80 grain)

For precise working

## LSK FK

In combination with the 10 mm long flap projection and the stable fabric, these flap wheels offer an above average long lifetime for the effective processing of fillet welds. The high-performance abrasive grit makes for a high cutting efficiency.

Requires powerful machines from 1,000 W (Ø 115 mm), from 1,200 W (Ø 125 mm)

### LSK FK

					PK05
115 x 22,23	40	10	210249		
115 x 22,23	60	10	210251		
115 x 22,23	80	10	210276		
125 x 22,23	40	10	210182		
125 x 22,23	60	10	210183		
125 x 22,23	80	10	210184		



**Overhang:**  
10 mm

The overhang of 10 mm, in combination with the highly stable ceramic band optimum machining of fillet welds.

Together with the stable strip back the outer adhesive line provides high stability - even without reinforcing carrier.



Due to the high inherent strength of the abrasive, the LSK FK can be optimally adapted by profiling the workpiece.



# CERAMICON – Fibre discs / stainless steel



Very biting fibre disc with extremely high cutting performance at the same time long lifetime

## KFK

Ceramic grains are especially advantageous when treating hardened and tempered steel, tinner areas and titanium

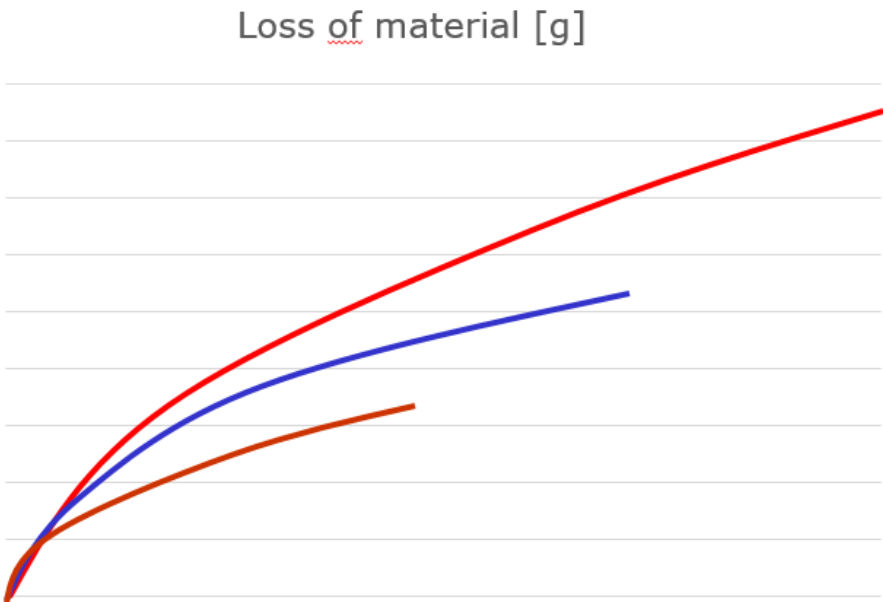
KFK

100 x 16,00	24	25	305503	
100 x 16,00	36	25	305504	
100 x 16,00	40	25	303321	
100 x 16,00	60	25	304293	
100 x 16,00	80	25	303322	
115 x 22,23	24	25	303325	
115 x 22,23	36	25	304291	
115 x 22,23	40	25	305505	
115 x 22,23	60	25	303324	
115 x 22,23	80	25	304294	
125 x 22,23	24	25	303329	
125 x 22,23	36	25	304292	
125 x 22,23	40	25	305506	
125 x 22,23	60	25	303327	
125 x 22,23	80	25	303328	

150 x 22,23	24	25	305507	
150 x 22,23	36	25	305508	
150 x 22,23	40	25	305509	
150 x 22,23	60	25	305510	
150 x 22,23	80	25	305511	
180 x 22,23	24	25	305512	
180 x 22,23	36	25	305513	
180 x 22,23	40	25	305514	
180 x 22,23	60	25	305515	
180 x 22,23	80	25	305516	



## Comparison:



Machine test 15° V2A ring 220 x 13 mm (flat angle)

# CERAMICON – Abrasive belts / stainless steel



Very high cutting performance and lifetime for industrial applications on stationary belt grinders

## ESB CX

A high cutting efficiency and long lifetime thanks to special high-performance abrasives

### ESB CX

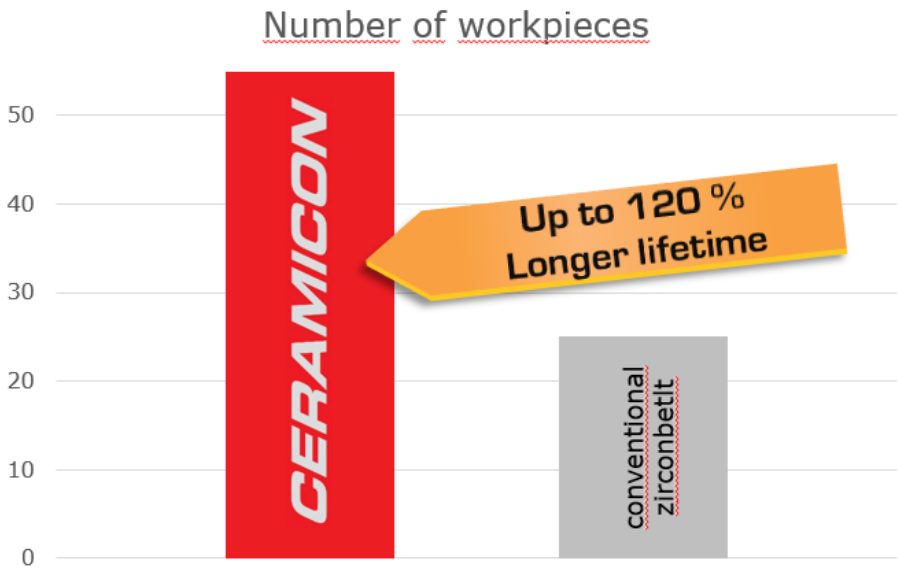
75 x 2000	40	10	305966	
75 x 2000	60	10	305967	
75 x 2000	80	10	305968	

150 x 2000	40	10	305969
150 x 2000	60	10	305970
150 x 2000	80	10	305971

PK06



## Comparison:



Hand test comparison of level numbers in the grinding of axles for commercial vehicles; 75 x 2000 # 36



# CERAMICON – Non-woven cleaning tools / steel



## SVS HD / SVS QUICK HD

Non-woven cleaning tool: The special grains used permit a high cleaning effect and extremely high lifetime

For strong cleaning performance and extremely long lifetime

### SVS HD

	PK07
115 x 22,23	10 303872
125 x 22,23	10 303873

### SVS QUICK HD

	PK07
D51	23.000 extra coarse 10 305403
D76	18.000 extra coarse 10 305404

Compared with conventional washers SVS:

**Harder**

The high-quality grain and bond the nylon structure has been optimally matched

**Aggressive**

In our own tests the new SVS HD has the same achieved cleaning performance 30% faster.

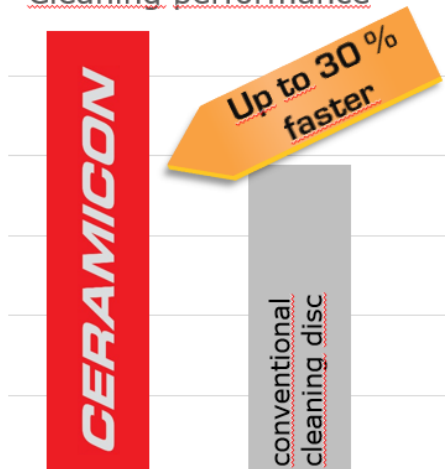
**Fixed**

The most stable structure is also suitable for light-duty use on the edge.

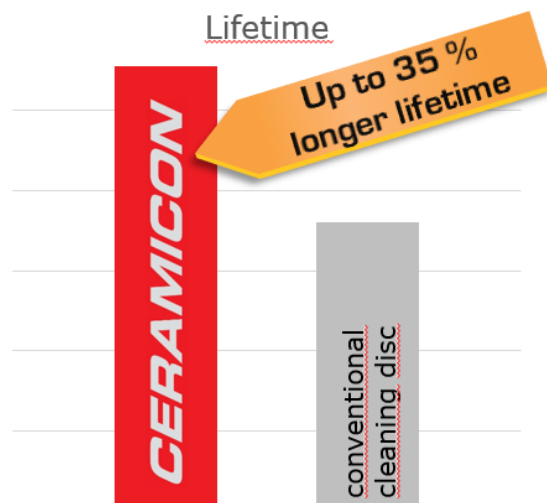


## Comparison:

### Cleaning performance



### Lifetime



Hand grinding, 10 min on rusted blacksteel, with heavy use. Metabo 1,400W