



# NEW REGISTON PRODUCTS CATALOG

MADE IN JAPAN

## Grinding Disc

*New*

# BLUE CERAC

**New Phase of  
Stock Removal  
and Durability**

Feel the  
obvious benefit!



**Quick  
attachment  
and removal**

Triangular shaped  
ceramic grains  
with high grinding force.

Flange is not in the way  
from grinding because of  
Depressed Center.

NRS original  
combined pad  
with "power blade".

**NRS NEW REGISTON**

**High stock removal and high speed. Long tool life  
with one disc. The best choice of grinding disc!**



before grinding



after grinding



grinding

### Customer Feedback

Good grinding performance and durability! The stock removal is higher than grinding wheel.

Material: Steel  
Product: Heavy Machinery  
Operation: Remove bead



before grinding



after grinding

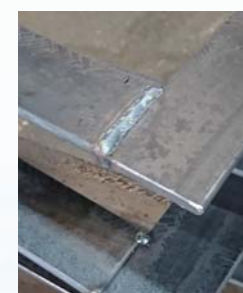


grinding

### Customer Feedback

The durability is better than competitive ceramic products, and I like it can be brought into close contact with workpiece.

Material: Steel, Stainless  
Product: Fitting for vehicle  
Operation: Beveling



before grinding



after grinding



grinding

### Customer Feedback

The edge of disc bends and the pad pushes workpiece. The last push works well. I like this strong pad.

Material: Steel  
Product: Construction hardware  
Operation: Remove bead

### Specifications

| Product name | Product code | Size<br>OD(mm) x screw size | Grit | Package<br>(pcs x Inner box) | Max rpm   |
|--------------|--------------|-----------------------------|------|------------------------------|-----------|
| Blue Cerac   | BC100-36     | 100 x M10                   | #36  | 50pcs<br>(10pcs x 5)         | 15,000rpm |

### Recommended operation

Grind, Remove mill scale, Surface grind, Deburr, Bevel, Remove burnt, Polish, Remove paint

### Recommended workpiece

Steel, Stainless, Aluminum, Cast iron

### Precautions

- 1.The pad and disc are integrated, do not disassemble and use.
- 2.Use at an angle of 15 degrees or less.
- 3.Prevent side of disc from contact with corner or protrusions of weld bead.



Aluminum  
damp-proof  
packaging

The sister products  
2 inch / 3 inch  
"Mini Blue Cerac"  
are available.



**mini BLUE CERAC**



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**NEW REGISTON**

2-1-1 AYUMINO IZUMI-CITY OSAKA 594-1157 JAPAN  
HOMEPAGE <https://www.newregiston.co.jp/en/>

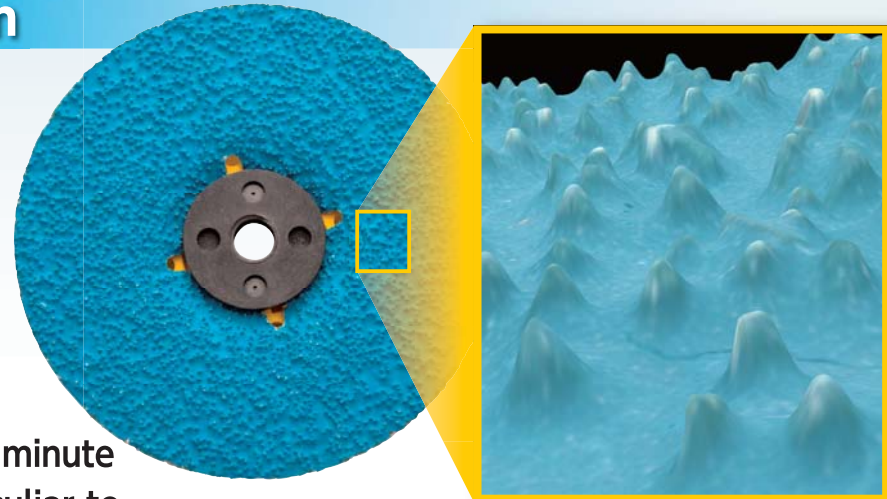
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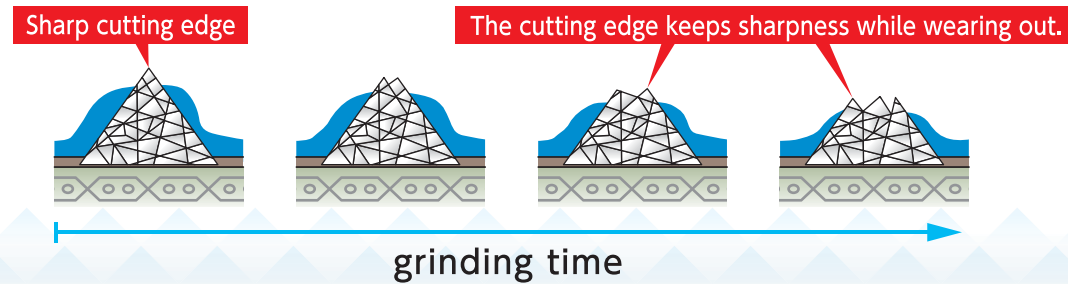
# Features of Depressd Center Disc "Blue Cerac"

## 1 Ceramic Grain

- ① Triangular shaped ceramic grains with high grinding force.
- ② Maintain high stock removal with minute self-crushability peculiar to ceramic grain.



Enlarged picture of the surface of ceramic grain



## 2 Depressed Center

Flange is not in the way from grinding because of Depressed Center.

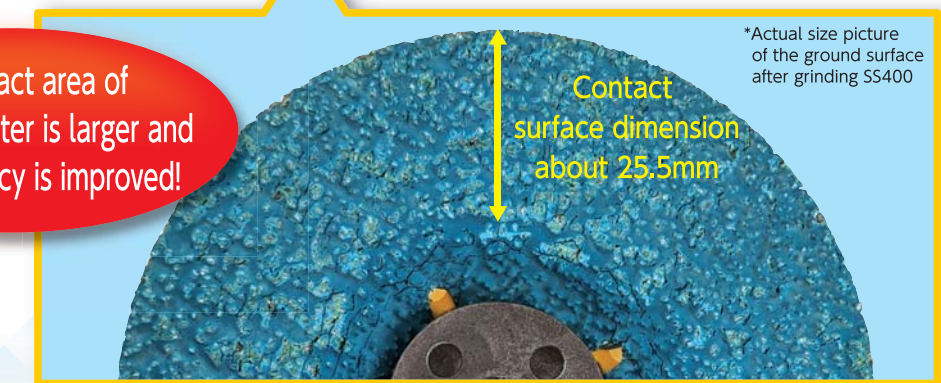


Blue Cerac Depressed center type

Straight type



The contact area of depressed center is larger and work efficiency is improved!



## 3 Combined Pad

- ① Adjusting grinding pressure by NRS original pad with "power blade" prevents grain dulling and maintains high grinding force.
- ② Cushioned pad helps disc contacting with workpiece softly and less vibration.
- ③ Grinding disc, pad and flange are integrated (One-touch Type), prevent disc run-out and deformation.

Good usability without surface run-out



Quick attachment and removal without tools



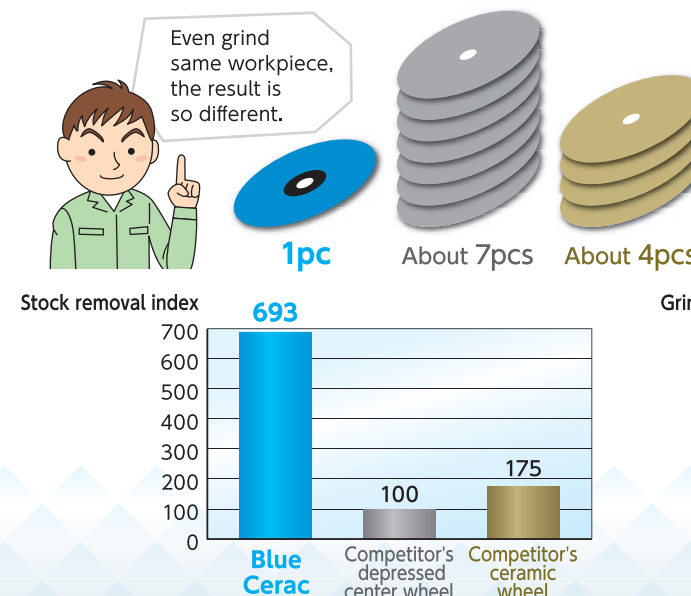
### Vibration level (m/s<sup>2</sup>)

|                                     |           |
|-------------------------------------|-----------|
| Blue Cerac                          | 8.3~9.2   |
| Competitor's depressed center wheel | 15.8~17.0 |
| Competitor's ceramic wheel          | 9.3~13.4  |

## 4 New Phase of Stock Removal and Durability

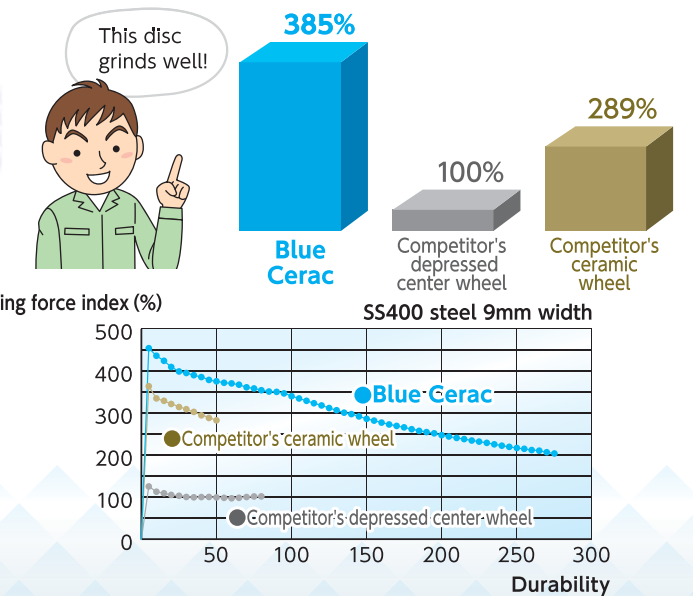
### Total stock removal index

The total stock removal of "Blue Cerac depressed center type" is same as that of 7 pcs of normal depressed center wheel!!



### Grinding force index

The grinding force of "Blue Cerac depressed center type" is as 4 times as that of normal depressed center wheel!!



Stock removal index when SS400 is grinded until 100φ wheels are used up. (The performance of competitor's depressed center wheel is defined as 100%.)  
\*Our experimental data.

Grinding force index when SS400 is grinded until 100φ wheels are used up. (The performance of competitor's depressed center wheel is defined as 100%.)  
\*Our experimental data.