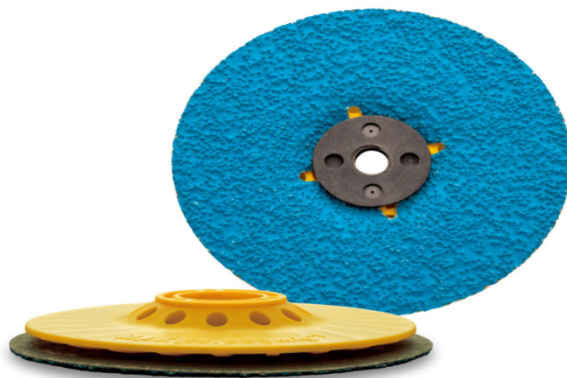




NEW REGISTON BLUE CERAC CATALOG with product examples



Contents

Blue Cerac product brochure	P3
Blue Cerac separate type product brochure	P7
Series list for Blue Cerac	P9
Product examples for Blue Cerac	P11
1. Deburring and rough cutting of architectural hardware (rough grinding)	P11
2. Removing CO2 weld bead from general steel in plate work manufacturing industry	P11
3. Plating removal before welding of the outer diameter of the steel pipes, and steel plates (Processing process of plated products)	P12

MADE IN JAPAN



NEW REGISTON PRODUCTS CATALOG

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.

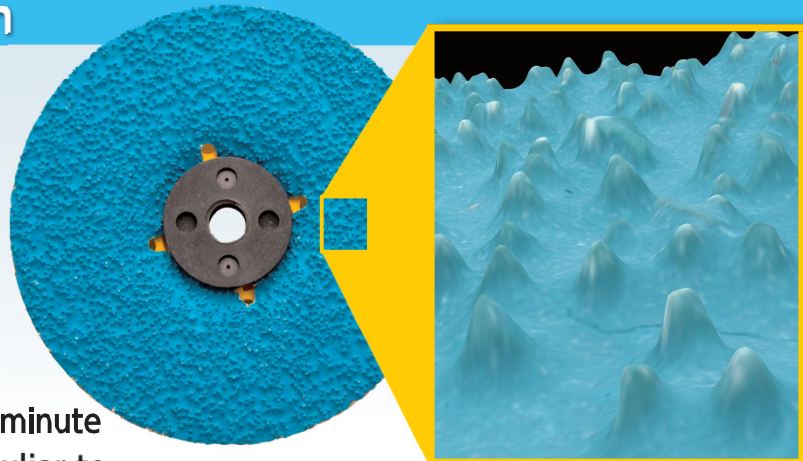
Flange is not in the way
from grinding because of
Depressed Center.

NRS original
combined pad
with "power blade".

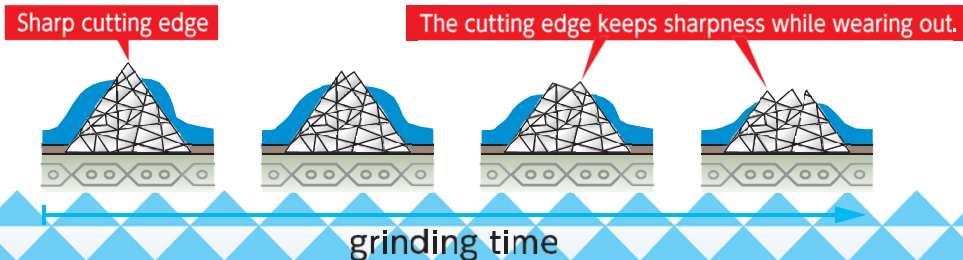
Features of Depressed Center Disc "Blue Cerac"

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



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/s²)

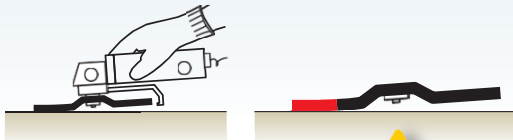
Blue Cerac	8.3~9.2
Competitor's depressed center wheel	15.8~17.0
Competitor's ceramic wheel	9.3~13.4

2 Depressed Center

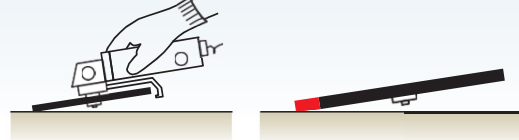
Flange is not in the way from grinding because of Depressed Center.



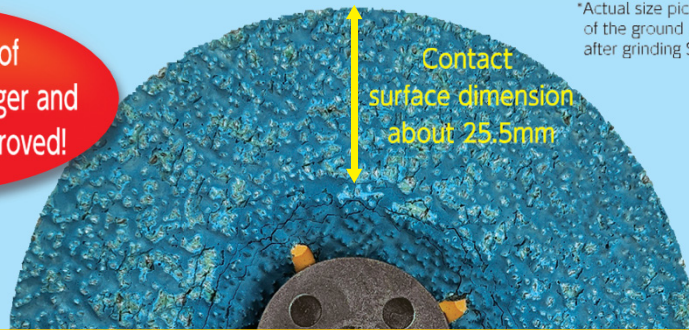
Blue Cerac Depressed center type



Straight type



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



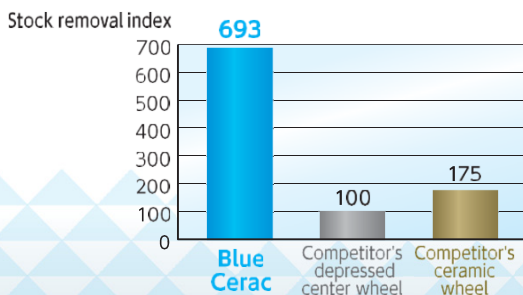
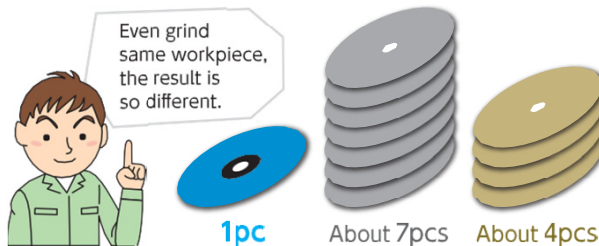
Contact surface dimension about 25.5mm

*Actual size picture of the ground surface after grinding SS400

4 New Phase of Stock Removal and Durability

Total stock removal index

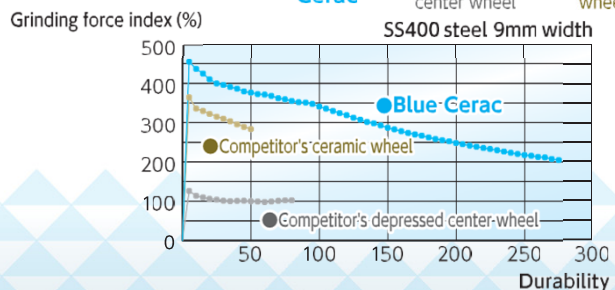
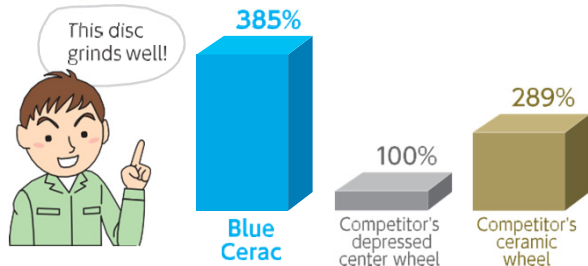
The total stock removal of "Blue Cerac depressed center type" is same as that of 7 pcs of normal depressed center wheel!!



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

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



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.

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.

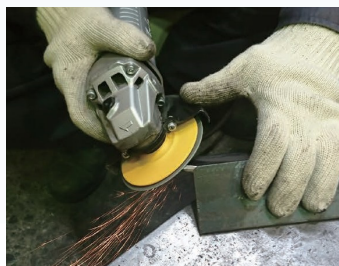
Material: Steel
Product: Heavy Machinery
Operation: Remove bead



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 OD(mm) x screw size	Grit	Package (pcs x Inner box)	Max rpm
Blue Cerac	BC100-36	100 x M10	#36	50pcs (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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Issued on August,2021 No.201224-B53-1

NEW REGISTON PRODUCTS CATALOG

MADE IN JAPAN

Grinding Disc

BLUE CERAC

Depressed

Center Wheel

**New Phase of
Stock Removal
and Durability**

Separate type for
hole diameter 15mm

**Economical with
disk replacement!**

Feel the
obvious benefit!

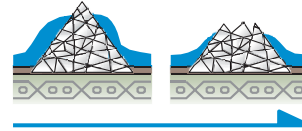


- Triangular shaped ceramic grains with high grinding force.
- The large contact surface resulting from the depressed center shape increases work efficiency.
- Economical with disk replacement! An outstanding cost-effective grinding disk.
- Can be used with both electric and pneumatic grinders.

The definitive grinding disc that delivers high grinding force with ceramic abrasive grains! Outstanding cost-effectiveness with easy disc replacement!

1 Ceramic Grain

Triangular shaped ceramic grains with high grinding force



The cutting edge keeps sharpness while wearing out.

Maintain high stock removal with minute crushing ability peculiar to ceramic grain.

2 Depressed Center

Can be used with both electric and pneumatic grinders.



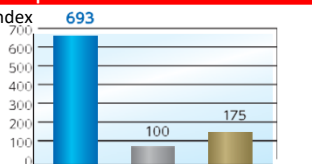
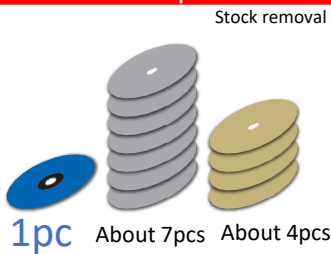
The large contact surface resulting from the depressed center shape increases work efficiency.



3 New Phase of Stock Removal and Durability

Total stock removal index

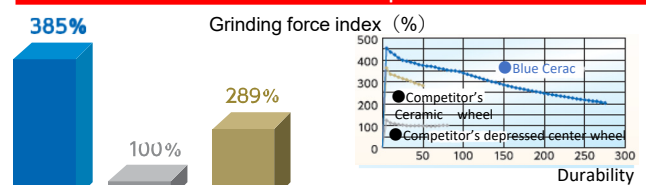
The total stock removal of "Blue Cerac depressed center type" is same as that of 7 pcs of normal depressed center wheel!!



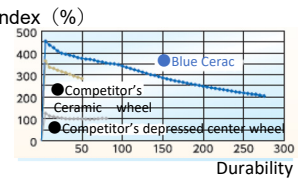
Stock removal index when SS400 is grinded until 100φ wheels are used up. The performance of competitor's depressed center wheel is defined as 100. *Our experimental data.

Grinding force index

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



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.



The sister product with quick attachment and detachment is available (screw diameter M10).

Specifications

Product name	Product code	Size OD(mm)xHole size(mm)	Grit	Packing Outer Box (pcs x inner box)	Max rpm
Blue Cerac Depressed Center wheel Separate type for hole diameter 15mm	BCR100-36	100 x 15	36	50pcs (10pcs x 5)	15,000rpm



- ⚠ Removal Polishing
- Using the wheel without a pad may cause it to come off, deform, or wear out
- Always use backup pads. Prevent side of wheel from contact with corner or projections of weld bead.
- Use at an angle of 15 degrees or less.



Aluminum damp-proof packaging

[Accessory] One dedicated pad per inner box.

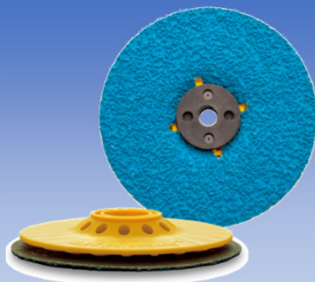


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Series list for Blue Cerac



Blue Cerac BC100-36

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

Item	Contents
Size OD(mm)x screw size	100xM10
Grit	36
Package	50pcs(10pcsx5)
Max Rpm	15,000rpm



Blue Cerac BCR 10016-36

Separate type for hole diameter16mm

The definitive grinding disc that delivers high grinding force with ceramic abrasive grains! Outstanding cost-effectiveness with easy disc replacement!

Item	Contents
Size OD(mm)x hole diameter	100x16mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt



Blue Cerac BCR 100-36

Separate type for hole diameter15mm

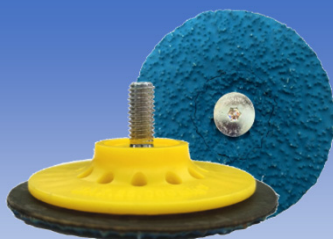
Item	Contents
Size OD(mm)x hole diameter	100x15mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt



Blue Cerac BCR 115x22mm Separate type

The definitive grinding disc that delivers high grinding force with ceramic abrasive grains! Outstanding cost-effectiveness with easy disc replacement!

item	Contents
Size OD(mm)x Hole diameter(mm)	115x22mm
Grit	36

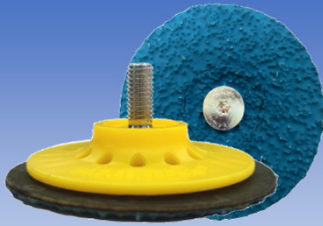


Mini Blue Cerac MBC58-36

New Phase of Stock Removal and Durability

items	contents
Size OD(mm)	58mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	25,000rpm

Series list for Blue Cerac



Mini Blue Cerac MBC75-36

New Phase of Stock Removal and Durability

items	内容
Size OD(mm)	75mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	20,000rpm

Blue Cerac BCR 10016-60

Separate type for hole diameter16mm



Item	Contents
Size OD(mm)x hole diameter	100x16mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt

Blue Cerac BCR 10016-80

Separate type for hole diameter16mm



Item	Contents
Size OD(mm)x hole diameter	100x16mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt

Blue Cerac BCR 100-60

Separate type for hole diameter15mm



Item	Contents
Size OD(mm)x hole diameter	100x15mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt

Blue Cerac BCR 100-80

Separate type for hole diameter15mm



Item	Contents
Size OD(mm)x hole diameter	100x15mm
Grit	36
Package(pcs x inner box)	50pcs(10pcsx5)
Max rpm	15,000rpmt

Product examples

1. Deburring and rough cutting of architectural hardware (rough grinding)



※This photo is for illustrative purposes.

The wheels with grinding force and appropriate flexibility are suitable for deburring and rough grinding of architectural hardware. We recommend Blue Cerac, ceramic abrasive product that combines abrasive power, durability, and flexibility.

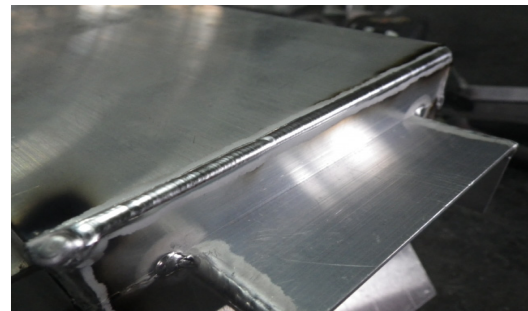
Its high flexibility reduces workload. Available in a single size, O.D. 100 mm, Grit #36. Quick attachment and removal without the need for dedicated tools!

BLUE CERAC 100xM10 Grit 36

✓ Recommended points

Its high flexibility reduces workload

2. Removing CO2 weld bead from general steel in plate work manufacturing industry.



※This photo is for illustrative purposes.

Grinding force and durability are required for removing CO2 weld bead from general steel.

We recommend Blue Cerac, ceramic abrasive product that combines abrasive power, durability, and flexibility.

Its high flexibility reduces workload. Available in a single size, O.D. 100 mm, Grit #36. Quick attachment and removal without the need for dedicated tools!

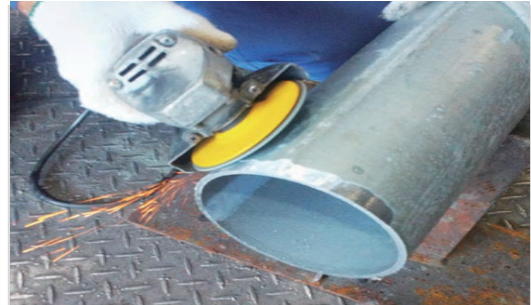
BLUE CERAC 100xM10 Grit 36

✓ Recommended points

Outstanding grinding power, durability and flexibility

Product examples

3.Plating removal before welding of the outer diameter of the steel pipes, and steel plates (Processing process of plated products)



Before use.

Are you having trouble like this?

Clogged wheel

High replacement frequency

Using a easily-wearing wheel to prevent clogging



After use.

Recommended for users in plant piping, prefab piping, and pipe processing !

For users who perform not only plating removal but also other grinding operations.

In addition to plating removal, it can also handle the tasks like bead grinding and surface grinding. Its flexibility allows for reduced workload

BLUE CERAC 100xM10 Grit 36

✓ Recommended points

Its high flexibility reduces workload



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