

# GLOBE<sup>®</sup>

MADE IN ITALY

since  
**1961**

*New!!!*

TYPE 27

**PATENTED**

**CERAMIC-POWER**



**SPECIAL**  
**ULTRA GRINDING**  
**+100%**  
**TOTAL REMOVAL**

**CERAMIC**

- **NEW CERAMIC GRAIN**
- **LONG DURABILITY**
- **DOUBLE REMOVAL**
- **WORKING TIME REDUCTION**
- **ENERGY/LABOUR COST REDUCTION**



**GRINDING**

GLOBE is proud to present **A FURTHER IMPROVEMENT OF THE LINE OF CERAMIC GRINDING WHEELS.** The best quality ceramic grain differs from corundum and alumina zirconia for its powerful removal performance, as well as for its long durability. Another highly appreciated feature is the low workload required by the operator for grinding operations. This results in less effort, making operations more comfortable and increasing productivity. The particularly sharp ceramic grains give high abrasion, reduce friction of harmful rubbing, heat generation and maximize the grinding work with consequent reduction of pitting that otherwise would have to be removed with different products (e.g. flap discs).

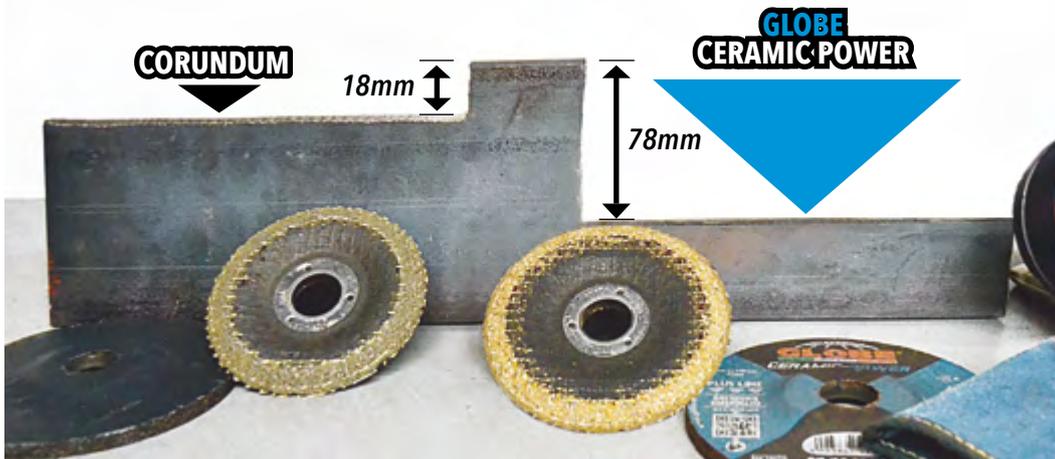
**CERAMIC POWER GUARANTEES 360° SAVINGS IN TERMS OF: TIME, ELECTRICITY, LABOUR AND NUMBER OF DISCS USED.**



Microscope detail of ceramic grain.



◀ Each ceramic grain (smaller and sharper than the corundum type) contains hundreds of thousands of microcrystals which, thanks to a self-sharpening process, double the disc durability and efficiency thus increasing abrasion capacity and precision.



◀ LAB TEST (on 12mm mild steel plate) with a corundum disc and GLOBE CERAMIC POWER. Discs used for the test: 125x6,5mm.

### A GIANT STEP IN THE RANGE OF GRINDING DISCS

SG 24 SBF CER

|               |                 |
|---------------|-----------------|
| 115x6,5x22,23 | Art. Code G0368 |
| 125x6,5x22,23 | Art. Code G0369 |
| 150x7,0x22,23 | Art. Code G0370 |
| 180x7,0x22,23 | Art. Code G0371 |
| 230x7,0x22,23 | Art. Code G0372 |

The new and special **CERAMIC POWER** disc was specifically conceived for the removal of welding seams, heavy grinding, removal of residues, edge grinding, chamfering and grinding of steel (including stainless steel). The special new generation mixture, the special combination of ceramic grains and the regular wear of the disc allow to carry out unparalleled and uniform removals in a very short time with minimum heat development and without burns.

### SHORTER GRINDING TIME AND HIGHER REMOVAL RATE

Increased productivity and efficiency thanks to the special ceramic grain mixture, allowing a very high removal rate (+37,5% compared to corundum wheels). Unique on the market, drastically reduces working times.

### GREAT DURABILITY AND GREATER SAVINGS

The special ceramic mixture conceived by GLOBE gives the disc an unprecedented durability, allowing to use less electricity and discs, with consequent economic and productivity benefits. All this,

together with less waste, fewer stops for changing discs and more logistic advantages, make **CERAMIC POWER** an **environmentally friendly abrasive product**.

### GREATER OPERATOR COMFORT AND MORE ACCURATE WORKINGS

The high removal capacity and short working times require less pressure from the operator and make work less hard, more productive and more economical. In addition, the regular edge wear allows more precise grinding and less stress for the grinder, extending its lifetime.

### ALL THE ADVANTAGES OF GLOBE CERAMIC POWER (GRINDING)

- VERY HIGH REMOVAL CAPACITY
- FASTER AND MORE PRECISE ON ANY MATERIAL
- OPERATOR COMFORT AND EASE OF USE
- LESS VIBRATIONS
- GREATER PRECISION
- ULTRA-FAST GRINDING WITHOUT PITTING
- EXTREMELY LONG DURABILITY
- REDUCED ENERGY AND LABOUR COSTS



GLOBE CERAMIC POWER grinding discs and their packaging (patented) to preserve the discs' quality during storage.



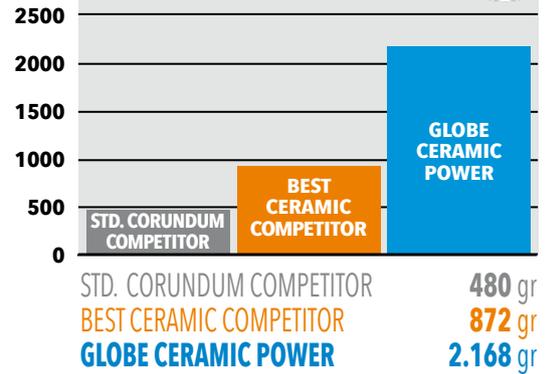
GLOBE CERAMIC POWER maintains a high working precision on every surface.



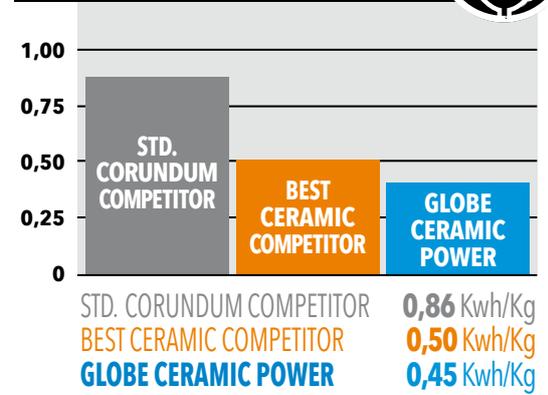
The application of GLOBE CERAMIC POWER on heavy workings.

## LAB TEST OF GRINDING ON BAR (MILD STEEL) 12mm AND 125x6,5mm DISC

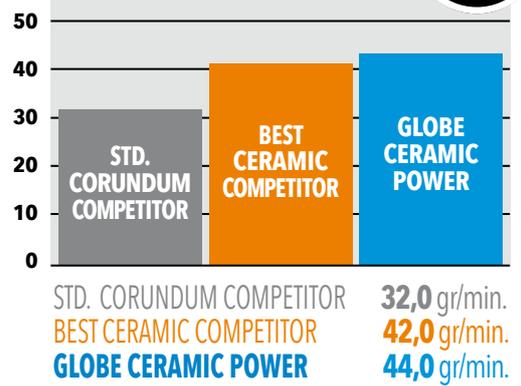
### TOTAL GRAMS REMOVED (up to the end of disc)



### ENERGY CONSUMPTION

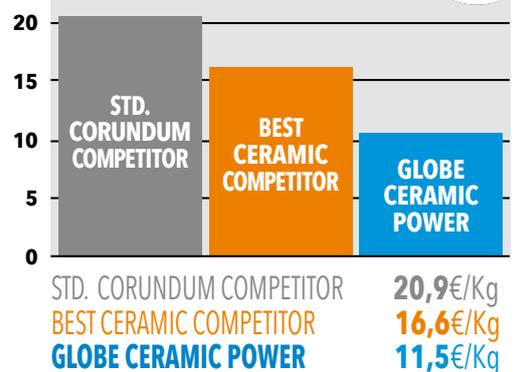


### REMOVAL SPEED



### COST PER KG REMOVED

COST OF LABOUR: 25 €/h  
COST OF ENERGY: 0,33 €/Kwh  
COST OF DISC



# DEPRESSED CENTER CERAMIC DISCS FOR CUTTING AND GRINDING



## CUTTING AND GRINDING IN A "UNIQUE" DISC

CERAMIC POWER COMBI wheels were conceived by GLOBE to perform even better cutting, deburring and chamfering operations with a single product thanks to the special ceramic grains.

|               |                 |
|---------------|-----------------|
| 115x4,0x22,23 | Art. Code G1063 |
| 125x4,0x22,23 | Art. Code G1065 |
| 150x4,0x22,23 | Art. Code G1066 |
| 180x4,0x22,23 | Art. Code G1067 |
| 230x4,0x22,23 | Art. Code G1068 |

**SG 30-36 SX CER**

## ALL THE ADVANTAGES OF GLOBE CERAMIC POWER (CUTTING & GRINDING)

- Only one tool can be used for cutting and deburring
- No downtime for tool changes or interruption of work
- Very high cutting speed
- Excellent cutting quality and precision
- Very low formation of "burrs" during cutting
- Excellent stock removal capacity
- Excellent safety during deburring operations
- Maximum work efficiency
- Very long tool life

MAX-FUN (ADV) V. 1-26



## EVOLUTION AND REVOLUTION IN THE GRINDING WORLD

### THE MAIN ADVANTAGES OF GLOBE "VIBLOCK"

|                     |                      |              |                      |                |
|---------------------|----------------------|--------------|----------------------|----------------|
|                     |                      |              |                      |                |
| VIBRATION DAMPENING | HIGHER REMOVAL SPEED | MORE COMFORT | GREATER DISC BALANCE | COST REDUCTION |

Using CERAMIC POWER in combination with the new set of damping flanges **VIBLOCK (PATENTED)**, **VIBRATIONS ARE ALMOST NIL**, noise is reduced and user comfort becomes comparable to that of flap discs but offering much greater productivity and precision. In addition, the quality of grinding is very high with low surface roughness. Machine control is improved thanks to working very low vibrations, which regularise contact between grinding wheel and workpiece, allowing works of excellent precision and finishing. All this also makes work easier for less experienced users who can carry out delicate grinding operations with greater ease.



**3 ASSEMBLY STEPS:**  
**VIBLOCK** is simple to assemble.  
**OPERATION:**  
**VIBLOCK** improves performance and durability of the disc, reducing operator's fatigue.



Use and safety informations



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