

CARBOGRIND CT

High-performance, intermediate-density cylindrical ceramic grinding media

Sizes: 25-50mm | Apparent density: $\geq 3.6 \text{ g/cm}^3$

Features

- Superior strength and hardness
- Lower density than alternatives such as steel or iron balls
- Chemically inert and environmentally friendly
- Larger surface area compared to sphere of equivalent size

Benefits

- High grinding efficiency
- Longer product life cycle
- Decreases product contamination
- Reduces equipment wear and maintenance costs
- Less cost per volume than high-density alternatives



CARBOGRIND CT high-performance intermediate-density cylindrical ceramic grinding media is engineered with a low wear rate and high resistance to wear in order to provide unmatched economic advantages. The proprietary manufacturing process produces cylinders with mechanical properties similar to those of alumina balls.

Applications and markets

- Industrial minerals
- Industrial ceramics
- Paints and pigments
- Chemical industry

Chemical and physical properties

Typical size

Product	Diameter x Height (mm)	Diameter x Height (in)
360-25x25	25 x 25	1 x 1
360-25x40	25 x 40	1 x 1.50
360-32x32	32 x 32	1.25 x 1.25
360-32x40	32 x 40	1.25 x 1.50
360-45x45	45 x 45	1.75 x 1.75
360-45x40	45 x 40	1.75 x 1.50
360-50x50	50 x 50	2 x 2
360-50x40	50 x 40	2 x 1.50

Note: we do not recommend the use of cylinders in dry milling, as the impact forces between different grinding bodies could subject the cylinders to too much stress.

Typical additional properties

Apparent density (g/cm ³)	≥ 3.6
Vickers hardness* (0.5 kg)	1200 \pm 100
Mohs hardness	8-9
Color	White

Chemical composition (weight %)

Al ₂ O ₃	Other
≥ 90	≤ 10

*Standard deviation as % of median

Data is subject to change due to continuous improvement of the product.

Talk to CARBO to find out how we can improve your end-product quality and reduce operating costs.

Learn more at +1 800 551 3247 | carboindustrial.com