



Technical resources

304 stainless steel grinding ball

<https://www.tencanballmills.com/en/products/grinding-series/ball-mill-media/304-stainless-steel-grinding-ball.html>

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304 stainless steel grinding ball

Model:

High-quality 304 stainless steel grinding balls for fine grinding and dispersion in planetary, drum, stirred, and vibration ball mills. Durable, corrosion-resistant, widely used in powder processing.

Technical specifications

Diameter	1~30mm
Density	$\approx 7.9\text{g/cm}^3$
Hardness	HRC 20-30

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



304 stainless steel balls are commonly used in planetary ball mills, drum ball mills, stirring ball mills, vibration ball mills and other ball mills to finely grind and disperse materials.







Technical parameters

diameter: $\Phi 1\text{mm}-\Phi 30\text{mm}$

Main ingredients: Fe, Cr, Ni alloy

Density (g/cm³): ≈ 7.9

hardness: Medium to low, HRC 20-30

Wear resistance (wear rate): Generally, on the order of 10^{-5} g/h

Contamination risk: High, easy to introduce Fe, Ni, Cr ions

Main application areas: Materials with low purity requirements, such as chemical raw materials, fillers, rare earth polishing, etc.

*** The above parameters are for reference only. The specific parameters are subject to actual conditions or customized parameters can be customized according to special requirements.;**

1. Generally non-magnetic, but it will become magnetized after passing through the photosphere and can be demagnetized, $HRC \leq 26$.
2. Has good anti-rust and anti-corrosion properties.
3. Good sphericity and smooth surface.
4. Suitable for grinding a variety of materials, high cost performance

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Before operation, review the selected model's instructions and the material requirements.