

Hardened Steel Ball

These hardened steel balls are manufactured to precise tolerances for consistent performance and durability. They are suitable for use in ball mills, bearings and other heavy-duty applications requiring high compressive strength and wear resistance.



ADDITIONAL IMAGES



Product Overview

Precision Hardened Steel Balls

These high-density hardened steel balls are engineered for exceptional durability and wear resistance in demanding industrial environments. Designed for smooth operation in high-load mechanical systems, they are ideal for renewable energy applications such as wind turbines and hydro-electric equipment. Available in a wide range of sizes and manufactured to precise tolerances, these components ensure long-term reliability and efficient performance.

Material and Finish



Precision-engineered steel ball featuring a durable, oil-protected surface finish.

Material Composition	High-carbon steel
Surface Finish	Oiled for corrosion resistance, Heat-treated

Technical Specifications



Heat-treated surfaces ensure high compressive strength for heavy-duty industrial applications.

Key Performance Metrics

25 mm

Minimum Diameter

150 mm

Maximum Diameter

Diameter and Tolerance Data

Nominal Diameter (mm)	Approx. Mass (g)	Tolerance (mm)
25	26	+1.5 / -2.0
40	41.6	+1.5 / -2.5
65	67.6	+1.5 / -3.5
90	93.6	+1.5 / -4.5
120	124.8	+1.5 / -5.5

Available Diameter Range

25mm to 150mm (1 to 6 inches)

Applications



Engineered for high-stress renewable energy environments including gearboxes and turbines.

Industrial Applications

- Renewable Energy Systems
- Wind Turbine Gearboxes
- Hydro-electric Power Generation
- Bearings
- Ball Mills
- Grinding and Polishing
- Shot Peening