

Metal Balls

Product Descriptions

Ball Bearings

A “ball bearing” is an engineering term referring to a type of rolling element bearing which uses ball to maintain the separation between the moving parts of the bearing. The purpose of ball bearings is to maintain the separation rotational friction and support radial and axial loads. The common materials available are 316 stainless steel and Chrome.



Part Number:

Diagram illustrating the relationship between BB and its attributes:

- BB is associated with Diameter, Material, and Grade.

Example: BB 0250-C-G25. 1/4" Chrome Steel Ball, Grade 25.

Rock Bit Balls




Rock Bit Balls are precision-engineered from premium-grade S-2 tool steel, designed for exceptional strength and rugged performance. Utilizing the same steel commonly found in chisel ends and hammer heads, these balls provide the unparalleled resilience necessary for severe shock loads. The smooth ground and polished finish, in combination with high accuracy of diameter and concentricity, make this product ideally suited to the harsh demands of bearing assemblies in downhole drilling motor applications. Inventoried items will include a diverse array of sizes from 3/16" through to 2" in diameter, standardized on a Grade 100 quality.

Our rock bit balls are available in 1/32 increments from ¼" to 2". Common sizes include:

- | | | | |
|----------|----------|----------|----------|
| • 0.250" | • 0.562" | • 0.812" | • 1.375" |
| • 0.312" | • 0.593" | • 0.875" | • 1.500" |
| • 0.375" | • 0.625" | • 1.000" | • 1.750" |
| • 0.437" | • 0.687" | • 1.125" | • 2.000" |
| • 0.500" | • 0.750" | • 1.250" | |

Additional grades and sizes are available upon request.

Part Number:

RBB -  RB G  - 

Diameter Grade Blank - Not purchasing in bulk/full box
BOX - If purchasing in bulk/full box

Example: RBB 0.875-RBG100. 7/8" Rock Bit Ball, Grade 100.