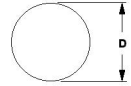




# MBA

## Balls - Ceramic - Silicon Nitride



Outstanding wear resistance. Good thermal and chemical resistance.

High hardness.

High strength over a wide temperature range.

High fracture toughness.

Outstanding wear resistance.

Good thermal and chemical resistance.

This catalogue to be read in conjunction with information at <http://www.minibearings.com.au/ical/balls/>

<http://www.minibearings.com.au/categories/balls/all/pics/>

### Balls - Ceramic - Silicon Nitride

| Part Number         | Diameter (D) mm<br><i>inches</i> | Material | Precision Grade | Hardness      | Properties                                  | Colour | Specific Gravity |
|---------------------|----------------------------------|----------|-----------------|---------------|---|--------|------------------|
| BL-01.588-Si3N4-G10 | 1.588<br><i>0.063</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-02.381-Si3N4-G10 | 2.381<br><i>0.094</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Balls - Ceramic - Silicon Nitride

| Part Number         | Diameter (D) mm<br><i>inches</i> | Material | Precision Grade | Hardness      | Properties                                  | Colour | Specific Gravity |
|---------------------|----------------------------------|----------|-----------------|---------------|---|--------|------------------|
| BL-02.500-Si3N4-G10 | 2.500<br><i>0.098</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-03.000-Si3N4-G10 | 3.000<br><i>0.118</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-03.175-Si3N4-G10 | 3.175<br><i>0.125</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-03.500-Si3N4-G5  | 3.500<br><i>0.138</i>            | Si3N4    | Grade 5         | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-03.969-Si3N4-G10 | 3.969<br><i>0.156</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-04.000-Si3N4-G10 | 4.000<br><i>0.157</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-04.762-Si3N4-G5  | 4.762<br><i>0.187</i>            | Si3N4    | Grade 5         | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |

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## Balls - Ceramic - Silicon Nitride

| Part Number           | Diameter (D) mm<br><i>inches</i> | Material | Precision Grade | Hardness      | Properties                                  | Colour | Specific Gravity |
|-----------------------|----------------------------------|----------|-----------------|---------------|---|--------|------------------|
| BL-04.762-Si3N4-G10   | 4.763<br><i>0.188</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-05.000-Si3N4-G10   | 5.000<br><i>0.197</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-06.350-Si3N4-G10   | 6.350<br><i>0.250</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-07.938-Si3N4-G10   | 7.938<br><i>0.313</i>            | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| BL-12.700-Si3N4-G10   | 12.700<br><i>0.500</i>           | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| # BL-15.875-Si3N4-G10 | 15.875<br><i>0.625</i>           | Si3N4    | Grade 10        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |
| # BL-17.463-Si3N4-G25 | 17.463<br><i>0.688</i>           | Si3N4    | Grade 25        | 1580 kg/mm.sq | Good wear resistance and thermal resistance | Grey   | 3.29             |

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