



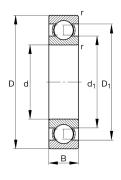
FAG

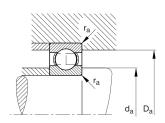
6318-M-J20AA-C3 ☑

Deep groove ball bearing

Deep groove ball bearing 63..-M-J20AA, single row, solid brass cage, ceramic coated

Technical information





Your current product variant

| Sealing | Without | Not sealed |
|----------------------------------|--------------|---|
| Cage | М | Solid brass cage, rolling element guided |
| Tolerance class | PN | Normal (PN) |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |
| Lubricant | Without | Bearing not greased |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Coating | J20AA | current insulation, outer ring ceramic coated |
| Bore type | Z | Cylindrical |
| | | |

Main Dimensions & Performance Data

| d | 90 mm | Bore diameter |
|-----------------|-------------|-----------------------------------|
| D | 190 mm | Outside diameter |
| В | 43 mm | Width |
| Сг | 142,000 N | Basic dynamic load rating, radial |
| C _{Or} | 102,000 N | Basic static load rating, radial |
| C ur | 5,900 N | Fatigue load limit, radial |
| n G | 6,300 1/min | Limiting speed |
| n _{9r} | 5,100 1/min | Reference speed |
| ≈m | 6 ka | Weight |



Mounting dimensions

| d a min | 104 mm | Minimum diameter shaft shoulder |
|---------|--------|--------------------------------------|
| D a max | 176 mm | Maximum diameter of housing shoulder |
| r a max | 2.5 mm | Maximum fillet radius |

Dimensions

| ^r min | 3 mm | Minimum chamfer dimension |
|------------------|-----------|------------------------------|
| D ₁ | 157.7 mm | Shoulder diameter outer ring |
| d ₁ | 123.66 mm | Shoulder diameter inner ring |

Temperature range

| T _{min} | -30 °C | Operating temperature min. |
|------------------|--------|----------------------------|
| T _{max} | 150 °C | Operating temperature max. |

Calculation factors

| f ₀ | 13.9 | Calculation factor |
|----------------|------|--------------------|

Characteristics





Oil Lubrication



Not sealed



Current insulated