

FEATURES

- **Steel ball material:** Provides durability and resistance to wear
- **Single row deep groove design:** Enhances load-carrying capacity and speed
- **Cylindrical bore type:** Facilitates easy installation and alignment
- **Sheet metal cage material:** Ensures stability and reduces friction
- **Dynamic load rating of 11.9 kN:** Supports substantial operational loads
- **Shielded end type:** Protects against contamination and extends bearing life
- **Limiting speed of 20000 rpm:** Suitable for high-speed applications
- **Internal clearance CN:** Offers optimal performance under standard conditions

RS PRO 25 mm Cylindrical Ball Bearing, Single Row Deep Groove

RS Stock No: 291-597



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price

Product Description

This RS PRO ball bearing is designed for reliable performance in various industrial applications. With a 25 mm inside diameter and a cylindrical bore type, it is ideal for supporting radial loads and ensuring smooth rotational motion. The single row deep groove design enhances its load-carrying capacity, making it suitable for high-speed operations.

General Specifications

Ball Material	Steel
Bearing Type	Single Row Deep Groove Ball
Bore Type	Cylindrical
Cage Material	Sheet Metal
Dynamic Load Rating	11.9 kN
End Type	Shielded
Internal Clearance	CN
Limiting Speed	20000 rpm
Number of Rows	1
Product Type	Ball Bearing
Race Material	Steel
Race Type	Plain
Race Width	12 mm
Static Load Rating	6.55 kN

Mechanical Specifications

Inside Diameter	25 mm
Outside Diameter	47 mm

Approvals

Standards/Approvals	ANSI-ESD S20.20:2021
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