

## R10Z



### Technical sheet of R10Z

#### What are the Benefits of choosing R10Z bearings?

- **Minimal Size:** Inner diameter can be as small as 1 mm or even smaller, saving installation space and suitable for micro motors and instruments.
- **Ultra-High Speed:** Optimized design enables extremely high limiting speeds and extremely low heat generation.
- **Low Friction Torque:** Minimal starting and running friction torque, high sensitivity, ensuring precise control.
- **Low Noise and Vibration:** Precision machining ensures smooth and quiet operation, suitable for precision instruments.
- **Long Lifespan:** Utilizing high-quality materials and processes guarantees stable operation over extended periods.

<b>Type :</b>	Inch size miniature ball bearings	
<b>Model :</b>	<a href="#">R10Z</a>	
<b>Main dimensions :</b>	15.875 mm × 34.925 mm × 8.738 mm	Bore Dia × Outside Dia × Width Dia
<b>M kg:</b>	0.038	Mass
<b>HS Code :</b>	8482102000	Bearing customs code
<b>d mm:</b>	15.875	inner ring diameter
<b>D mm:</b>	34.925	Outer ring diameter
<b>B(T) mm:</b>	8.738	Overall Width

#### Detailed parameters and installation dimensions:

ID: 0.625 inch, OD: 1.375 inch, T/B: 0.344 inch, Seals type: 1 Metal Shield, Precision: ABEC 1 | ISO P0,

Maximum Capacity / Filling Slot: No, Rolling Element: Ball Bearing

Part Number: R10Z WIB

Technical description (Z): Z=Shield Of Pressed Sheet Steel On One Side Of The Bearing.

Bearing Type: Deep Groove Ball Bearings, Single Row

Bearing Size (metric): Bore Dia. (d): 15,88 mm X Outer dia. (D): 34,93 mm X Width (B): 8,73 mm or Size: 15,88 mm \* 34,93 mm \* 8,73 mm

Size(inch): Bore Dia. (d): 0.6250 Inch X Outer dia. (D): 1.3750 Inch X Width (B): 0.3438 Inch or Size: 0.6250 Inch \* 1.3750 Inch \* 0.3438 Inch

Original Equipment Manufacture(OEM NO.): R10Z

Bore: C (Cylindrical Bore)

Seals Type: Z - Steel Seal on One Side

Cage Design: S (Steel or Standard Cage)

Radial internal clearance: Cn (Normal Internal clearance)

Precision Rating: Standard class precision

Type of lubrication: Standard class lubrication

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

### What are the applications of the R10Z bearing?

- **Medical/Dental:** Used in dental drills, surgical instruments, and analytical instruments. Ultra-high speed and low friction ensure precise control and stability.
- **Precision Instruments:** Used in measuring equipment, encoders, and optical instruments. Extremely low vibration and high sensitivity guarantee measurement accuracy.
- **Motors/Models:** Used in miniature motors, cooling fans, drones, and remote-controlled models. Extremely small size and low noise allow for high-speed rotation.
- **Office/Home Appliances:** Used in hard drives, printer motors, and robotic vacuum cleaners. Long lifespan and low friction torque ensure stable and quiet operation.

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