

UPGRADED

Optional End Cap
(order separately)

Sealmaster® Material Handling Mounted Ball Bearings Now Designed for Commercial Tolerance Shafting for Improved Lock Reliability

Sealmaster material handling mounted ball bearings feature cast iron housings and an extended inner race insert bearing with nylon retainer. The insert features a rivet to help prevent outer ring rotation and is available with setscrew or SKWEZLOC® concentric locking collar designed for commercial tolerance shafting and optional snap on end cap. The contact seal, with black oxide treated flinger, provides a good balance between contaminant resistance, grease loss and friction. These bearings are available in common unit material handling industry bore sizes and housing configurations.

This is a rolling implementation with no changes to finished good part numbers.

Shaft sizes (series): 1 7/16" (23),
1 11/16" (31) and 2 7/16" (39) with
date code August 1, 2015 or later.

Contact us for timing of
additional shaft sizes.

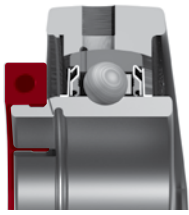


Shaft Diameter	Setscrew and Old SKWEZLOC Tolerance Range	SKWEZLOC Upgraded Tolerance Range (Commercial Shafting)
1/2" to 2"	+0.000 / -0.005"	+0.000 / -0.003"
2 1/8" to 2 7/16"	+0.000 / -0.010"	+0.000 / -0.004"

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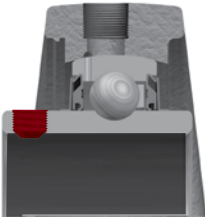
Features and Benefits



Multiple Locking Methods

SKWEZLOC® Concentric Locking Collar

SKWEZLOC is a concentric locking collar clamp redesigned for commercial tolerance shafting, having an innovative circumferential groove in the bore. The result is a near perfect concentricity of the shaft to bearing and ball path roundness, while reducing fretting corrosion. This design eliminates the shaft damage of setscrew locking, and minimizes bearing induced vibration for smoother quieter operation. The collar has a TORX head cap screw that outlasts stripping 12 times longer than hex head cap screws.



Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contribute to improved clamping and resistance to back out.



Sealing

Positive contact molded nitrile rubber contact seal with an auxiliary flinger element standard. The contact seal allows grease purge and helps keep contamination out of the bearing while the flinger provides a rotating shield that directs contamination away from the seal.



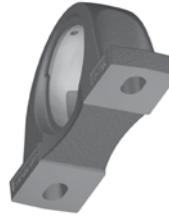
Sealed for Life

The Sealmaster Material Handling Bearings are supplied with a plug in the housing and are "sealed for life". A standard lubrication fitting is supplied loose in the box if relubrication is desired.



Anti-Rotation Rivet

An Anti-rotation rivet prevents outer ring creep, or rotation, within the housing.



Solid Cast Iron Base

Solid bases are standard on Sealmaster Material Handling ball bearing pillow blocks. The solid base provides improved stability, resistance to shock and vibration and prevents frame buckling under base compared to semi-solid and hollow mounting bases.



Zone Hardened Inner Race

Sealmaster incorporates a unique heat treat process that hardens the inner race only where it is needed...under the ball path. The zone hardened inner race results in improved lock reliability as a result of less distortion at setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out.



End Caps

The Sealmaster Material Handling Bearing housings are machined to accept an optional safety yellow polymer snap on end cap to cover rotating shafts, allowing users to better conform to OSHA requirements for personal protection from rotating shafts. The end cap can easily snap into the housing without the need for special tooling.



Regal Power Transmission Solutions
7120 New Buffington Road
Florence, KY 41042
Customer Service: 800-626-2120
Fax: 800-262-3292
Technical Service: 800-626-2093

www.RegalPTS.com

APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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Nameplate

A metal nameplate riveted to the housing allows for easy identification even after years of operation.

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