

Link-Belt PA 300 Series HD SHURLOK Adapter-Mounted Ball Bearing Frequently Asked Questions





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Frequently Asked Questions

To help you understand the features, benefits and applications of the Link-Belt® PA 300 Series HD SHURLOK® Adapter-Mounted Ball Bearing product offering, read our frequently asked questions (FAQs) and their answers below. Don't see your questions? Contact your Rexnord Account Executive or call the Rexnord Bearing Technical Support team at 317-273-5781.



Questions

Answers

Is the Link-Belt Heavy-Duty SHURLOK Adapter Mount a direct interchange to the Link-Belt Heavy-Duty Set Screw Bearing?	Yes. The Link-Belt Heavy-Duty SHURLOK Adapter Mount is a direct interchange. Both bearings use the same housing.
What tools are required?	<ul style="list-style-type: none"> • Rexnord recommends using our spanner wrench to secure the adapter sleeve to the shaft. This will prevent damaging the locknut. • Another method of mounting is the use of a drift and hammer – caution: this may damage the locknut.
Is there greater holding strength to the shaft compared to set screws?	Yes. The Link-Belt Heavy-Duty SHURLOK Adapter Mount has a 25 percent greater shaft grip and will not seize to the shaft.
How do you remove it?	Simply loosen the locknut on the adapter. As you loosen the locknut, the tapered adapter sleeve pushes off the shaft.
Does the Link-Belt Heavy-Duty SHURLOK Adapter Mount have the same speed and load ratings of the standard Link-Belt Heavy-Duty Set Screw Bearing?	<ul style="list-style-type: none"> • Yes and no. The speed ratings are the same as the set screw bearing, and the load ratings are actually higher than the set screw bearing.
Can it accommodate "commercial grade" shafting?	<ul style="list-style-type: none"> • Yes – for bore sizes 1" – 2" – Nominal to -0.003" and 2 1/16" – 3 15/16" – Nominal to -0.004".
Are they available in fixed and expansion options?	Yes. Fixed and expansion options are available for all bore sizes.

Questions

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Are the raceways super-finished?	Yes. The inner/outer races are super-finished for cool and quiet operation.
How does the expansion bearing move in the housing?	Expansion bearings are made up of the bearing insert pressed into the steel cartridges, which moves within the housing.
How much can an expansion bearing move?	The expansion bearing can float $\pm 3/16"$.
What bore sizes are available?	<ul style="list-style-type: none">• As of April 1, 2011 – bore sizes 1 15/16", 2 3/16", 2 7/16", 2 11/16" and 2 15/16".• As of September 2011 – bore sizes 1 11/16", 3 7/16" and 3 15/16".
What are the housing options?	<ul style="list-style-type: none">• 2-bolt pillow block (standard and high backing height)• 4-bolt flange• 4-bolt round flange cartridge
What seal options are available?	<ul style="list-style-type: none">• Standard clearance seal with flingers.• Optional double lip contact seal with flingers.
What type of retainer is used?	<ul style="list-style-type: none">• Standard retainer is polymeric.• Optional steel retainer.
Are replacement inserts available?	Yes. Replacement inserts are available for both fixed and expansion units.
What is the nomenclature?	<ul style="list-style-type: none">• Fixed units – PA3xx (xx= bore size), PA331 is 1 15/16" bore size.• Expansion units - PEA3xx (xx=bore size), PEA339 is 2 7/16" bore size.• Replacement insert – AG3xxL (xx=bore size), AG335L is 2 3/16" bore size.
Does the recommended grease re-lubrication interval change?	No. Re-lubrication intervals are the same. Re-lubrication intervals and amount of grease are based on the shaft speed and other operational conditions. See service instructions for intervals and amount of grease based on your specific application.
What is the temperature range?	Allowable temperature range without special grease and changing of the standard internal clearance is -20°F to +200°F.



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