

Rexnord Modulflex 92x5 Disc Coupling Frequently Asked Questions





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Frequently Asked Questions



Questions

What is a Rexnord Modulflex 92x5 Disc Coupling?

Why choose Rexnord Modulflex 92x5 Disc Couplings?

How is the Rexnord Modulflex 92x5 Disc Coupling designed?

How does a Rexnord Modulflex 92x5 Disc Coupling function?

How long have the couplings been on the market?

Answers

The Rexnord Modulflex 92x5 Disc Coupling is a torsionally stiff coupling with a modular design concept and optional Rexnord Koniclam[®] keyless shaft connections. It's truly backlash-free and the flexible disc elements are installed under compression.

We engineer and manufacture a modular product with the lowest total cost of ownership that meets several application requirements. The coupling offers a reliable performance even when the system experiences reciprocating forces. With the ease of installation and the perfect application alignment, the Rexnord Modulflex 92x5 Disc Coupling is the best solution for the most demanding applications.

The product is designed and manufactured to meet zero backlash, high-speed potential and high reversing / alternating torques per outer diameter.

The Rexnord Modulflex 92x5 Disc Coupling transmits torque from the driver equipment to the driven equipment, protecting the bearings, gears, and more, against reaction forces due to misalignment or runouts.

The first Rexnord Modulflex Disc Coupling was launched in 1990. Currently we are at the fifth generation of the Rexnord Modulflex Disc Coupling.

Questions

Answers

What are typical applications for Rexnord Modulflex 92x5 Disc Couplings?

They can be used as a general purpose coupling, but specifically on applications with reversing torques, test rigs, torque meters, marine drive shafts, compressors, large industrial fans, and more.

What makes the Rexnord Modulflex 92x5 Disc Coupling design unique in an application?

The Rexnord Modulflex 92x5 Disc Coupling is designed to meet specific application requirements. It has a form-fitted disc connection that allows the coupling to transmit reversing torques without any additional service factors. The radial and axial runout of the coupling is outstanding and no extra bending forces are created by inclined flanges or by tightening up the screws.

Can the coupling be customized?

The modular design of the Rexnord Modulflex 92x5 Disc Coupling is the base parameter of this coupling. It makes it easy to customize the coupling to meet the application requirements.

Can Rexnord Modulflex 92x5 Disc Couplings be used with extended spacers?

Yes, there are steel spacers available up to 6.000 millimeters and in carbon fiber available up to 12.000 millimeters.

What are the shaft diameters where the Rexnord Modulflex 92x5 Disc Coupling can be used?

The size options range from 15 to 385 millimeters bores for shaft diameter connection.

What is the typical torque capacity for a Rexnord Modulflex 92x5 Disc Coupling?

For the standard coupling design the torque capacity goes from 100 to 330.000 Nm. The torque capacity for a non standard design can go up to 3.000.000 Nm and above. The nominal and maximum torque ratings are capable to transmit positive and negative torque.

What is the temperature range in which the Rexnord Modulflex 92x5 Disc Coupling can be used?

-30 to 150 degrees Celsius. Special low- and high-temperature designs are available on request.

What materials are Rexnord Modulflex 92x5 Disc Coupling assemblies made of?

The standard Rexnord Modulflex 92x5 Disc Coupling elements are made from high-grade steel. For special applications the elements can be made from other materials, such as aluminum, stainless steel or alloy steel, to meet extreme requirements, like corrosion resistance or low temperatures.

Why is aluminum used?

The inertia and the weight of the elements are less than half of a steel version, and the performance is 80 percent from the nominal torque.

Does the Rexnord Modulflex 92x5 Disc Coupling require any maintenance?

There is no lubrication needed. The coupling element requires occasional visual monitoring to check if the disc has a failure caused by torque overload or misalignment.

What is the warranty for this coupling?

The coupling has a standard warranty of one year on material and workmanship.

How can I order them?

Contact us at +49 231 82 94 334, by email: cs.bsd@rexnord.com or contact your local Rexnord Account Executive.

Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

REXNORD

Rexnord Company Overview

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control

The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.