

CROSBY FEUBO

Nautilus Slim Swivel



Made in **Germany**



feubo.com
thecrosbygroup.com

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The new benchmark for swivels

The new swivel covers, with two sizes, all standard nominal chain diameters (70-102 mm) in grade R4 and R5.

This puts our clients in a position to limit their investment, only two sizes need to be stocked and increase their return on investment due to a higher usage of each component.

The slimmest swivel of its kind, the dimensions are comparable to the width of the chain link.

The new swivel has no limitations to water depth due to pressure compensation valves.



Side load test simulating a 2.8 m diameter stern roller



It is capable to withstand side loads during installation. It has a FEA proven design for inline and side loads.



To prove the design the swivel is side load tested.

Fatigue test

The performance over time is proven with a fatigue test in a simulated marine environment.



The swivel is serviceable and inspectable with basic tools worldwide.

It is easy to handle and is maintenance friendly.

Breakout torque test

Feubo designed swivels which have proven their ability to swivel under load. In physical tests the break out torque has been measured in up to 30 load intervals. **'Yes it turns, yes it turns under load'** and Feubo can help you to identify the load and torque combination under which the swivel will start rotating.

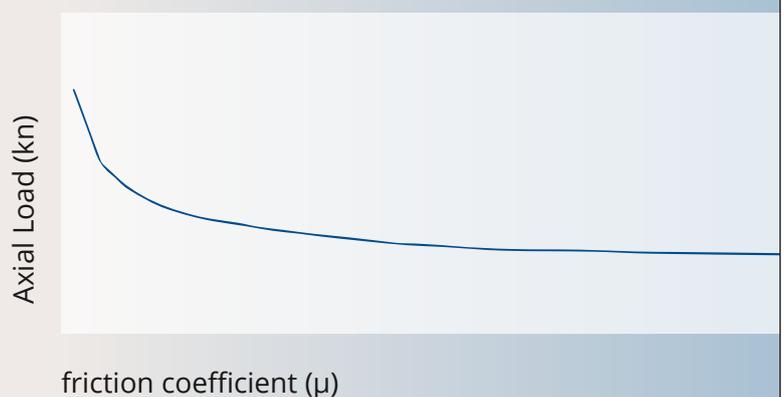
These tests have been witnessed by DNVGL.

Feubo offers for all swivel types a slide or a roller bearing.

Slide bearings are typically offered with wire and/or wire rope chain combinations in mooring systems when the client prefers to reduce speed of the movement. Typically the required break out torque is higher.

For chain-chain or chain-synthetic combinations we can offer a roller bearing that has a very low break out torque and eliminates even minimal amounts of torque.

Rotating torque vs load



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Contact

Crosby Feubo
Beuler Höhe 16 – 20 | D 45525 Hattingen | Germany
Phone +49 2324 950750

Mike Duncan | mike.duncan@thecrosbygroup.com
Phone +34 685 639 969

Stuart Glennie | stuart.glennie@thecrosbygroup.com
Phone +65 915 99 520

feubo.com

thecrosbygroup.com

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