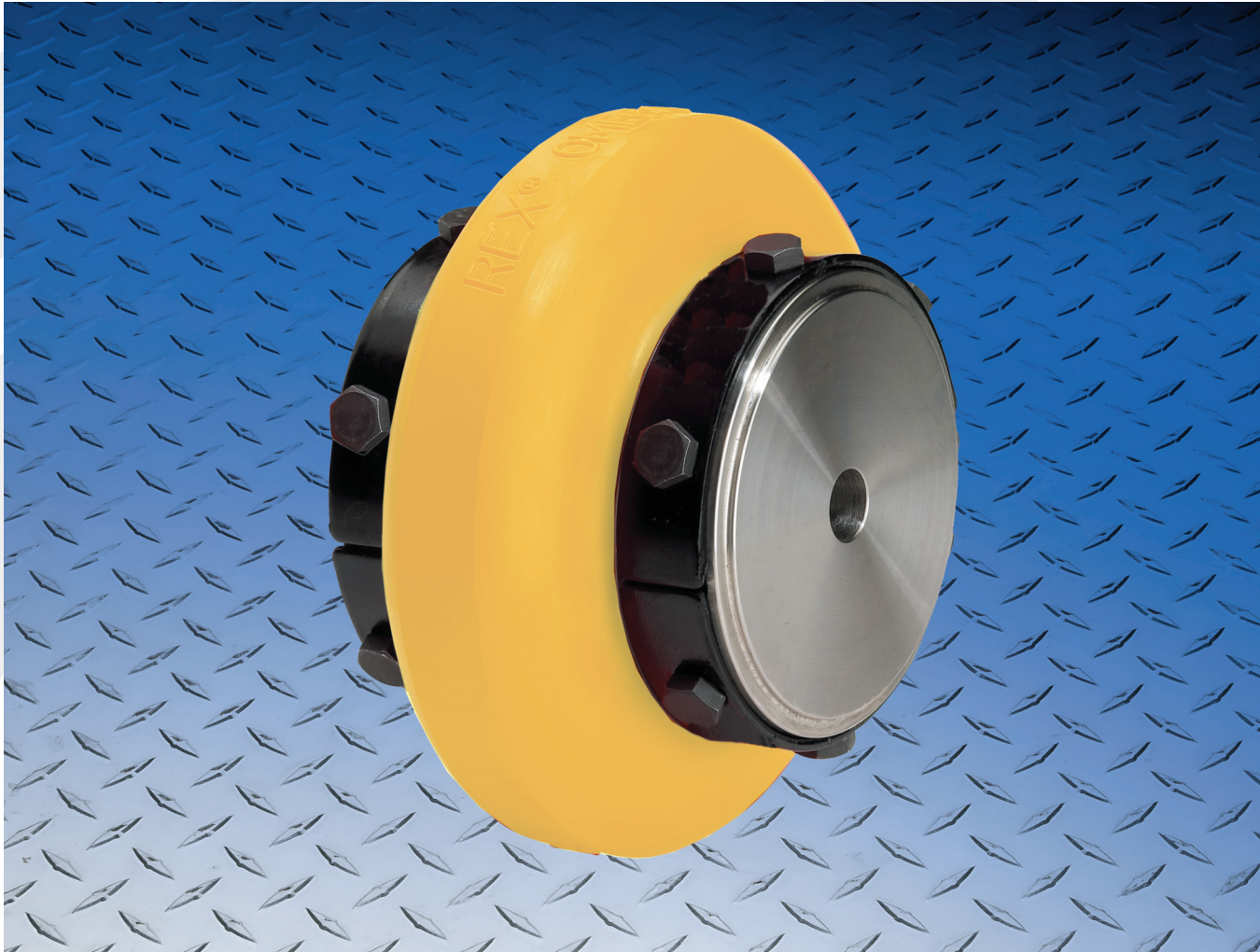


Rexnord® Couplings



Omega® HDY Elastomeric Couplings

What is the Omega HDY?

Omega HDY is an option available with the standard Omega product that provides increased torque ratings, increased torsional stiffness and is interchangeable with the standard element. As the standard (orange) and HDY elements are identical in shape, we pigment the HDY element yellow to distinguish it from the standard design, hence the name "Heavy Duty Yellow".

When should I consider using HDY?

The HDY version is most commonly used to increase the torque rating up to a 25% above the standard element ratings or where an increase of 40% in torsional stiffness is desired for system compatibility issues.

Are there other differences between the HDY and standard Omega designs?

Due to the higher stiffness of the HDY material, the HDY does have lower misalignment ratings than the standard design. All sizes 2-140 have misalignment ratings of 2° angular and .063" (1.6mm) parallel. The polyurethane formulation in both the standard Omega and HDY designs is very similar so all other properties remain the same.

Is the HDY design widely available?

The HDY design is currently available only at the factory and deliveries can range from stock to 2 weeks for small quantities.

Features and Benefits

- Split-in-half flex element design for simplified assembly and disassembly
 - Interchangeable hubs allow for reduced inventory
 - High misalignment capacity accommodates unavoidable misalignment with low reactionary forces
 - Torsionally soft flex element cushions shock loads and vibration extending equipment life
 - Polyurethane flex element does not require lubrication
 - Polyurethane-to-metal bond eliminates assembly and slippage problems
- associated with mechanically clamped designs
- Our selection software makes choosing the right coupling a snap
 - Rexnord field specialists are locally based experts available to support key end-users
 - The Rexnord Omega HSU coupling (green) is specifically designed for hot and humid environments.
- In addition, the HSU material performs well in caustic and acidic environments. Consult Rexnord engineering for your application.

Size (E or ES)	Torque Ratings	
	Standard Omega Ratings (in-lbs / Nm)	HDY Omega Ratings (in-lbs / Nm)
2	190 / 22	238 / 28
3	365 / 41	456 / 51
4	550 / 62	687 / 78
5	925 / 105	1,156 / 131
10	1,450 / 164	1,812 / 205
20	2,300 / 260	2,875 / 325
30	3,650 / 412	4,563 / 515
40	5,500 / 622	6,875 / 778
50	7,650 / 864	9,563 / 1,080
60	12,500 / 1,412	15,625 / 1,765
70	22,125 / 2,486	27,656 / 3,108
80	39,500 / 4,463	49,375 / 5,579
100	85,050 / 9,605	106,312 / 12,006
120	170,100 / 19,221	212,625 / 24,026
140	340,200 / 38,442	425,250 / 48,053

Application Examples:

High Speed Centrifugal Pumps: Used to decrease the coupling size to minimize weight, overhung loads and potential unbalance.

Crushers/ Grinders: Increases fatigue and ultimate coupling strength for heavily/unevenly loaded size reduction equipment in the power, mining and pulp and paper industries.

Radial and Axial Flow Fans: To avoid torsional resonance, it is sometimes used to increase system natural frequency by increasing coupling torsional stiffness.

Rexnord and Omega are registered trademarks of Rexnord Industries LLC
All rights reserved.

WORLDWIDE CUSTOMER SERVICE

AUSTRALIA

Rexnord Australia Pty. Ltd.
Picton, New South Wales
Phone: 61-2-4677-3811
Fax: 61-2-4677-3812

BRAZIL

Rexnord Correntes Ltda.
Sao Leopoldo - RS
Phone: 55-51-579-8022
Fax: 55-51-579-8029

CANADA

Rexnord Canada Ltd.
Scarborough, Ontario
Phone: 1-416-297-6868
Fax: 1-416-297-6873

CHINA

Rexnord China
Shanghai, China
Phone: 86-21-62701942
Fax: 86-21-62701943

EUROPE

Rexnord NV/SA
Mechelen, Belgium
Phone: 32-15-443881
Fax: 32-15-443860

Rexnord Kette GmbH

Betzdorf, Germany
Phone: 49-2741-2840
Fax: 49-2741-284-385

LATIN AMERICA

Rexnord International
Milwaukee, Wisconsin
Phone: 1-414-643-2366
Fax: 1-414-643-3222
E-mail: international2@rexnord.com

MEXICO

Rexnord S.A. de C.V.
Queretaro, Qro.
Phone: 52-442-218-5000
Fax: 52-442-218-1090

SINGAPORE

Rexnord International, Inc.
Singapore City, Singapore
Phone: 65-6338-5622
Fax: 65-6338-5422

UNITED STATES

Customer Service
Phone: 1-866-Rexnord
(1-866-739-6673)
E-mail: rexncds(state)@rexnord.com
Example: rexncdsohio@rexnord.com

ALL COUNTRIES NOT LISTED ABOVE

Rexnord International
Milwaukee, Wisconsin
Phone: 1-414-643-2366
Fax: 1-414-643-3222
E-mail: international1@rexnord.com