



Applications:

- Pumps
- Compressors
- Industrial Fans
- Mixers

Available Options:

- Hydrolytically Stable Urethane Element
- Heavy Duty Element
- Corrosion Resistant Element
- Stainless Steel Hubs and Hardware
- Spline Bore Hubs
- Keyless Hub/Internal Locking Device Designs
- Limited End Float
- Positive Drive Coupling

Worldwide Support:

www.rexnord.com/contact/worldwide-locations



ATEX II 2GD c TS

Rexnord Omega Elastomeric Couplings

The Benchmark for Over 40 Years

Rexnord Omega Elastomeric Couplings are non lubricated, material-flexing split-in-half tire couplings used in a variety of demanding applications in many industries. This all-purpose coupling has excellent vibration dampening capability, helping to provide extended life to connected equipment.

Omega couplings offer easy installation and replace-in-place design, while accommodating a wide range of shaft gaps.

Higher Material Strength

Omega’s specially formulated polyurethane provides significantly higher peak torque capabilities than competitive rubber based solutions allowing for a smaller size coupling at a lighter weight and ultimately a lower Total Cost of Ownership (TCO).

Weight Balanced Elements

Omega half elements are tightly weight matched to ensure standard weight balance conforms with ISO G16 and AGMA Class 8, helping to prevent premature wearing of connected equipment due to an unbalanced coupling.

Variety of Sizes and Options

In addition to being available in 16 metric and imperial sizes, Omega is offered as a general-purpose Orange, in a Heavy Duty Yellow option that provides 25% more torque capacity, and a Hydrolytically Stable Green option that’s ideal for hot and humid environments. Anti-corrosive coated steel shoes and stainless steel hardware or hubs are also available upon request.

Proven & Trusted Performance

Omega couplings have been used for over 40 years in a wide assortment of demanding applications and recognized in the industry as the benchmark for elastomeric split-in-half tire couplings.



Standard Orange



Heavy Duty Yellow (HDY)



Hydrolytically Stable Urethane Green (HSU)

Polyurethane-to-Metal Bond

minimizes coupling components and eliminates potential slippage associated with mechanically clamped designs.

Radial Bolting provides easier access than axially bolted couplings in confined areas. Hardware available in carbon steel or stainless steel.

Interchangeable Hubs

between close coupled and spacer elements allow for reduced inventory. Hubs are available in carbon steel, 303-304 stainless steel, or with electroless nickel plating.

Phosphate coated anti-corrosive steel shoe and stainless steel hardware available with Green (HSU-J).



Torsionally Soft Flex Element cushions shock loads and vibration to protect and extend connected equipment life.

Split-in-Half Design for easy assembly and replacement without having to remove the hubs. No need to move hubs, or realign equipment when replacing the coupling element.

Weight Balanced Elements for higher speed ratings and prevention of premature wearing due to an unbalanced coupling.

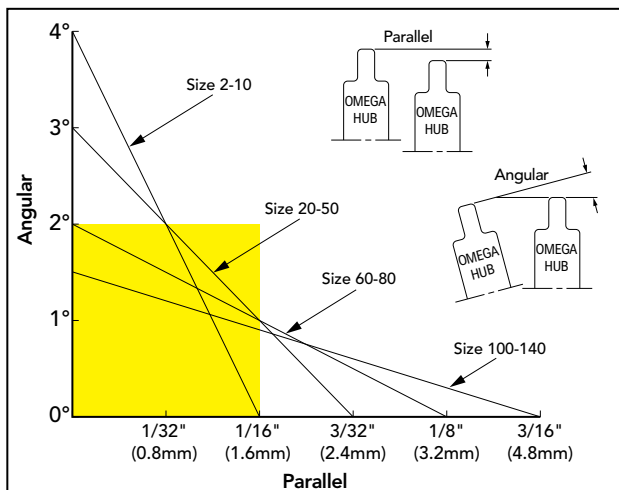
High-misalignment Capacity accommodates unavoidable misalignment with reduced reactionary forces on connected equipment.

Allowable Misalignment

Orange & HSU — Any combination of parallel and angular misalignment which falls under the triangle will not cause a premature fatigue failure of the flexible element in normal use.

HDY — All sizes 2-140 have ratings of 2° angular and 1/16" (1.6mm) as represented in the **yellow box** below:

Omega Coupling Allowable Misalignment



Torque Ratings

Size (E or ES)	Standard & HSU 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
15	1,800 / 204	2,249 / 255
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