

#### Design Features include:

- Split-in-half flex element design for simplified assembly and disassembly
- Torsionally soft flex element cushions shock loads and vibration, extending equipment life
- Interchangeable hubs allow for reduced inventory
- Polyurethane-to-metal bond eliminates assembly and slippage problems associated with mechanically clamped designs
- Optional hole mounting positions and reversible hub features allow adjustment to accommodate most shaft spacing requirements
- Material flexing design allows visual inspection during operation

#### Applications:

- Pumps
- Compressors
- Industrial fans
- Mixers

#### Industry Compliant:

- ATEX II 2GD c T5

#### Special design options:

- Rexnord Omega HSU Element
- Rexnord Omega Heavy-Duty Yellow Element
- Rexnord Omega Spline Bore Hub
- Rexnord Omega Positive Drive Coupling
- Rexnord Omega Keyless Hub / Bushing Design
- Rexnord Omega Light Duty Element
- Limited end float
- Bolt-on brake

## Rexnord Omega ES Elastomer Coupling

### Customer-focused solutions.

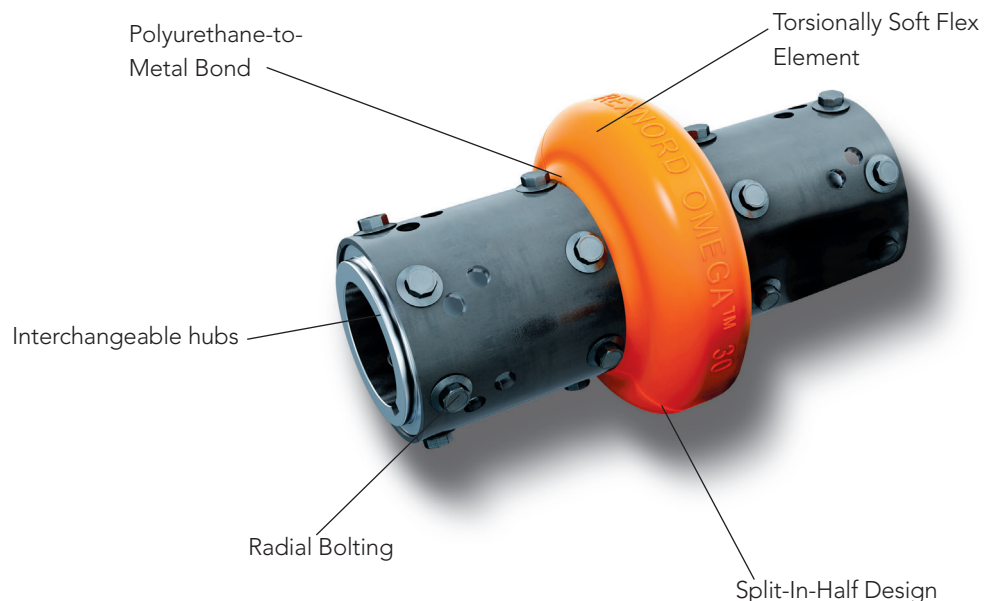
### Reliable Performance.

### Trusted Brands.

You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

### Rexnord Omega ES

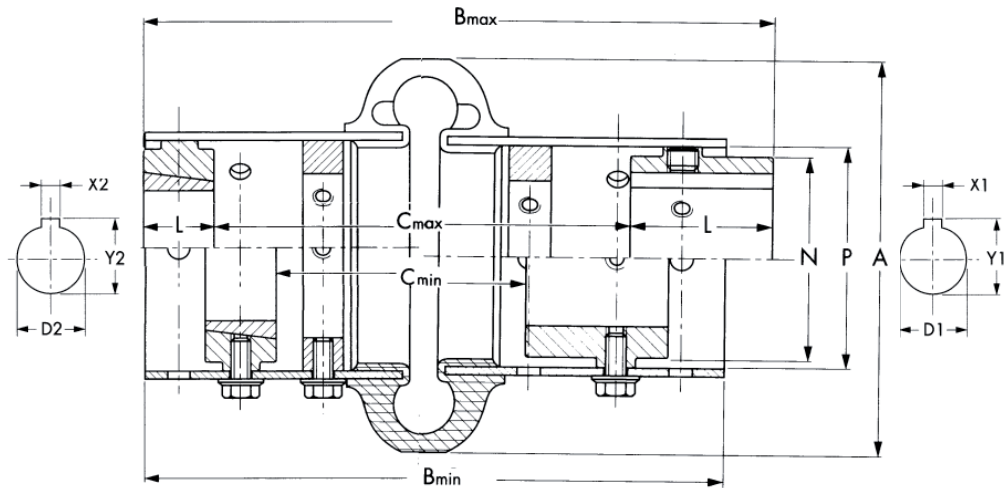
The Rexnord Omega® is a unique general-purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permits faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega ES design is used on spacer applications.



ATEX II 2GD c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



Coupling size	T <sub>nom</sub> Nm	n max min-1	D1		D2		B1		B2		C1		C2		L1	L2	N1	N2	P	m* kg	J* kgm <sup>2</sup>
			Dmax mm	Taper mm	max mm	A mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm							
ES2-R	22	7 500	28	-	-	89	146	149	-	-	91	100	-	-	24	-	38	-	47	1,1	0,0005
ES3-R	41	7 500	34	1 008	25	102	184	216	184	184	85	140	97	137	38	22	50	50	59	2,3	0,0017
ES4-R	62	7 500	42	1 008	25	116	184	216	184	184	85	140	97	137	38	22	57	57	66	2,8	0,0027
ES5-R	105	7 500	48	1 210	32	137	184	228	184	184	89	140	94	133	44	25	70	71	80	4,1	0,0059
ES10-R	164	7 500	55	1 610	42	162	184	228	184	184	89	140	94	133	44	25	84	84	93	5,4	0,010
ES20	260	4 800	60	1 610	42	184	238	280	238	238	67	180	123	172	52	25	95	89	114	8,2	0,021
ES30	412	4 200	75	2 012	50	210	238	293	238	238	54	180	117	165	59	32	114	102	138	12	0,044
ES40	622	3 600	85	2 517	65	241	238	307	238	244	41	180	104	153	63	45	146	117	168	19	0,099
ES50	864	3 100	90	2 517	65	279	238	319	238	244	28	180	104	153	70	45	152	124	207	27	0,19
ES60	1 412	2 800	105	3 020	75	318	318	415	318	326	66	250	155	223	82	51	165	146	222	39	0,34
ES70	2 490	2 600	120	3 535	90	356	318	421	318	364	59	250	116	185	85	89	175	165	235	46	0,47
ES80	4 460	1 800	155	4 040	100	406	318	478	318	377	37	250	104	172	114	102	240	194	286	82	1,14

\*Weight (m) and inertia (J) with maximum bore and key way • Dimension B1, C1, D1, L1, N1 finished bore hubs - B2, C2, D2, L2, N2 with Taper Bush hubs