



**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
- 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 E Elastomer Coupling

**Customer-focused solutions.**

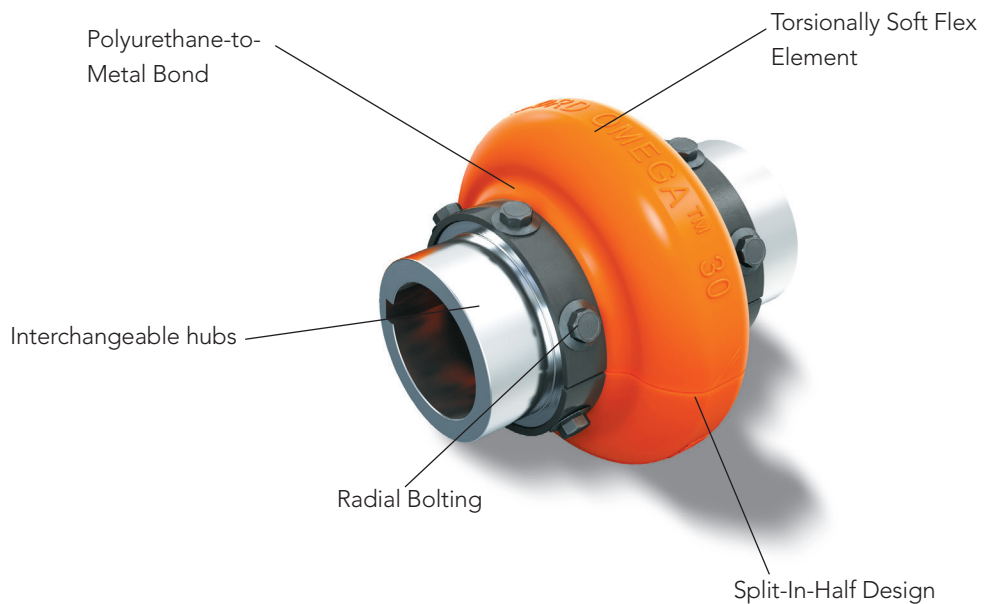
**Reliable Performance.**

**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 E**

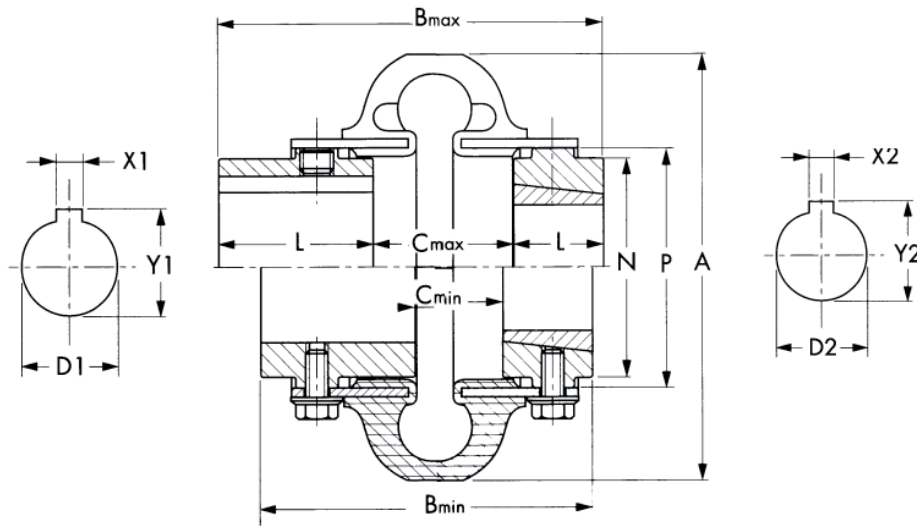
The Rexnord Omega® is a unique general-purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permit faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega E design is used on close coupled 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	Tnom Nm	n max min-1	D1		D2		A mm	B1		B2		C1		C2		L1 mm	L2 mm	N1 mm	N2 mm	P mm	m* kg	J* kgm²
			Dmax mm	Taper bush	Dmax mm	min. mm		max. mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm								
E2	22	7 500	28	-	-	89	84	94	-	-	36	46	-	-	24	-	38	-	47	0,5	0,00032	
E3	41	7 500	34	1 008	25	102	84	122	87	87	8	46	43	43	38	22	50	50	59	1,0	0,00032	
E4	62	7 500	42	1 008	25	116	84	122	87	87	8	46	43	43	38	22	57	57	66	1,3	0,0012	
E5	105	7 500	48	1 210	32	137	97	147	103	103	8	59	52	52	44	25	70	71	80	2,3	0,0032	
E10	164	7 500	55	1 610	42	162	97	147	103	103	8	59	52	52	44	25	84	84	93	3,4	0,0064	
E20	260	6 600	60	1 610	42	184	113	169	114	114	9	65	64	64	52	25	95	89	114	6,8	0,016	
E30	412	5 800	75	2 012	50	210	125	185	128	128	7	68	64	64	59	32	114	102	138	10	0,034	
E40	622	5 000	85	2 517	65	241	135	201	150	150	9	75	60	60	63	45	146	117	168	17	0,080	
E50	864	4 200	90	2 517	65	279	151	231	165	165	11	91	76	76	70	45	152	124	207	24	0,158	
E60	1 412	3 800	105	3 020	75	318	173	261	186	186	9	97	84	84	82	51	165	146	222	34	0,266	
E70	2 490	3 600	120	3 535	90	356	189	279	238	238	19	109	60	60	85	89	175	165	235	39	0,366	
E80	4 460	2 000	155	4 040	100	406	245	377	299	299	17	149	95	95	114	102	240	194	286	77	1,054	
E100	9 600	1 900	171	4 545	110	533	324	375	267	267	44	95	38	38	140	114	260	260	359	95	2,19	
E120	19 200	1 800	190	5 050	125	635	362	429	305	305	57	127	51	51	152	127	299	299	448	163	2,93	
E140	38 400	1 500	229	7 060	177	762	432	483	381	381	76	127	76	76	178	152	381	381	530	280	4,00	

\*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 hub