REXNORD
PRECISION. POWER. PERFORMANCE.





Rexnord Omega® ES

Precision. Power. Performance.

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.

Applications include:

- pumps
- compressors
- industrial fans
- mixers

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.

Ex Certified II 2GD T5

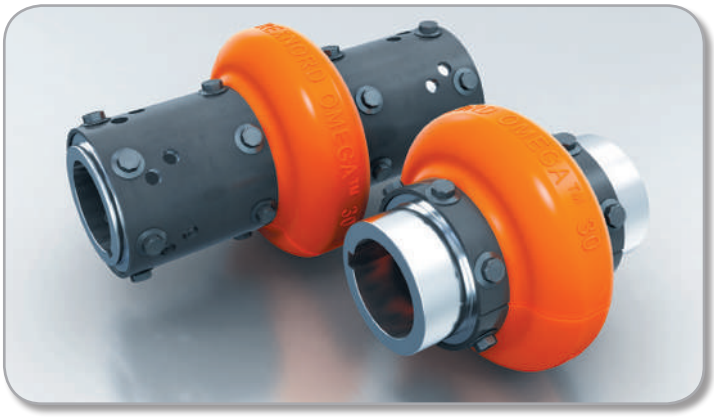
Rexnord Omega® ES

Features

- Split in half element
- Torsionally soft
- Interchangeable hubs
- Optional element mounting holes

Benefits

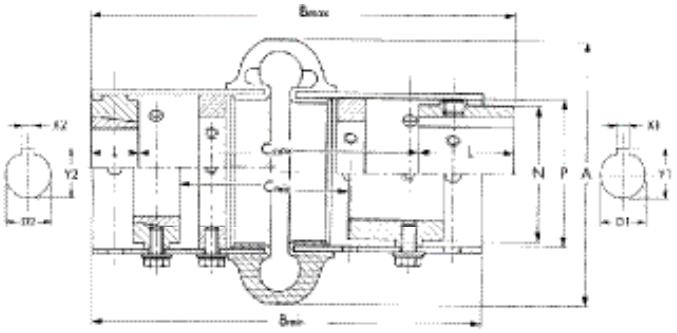
- Ease of installation
- Visual inspection
- Excellent vibration damping
- Low inventory requirements
- Low inventory requirements



ES

Taper bush hub

Finished bore hub



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

Size	Tnom Nm	n-max n-min	D1 max mm	Taper bush	D2 max mm	A	B1min FRB	B1max FRB	B2min HTL	B2max HTL	C1min FRB	C1max FRB	C2min HTL	C2max HTL	L FRB	L HTL	N FRB	N HTL	P	J kgm	m kg
ES2-R	22	7 500	28	-	-	89	146	149	-	-	91	100	-	-	24	-	38	-	47	0,0005	1,1
ES3-R	41	7 500	34	1 008	25	102	184	216	184	184	85	140	97	137	38	22	50	50	59	0,0017	2,3
ES4-R	62	7 500	42	1 008	25	116	184	216	184	184	85	140	97	137	38	22	57	57	66	0,0027	2,8
ES5-R	105	7 500	48	1 210	32	137	184	228	184	184	89	140	94	133	44	25	70	71	80	0,0059	4,1
ES10-R	164	7 500	55	1 610	42	162	184	228	184	184	89	140	94	133	44	25	84	84	93	0,010	5,4
ES20	260	4 800	60	1 610	42	184	238	280	238	238	67	180	123	172	52	25	95	89	114	0,021	8,2
ES30	412	4 200	75	2 012	50	210	238	293	238	238	54	180	117	165	59	32	114	102	138	0,044	12
ES40	622	3 600	85	2 517	65	241	238	307	238	244	41	180	104	153	63	45	146	117	168	0,099	19
ES50	864	3 100	90	2 517	65	279	238	319	238	244	28	180	104	153	70	45	152	124	207	0,19	27
ES60	1 412	2 800	105	3 020	75	318	318	415	318	326	66	250	155	223	82	51	165	146	222	0,34	39
ES70	2 490	2 600	120	3 535	90	356	318	421	318	364	59	250	116	185	85	89	175	165	235	0,47	46
ES80	4 460	1 800	155	4 040	100	406	318	478	318	377	37	250	104	172	114	102	240	194	286	1,14	82

*Weight and inertia with maximum bore and key way • Dimension C(1) finished bore hubs - C(2) with Taper Bush hubs

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