

ELASTOMERIC COUPLINGS

RAPTOR

Raptor is the premier elastomeric coupling in the industry with proven performance in a variety of applications. Its split, natural rubber element delivers leading vibration damping and misalignment capabilities. Its patented WingLock design increases surface area and maximizes fatigue resistance by delivering higher bond strength than competitive designs.

Features and benefits

- Interchangeable with competitive designs
- Split-element design for easy installation
- Longer-driven equipment life
- Lasts 6.7 times longer than urethane designs



Industry-leading warranty

Raptor couplings carry an industry-leading 5-year, limited warranty—even when used with competitors' components.



Raptor close-coupled couplings ratings and dimensions

Size	Part number	Max speed (rpm)	Max torque (in-lbs)	HP/100	Straight bore		Taper-Lock			QD		
					RSB Hub	Max bore (in)	Hub	Max bore (in)	Bushing	Hub	Max bore (in)	Bushing
E2	015843	6600	194	0.31	015234	1.13	-	-	-	-	-	-
E3	015844	6600	371	0.59	015235	1.38	015801	1.00	1008	-	-	-
E4	015845	6600	558	0.89	015236	1.63	015802	1.00	1008	015811	1.19	JA
E5	015846	6600	926	1.47	015237	1.88	015803	1.13	1108	015812	1.63	SH
E10	015847	6600	1456	2.31	015238	2.13	015804	1.44	1310	015813	1.94	SDS
E20	015848	6600	2308	3.66	015239	2.38	015805	1.69	1610	015814	2.50	SK
E30	015849	5800	3651	5.79	015240	2.88	015806	2.13	2012	015815	2.94	SF
E40	015850	5000	5504	8.73	015241	3.38	015807	2.69	2517	015816	3.50	E
E50	015851	4200	7656	12.10	015242	3.63	015808	2.69	2517	015817	3.50	E
E60	015852	3800	12505	19.80	015243	4.00	015809	3.25	3020	015818	3.94	F
E70	015853	3600	22132	35.10	015244	4.50	015810	3.94	3535	015819	4.50	JA
E80	015854	2000	39503	62.70	015245	6.00	015865	4.44	4040	015866	5.50	M
E100	015931	1900	85085	135.00	015246	6.75	015201	4.94	4535	015204	5.50	M
E120	015932	1800	170170*	270.00*	015247	7.50	015202	5.00	5040	015205	6.00	N
E140	015933	1500	340340*	540.00*	015248	9.00	015203	7.00	7060	015206	7.00	P

*For Taper-Lock and QD mounting, refer to bushing torque ratings

1. Grade-8 fasteners

2. Maximum bore dimensions are based on shallow keys

Raptor spacer couplings

Raptor spacer couplings are designed to expand your application options by offering a wide range of distances between shaft ends. This provides the space needed to access and maintain the connected equipment without having to move and realign shafts. Raptor spacer couplings meet all ANSI and ISO pump standard spacer lengths.



Raptor spacer couplings ratings and dimensions

Size	Part number	Max speed (rpm)	Max torque (in-lbs)	Straight bore				Taper-Lock				QD			
				BSE (in)		Total length (in)		BSE (in)		Total length (in)		BSE (in)		Total length (in)	
				Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
ES2-R*	101771	6600	194	4.00	4.56	5.88	6.44	-	-	-	-	-	-	-	-
ES3-R*	101772	6600	371	3.38	5.51	7.25	8.51	4.27	5.84	7.25	7.60	-	-	-	-
ES4-R*	101773	6600	558	3.02	5.51	7.25	8.87	4.27	5.84	7.25	7.60	4.50	6.07	7.25	8.07
ES5-R*	101774	6600	926	2.88	5.51	7.25	9.01	4.27	5.84	7.25	7.60	3.98	5.55	7.25	8.17
ES10-R*	101775	6600	1456	2.62	5.51	7.25	9.27	4.16	5.73	7.25	7.73	7.04	5.99	7.25	8.61
ES20	101776	4800*	2308	2.76	7.08	9.38	11.40	5.04	7.12	9.38	9.38	5.16	7.24	9.38	11.12
ES30	101777	4200*	3651	2.06	7.08	9.38	11.70	4.59	6.67	9.38	9.38	4.46	6.54	9.38	10.66
ES40	101778	3600*	5504	1.68	7.08	9.38	12.08	4.09	6.17	9.38	9.67	3.71	5.79	9.38	11.29
ES50	101779	3100*	7656	1.18	7.08	9.38	12.58	4.09	6.17	9.38	9.67	4.22	6.30	9.72	11.80
ES60	101780	2800*	12505	2.74	9.84	12.50	16.34	6.16	8.29	12.50	12.92	4.98	7.74	12.50	15.24
ES70	101781	2600*	22132	2.00	9.84	12.50	17.08	4.66	7.42	12.50	14.42	3.98	6.74	13.23	15.99
ES80	101782	1800*	39503	2.26	9.84	12.50	19.58	4.16	6.92	12.50	14.92	1.90	4.66	15.40	18.16

*Suffix R designates high-speed rings are included as standard offerings and required for sizes ES2-R - ES10-R.
* For sizes ES20 - ES80, high-speed rings are optional and sold separately. To achieve the max allowable speed of close-coupled couplings, the installation of high-speed rings is required.

Competitor interchange

Size	Close-coupled part numbers			Spacer part numbers		
	Dodge	Rexnord Omega	TB Woods Dura-Flex	Dodge	Rexnord Omega	TB Woods Dura-Flex
E2	015843	7300005	WE2	101771	7300075	WES2
E3	015844	7300010	WE3	101772	7300080	WES3
E4	015845	7300015	WE4	101773	7300085	WES4
E5	015846	7300020	WE5	101774	7300090	WES5
E10	015847	7300025	WE10	101775	7300095	WES10
E20	015848	7300030	WE20	101776	7300100	WES20
E30	015849	7300035	WE30	101777	7300105	WES30
E40	015850	7300040	WE40	101778	7300110	WES40
E50	015851	7300045	WE50	101779	7300115	WES50
E60	015852	7300050	WE60	101780	7300120	WES60
E70	015853	7300055	WE70	101781	7300125	WES70
E80	015854	7300060	WE80	101782	7300130	WES80
E100	015931	7300065	-	-	-	-
E120	015932	7300070	-	-	-	-
E140	015933	7300071	-	-	-	-