

ELASTOMERIC COUPLINGS

Metric 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

- Full metric offering including hardware, bore, and keyway
- 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 (Nm)	kW/100	Straight bore			Taper-Lock		
					RSB	Min bore (mm)	Max bore (mm)	TL	Max bore (mm)	Bushing
E2M	015973	6600	22	0.23	015249	-	25	-	-	-
E3M	015974	6600	42	0.44	015250	-	34	015207	25	1008
E4M	015975	6600	63	0.66	015251	-	42	015208	25	1008
E5M	015976	6600	105	1.1	015252	-	48	015209	32	1108
E10M	015977	6600	165	1.73	015253	-	55	015210	35	1310
E20M	015978	6600	261	2.73	015254	-	60	015211	42	1610
E30M	015979	5800	413	4.32	015255	-	75	015212	50	2012
E40M	015980	5000	622	6.51	015256	-	85	015213	65	2517
E50M	015981	4200	865	9.06	015257	-	90	015214	65	2517
E60M	015982	3800	1413	14.8	015258	-	105	015215	80	3020
E70M	015983	3600	2501	26.2	015259	-	120	015216	95	3535
E80M	015984	2000	4463	46.7	015260	-	155	015217	105	4040
E100M	015985	1900	9613	101	015261	64	171	015218	125	4535
E120M	015986	1800	19226	201	015262	74	190	015219	127	5040
E140M	015987	1500	38453	402	015263	83	229	015220	180	7060

*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 (Nm)	Straight bore					Taper-Lock				
				BSE hub	BSE (Nm)		Total length (mm)		BSE hub	BSE (mm)		Total length (mm)	
					Min	Max	Min	Max		Min	Max	Min	Max
ES2M-R*	013441	6600	22	015249	101.6	115.8	149.4	163.6	-	-	-	-	-
ES3M-R*	013442	6600	42	015250	85.6	140	184.2	216.2	015207	108.5	148.3	184.2	193.0
ES4M-R*	013443	6600	63	015251	76.7	140	184.2	225.3	015208	108.5	148.3	184.2	193.0
ES5M-R*	013444	6600	105	015252	73.2	140	184.2	228.9	015209	108.5	148.3	184.2	193.0
ES10M-R*	013445	6600	165	015253	66.5	140	184.2	235.5	015210	105.7	145.5	184.2	196.3
ES20M	013446	4800*	261	015254	70.1	180	238.3	289.6	015211	128.0	180.8	238.3	238.5
ES30M	013447	4200*	413	015255	52.3	180	238.3	297.2	015212	116.6	169.4	238.3	238.5
ES40M	013448	3600*	622	015256	42.7	180	238.3	306.8	015213	103.9	156.7	238.3	245.6
ES50M	013449	3100*	865	015257	30.0	180	238.3	319.5	015214	103.9	156.7	238.3	245.6
ES60M	013450	2800*	1413	015258	69.6	250	317.5	415.0	015215	156.5	210.6	317.5	328.2
ES70M	013451	2800*	2501	015259	50.8	250	317.5	433.8	015216	118.4	188.5	317.5	366.3
ES80M	013452	1800*	4463	015260	57.0	250	317.5	497.3	015217	105.7	175.8	317.5	379.0

*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
ES2M-R	015973	7300005M	WE2M	013441	7300075M	WES2M
ES3M-R	015974	7300010M	WE3M	013442	7300080M	WES3M
ES4M-R	015975	7300015M	WE4M	013443	7300085M	WES4M
ES5M-R	015976	7300020M	WE5M	013444	7300090M	WES5M
ES10M-R	015977	7300025M	WE10M	013445	7300095M	WES10M
ES20M	015978	7300030M	WE20M	013446	7300100M	WES20M
ES30M	015979	7300035M	WE30M	013447	7300105M	WES30M
ES40M	015980	7300040M	WE40M	013448	7300110M	WES40M
ES50M	015981	7300045M	WE50M	013449	7300115M	WES50M
ES60M	015982	7300050M	WE60M	013450	7300120M	WES60M
ES70M	015983	7300055M	WE70M	013451	7300125M	WES70M
ES80M	015984	7300060M	WE80M	013452	7300130M	WES80M
ES100M	015985	7300065M	WE100M	-	-	-
ES120M	015986	7300070M	WE120M	-	-	-
ES140M	015987	7300071M	WE140M	-	-	-