



Couplings

# Dodge Raptor

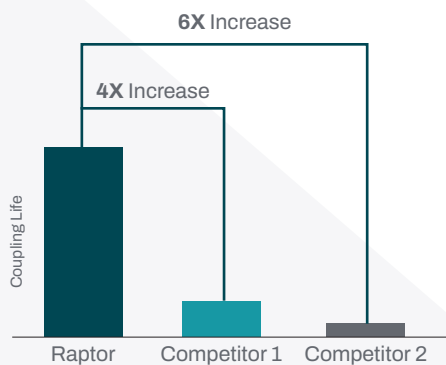
## Engineered for longer life and improved reliability

The Raptor's patented split, natural rubber element is easy to assemble. It significantly decreases total cost of ownership and extends driven equipment life. The element's WingLock technology delivers higher bond strength, improves fatigue resistance, and features longer life versus competitive urethane designs. The natural rubber material reduces stiffness, improves vibration damping, and leads the industry in misalignment capabilities.

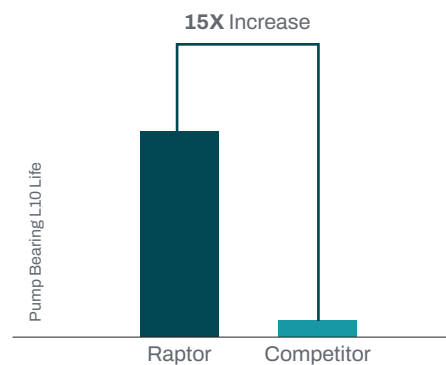


## Industry-leading 5-year limited warranty

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



Results based on accelerated life testing at 1.5x catalogued torque, while subject to 4° angular misalignment and 3/16 in parallel misalignment.



E2, with service factor of 1.1 at 4" misalignment on bearings with dynamic capacity of 6,070 lbs.

## Documented performance

Comparative benchmark testing confirms the performance improvement associated with Raptor's WingLock element design. Even under worst-case misalignment and torque conditions, test results show that the Raptor lasts up to six times longer than the closest competitor.

## Lower stiffness, longer driven equipment life

Because the Raptor element uses a natural rubber compound, it is significantly more flexible than urethane designs. Natural rubber yields an element with 50% lower torsional and bending stiffness, resulting in longer life for all types of connected driven equipment.

## Elastomeric coupling innovation

### Natural rubber WingLock element

- Higher bond strength, improved fatigue resistance, and documented longer life
- Industry-leading misalignment capabilities

### Longer driven equipment life

- Rigorously tested to 10X DIN 741 coupling standards
- Significantly lower torsional and bending stiffness
- Up to 15X increase in connected L10 bearing life
- Grade 8 hardware offers a 40% increase in proof strength

### Easier installation

- Slotted clamp ring holes offer 187% more hardware clearance
- Drop-in interchange

### Flexible mounting options

- Close-coupled and spacer designs
- Finished bore hubs with setscrew locking for easy installation
- Taper-lock bushed hubs for clean, compact installation
- Bores up to 9 in

## Coupling interchange

Size	Close coupled Part Numbers			Spacer Part Numbers & Max BSE (Between Shaft Ends)							
	Dodge	Rexnord Omega	TB Woods Dura-Flex	Dodge Half-Spacer	Max BSE (in)	Dodge Full-Spacer	Max BSE (in)	Rexnord Omega	Max BSE (in)	TB Woods Dura-Flex	Max BSE (in)
E2	015843	7300005	WE2	017182	3.01	017064	4.12	7300075*	4.00	WES2*	4.04
E3	015844	7300010	WE3	017183	3.43	017065	5.51	7300080*	5.00	WES3*	5.02
E4	015845	7300015	WE4	017184	3.43	017066	5.51	7300085*	5.00	WES4*	5.00
E5	015846	7300020	WE4	017185	3.68	017067	5.51	7300090*	5.00	WES5*	5.00
E10	015847	7300025	WE10	017186	3.68	017068	5.51	7300095*	5.00	WES10*	5.00
E20	015848	7300030	WE20	017187	5.20	017069	7.74	7300100	7.00	WES20	7.05
E30	015849	7300035	WE30	017188	5.42	017070	7.86	7300105	7.00	WES30	7.03
E40	015850	7300040	WE40	017189	5.46	017071	7.63	7300110	7.00	WES40	6.89
E50	015851	7300045	WE50	017190	6.32	017072	8.72	7300115	7.00	WES50	6.81
E60	015852	7300050	WE60	017191	7.38	017073	10.52	7300120	9.75	WES60	9.78
E70	015853	7300055	WE70	017192	7.80	017074	10.80	7300125	9.75	WES70	9.57
E80	015854	7300060	WE80	017193	11.28	017075	15.88	7300130	9.75	WES80	9.77
E100	015931	7300065	WE100	-	-	-	-	-	-	-	-
E120	015932	7300070	WE120	-	-	-	-	-	-	-	-
E140	015933	7300071	WE140	-	-	-	-	-	-	-	-

\*Furnished with high speed rings

