



COUPLINGS

RAPTOR

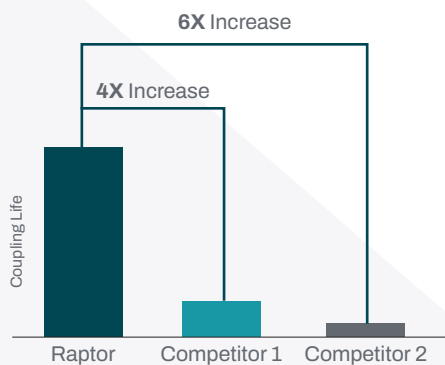
Engineered for longer life and improved reliability

The Dodge 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.

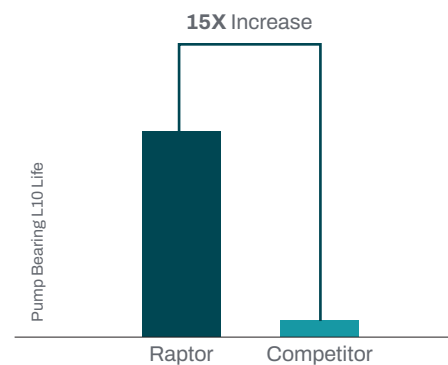


Industry-leading 5-year limited warranty

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

