

Dura-Flex® Couplings

Dura-Flex is a flexible coupling consisting of two hubs and a two-piece axially split flex element. The flex element features a tire-shaped polyurethane flexing portion permanently bonded to stamped steel "shoes" that attach to the shaft mounted hubs with radially oriented Capscrews.

FEATURES & BENEFITS

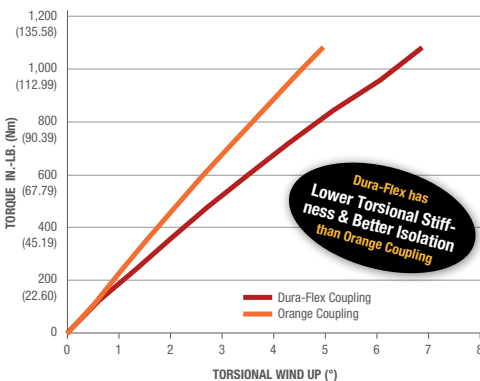
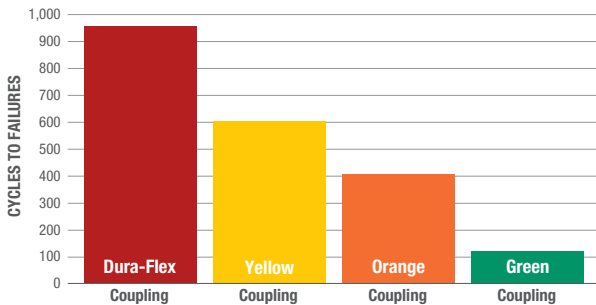
- Up to 39,500 in.lb.; 4.50 kNm;
- Easy to assemble/replace
- High misalignment ratings
- No maintenance/lubrication
- Better performance in hot / humid environments
- Versatile spacer design can accommodate many configurations with few parts
- Easy two-piece element installation. No need to move the hubs during replacement.
- Light weight element absorbs shock loading and torsional vibration.
- Superior urethane that provides longer life in hot and humid environments
- Patented bond design that provides longer life in demanding applications (frequent stop/starts, torque spikes, etc)
- Part for part interchange with industry standard design
- 5-15 times stronger than competitor's product in 180°F water vapor



PRIMARY END MARKETS

- General industrial e.g., Pumps, Compressors, Wastewater
- Petrochemical
- Oil and Gas
- Commercial HVAC and building services
- Refrigeration (compressors)
- Metals e.g., Roll out tables

Fatigue Test - 2 Weeks 180°F (82°C) H2O Vapor

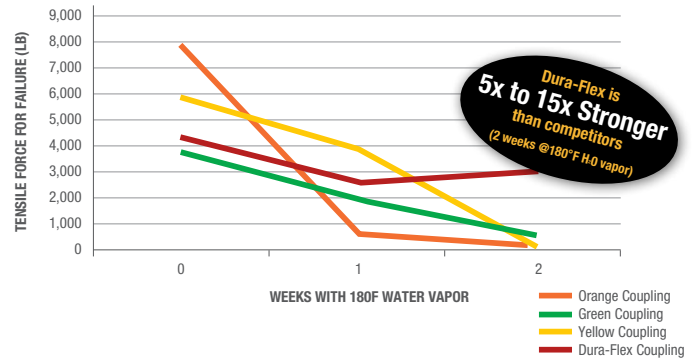


Dura-Flex has Lower Torsional Stiffness & Better Isolation than Orange Coupling

The Dura-Flex elastomer coupling has been proven to optimize torque transmission, while minimizing parallel, angular, and axial stiffness.

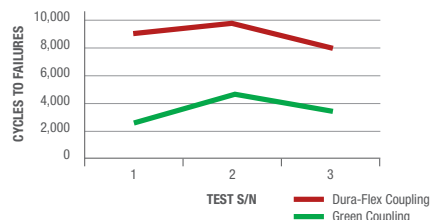
Remember the 3 L's:
Lower Stiffness = **L**ess bearing loads = **L**onger equipment life

Tensile Test



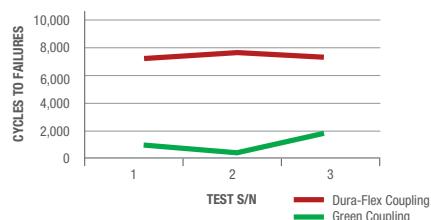
Dura-Flex is 5x to 15x Stronger than competitors (2 weeks @ 180°F H₂O vapor)

Stop Start Test Cycles (Aligned)



When a new, out-of-the-box, Dura-Flex coupling and a green coupling were subjected to a stop-start cycle test, Dura-Flex was 2X –100X better.

Stop Start Test Cycles (2° Mis-Aligned)



Dura-Flex outlasted the competitor in the cycle testing with up to 2 degrees of shaft misalignment.