Dura-Flex by TB Wood’s

Dura-Flex couplings “split-in-half” element design allows for easy element installation/replacement without moving connected equipment or disturbing the shaft connection. Spacer design can accommodate a large range of shaft spacing with few parts. Patented design minimizes bond stress for long coupling life. Highly flexible and able to accommodate shaft misalignment while minimizing vibration and preventing damage to connected equipment.

- Easy to assemble/replace
- High misalignment ratings
- No maintenance/lubrication
- Part-for-part interchangeable with industry standard design
- In-stock versatile spacer design can accommodate many configurations with few parts

Results show...
Dura-Flex is 1.5x – 7.5x better in a low cycle fatigue life test then its competitor

What is fatigue in a coupling?
Fatigue occurs when a coupling is subjected to repeated loading and unloading, like the stopping and starting of a pump.

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

![Graph showing cycles to failures for Dura-Flex, Yellow, Orange, and Green couplings. Dura-Flex has the highest number of cycles to failure.]
How does the torsional stiffness of a coupling affect my equipment?
Lower stiffness equals lower vibration and isolation

Dura-Flex Features

**Tensile Strength**: 5X – 15X stronger in water vapor

**Shelf Life**: Greater than 5 years

**Bond**: 15 years proven field performance

**Inventory**: Three of our competitors products can’t match the performance of one Dura-Flex

**Cost**: Lower cost and better performance than green coupling

**Quality**: High quality control on materials produces a more consistent, reliable coupling

**Weight**: Lower flex element weight by design

**Material**: Polyether material is better than competitor’s polyester material

**Easy Installation**: Easy flex element replacement without moving hubs or connected equipment

**Versatility**: Part-for-part interchange with industry standard design

**Options**: Bore-to-size (BTS), Sure-Grip bushed (QD), Taper-Lock hubs and full metric coupling sizes available

**Cap Screws**: SAE j-429 hex-flange bolts with serrated head

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** = **Less** bearing loads = ** Longer** equipment life