# PARA-FLEX® G-Series Couplings

DODGE®


BALDOR®


PARA-FLEX

# The Versatile, Reliable Problem Solvers

**What's in a name? If it's the DODGE PARA-FLEX G-Series, it's greater bore capacity, greater torque ratings, and greater cost savings!**

Offering three flange styles, larger bore sizes, higher torque ratings, plus all the outstanding features, benefits and cost-saving advantages of our proven DODGE PARA-FLEX technology – DODGE PARA-FLEX G-Series is the most technologically superior elastomeric coupling on the market.

With the DODGE PARA-FLEX G-Series couplings, you can specify a smaller, less expensive coupling with the same capabilities as a larger more expensive one. You can downsize your couplings, hold less inventory while reducing installation and maintenance costs - and still have the reliability and performance you need.

Plus, no other coupling line can offer you the same outstanding misalignment and vibration handling capabilities as the DODGE PARA-FLEX G-Series. With the problem solving element - the only one on the market with prorated five-year warranty - PARA-FLEX G-Series couplings can accommodate concurrent angular, parallel, and axial misalignment better than any other elastomeric couplings, as well as ensure fast, easy installation on misaligned shafts.

The DODGE PARA-FLEX G-Series can be specified via an online coupling selection program: COUPLE. All you have to do is log onto www.dodge-pt.com, register, and you have ready access to the most user-friendly coupling selection site on the internet. Put the DODGE PARA-FLEX G-Series couplings to work in your toughest applications and processes. You'll see greater reliability and performance long after other couplings have failed.


*PARA-FLEX GFB*
*Finished Bore*


*PARA-FLEX GTL*
*with TAPER-LOCK® Bushing*

# Advantages over other Elastometric Couplings

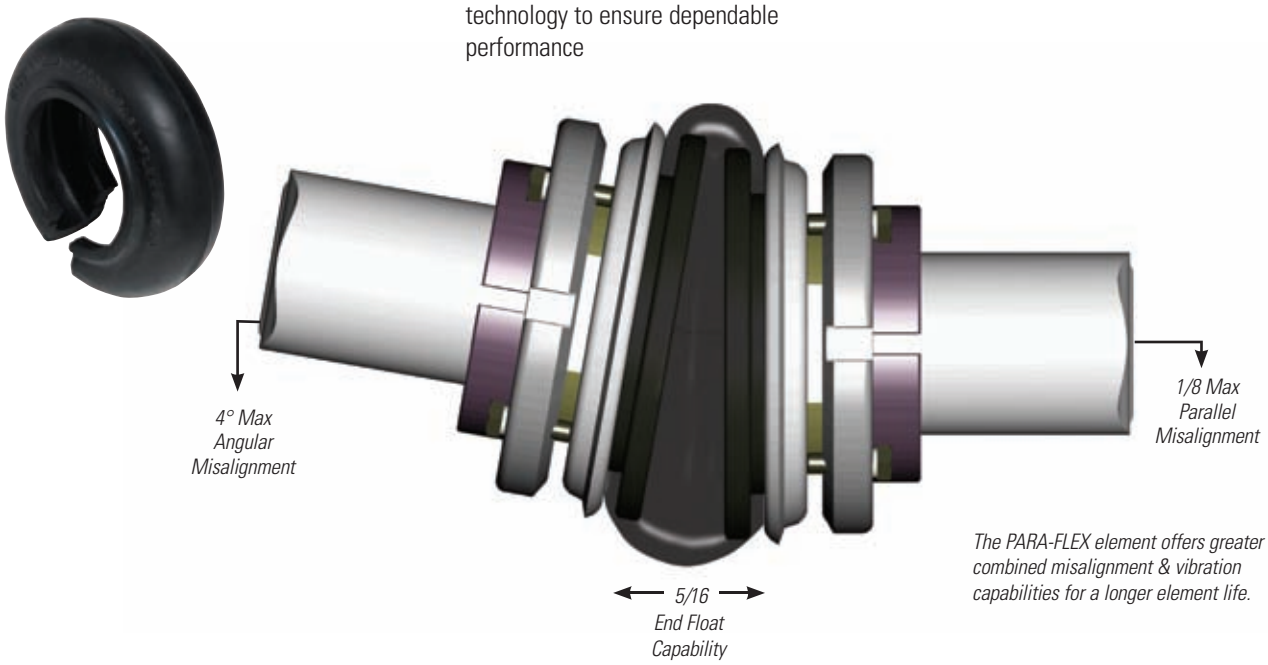
## Why Dodge Para-Flex G-Series Couplings are Superior to Other Elastomeric Couplings

### Unique Problem-Solving Element

Incorporating 50+ years of DODGE development and design, the PARA-FLEX problem solver element offers higher torque ratings (compared with competitive elements) and features a reinforced tire cord that prevents catastrophic failure.

- Torsionally soft rubber dampens vibrations and alleviates shock loads
- Reinforced tire cord helps prevent untimely catastrophic failures
- Uniform, centered beads prevent tire from separating from flange
- Fabric (centered throughout the rubber) increases tire life

- End split reinforcement increases torque rating, reduces element fatigue
- Large installed base utilizes proven technology to ensure dependable performance
- Element offers greatest combined misalignment and vibration capabilities for longer life
- Less service factor than comparably sized competitive elements
- Fast, easy installation on misaligned shafts




*The PARA-FLEX element offers greater combined misalignment & vibration capabilities for a longer element life.*

## Dodge Para-Flex G-Series Provides Advantages over Many Polyurethane Tire Couplings in the Following Areas:

- Size-for-Size Torque Capability of PX G-Series
- Size-for-Size Bore Capacity of PX G-Series
- Overall Durability
- Temperature Rating
- Shock Load and Vibration Dampening
- Misalignment Capability / Torsional Flexibility
- Mechanical Clamping vs. Chemical Bonding
- Wear Indication prior to Replacement
- Warranty: 5-Year Prorated Warranty on PX Elements
- Element Replacement Cost
- UP FRONT COST / LONG-TERM VALUE

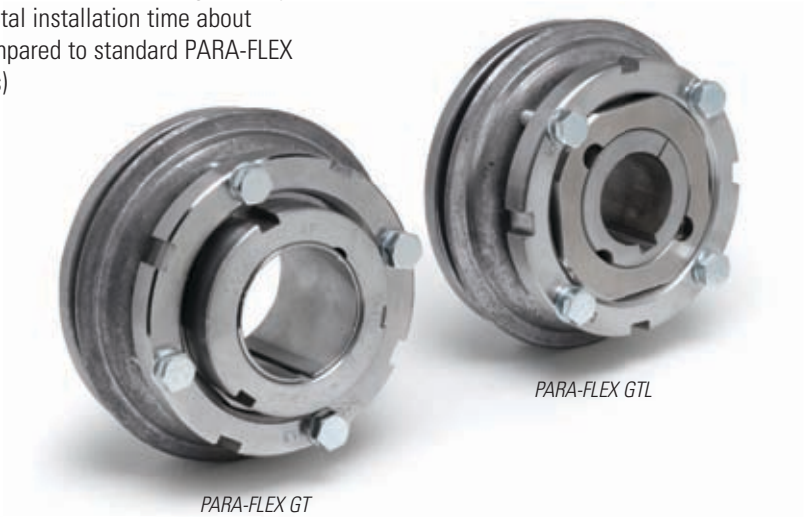
# Design Flexibility and Versatility

### Three flange designs

DODGE PARA-FLEX G-Series flanges have been engineered to allow for downsizing to a smaller coupling and help contribute to an overall reduction in installation and maintenance costs.

- Fewer Parts
  - Internal clamp ring is integrated with flange hub to reduce parts
  - Micro-mount nut replaces flange bolts
- Faster, Easier Installation
  - Micro-mount bolts and locking nut help reduce total installation time about 35% (compared to standard PARA-FLEX couplings)
- Higher Torque Ratings
  - Micro-mount bolts and locking nut also improve clamping of the element for increased torque ratings
- Preassembled with fewer parts

*PARA-FLEX G-Series coupling's locking nut allows for quick and easy element installation and replacement*

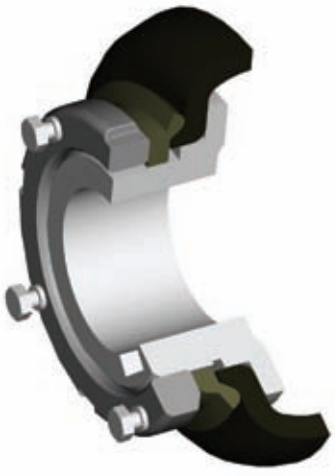


*PARA-FLEX GTL*

*PARA-FLEX GT*

### Taper-Lock (GTL)

The PARA-FLEX G-Series TAPER-LOCK flange can accommodate larger shaft bores because it accepts larger TAPER-LOCK bushings than same-size traditional TAPER-LOCK flanges. Use of bushings helps reduce inventory and prevent shaft damage and/or fretting corrosion.



### Finished Bore (GFB)

This slip-fit, straight-bore solution offers a variety of performance advantages, including the largest bore size capability of any PARA-FLEX flange. It requires less shaft length than traditional PARA-FLEX Finished Bore flanges, plus it features two setscrews at 65° angles.

### Grip-Tight (GT)

This PARA-FLEX G-Series flange also accepts greater shaft bores via its GRIP-TIGHT bushing with "thin wall" adapters. It offers the largest bushed bore sizes and features the patented GRIP-TIGHT keyless bushing system for a full 360° concentric grip on the shaft.

# PARA-FLEX G-SERIES VALUE

## COST-SAVING PERFORMANCE ADVANTAGES

### Coupling Downsizing

PARA-FLEX G-Series allows larger bore sizes to be used in smaller couplings. The element locking nut allows for greater torque ratings to be achieved. That means a smaller, less expensive PARA-FLEX G-Series coupling has the same capabilities as a larger, more expensive coupling.

### Developed Specifically to Reduce Inventory Requirements

PARA-FLEX G-Series couplings are designed to reduce inventory substantially because, size for size, the available Dodge offerings replace a much wider range of competitive couplings. Also, TAPER-LOCK (TL) and GRIP TIGHT (GT) bushings minimize the requirement of maintaining flange inventory.

### Best Warranty in the Industry

PARA-FLEX G-Series couplings are engineered with only the highest quality materials and are manufactured using ISO certified processes. For that reason, the PARA-FLEX "problem solver" elements carry a pro-rated five-year warranty*—better than any other coupling element currently on the market.

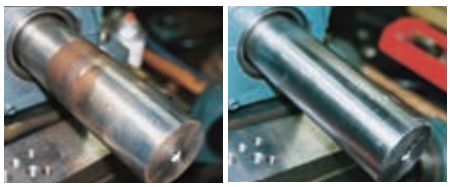
** See DODGE Warranty for details*

### Superior Misalignment and Vibration Capability

Only the PARA-FLEX "problem-solver" element offers the highest, across-the-board handling of angular, parallel, and end-float misalignment problems. The "problem solver" among couplings, it can accommodate many applications and unexpected process problems without having to provide inflated service factors or a larger coupling.

### Preventing shaft damage reduces maintenance & installation time

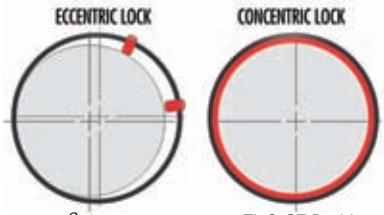
TAPER-LOCK (TL) & GRIP TIGHT (GT) bushings prevent shaft setscrew marks and fretting corrosion experienced with setscrew applications. This reduces shaft maintenance and coupling flange installation and removal time.



*The left photo shows shaft fretting corrosion & setscrew scarring as compared to the bushed (TL or GT) shaft on the right which shows no shaft fretting corrosion & scarring.*

### Reducing Shaft Vibration

TAPER-LOCK (TL) & GRIP TIGHT (GT) bushings promote concentric contact to the shaft, unlike setscrew applications which provide eccentric shaft connections which induce vibrations.




*Setscrew Application* *TL & GT Bushing Application*


PARA-FLEX® PX-5

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