



SPECIFICATION/HOW TO ORDER/NOMENCLATURE



PARA-FLEX

SPECIFICATION

PARA-FLEX Couplings employ a molded, non-lubricated elastomeric flexing member loaded in shear. The flexible member is compounded natural or neoprene rubber with textile cord reinforcement throughout and has an extra layer of reinforcement adjacent to the split for added durability. The compound of natural rubber element shall be suitable for operation in ambient temperature from -45°F to +180°F; Neoprene -40°F to +210°F.

The flexible element is attached by clamping between axially separable rings with exposed SAE grade 8 cap screws⁴. The couplings are designed to be capable of accommodating combined misalignments¹ of 4° angular, 1/8" parallel, and 5/16" end float at the full rating of the coupling without restricting the rating or life of the coupling. The flexible element must be replaceable without disturbing the coupled equipment and without the requirement for realignment.

The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

Spacer Couplings consist of two hubs and a pre-assembled center assembly. The center assembly is readily removable to facilitate maintenance on pumps or other connected equipment and must be replaceable without disturbing the coupled equipment and without realignment.

¹ PX40: 4° angular, 1/16" parallel, 3/16" end float.

² PX110: 4° angular, 1/8" parallel, 1/4" end float.

³ PH & PF: 1° angular, 1/16" parallel, 3/16" end float.

⁴ FBX style couplings utilize class 10.9 metric cap screws.

HOW TO ORDER

Standard couplings consist of:

- (2) Flange Assemblies
- (1) Flexible Element

Spacer Couplings consist of:

- (2) Hubs
- (1) Center Assembly

NOMENCLATURE



PARA-FLEX ———— **PX** **40** **FBX**

X = Standard
S = Spacer
H = High Speed
F = Flywheel

Size (PX, PS only) ex.: Approx. 4" O.D. ————

FBX = Straight Bore, Extra Capacity
FBS = Straight Bore, Short Series
TL = TAPER-LOCK®
BBS = Bored-To-Size, Steel
TBS = One Taper Bored, one Bored-To-size, Steel
BBPS = BBS, Piloted for Floating Shaft
TBPS = TBS, Piloted for Floating Shaft