



Drive Couplings

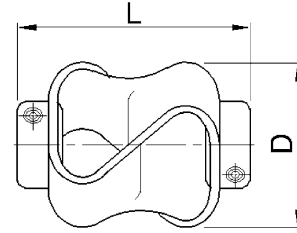
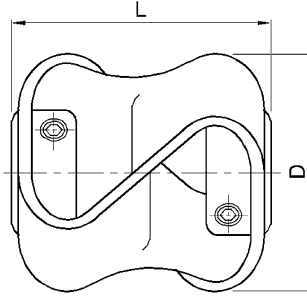
- Flexible Double Loop
- Flexible Jaw (Spider)

General purpose couplings for light power drives.



Flex-P

Double Loop Flexible Coupling



DIMENSIONS & ORDER CODES

| Size | Steel screws | Stainless steel screws | Dimensions | | | | | Fasteners | | |
|------|--------------|------------------------|-----------------------|---------------------------|----------------------|--------------|----------------|-----------|---------------------|--------------|
| | Order Code | | Max Diameter in. (mm) | Length L in. (+/- 1.0 mm) | Bore length in. (mm) | Max Bores mm | Mass kg x 10-3 | Size | Torque lb.-in. (Nm) | A/F in. (mm) |
| 10 | 047.10 | - | 1.06 (27) | 1.06 (27) | 0.31 (7.9) | 9.53 | 25 | M3 | 8.3 (0.9) | 0.17 (1.5) |
| | - | 049.10 | | | | | | | 2.8 (0.3) | |
| 20 | 047.20 | - | 1.89 (48) | 1.89 (48) | 0.50 (12.7) | 12.7 | 92 | M4 | 19 (2.2) | 0.23 (2.0) |
| | - | 049.20 | | | | | | | 17 (2.0) | |
| 30 | 047.30 | - | 2.13 (54) | 2.17 (55) | 0.63 (16.0) | 16.0 | 124 | M5 | 40 (4.6) | 0.28 (2.5) |
| | - | 049.30 | | | | | | | 18 (2.1) | |
| 40 | 047.40 | - | 2.20 (56) | 2.20 (56) | 0.63 (16.0) | 16.0 | 136 | M6 | 67 (7.6) | 0.34 (3.0) |
| | - | 049.40 | | | | | | | 32 (3.7) | |

PERFORMANCE

| Size | Max Torque 1 lb.-in. (Nm) | Max Torque 2 lb.-in. (Nm) | max misalignment/displacement | | |
|------|---------------------------|---------------------------|-------------------------------|-----------------|--------------------|
| | | | Angular deg | Radial in. (mm) | Axial in. (+/- mm) |
| 10 | 4.43 (0.5) | 7.08 (0.8) | 10 | 0.10 (2.6) | 0.18 (4.5) |
| 20 | 15.9 (1.8) | 26.6 (3) | 15 | 0.13 (3.2) | 0.30 (7.5) |
| 30 | 44.3 (5) | 70.8 (8) | 15 | 0.13 (3.2) | 0.33 (8.5) |
| 40 | 88.5 (10) | 159.3 (18) | 15 | 0.13 (3.2) | 0.43 (11) |

Torque 1 = torque at maximum displacement
 Torque 2 = torque at 1 deg. angular, 2mm axial and 0.5mm radial displacement

Materials & Finishes

Hubs: Stainless Steel 304 [1.4301] natural finish
Flexing Element: Hytrel
Fastener: 047 Type: Alloy steel, black oiled
 049 Type: Stainless steel

Temperature Range

-40°F to +212°F (-40°C to +100°C)

Maximum Rotational Speed

3000 rev/min

STANDARD BORES*

Sizes indicated in parenthesis are metric (mm).

| Size | ØB1, ØB2 +0.002/ -0 (+0.05mm/-0mm) | | | | | | | | | | | | | | | | |
|-----------------|------------------------------------|------|-----|-------|-----|-----|------|-------|-----|------|------|------|------|------|------|------|------|
| | (3) | 1/8" | (4) | 3/16" | (5) | (6) | 1/4" | 5/16" | (8) | 3/8" | (10) | (12) | 1/2" | (14) | (15) | 5/8" | (16) |
| 10 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 20 | | | | | | ● | ● | ● | ● | ● | ● | S | S | | | | |
| 30 | | | | | | | | | | ● | ● | ● | ● | S | S | S | S |
| 40 | | | | | | | | | | ● | ● | ● | ● | S | S | S | S |
| Bore Ref | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 27 | 28 | 31 | 32 | 35 | 36 | 38 | 40 | 41 | 42 |

* Couplings with dissimilar bores are non-standard
 S = Plain bore only, keyway no permissible size 10