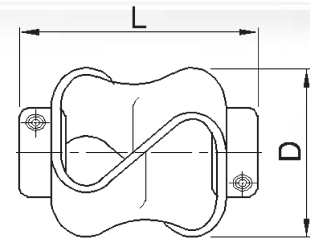
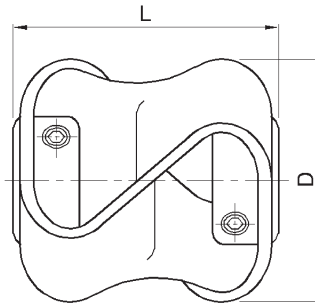
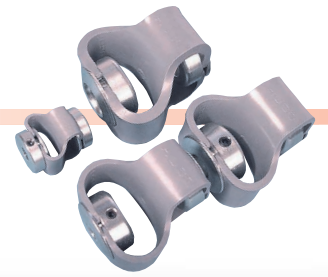


# Flex - P Double Loop Flexible Coupling



## DIMENSIONS & ORDER CODES

| Size | steel zinc plated hubs | stainless steel hubs | Dimensions   |                  |             |           |                | Fasteners |             |          |
|------|------------------------|----------------------|--------------|------------------|-------------|-----------|----------------|-----------|-------------|----------|
|      | Order Code             |                      | Max Diameter | Length L +/- 1.0 | Bore length | Max Bores | Mass kg x 10-3 | Size      | Torque (Nm) | A/F (mm) |
| 10   | 047.10                 | -                    | 27           | 27               | 7.9         | 9.53      | 25             | M3        | 0.94        | 1.5      |
|      | -                      | 049.10               |              |                  |             |           |                |           | 0.32        |          |
| 20   | 047.20                 | -                    | 48           | 48               | 12.7        | 12.7      | 92             | M4        | 2.27        | 2.0      |
|      | -                      | 049.20               |              |                  |             |           |                |           | 2.0         |          |
| 30   | 047.30                 | -                    | 54           | 55               | 16.0        | 16.0      | 124            | M5        | 4.62        | 2.5      |
|      | -                      | 049.30               |              |                  |             |           |                |           | 2.1         |          |
| 40   | 047.40                 | -                    | 56           | 56               | 16.0        | 16.0      | 136            | M6        | 7.61        | 3.0      |
|      | -                      | 049.40               |              |                  |             |           |                |           | 3.75        |          |
| 40*  | -                      | 050.40               | 56           | 56               | 16.0        | 16.0      | 136            | M6        | 7.61        | 3.0      |

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## PERFORMANCE

| Size | Max Torque 1 (Nm) | Max Torque 2 (Nm) | max misalignment/displacement |           |              |
|------|-------------------|-------------------|-------------------------------|-----------|--------------|
|      |                   |                   | Angular deg                   | Radial mm | Axial +/- mm |
| 10   | 0.5               | 0.8               | 10                            | 2.6       | 4.5          |
| 20   | 1.8               | 3                 | 15                            | 3.2       | 7.5          |
| 30   | 5                 | 8                 | 15                            | 3.2       | 8.5          |
| 40   | 10                | 18                | 15                            | 3.2       | 11           |
| 40*  | 2.5               | 4.5               | 15                            | 3.2       | 11           |

Torque 1 = torque at maximum displacement

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

## Materials & Finishes

Hubs: Steel 230M07 pb Zn plated + clear passivate or  
Stainless Steel 303 S31 natural finish

Flexing Element: Hytrel

Fastener: Steel Hub: Alloy steel, black oiled  
Stainless Steel Hub: stainless steel

## Temperature Range

-40°C to +100°C

## Maximum Rotational Speed

3000 rev/min

## STANDARD BORES\*

| Size     | +0.05/-0mm |       |    |       |    |    |       |       |    |       |    |    |        |    |    |        |    |
|----------|------------|-------|----|-------|----|----|-------|-------|----|-------|----|----|--------|----|----|--------|----|
|          | 3          | 3.175 | 4  | 4.763 | 5  | 6  | 6.350 | 7.938 | 8  | 9.525 | 10 | 12 | 12.700 | 14 | 15 | 15.875 | 16 |
| 10       | ●          | ●     | ●  | ●     | ●  | ●  | ●     | ●     | ●  | ●     | ●  |    |        |    |    |        |    |
| 20       |            |       |    |       |    | ●  | ●     | ●     | ●  | ●     | ●  | ●  | ●      |    |    |        |    |
| 30       |            |       |    |       |    |    |       |       |    | ●     | ●  | ●  | ●      | ●  | ●  | ●      | ●  |
| 40       |            |       |    |       |    |    |       |       |    | ●     | ●  | ●  | ●      | ●  | ●  | ●      | ●  |
| 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