

Loop-Couplings – Metric



Construction

The Loop-Coupling is made of double-loop ELASTACAST® polyurethane elastomeric material assembled to zinc plated steel hubs. The crimping process is done by specialized equipment which guarantees the perfect crimp required for long life and excellent performance. The hubs mount to shafts using Allen screws.

Hub Features

- Annealed steel for maximum strength
- Stainless steel also available
- Zinc plated to resist corrosion
- Rounded corners prevent cutting
- Precision swaged mechanical crimp
- Makes use of standard size set screws
- AGMA class 2 bore tolerance: $-0 +0.05\text{mm}$
- Keyways available to order

Element Features

- Polyurethane material is cut and tear resistant
- Unique design configuration provides maximum flexibility
- Generous radius for added strength
- Full wrap-around design holds securely to hub



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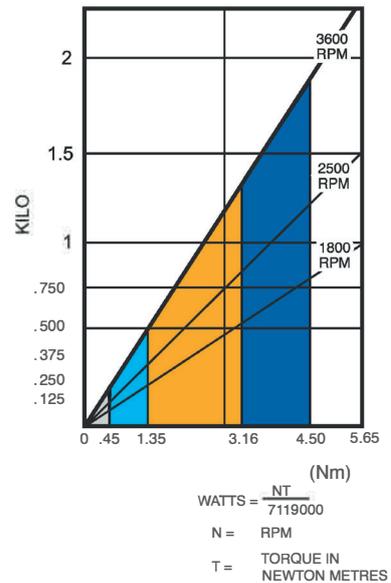
Easy to Select, Even Easier to Mount Steps to follow in selecting your Loop-Coupling

1. Determine the horsepower (torque) requirement of your application. Allow for peak start/stop torque. Make sure the torque requirement is within the Loop-Coupling rating limits. See tables.
2. Determine the amount of space available for installing the coupling. Compare this with the hub-to-hub and outside loop dimensions shown.
3. Consider the shaft sizes involved and the amount of space between them, because the required bore size on one hub sometimes differs from the other.
4. Predetermine the maximum degree of angular and parallel misalignment for which the coupling will have to compensate. Be sure your requirements are within the recommended limits.
5. Decide whether a keyway will really be necessary. If so, they are available at extra cost.
6. Standard keyways: 3 mm for 12 mm shafts and 5 mm for 14 mm, 15 mm and 16 mm shafts.
7. Recommended continuous operating temperature for the Loop-Coupling is 18°C to 83°C in many atmospheres, however consideration must be given to exposure to solvents, chemicals, acids and gases.

| Bore Sizes | |
|------------|------|
| 3mm | 3mm |
| 4mm | 4mm |
| | 5mm |
| | 6mm |
| 5mm | 5mm |
| 6mm | 6mm |
| | 8mm |
| 8mm | 8mm |
| 4mm | 4mm |
| 6mm | 6mm |
| | 8mm |
| 8mm | 8mm |
| | 10mm |
| 10mm | 10mm |
| | 12mm |
| 11mm | 11mm |
| 12mm | 12mm |

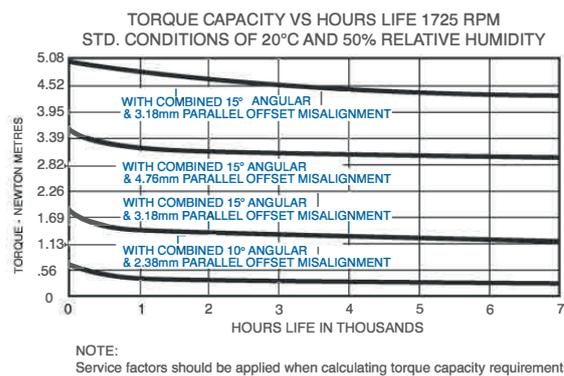
| Bore Sizes | |
|------------|------|
| 6mm | 6mm |
| | 8mm |
| 8mm | 8mm |
| | 10mm |
| 10mm | 10mm |
| | 12mm |
| 12mm | 12mm |
| 14mm | 14mm |
| | 15mm |
| 15mm | 15mm |
| | 16mm |
| 6mm | 6mm |
| 8mm | 8mm |
| | 10mm |
| 10mm | 10mm |
| | 12mm |
| 12mm | 12mm |
| 14mm | 14mm |
| 15mm | 15mm |
| 16mm | 16mm |

KILO WATTS - TORQUE



| | A | B | C | D | Set Screw | Capacity |
|--|---|--------|--------|-------|-----------|---|
| | 28mm | 28mm | 17.5mm | 1.5mm | M3.5 | .34Nm Max. misalignment 10° Angular 2.38mm Parallel |
| | AVAILABLE IN BORE SIZES OF 4mm, 5mm, 6mm, 8mm, 10mm | | | | | |
| | 47.5mm | 44.5mm | 25.5mm | 9.5mm | M.5 | 1.36Nm Max. misalignment 15° Angular 3mm Parallel |
| | AVAILABLE IN BORE SIZES OF 6mm, 8mm, 10mm, 12mm, 14mm | | | | | |
| | 54mm | 54mm | 28.5mm | 11mm | M.6 | 3.16Nm Max. misalignment 15° Angular 4.75mm Parallel |
| | 54mm | 60mm | 28.5mm | 9.5mm | M.6 | 4.52Nm Max. misalignment 15° Angular 3mm Parallel |
| | AVAILABLE IN BORE SIZES OF 12mm, 14mm, 16mm | | | | | |

* Dimension at widest diagonal points



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