



RIGID COUPLINGS

TAPER-LOCK Rigid

TAPER-LOCK RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Flanged Rigid Couplings consist of two flanges joined by bolts and are taper bored for TAPER-LOCK bushings to connect shafts of the same or different diameters.

HOW TO ORDER

TAPER-LOCK consist of:
(1) Male Flange Assembly
(1) Female Flange

NOMENCLATURE

T-L Rigid R 35
Size _____
(Designated size of TAPER-LOCK Bushing)

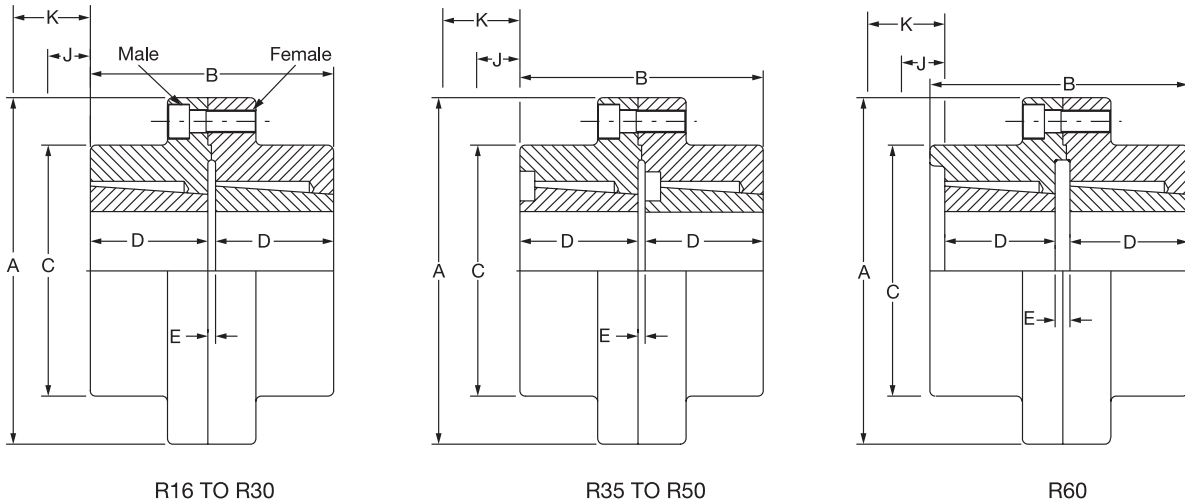
NOTE: Instruction manuals for TAPER-LOCK Bushings available on www.baldor.com

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SELECTION/DIMENSIONS

TAPER-LOCK RIGID



R16 TO R30

R35 TO R50

R60

| Size | Bushing Size | Min. Bore | Max. Bore | HP/100 | Torque (In Lb)** | Max. RPM | A | B | C | D | E | J* | K† | Weight (Lbs.) |
|------|--------------|-----------|-----------|--------|------------------|----------|-------|-------|-------|------|------|------|------|---------------|
| R16 | 1615 | 1/2 | 1-11/16 | 8.0 | 5,050 | 4965 | 5.00 | 3.25 | 3.25 | 1.50 | 0.25 | 0.81 | 1.06 | 8.00 |
| R25 | 2517 | 1/2 | 2-11/16 | 29.2 | 18,400 | 3545 | 7.00 | 3.75 | 5.00 | 1.75 | 0.25 | 1.00 | 1.63 | 19.10 |
| R30 | 3030 | 15/16 | 3-1/4 | 50.5 | 31,800 | 2920 | 8.50 | 6.25 | 5.75 | 3.00 | 0.25 | 1.19 | 2.06 | 38.10 |
| R35 | 3535 | 1-3/16 | 3-15/16 | 80.0 | 50,500 | 2545 | 9.75 | 7.25 | 7.00 | 3.50 | 0.25 | 1.31 | 2.69 | 62.20 |
| R40 | 4040 | 1-7/16 | 4-7/16 | 120 | 75,500 | 2115 | 11.75 | 8.25 | 8.50 | 4.00 | 0.25 | 1.63 | 3.38 | 105.60 |
| R45 | 4545 | 1-15/16 | 4-15/16 | 170 | 107,000 | 1910 | 13.00 | 9.25 | 9.50 | 4.50 | 0.25 | 1.94 | 4.06 | 146.70 |
| R50 | 5050 | 2-7/16 | 5-5/16 | 233 | 147,000 | 1740 | 14.25 | 10.25 | 10.50 | 5.00 | 0.25 | 2.31 | 4.81 | 194.40 |
| R60 | 6050 | 3-7/16 | 6 | 404 | 254,500 | 1240 | 20.00 | 13.25 | 16.00 | 5.00 | 1.75 | 1.63 | 4.38 | 526.70 |

* Space required to tighten bushing with shortened hex key in bushings 1615 through 5050. 6050 uses standard wrench. Also space required to loosen screws to permit removal of hub by a puller

† Space required to loosen bushing using screws as jack screws-no puller required. Use shortened hex key for bushing 1615 through 5050. 6050 uses standard wrench

** Ratings are based on uniform, non-reversing type loads. For more severe conditions, consult DODGE



TAPER-LOCK Rigid Part Numbers

| Coupling Size | Bushing Size | Standard | | Stainless Steel* | |
|---------------|--------------|----------------------|---------------|----------------------|---------------|
| | | Male Flange Assembly | Female Flange | Male Flange Assembly | Female Flange |
| R16 | 1615 | 003001 | 003002 | 394157 | 394158 |
| R25 | 2517 | 003003 | 003004 | 424453 | 424452 |
| R30 | 3030 | 003005 | 003006 | 424490 | 424491 |
| R35 | 3535 | 003007 | 003008 | 394455 | 393340 |
| R40 | 4040 | 003009 | 003010 | 394032 | 394035 |
| R45 | 4545 | 003011 | 003012 | 395635 | 395634 |
| R50 | 5050 | 003013 | 003014 | 395637 | 395636 |
| R60 | 6050 | 003015 | 003016 | 395639 | 395638 |

Complete coupling consists of:

- (1) Male Flange Assembly
- (1) Female Flange
- (2) TL Bushings

* Stainless Steel TL Rigid couplings include zinc coated hardware.

Hardware supplied with male flange

Available in reverse mount

NOTE: TAPER-LOCK bushings ordered separately.

Refer to bushing section PT6-16

TL Rigid couplings are capable of accommodating keyless locking devices for use with non-keyed shafting. Please contact DODGE for further details.

NOTE: Instruction manuals for TAPER-LOCK Rigid Couplings and TAPER-LOCK Bushings available on www.baldor.com

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