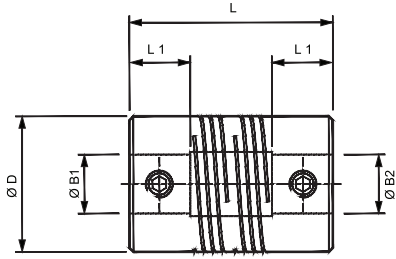


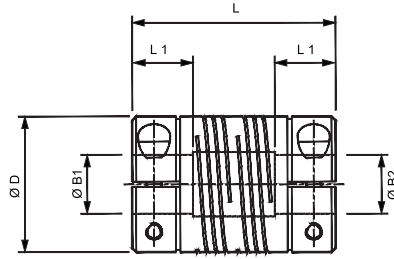
Multi-Beam

Stainless Steel Multi-Helix Flexible 6 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Stainless Steel 303
S31

Fasteners: Stainless Steel

Temperature Range

-40°F to +284°F
(-40°C to +140°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

| Coupling Type & Size | Set Screw Style | Clamp Type | ØD in. (mm) | L in. (mm) | L1 in. (mm) | Bore Diameters | | | Mass kgx10-3 | Fasteners | | | | Angular Offset Deg. | Parallel Offset mm | Torsional Stiffness Nm/rad | Peak Torque lb.in (Nm) |
|----------------------|-----------------------|-----------------------|-------------|-------------|-------------|----------------|--------|-------------|--------------|-----------|-------------|----------------------|-----------------|---------------------|--------------------|----------------------------|------------------------|
| | | | | | | Min B1 | Min B2 | Max B1 & B2 | | Set Screw | Cap Screw | Torque lbs.-in. (Nm) | Wrench in. (mm) | | | | |
| Relieved | 09 | 722.09 - 723.09 | 0.4 (9.5) | 0.77 (19.6) | 0.21 (5.3) | 2.0 | 3.0 | 4.76 | 6.5 | M2.5 | - | 1.77 (0.2) | 0.51 (1.3) | 3.0 | .002 (0.12) | 3.2 | 797 (0.9) |
| | 13 | 722.13 - 723.13 | 0.5 (12.7) | 1.00 (25.4) | 0.26 (6.5) | 3.0 | 4.0 | 6.35 | 15.0 | M3 | - | 2.83 (0.32) | 0.59 (1.5) | 5.0 | .007 (0.17) | 15.0 | 16.82 (1.9) |
| | | - | M2 | 2.66 (0.30) | 0.59 (1.5) | | | | | | | | | | | | |
| | 16 | 722.16 - 723.16 | 0.63 (15.9) | 1.00 (25.4) | 0.26 (6.5) | 3.0 | 4.0 | 8 | 24.0 | M4 | - | 9.29 (1.05) | .079 (2.0) | 5.0 | .008 (0.2) | 27.0 | 30.09 (3.4) |
| | | - | M2.5 | 6.02 (0.68) | .079 (2.0) | | | | | | | | | | | | |
| | 19 | 722.19 - 723.19 | 0.75 (19.1) | 1.10 (28.0) | 0.26 (6.5) | 4.76 | 5.0 | 10 | 37.0 | M4 | - | 9.29 (1.05) | .079 (2.0) | 7.0 | 0.01 (0.25) | 43.0 | 42.48 (4.8) |
| | | - | M3 | 6.02 (0.68) | .079 (2.0) | | | | | | | | | | | | |
| | 25 | 722.25 - 723.25 | 1.00 (25.4) | 1.50 (38.1) | 0.43 (11.0) | 5.0 | 6.0 | 12.7 | 99.0 | M5 | - | 18.59 (2.10) | .098 (2.5) | 7.0 | .015 (0.38) | 102 | 88.5 (10.0) |
| | | - | M3 | 10.6 (1.20) | .098 (2.5) | | | | | | | | | | | | |
| | 32 | 722.32 - 723.32 | 1.25 (31.8) | 2.25 (57.2) | 0.63 (16.0) | 8.0 | 9.53 | 19.0 | 236 | M6 | - | 33.2 (3.75) | 0.12 (3.0) | 7.0 | 0.02 (0.5) | 218 | 115.1 (13.0) |
| | | - | M4 | 51.8 (5.85) | 0.12 (3.0) | | | | | | | | | | | | |
| | 38 | 722.38 - 723.38 | 1.25 (31.8) | 2.63 (66.7) | 0.71 (18.0) | 8.0 | 12.0 | 22.0 | 400 | M6 | - | 33.2 (3.75) | 0.12 (3.0) | 7.0 | .024 (0.6) | 380 | 117.0 (20.0) |
| | | - | M5 | 51.8 (5.85) | 0.16 (4.0) | | | | | | | | | | | | |
| | 44 | 722.44 - 723.44 | 1.75 (44.5) | 3.00 (76.2) | 0.79 (20.0) | 9.0 | 14.0 | 25.0 | 523 | M6 | - | 33.2 (3.75) | 0.11 (3.0) | 7.0 | .031 (0.8) | 567 | 239.0 (27.0) |
| | | - | M5 | 51.3 (5.80) | 0.16 (4.0) | | | | | | | | | | | | |
| | 51 | 722.51 - 723.51 | 2.00 (50.8) | 3.75 (95.3) | 0.98 (25.0) | 10.0 | 16.0 | 28.0 | 996 | M8 | - | 80.0 (9.00) | 0.16 (4.0) | 7.0 | 0.35 (0.9) | 783 | 327.5 (37.0) |
| - | | M6 | 86.3 (9.75) | 0.20 (5.0) | | | | | | | | | | | | | |
| 57 | 722.57 - 723.57 | 2.25 (57.2) | 5.12 (130) | 1.26 (32.0) | 10.0 | 20.0 | 32.0 | 1708 | M8 | - | 80.0 (9.00) | 0.16 (4.0) | 7.0 | .037 (0.95) | 1053 | 442.5 (50.0) | |
| | - | M6 | 86.3 (9.75) | 0.20 (5.0) | | | | | | | | | | | | | |
| 64 | 722.64 - 723.64 | 2.5 (63.5) | 5.91 (150) | 1.5 (38.0) | 12.0 | 25.0 | 38.0 | 2300 | M8 | - | 80.0 (9.00) | 0.16 (4.0) | 7.0 | 0.39 (1.0) | 1400 | 757.3 (65.0) | |
| | - | M8 | 212 (24.0) | 0.24 (6.0) | | | | | | | | | | | | | |

- ① Length of supported bore.
- ② Max. compensation values are mutually exclusive.
- ③ **Peak torque.** Select a size where Peak Torque exceeds the application torque x service factor. (see page 4)
- ④ Torsional Stiffness values based on maximum bores, for smaller bore combinations the values are nearer the non-relieved type.

BORE SIZES 6-BEAM COUPLINGS, RELIEVED

○ B1 only ● B1 & B2 Sizes indicated in parenthesis are metric (mm).

| Coupling Size | ØB1, ØB2 +0.0012/-0 (+0.03mm/-0mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------------------------------|-----|------|-----|-------|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|--------|------|---|---|--|--|--|
| | (2) | (3) | 1/8" | (4) | 3/16" | (5) | (6) | 1/4" | (8) | 3/8" | (10) | (12) | 1/2" | (14) | 5/8" | (16) | (18) | (19) | 3/4" | (20) | (24) | (25) | 1" | (28) | (30) | 1 1/4" | (32) | | | | | |
| 9 | ○ | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | ○ | ○ | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | ○ | ○ | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | ○ | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | ○ | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | ○ | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| 44 | | | | | | | | | | | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 51 | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| 57 | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| 64 | | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| Bore ref. | 11 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 28 | 31 | 32 | 35 | 36 | 38 | 41 | 42 | 45 | 46 | 47 | 48 | 51 | 52 | 53 | 54 | 56 | 57 | 58 | | | | | |