

Multi-Beam

Aluminium Multi-Helix Flexible 6 Beam Couplings Non-Relieved

Set Screw Hubs

Clamp Hubs

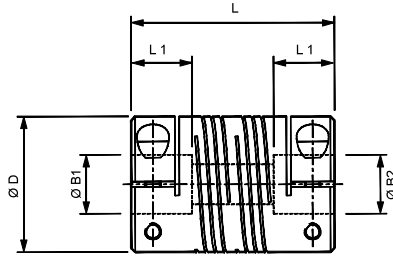
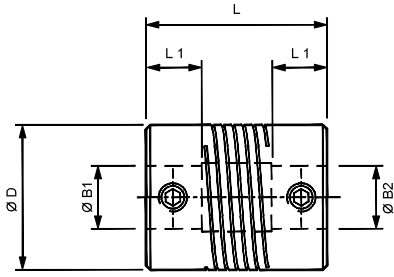
Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

-40°C to +120°C



6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

| Coupling Type & Size | Set Screw Style | Clamp Type | ØD mm | L mm | L1 mm | Bore Diameters | | | Mass kgx10-3 | Fasteners | | | | Angular Offset Deg. | Parallel Offset mm | Torsional Stiffness Nm/rad | Peak Torque Nm | |
|----------------------|-----------------|------------|--------|------|-------|----------------|--------|-------------|--------------|-----------|-----------|-----------|-----------|---------------------|--------------------|----------------------------|----------------|------|
| | | | | | | Min B1 | Min B2 | Max B1 & B2 | | Set Screw | Cap Screw | Torque Nm | Wrench mm | | | | | |
| Non-Relieved | 09 | 706.09 | - | 9.5 | 19.6 | 5.3 | 2.0 | 4.0 | 4.76 | 2.85 | M2.5 | - | 0.55 | 1.3 | 3.0 | 0.12 | 1.8 | 1.0 |
| | | - | 707.09 | | | | | | | | - | M1.6 | 0.29 | 1.5 | | | | |
| | 13 | 706.13 | - | 12.7 | 22.9 | 6.5 | 3.0 | 5.0 | 6.35 | 5.5 | M3 | - | 0.90 | 1.5 | 5.0 | 0.17 | 14.0 | 2.0 |
| | | - | 707.13 | | | | | | | | - | M2 | 0.66 | 1.5 | | | | |
| | 16 | 706.16 | - | 15.9 | 25.4 | 6.5 | 3.0 | 6.0 | 8 | 9.8 | M4 | - | 2.5 | 2.5 | 5.0 | 0.2 | 27.0 | 3.4 |
| | | - | 707.16 | | | | | | | | - | M2.5 | 1.3 | 2.0 | | | | |
| | 19 | 706.19 | - | 19.1 | 26.5 | 6.5 | 4.76 | 6.35 | 10 | 14.0 | M4 | - | 2.5 | 2.5 | 7.0 | 0.25 | 46.0 | 5.3 |
| | | - | 707.19 | | | | | | | | - | M2.5 | 1.3 | 2.0 | | | | |
| | 25 | 706.25 | - | 25.4 | 38.1 | 11.0 | 5.0 | 8.0 | 12.7 | 38.0 | M5 | - | 4.6 | 2.5 | 7.0 | 0.38 | 108 | 10.0 |
| | | - | 707.25 | | | | | | | | - | M3 | 2.4 | 2.5 | | | | |
| | 32 | 706.32 | - | 31.8 | 57.2 | 16.0 | 8.0 | 9.53 | 19.0 | 92.0 | M6 | - | 7.6 | 3.0 | 7.0 | 0.5 | 225 | 15.0 |
| | | - | 707.32 | | | | | | 16.0 | | - | M4 | 5.6 | 3.0 | | | | |
| | 38 | 706.38 | - | 38.1 | 66.7 | 18.0 | 8.0 | 12.0 | 22.0 | 154 | M6 | - | 7.6 | 3.0 | 7.0 | 0.6 | 315 | 22.0 |
| | | - | 707.38 | | | | | | 19.0 | | - | M5 | 11.0 | 4.0 | | | | |
| | 44 | 706.44 | - | 44.5 | 76.2 | 20.0 | 9.0 | 14.0 | 25.0 | 239 | M6 | - | 7.6 | 3.0 | 7.0 | 0.8 | 459 | 30.0 |
| | | - | 707.44 | | | | | | 22.0 | | - | M5 | 11.0 | 4.0 | | | | |
| 51 | 706.51 | - | 50.8 | 95.3 | 25.0 | 10.0 | 16.0 | 28.0 | 389 | M8 | - | 18 | 4.0 | 7.0 | 0.9 | 666 | 40.0 | |
| | - | 707.51 | | | | | | 26.0 | | - | M6 | 19 | 5.0 | | | | | |
| 57 | 706.57 | - | 57.2 | 130 | 32.0 | 10.0 | 20.0 | 32.0 | 674 | M8 | - | 18 | 4.0 | 7.0 | 0.95 | 918 | 55.0 | |
| | - | 707.57 | | | | | | 30.0 | | - | M6 | 19 | 5.0 | | | | | |
| 64 | 706.64 | - | 63.5 | 150 | 38.0 | 12.0 | 25.0 | 38.0 | 1118 | M8 | - | 18 | 4.0 | 7.0 | 1.0 | 1125 | 75.0 | |
| | - | 707.64 | | | | | | 36.0 | | - | M8 | 46 | 6.0 | | | | | |

① Length of supported bore.

③ Peak torque. Select a size where Peak Torque exceeds the application torque x service factor. (see page 4)

② Max. compensation values are mutually exclusive.

BORE SIZES 6-BEAM COUPLINGS, NON-RELIEVED

○ B1 only ● B1 & B2

| Coupling Size | ØB1, ØB2 +0.03mm/-0mm (+0.0012/-0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------------------------------|----------|-----------|----|----------|----------|----|-----------|-----------|----|----|----|--------|----|----|----|------|----|----|----------|----|----|----|----|----|----|----|---|---|---|---|
| | 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 | | | | |

S = Setscrew only