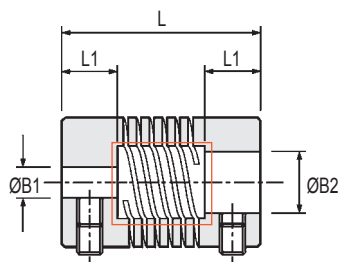
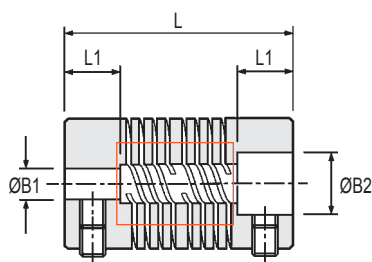


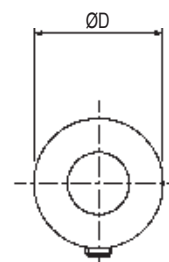
## Set screw hubs



**Ref. 724**  
3-Beam Relieved

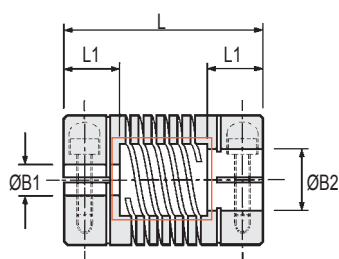


**Ref. 706** : 6-Beam Non-Relieved  
**Ref. 726** : 6-Beam Relieved

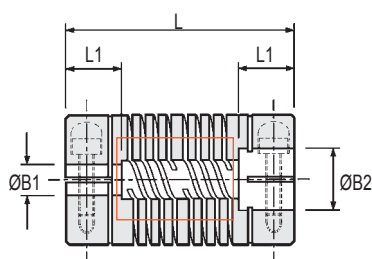


**Typical**

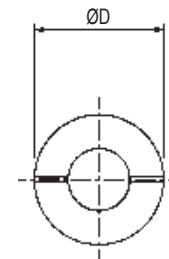
## Clamp hubs



**Ref. 725**  
3-Beam Relieved



**Ref. 707** : 6-Beam Non-Relieved  
**Ref. 727** : 6-Beam Relieved



**Typical**

## 3-BEAM COUPLERS: DIMENSIONS & ORDER CODES

| Coupler Type & Size | Set Screw Style | Clamp Style |        |      | 1    | Bore Diameters |        |             | Set Screw | Cap Screw | 2Angular Offset Deg. | 2Parallel Offset mm | 3Peak Torque Nm |      |      |    |
|---------------------|-----------------|-------------|--------|------|------|----------------|--------|-------------|-----------|-----------|----------------------|---------------------|-----------------|------|------|----|
|                     |                 |             |        |      |      | Min B1         | Min B2 | Max B1 & B2 |           |           |                      |                     |                 |      |      |    |
|                     | COUPLER REF     |             | ØD     | L    | L1   |                |        |             |           |           |                      |                     |                 |      |      |    |
| Relieved            | 06              | 724.06      | —      | 6.4  | 12.7 | 3.2            | 1.0    | 2.0         | 3.0       | M2        | —                    | 3                   | 0.07            | 0.40 |      |    |
|                     | 09              | 724.09      | —      | 9.5  | 14.2 | 4.5            | 2.0    | 3.0         | 3.18      | M2.5      | M1.6                 |                     | 0.1             |      |      |    |
|                     |                 | —           | 725.09 |      |      |                |        |             |           |           |                      |                     |                 |      |      |    |
|                     | 13              | 724.13      | —      | 12.7 | 19.1 | 6.0            | 3.0    | 4.0         | 5.0       | M3        | M2                   | 5                   | 0.127           | 0.90 |      |    |
|                     |                 | —           | 725.13 |      |      |                |        |             |           |           |                      |                     |                 |      | 6.35 | M4 |
|                     | 16              | 724.16      | —      | 15.9 | 20.3 | 6.5            |        |             | 4.0       | 4.76      | 8.0                  |                     |                 | M5   |      |    |
|                     |                 | —           | 725.16 |      |      |                |        |             |           |           |                      |                     |                 |      |      |    |
|                     | 19              | 724.19      | —      | 19.1 | 22.9 | 9.0            | 5.0    | 6.0         | 10.0      | M6        | M4                   |                     |                 | 6.0  |      |    |
|                     |                 | —           | 725.19 |      |      |                |        |             |           |           |                      |                     |                 |      |      |    |
|                     | 25              | 724.25      | —      | 25.4 | 31.8 | 9.0            | 5.0    | 6.0         | 10.0      | M6        | M4                   |                     |                 | 6.0  |      |    |
|                     |                 | —           | 725.25 |      |      |                |        |             |           |           |                      |                     |                 |      |      |    |
|                     | 32              | 724.32      | —      | 31.8 | 44.5 | 12.0           | 6.0    | 8.0         | 14.0      | M6        | M4                   |                     |                 | 6.0  |      |    |
|                     |                 | —           | 725.32 |      |      |                |        |             |           |           |                      |                     |                 |      |      |    |

### Materials

#### Couplers:

Aluminium L168 or better

#### Fasteners:

Alloy steel, black oiled

### Temperature Range

−40°C to +120°C

All 3-beam couplers are in relieved form as standard. See above drawings.

## BORE SIZES

| Coupler   | ØB1, ØB2 +0.03/-0mm |    |    |       |    |       |    |    |       |    |       |    |    |        |    |
|-----------|---------------------|----|----|-------|----|-------|----|----|-------|----|-------|----|----|--------|----|
| Size      | 1                   | 2  | 3  | 3.175 | 4  | 4.763 | 5  | 6  | 6.350 | 8  | 9.525 | 10 | 12 | 12.700 | 14 |
| 06        | ○                   | ●  | ●  |       |    |       |    |    |       |    |       |    |    |        |    |
| 09        |                     | ○  | ●  | ●     |    |       |    |    |       |    |       |    |    |        |    |
| 13        |                     |    | ○  | ○     | ●  | ●     | ●  |    |       |    |       |    |    |        |    |
| 16        |                     |    | ○  | ○     | ●  | ●     | ●  | ●  | ●     |    |       |    |    |        |    |
| 19        |                     |    |    |       | ○  | ●     | ●  | ●  | ●     | ●  |       |    |    |        |    |
| 25        |                     |    |    |       |    |       | ○  | ●  | ●     | ●  | ●     | ●  |    |        |    |
| 32        |                     |    |    |       |    |       |    | ○  | ○     | ●  | ●     | ●  | ●  | ●      | ●  |
| Bore ref. | 08                  | 11 | 14 | 16    | 18 | 19    | 20 | 22 | 26    | 28 | 31    | 32 | 35 | 36     | 38 |

## HOW TO ORDER

Combine the COUPLER REF in Dimensions & Order Codes Table with BORE REFS in Bore Sizes Table. Please identify both bores e.g.

**724.16.1924**

Coupler ref.

Ø B1 ref.

Ø B2 ref.

○ B1 only    ● B1 & B2

## 6-BEAM COUPLERS: DIMENSIONS & ORDER CODES

| Coupler Type & Size |    | Set Screw Style | Clamp Style | ØD   | L     | L <sup>1</sup> | Bore Diameters |        |             | Set Screw | Cap Screw | <sup>2</sup> Angular Offset<br>Deg. | <sup>2</sup> Parallel Offset<br>mm | <sup>3</sup> Peak Torque<br>Nm |
|---------------------|----|-----------------|-------------|------|-------|----------------|----------------|--------|-------------|-----------|-----------|-------------------------------------|------------------------------------|--------------------------------|
|                     |    |                 |             |      |       |                | Min B1         | Min B2 | Max B1 & B2 |           |           |                                     |                                    |                                |
|                     |    | COUPLER REF     |             |      |       |                | L1             | Min B1 | Min B2      |           |           |                                     |                                    |                                |
| Non-Relieved        | 09 | 706.09          | —           | 9.5  | 19.6  | 5.3            | 2.0            | 4.0    | 4.76        | M2.5      | M1.6      | 3                                   | 0.12                               | 1.0                            |
|                     | —  | 707.09          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 13 | 706.13          | —           | 12.7 | 22.9  | 6.5            | 3.0            | 5.0    | 6.35        | M3        | M2        | 5                                   | 0.17                               | 2.0                            |
|                     | —  | 707.13          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 16 | 706.16          | —           | 15.9 | 25.4  |                |                | 6.0    | 8.0         | M4        | M2.5      |                                     | 0.2                                | 3.4                            |
|                     | —  | 707.16          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 19 | 706.19          | —           | 19.1 | 26.5  | 4.76           | 6.35           | 10.0   | M5          | M3        | 0.25      | 5.3                                 |                                    |                                |
|                     | —  | 707.19          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 25 | 706.25          | —           | 25.4 | 38.1  | 11.0           | 5.0            | 8.0    | 12.7        | M6        | M4        | 0.38                                | 10.0                               |                                |
|                     | —  | 707.25          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 32 | 706.32          | —           | 31.8 | 57.2  | 16.0           | 8.0            | 10.0   | 19.0        | 16.0      | M5        | M6                                  | 0.5                                | 15.0                           |
|                     | —  | 707.32          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 38 | 706.38          | —           | 38.1 | 66.7  | 18.0           |                | 12.0   | 22.0        | 19.0      | M6        | M5                                  | 0.6                                | 22.0                           |
|                     | —  | 707.38          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 44 | 706.44          | —           | 44.5 | 76.2  | 20.0           | 9.0            | 14.0   | 25.0        | 22.0      | M8        | M6                                  | 0.8                                | 30.0                           |
|                     | —  | 707.44          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 51 | 706.51          | —           | 50.8 | 95.3  | 25.0           | 10.0           | 16.0   | 28.0        | 26.0      | M8        | M6                                  | 0.9                                | 40.0                           |
|                     | —  | 707.51          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 57 | 706.57          | —           | 57.2 | 130.0 | 32.0           |                | 20.0   | 32.0        | 30.0      | M8        | M6                                  | 0.95                               | 55.0                           |
|                     | —  | 707.57          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |
|                     | 64 | 706.64          | —           | 63.5 | 150.0 | 38.0           | 12.0           | 25.0   | 38.0        | 36.0      | M8        | M8                                  | 1.0                                | 75.0                           |
|                     | —  | 707.64          |             |      |       |                |                |        |             |           |           |                                     |                                    |                                |

|          |    |        |   |      |       |      |      |      |      |      |      |      |      |      |
|----------|----|--------|---|------|-------|------|------|------|------|------|------|------|------|------|
| Relieved | 09 | 726.09 | — | 9.5  | 19.6  | 5.3  | 2.0  | 3.0  | 4.76 | M2.5 | M1.6 | 3    | 0.12 | 0.6  |
|          | —  | 727.09 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 13 | 726.13 | — | 12.7 | 22.9  | 6.5  | 3.0  | 4.0  | 6.35 | M3   | M2   | 5    | 0.17 | 1.3  |
|          | —  | 727.13 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 16 | 726.16 | — | 15.9 | 25.4  |      | 8.0  | M4   | M2.5 | 0.2  | 2.0  |      |      |      |
|          | —  | 727.16 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 19 | 726.19 | — | 19.1 | 26.5  | 4.76 | 5.0  | 10.0 | M5   | M3   | 0.25 | 3.0  |      |      |
|          | —  | 727.19 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 25 | 726.25 | — | 25.4 | 38.1  | 11.0 | 5.0  | 6.0  | 12.7 | M6   | M4   | 0.38 | 5.0  |      |
|          | —  | 727.25 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 32 | 726.32 | — | 31.8 | 57.2  | 16.0 | 8.0  | 9.53 | 19.0 | 16.0 | M6   | M5   | 0.5  | 7.0  |
|          | —  | 727.32 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 38 | 726.38 | — | 38.1 | 66.7  | 18.0 |      | 12.0 | 22.0 | 19.0 | M8   | M6   | 0.6  | 11.0 |
|          | —  | 727.38 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 44 | 726.44 | — | 44.5 | 76.2  | 20.0 | 9.0  | 14.0 | 25.0 | 22.0 | M8   | M6   | 0.8  | 15.0 |
|          | —  | 727.44 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 51 | 726.51 | — | 50.8 | 95.3  | 25.0 | 10.0 | 16.0 | 28.0 | 26.0 | M8   | M6   | 0.9  | 20.0 |
|          | —  | 727.51 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 57 | 726.57 | — | 57.2 | 130.0 | 32.0 |      | 20.0 | 32.0 | 30.0 | M8   | M6   | 0.95 | 28.0 |
|          | —  | 727.57 |   |      |       |      |      |      |      |      |      |      |      |      |
|          | 64 | 726.64 | — | 63.5 | 150.0 | 38.0 | 12.0 | 25.0 | 38.0 | 36.0 | M8   | M8   | 1.0  | 38.0 |
|          | —  | 727.64 |   |      |       |      |      |      |      |      |      |      |      |      |

### Materials

**Couplers:**  
Aluminium L168 or better

**Fasteners:**  
Alloy steel, black oiled

**Temperature Range**  
-40°C to +120°C

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.
4. **6-beam couplers only.** For applications where drive and driven shafts have minimal end-clearance, *relieved* version must be specified.

### SERVICE FACTORS

| Nature of load                | Factor |
|-------------------------------|--------|
| Uni-directional - steady load | 1      |
| Uni-directional - stop/start  | 1.5    |
| Reversing load                | 2      |

If either shaft extends beneath the beams, the area shown in red must be **relieved** to provide clearance under the flexure.

### HOW TO ORDER

Combine the COUPLER REF in Dimensions & Order Codes Table with BORE REFS in Bore Sizes Table. Please identify both bores e.g.

**706.19.1924**

Coupler ref.   
Ø B1 ref.   
Ø B2 ref.

### BORE SIZES

### NON-RELIEVED

### RELIEVED

| Coupler Size                                              | 2  | 3  | 3.175 | 4  | 4.763 | 5  | 6  | 6.350 | 8  | 9.525 | 10 | 12 | 12.700 | 14 | 15.875 | 16 |
|-----------------------------------------------------------|----|----|-------|----|-------|----|----|-------|----|-------|----|----|--------|----|--------|----|
| 09                                                        | ○  | ○  | ○     | ●  | ●     |    |    |       |    |       |    |    |        |    |        |    |
| 13                                                        |    | ○  | ○     | ○  | ○     | ●  | ●  | ●     |    |       |    |    |        |    |        |    |
| 16                                                        |    | ○  | ○     | ○  | ○     | ○  | ●  | ●     | ●  |       |    |    |        |    |        |    |
| 19                                                        |    |    |       |    | ○     | ○  | ○  | ○     | ●  | ●     | ●  |    |        |    |        |    |
| 25                                                        |    |    |       |    |       | ○  | ○  | ○     | ○  | ○     | ○  | ●  | ●      | ●  |        |    |
| 32                                                        |    |    |       |    |       |    |    |       | ○  | ○     | ○  | ○  | ○      | ○  | ○      | ○  |
| Sizes 38 - 64 Manufactured to order only. Please enquire. |    |    |       |    |       |    |    |       |    |       |    |    |        |    |        |    |
| Bore ref.                                                 | 11 | 14 | 16    | 18 | 19    | 20 | 22 | 24    | 28 | 31    | 32 | 35 | 36     | 38 | 41     | 42 |
| ○ B1 only    ● B1 & B2                                    |    |    |       |    |       |    |    |       |    |       |    |    |        |    |        |    |

| Coupler Size                                              | 2  | 3  | 3.175 | 4  | 4.763 | 5  | 6  | 6.350 | 8  | 9.525 | 10 | 12 | 12.700 | 14 | 15.875 | 16 |
|-----------------------------------------------------------|----|----|-------|----|-------|----|----|-------|----|-------|----|----|--------|----|--------|----|
| 09                                                        | ○  | ●  | ●     | ●  | ●     | ●  | ●  | ●     |    |       |    |    |        |    |        |    |
| 13                                                        |    | ○  | ○     | ●  | ●     | ●  | ●  | ●     | ●  |       |    |    |        |    |        |    |
| 16                                                        |    | ○  | ○     | ●  | ●     | ●  | ●  | ●     | ●  | ●     |    |    |        |    |        |    |
| 19                                                        |    |    |       | ○  | ○     | ○  | ○  | ○     | ○  | ○     | ○  | ○  | ○      | ○  | ○      | ○  |
| 25                                                        |    |    |       |    | ○     | ○  | ○  | ○     | ○  | ○     | ○  | ○  | ○      | ○  | ○      | ○  |
| 32                                                        |    |    |       |    |       | ○  | ○  | ○     | ○  | ○     | ○  | ○  | ○      | ○  | ○      | ○  |
| Sizes 38 - 64 Manufactured to order only. Please enquire. |    |    |       |    |       |    |    |       |    |       |    |    |        |    |        |    |
| Bore ref.                                                 | 11 | 14 | 16    | 18 | 19    | 20 | 22 | 24    | 28 | 31    | 32 | 35 | 36     | 38 | 41     | 42 |