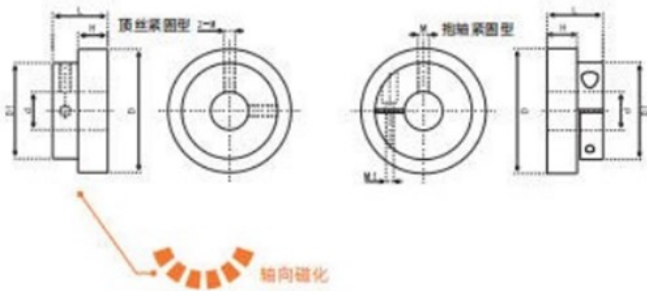


# Planar / Disc Magnetic Coupling — HY06 / HY07

Bracket AL6061 / SUS304 + sintered NdFeB ring | Axially magnetised | Torque rated at a 2.0 mm working gap | Through keyway optional on D80/90/100/120/130



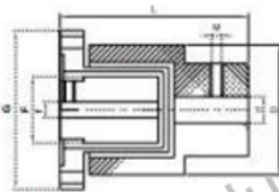
## 平面磁力联轴器

| Model / Mount    | Dimension (mm) |         |                |                |               |          | Screw | Performance                |                              |
|------------------|----------------|---------|----------------|----------------|---------------|----------|-------|----------------------------|------------------------------|
|                  | Ø OD           | Poles P | Bore d         | Counterbore D1 | Magnet zone H | Length L |       | Torque at 2.0 mm gap (N·m) | Torque at 2.0 mm gap (lb·in) |
| HY06 Set-screw   | 25             |         | 6/8 blind hole | 20             | 10            | 20       | M4    | 0.44                       | 3.89                         |
|                  | 30             | 6       | 6/8            | 26             | 10            | 20       | M4    | 0.80                       | 7.08                         |
|                  | 35             | 6       | 6/8            | 30             | 10            | 20       | M4    | 1.30                       | 11.51                        |
|                  | 40             | 10      | 10/12          | 35             | 12            | 22       | M5    | 1.85                       | 16.37                        |
|                  | 130            | 14      | 40 w/ keyway   | 100            | 20            | 45       | M8    | 50.00                      | 442.54                       |
| HY07 Shaft-clamp | 40             | 10      | 10/12          | 35             | 13            | 25       | M4    | 1.85                       | 16.37                        |
|                  | 45             | 12      | 12/15          | 40             | 13            | 25       | M4    | 2.90                       | 25.67                        |
|                  | 50             | 12      | 12/15          | 40             | 13            | 25       | M4    | 3.77                       | 33.37                        |
|                  | 55             | 10      | 15/20          | 45             | 15            | 30       | M5    | 4.95                       | 43.81                        |
|                  | 60             | 10      | 15/20          | 45             | 15            | 30       | M5    | 5.30                       | 46.91                        |
|                  | 65             | 12      | 20/25          | 50             | 15            | 30       | M5    | 6.85                       | 60.63                        |
|                  | 70             | 12      | 20/25          | 55             | 15            | 30       | M5    | 7.25                       | 64.17                        |
|                  | 80             | 10      | 24/25/30       | 60             | 17            | 35       | M6    | 10.55                      | 93.38                        |
|                  | 90             | 10      | 24/28/30/35    | 65             | 17            | 35       | M6    | 16.60                      | 146.92                       |
|                  | 100            | 10      | 24/28/30/35    | 70             | 20            | 50       | M8    | 25.00                      | 221.27                       |
|                  | 120            | 10      | 28/36/38       | 70             | 20            | 50       | M8    | 35.00                      | 309.78                       |

# Coaxial Radial Magnetic Coupling — HY10

Inner rotor SUS304 + NdFeB | Outer rotor SUS304 / 45# steel + NdFeB | Flange cover SUS304 | Radially magnetised

## 同轴径向磁力联轴器

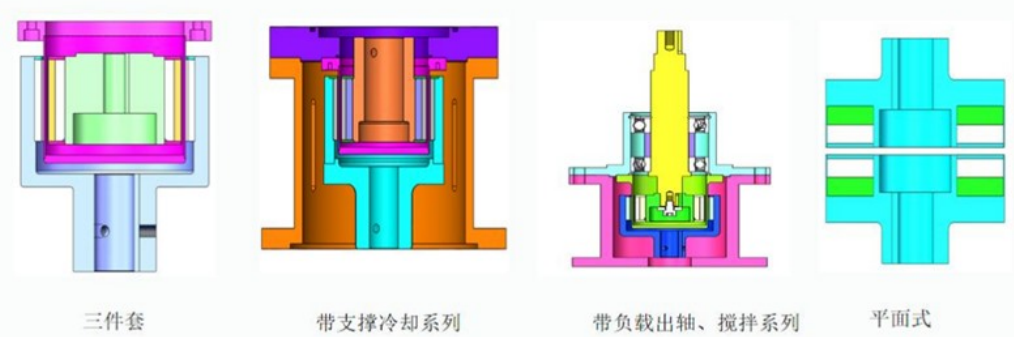


| Model               | Outer rotor (mm) |        | Inner rotor (mm) |          | Dimension (mm) |          | Screw | Performance    |              |                |
|---------------------|------------------|--------|------------------|----------|----------------|----------|-------|----------------|--------------|----------------|
|                     | Ø OD             | Bore d | Ø OD             | Bore f   | Flange G       | Length L |       | Pressure (MPa) | Torque (N·m) | Torque (lb·in) |
| HY10 Coaxial radial | 40               | 6/8    | 22.5             | 6/8      | /              | 45       | M4    | /              | 5            | 44.25          |
|                     | 60               | 15/19  | 32               | 10/12    | 78             | 79       | M5    | ≤3             | 10           | 88.51          |
|                     | 75               | 15/24  | 43               | 12/15    | 93             | 92       | M5    | ≤3             | 20           | 177.01         |
|                     | 84               | 20/24  | 48               | 14/15    | 116            | 109      | M6    | ≤2             | 50           | 442.54         |
|                     | 93               | 25/30  | 53               | 15/19    | 123            | 113      | M6    | ≤2             | 80           | 708.06         |
|                     | 105              | 30/35  | 62               | 20/24/30 | 133            | 126      | M8    | ≤3             | 100          | 885.07         |

# Hermetic Permanent-Magnet Coupling (ABMPMCP)

Synchronous drive with no torque transmission loss | Static sealing via containment shell | Drive and driven shafts separated for damping | Angular misalignment tolerated | Dimensions in mm; lb-in = N·m × 8.850746, °F = °C × 1.8 + 32

## 同步型永磁联轴器结构类型



| Type                       | No. | Model                 | Bore (mm) |       | Dimension (mm) |        | Performance  |                |               |               |                      | Shell      | Rotors                |
|----------------------------|-----|-----------------------|-----------|-------|----------------|--------|--------------|----------------|---------------|---------------|----------------------|------------|-----------------------|
|                            |     |                       | Inner     | Outer | Outer Ø        | Height | Torque (N·m) | Torque (lb·in) | Max temp (°C) | Max temp (°F) | Shell pressure (MPa) |            |                       |
| 3-piece                    | 1   | ABMPMCP-JH-03-700Nm   | 42        | 55    | 210            | 25.5   | >700         | >6195.52       | 150           | 302           | 2.0                  | PEEK       | 304 / Q235            |
|                            | 2   | ABMPMCP-RN-01-6.8Nm   | 11        | 11    | 60             | 72     | >6.8         | >60.19         | 150           | 302           | ≤3.0                 | 304        | 304 / Q235            |
|                            | 3   | ABMPMCP-RN-02-12Nm    | 12.5      | 10    | 39.5           | 115    | >12          | >106.21        | 150           | 302           | ≤3.0                 | 304        | 304 / Q235            |
|                            | 4   | ABMPMCP-BY-01-12Nm    | 24        | 23    | 108            | 101.5  | >12          | >106.21        | 150           | 302           | ≤3.0                 | 304        | 304 / Q235            |
|                            | 5   | ABMPMCP-LJ-01-14Nm    | 14        | 24    | 89             | 110    | >14          | >123.91        | 160           | 320           | 3.0                  | 304        | 304 / Q235            |
|                            | 6   | ABMPMCP-CD-04-20Nm    | 14        | 24    | 75             | 98     | >20          | >177.01        | 200           | 392           | 3.0                  | 304        | 304 / Q235            |
|                            | 7   | ABMPMCP-HM-02-7Nm     | 14        | 19    | 60             | 79.5   | >7           | >61.96         | 250           | 482           | 3.0                  | 304        | 304 / Q235            |
|                            | 8   | ABMPMCP-ZX-01-20Nm    | 24        | 24    | 98             | 116    | >20          | >177.01        | 350           | 662           | ≤1.4                 | 304        | 304 / Q235            |
| 2-piece                    | 9   | ABMPMCP-TYJ-05-14Nm   | 8         | 14    | /              | 390    | 14           | 123.91         | 300           | 572           | /                    | /          | 304 / Q235            |
|                            | 10  | ABMPMCP-JN-01-3Nm     | 5         | 6     | /              | 46.2   | >3           | >26.55         | 350           | 662           | /                    | /          | 316                   |
| With support & cooling     | 11  | ABMPMCP-TH-01-800Nm   | 47        | 64.4  | 390            | 356    | >800         | >7080.6        | 350           | 662           | ≤3.0                 | 304        | 304 / Q235            |
| With load shaft / agitator | 12  | ABMPMCP-LX-01-6Nm     | 18        | 64.4  | 280            | 161    | >6           | >53.1          | 350           | 662           | ≤2.0                 | 304        | 304 / Q235            |
|                            | 13  | ABMPMCP-JY-01-30Nm    | 25        | 25    | 160            | 112    | >30          | >265.52        | 150           | 302           | ≤2.0                 | 304        | 304 / Q235            |
| 3-piece                    | 14  | ABMPMCP-CD-05-30Nm    | 14        | 24    | 95             | 98     | >30          | >265.52        | 200           | 392           | 2.0                  | 304        | 304 / Q235            |
|                            | 15  | ABMPMCP-TJZT-01-1Nm   | 11        | 20    | 53             | 72     | >1           | >8.85          | 100           | 212           | 2.0                  | 304        | 304 / Q235            |
|                            | 16  | ABMPMCP-TJZT-02-16Nm  | 12        | 25    | 94.5           | 108    | >16          | >141.61        | 220           | 428           | 2.5                  | 304        | 304 / Q235            |
|                            | 17  | ABMPMCP-TJZT-03-20Nm  | 26        | 25    | 118            | 148.5  | >20          | >177.01        | ≤350          | ≤662          | 2.0                  | 304        | 304 / Q235            |
|                            | 18  | ABMPMCP-TJZT-04-168Nm | 14        | 30    | 178            | 212    | >168         | >1486.93       | 220           | 428           | 2.5                  | 304        | 304 / Q235            |
|                            | 19  | ABMPMCP-TJZT-05-35Nm  | 26        | 25    | 116            | 135    | >35          | >309.78        | 250           | 482           | 2.5                  | 304        | 304 / Q235            |
|                            | 20  | ABMPMCP-TJZT-06-35Nm  | 28        | 22    | 116            | 135    | >35          | >309.78        | 250           | 482           | 2.5                  | 304        | 304 / Q235            |
|                            | 21  | ABMPMCP-TJZT-06-100Nm | 25        | 30    | 150            | 154    | >100         | >885.07        | 100           | 212           | 2.0                  | 316L       | 316L / Q235           |
|                            | 22  | ABMPMCP-TJZT-06-400Nm | 55        | 50    | 220            | 265.5  | >400         | >3540.3        | 100           | 212           | 2.0                  | 316L       | 316L / Q235           |
| Engineered to order        | 23  | ABMPMCP Custom        | /         | /     | /              | /      | /            | /              | ≤350          | ≤662          | ≤3.0                 | 304 / PEEK | Q235 / 304 / 316 / Ti |