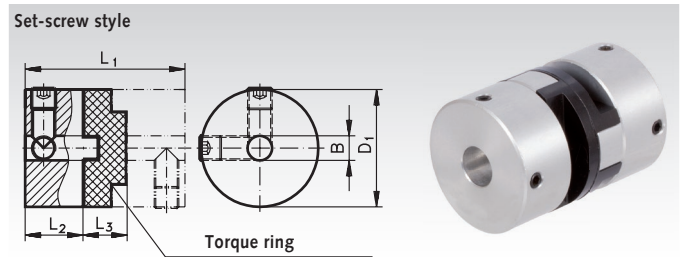


## Torsionally-Stiff Couplings HZD with Through Holes

**Material:** Hubs made from aluminium alloy with iridite NCP finish.  
Sliding disc made from black polyacetal.

These 3-part zero backlash couplings provide electrical insulation. They consist of two hubs and a sliding disc. They are versatile and of robust design. Large radial compensation, easy mounting even in confined spaces.

Applications: Ideal for stepper motors due to the damping properties of plastic torque rings. Positioning drives, position encoders and incremental or absolute encoders, pumps etc.



Ordering Details: e.g.: Product No. 601 301 05, Coupling, 4 mm Bore

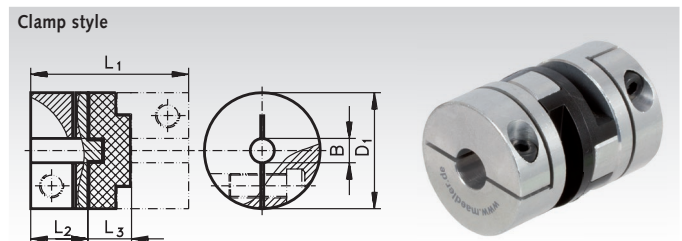
| Product No. | Torque max. <sup>1)</sup><br>Nm | Static Break Torque<br>Nm | Bore B+0.03<br>mm | L <sub>1</sub><br>mm | L <sub>2</sub><br>mm | L <sub>3</sub><br>mm | D <sub>1</sub><br>mm | max. Compensation at 3000min <sup>-1</sup><br>Angular<br>±Degrees | Radial<br>±mm | Torsional Stiffness<br>Nm/rad | Weight<br>g | Product No.<br>Spare Part<br>Sliding disc | Weight<br>g |
|-------------|---------------------------------|---------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------------------------------------------|---------------|-------------------------------|-------------|-------------------------------------------|-------------|
| 601 301 05  | 1,7                             | 8                         | 4                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 302 05  | 1,7                             | 8                         | 6                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 303 05  | 1,7                             | 8                         | 8                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 305 05  | 4                               | 13                        | 6                 | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 306 05  | 4                               | 13                        | 8                 | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 307 05  | 4                               | 13                        | 10                | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 308 05  | 9                               | 53                        | 8                 | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 309 05  | 9                               | 53                        | 10                | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 310 05  | 9                               | 53                        | 12                | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 312 05  | 17                              | 57                        | 10                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 313 05  | 17                              | 57                        | 12                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 315 05  | 17                              | 57                        | 16                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 318 05  | 30                              | 95                        | 12                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 319 05  | 30                              | 95                        | 16                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 320 05  | 30                              | 95                        | 20                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 325 05  | 44                              | 150                       | 16                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |
| 601 326 05  | 44                              | 150                       | 20                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |
| 601 327 05  | 44                              | 150                       | 30                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |

## Torsionally-Stiff Couplings HFD with Through Holes

**Material:** Hubs made from aluminium alloy with iridite NCP finish.  
Sliding disc made from black polyacetal.

These 3-part zero backlash couplings provide electrical insulation. They consist of two hubs and a sliding disc. They are versatile and of robust design. Large radial compensation, easy mounting even in confined spaces.

Application: see description HZD (above).



Ordering Details: e.g.: Product No. 601 401 05, coupling, 4 mm Bore

| Product No. | Torque Max. <sup>1)</sup><br>Nm | Static Break Torque<br>Nm | Bore B+0.03<br>mm | L <sub>1</sub><br>mm | L <sub>2</sub><br>mm | L <sub>3</sub><br>mm | D <sub>1</sub><br>mm | max. Compensation at 3000min <sup>-1</sup><br>Angular<br>±Degrees | Radial<br>±mm | Torsional Stiffness<br>Nm/rad | Weight<br>g | Product No.<br>Spare Part<br>Sliding disc | Weight<br>g |
|-------------|---------------------------------|---------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------------------------------------------|---------------|-------------------------------|-------------|-------------------------------------------|-------------|
| 601 401 05  | 1,7                             | 8                         | 4                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 402 05  | 1,7                             | 8                         | 5                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 403 05  | 1,7                             | 8                         | 6                 | 26                   | 9,4                  | 7,2                  | 19,1                 | 0,5                                                               | 0,2           | 115                           | 13          | 601 242 00                                | 1,5         |
| 601 407 05  | 4                               | 13                        | 6                 | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 408 05  | 4                               | 13                        | 8                 | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 409 05  | 4                               | 13                        | 10                | 32,4                 | 11,6                 | 9,2                  | 25,4                 | 0,5                                                               | 0,2           | 205                           | 31          | 601 244 00                                | 2,7         |
| 601 411 05  | 9                               | 53                        | 8                 | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 412 05  | 9                               | 53                        | 10                | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 413 05  | 9                               | 53                        | 12                | 48                   | 15                   | 18                   | 33,3                 | 0,5                                                               | 0,2           | 615                           | 74          | 601 246 00                                | 8           |
| 601 415 05  | 17                              | 57                        | 10                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 416 05  | 17                              | 57                        | 12                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 418 05  | 17                              | 57                        | 16                | 50,8                 | 17,8                 | 15,3                 | 41,3                 | 0,5                                                               | 0,25          | 1200                          | 142         | 601 248 00                                | 12,7        |
| 601 420 00  | 30                              | 95                        | 12                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 422 00  | 30                              | 95                        | 16                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 424 00  | 30                              | 95                        | 20                | 59,6                 | 20,6                 | 18,4                 | 50                   | 0,5                                                               | 0,25          | 1375                          | 208         | 601 250 00                                | 20          |
| 601 430 00  | 44                              | 150                       | 16                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |
| 601 432 00  | 44                              | 150                       | 20                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |
| 601 434 00  | 44                              | 150                       | 30                | 78                   | 28,4                 | 21,2                 | 57,1                 | 0,5                                                               | 0,25          | 2610                          | 361         | 601 257 00                                | 30          |

<sup>1)</sup> Operating factors (without shaft displacement):

| Load Period      | Operating Factor |
|------------------|------------------|
| short term       | 1                |
| 1 hour per day   | 2                |
| 3 hours per day  | 4                |
| 6 hours per day  | 6                |
| 12 hours per day | 8                |