

## Quick Plug Couplings • with radial offset compensation and screwed flange

EH 25100.



### Product Description

Quick plug coupling with radial offset compensation requiring only little space. Suitable for multiple applications, e.g. as a link between a piston rod and a linear-movement unit.

### Material

#### Flange

- Heat-treated steel, tempered, phosphated

#### Coupling part

- Heat-treated steel, tempered, phosphated

#### Lock nut

- Steel, black (ISO 4035/8675)

### Assembly

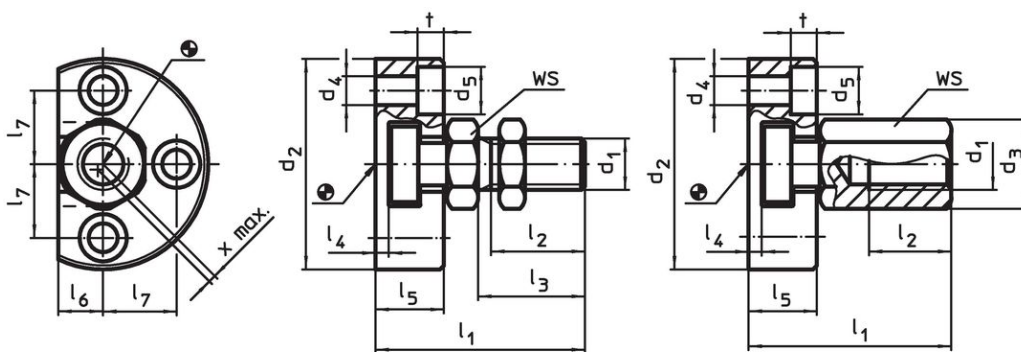
Assembly and disassembly of this simple, solid and two-part coupling is by means of a T-slot; a manual re-adjustment is not necessary. The quick plug coupling can be linked to all commonly used pneumatic and hydraulic lifting cylinders via the connecting thread.

### More information

### Notes

The quick plug coupling does not transmit any torque.

### Drawing



picture 1

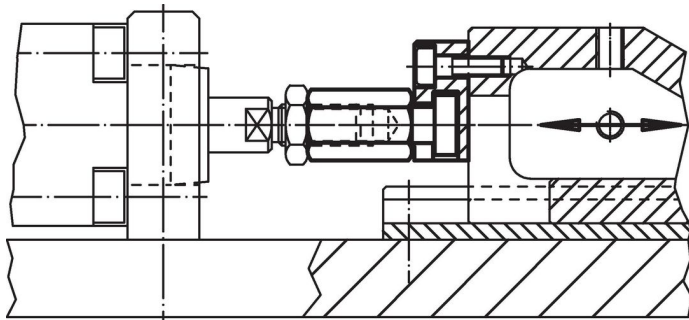
picture 2

### Order information

| d <sub>1</sub>                         | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | Dimensions     |                        |                |                |                |                |                | WS   | Radial offset compensation<br>x<br>max. | Maximum tensile and compressive load<br>max. | Art. No. |      |                            |  |
|--|----------------|----------------|----------------|----------------|----------------|------------------------|----------------|----------------|----------------|----------------|----------------|------|---|--|----------|------|----------------------------|--|
|  |                |                |                |                | l <sub>1</sub> | l <sub>2</sub><br>min. | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | l <sub>7</sub> |      |   |  |          | t    |                            |  |
| [mm]                                   |                |                |                |                |                |                        |                |                |                |                |                |      |   | [mm]   | [mm]     | [kN] | [g]                        |  |
| <b>with coupling screw – picture 1</b> |                |                |                |                |                |                        |                |                |                |                |                |      |   |  |          |      |                            |  |
| M 6                                    | 42             | –              | 5.5            | 10             | 30.5           | 11.0                   | 14             | 3.0            | 11.0           | 7.0            | 14.0           | 5.4  | 10                                      | 0.6  | 2.5      | 75   | <a href="#">25100.0206</a> |  |
| M 8                                    | 48             | –              | 6.6            | 11             | 35.5           | 13.5                   | 17             | 3.0            | 13.0           | 8.0            | 16.0           | 6.4  | 13                                      | 0.7  | 4.5      | 118  | <a href="#">25100.0208</a> |  |
| M10                                    | 50             | –              | 6.6            | 11             | 43.2           | 16.0                   | 20             | 4.2            | 16.0           | 9.0            | 17.0           | 6.4  | 17                                      | 0.7  | 6.5      | 175  | <a href="#">25100.0210</a> |  |
| M12                                    | 55             | –              | 6.6            | 11             | 53.2           | 21.0                   | 25             | 4.2            | 20.5           | 10.0           | 19.0           | 6.4  | 19                                      | 0.8  | 10.0     | 279  | <a href="#">25100.0212</a> |  |
| M16                                    | 65             | –              | 9.0            | 15             | 64.0           | 25.0                   | 30             | 5.0            | 23.0           | 12.5           | 22.5           | 8.5  | 24                                      | 1.0  | 18.0     | 455  | <a href="#">25100.0216</a> |  |
| M20                                    | 80             | –              | 11.0           | 18             | 74.0           | 29.0                   | 35             | 5.0            | 26.0           | 17.0           | 28.0           | 10.0 | 30                                      | 1.0  | 30.0     | 810  | <a href="#">25100.0220</a> |  |
| M10 x 1,25                             | 50             | –              | 6.6            | 11             | 43.2           | 16.0                   | 20             | 4.2            | 16.0           | 9.0            | 17.0           | 6.4  | 17                                      | 0.7  | 6.5      | 176  | <a href="#">25100.0230</a> |  |
| M12 x 1,25                             | 55             | –              | 6.6            | 11             | 53.2           | 21.0                   | 25             | 4.2            | 20.5           | 10.0           | 19.0           | 6.4  | 19                                      | 0.8  | 10.0     | 280  | <a href="#">25100.0232</a> |  |
| M16 x 1,5                              | 65             | –              | 9.0            | 15             | 64.0           | 25.0                   | 30             | 5.0            | 23.0           | 12.5           | 22.5           | 8.5  | 24                                      | 1.0  | 18.0     | 454  | <a href="#">25100.0236</a> |  |
| M20 x 1,5                              | 80             | –              | 11.0           | 18             | 74.0           | 29.0                   | 35             | 5.0            | 26.0           | 17.0           | 28.0           | 10.0 | 30                                      | 1.0  | 30.0     | 812  | <a href="#">25100.0240</a> |  |
| <b>with coupling nut – picture 2</b>   |                |                |                |                |                |                        |                |                |                |                |                |      |   |  |          |      |                            |  |
| M 6                                    | 42             | 11.0           | 5.5            | 10             | 30.5           | 11.0                   | –              | 3.0            | 11.0           | 7.0            | 14.0           | 5.4  | 10                                      | 0.6  | 2.5      | 77   | <a href="#">25100.0256</a> |  |
| M 8                                    | 48             | 14.4           | 6.6            | 11             | 35.5           | 13.5                   | –              | 3.0            | 13.0           | 8.0            | 16.0           | 6.4  | 13                                      | 0.7  | 4.5      | 123  | <a href="#">25100.0258</a> |  |
| M10                                    | 50             | 19.0           | 6.6            | 11             | 43.2           | 15.0                   | –              | 4.2            | 16.0           | 9.0            | 17.0           | 6.4  | 17                                      | 0.7  | 6.5      | 187  | <a href="#">25100.0260</a> |  |
| M12                                    | 55             | 21.2           | 6.6            | 11             | 53.2           | 17.5                   | –              | 4.2            | 20.5           | 10.0           | 19.0           | 6.4  | 19                                      | 0.8  | 10.0     | 295  | <a href="#">25100.0262</a> |  |
| M16                                    | 65             | 27.0           | 9.0            | 15             | 64.0           | 22.0                   | –              | 5.0            | 23.0           | 12.5           | 22.5           | 8.5  | 24                                      | 1.0  | 18.0     | 471  | <a href="#">25100.0266</a> |  |
| M20                                    | 80             | 34.0           | 11.0           | 18             | 74.0           | 25.0                   | –              | 5.0            | 26.0           | 17.0           | 28.0           | 10.0 | 30                                      | 1.0  | 30.0     | 850  | <a href="#">25100.0270</a> |  |

| d <sub>1</sub>    | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | Dimensions     |                        |                |                |                |                |                | WS   | Radial offset compensation x max. | Maximum tensile and compressive load max. | 🔩    | Art. No. |                            |  |
|-------------------|----------------|----------------|----------------|----------------|----------------|------------------------|----------------|----------------|----------------|----------------|----------------|------|-----------------------------------|---|------|----------|----------------------------|--|
|                   |                |                |                |                | l <sub>1</sub> | l <sub>2</sub><br>min. | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | l <sub>7</sub> |      |                                   |   |      |          | t                          |  |
| [mm]              |                |                |                |                |                |                        |                |                |                |                |                |      |                                   | [mm]                                      | [mm] | [kN]     | [g]                        |  |
| <b>M10 x 1,25</b> | 50             | 19.0           | 6.6            | 11             | 43.2           | 15.0                   | –              | 4.2            | 16.0           | 9.0            | 17.0           | 6.4  | 17                                | 0.7                                       | 6.5  | 188      | <a href="#">25100.0280</a> |  |
| <b>M12 x 1,25</b> | 55             | 21.2           | 6.6            | 11             | 53.2           | 17.5                   | –              | 4.2            | 20.5           | 10.0           | 19.0           | 6.4  | 19                                | 0.8                                       | 10.0 | 294      | <a href="#">25100.0282</a> |  |
| <b>M16 x 1,5</b>  | 65             | 27.0           | 9.0            | 15             | 64.0           | 22.0                   | –              | 5.0            | 23.0           | 12.5           | 22.5           | 8.5  | 24                                | 1.0                                       | 18.0 | 471      | <a href="#">25100.0286</a> |  |
| <b>M20 x 1,5</b>  | 80             | 34.0           | 11.0           | 18             | 74.0           | 25.0                   | –              | 5.0            | 26.0           | 17.0           | 28.0           | 10.0 | 30                                | 1.0                                       | 30.0 | 836      | <a href="#">25100.0290</a> |  |

### Application example



### Compliance

#### RoHS compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

#### Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 23.01.2024.

#### Does not contain Proposition 65 substances

No Proposition 65 substances included.

<https://www.P65Warnings.ca.gov/>

#### Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.