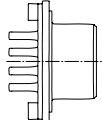


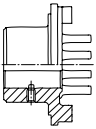
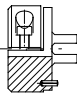



## Combination of hub designs



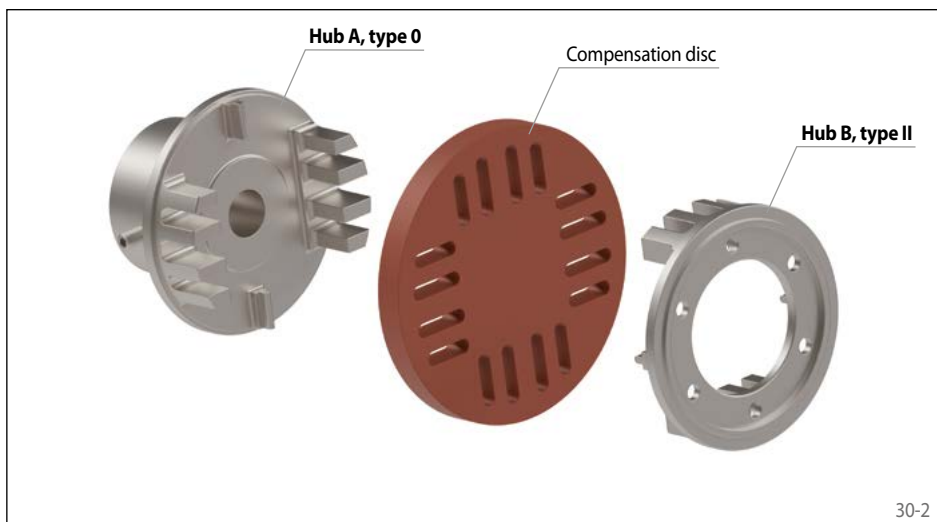
30-1

The design of the flexible coupling RDA ... ESO allows for the combination of various hub forms to suit available space.

|  | <br>Type 0 | <br>Type I | <br>Type II |
|--|--|--|---|
| <br>Type 0  | ●  | ●  | ●   |
| <br>Type I  | ●  | ●  |   |
| <br>Type II | ●  |  | ●   |

### Order example

|   | Code     |
|---|----------|
| Coupling design   | RDA      |
| Coupling size   | 0035     |
| Type  | ESO      |
| Material of the hub:<br>• Nodular cast iron   | GJS      |
| Hub A, type:<br>• 0, standard   | 0        |
| Hub A, design:<br>• finish bored with keyway<br>• roughbored  | FB<br>VA |
| Bore diameter hub A   | 028      |
| Hub B, type:<br>• II, flange hub  | 2        |
| Hub B, design:<br>• Mounting flange with through bore,<br>arrangement of the fastening holes<br>according to hole pattern | PE       |
| Pitch diameter T hub B  | 065      |
| Material of the compensation disc:<br>• HGW 2082 in accordance with<br>DIN 7735   | HG82     |

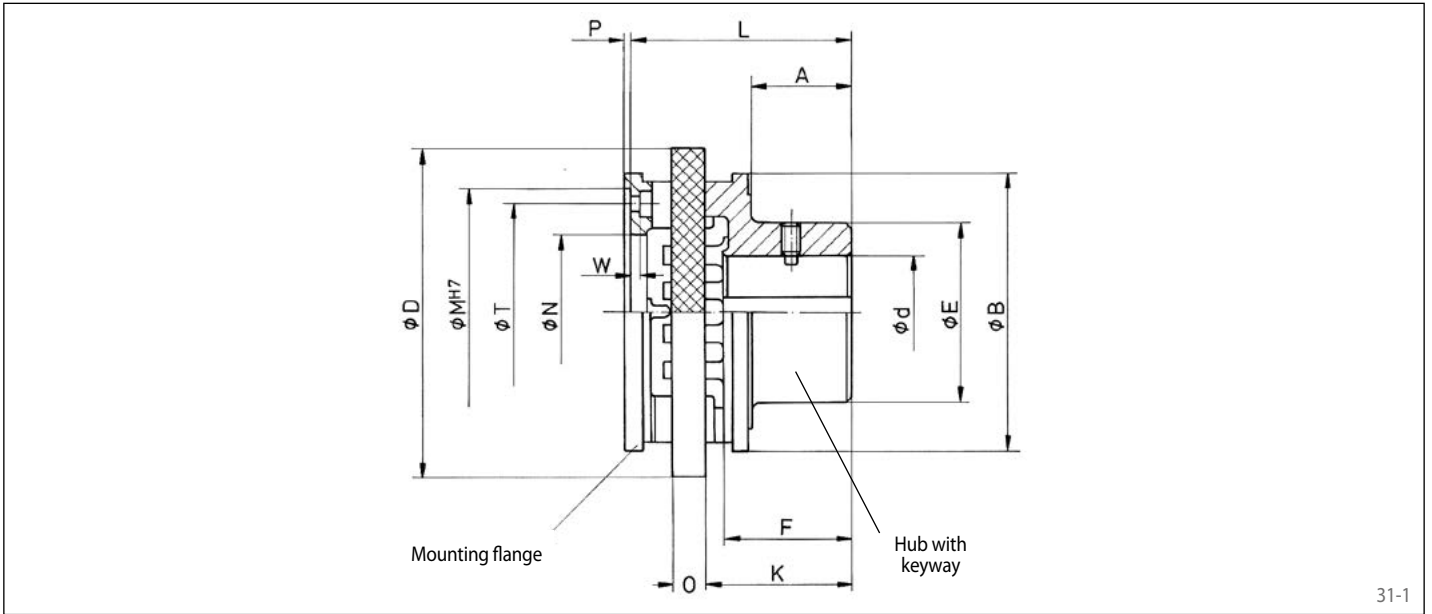


30-2

RDA 0035 ESO-GJS-0FB028-2PE065-HG82

## Example hub combination

### Hub with mounting flange – hub with keyway



31-1

| Coupling size | Max. torque<br>$T_{K \max}$<br>Nm | Max. speed<br>$n_{\max}$<br>$\text{min}^{-1}$ | Moment of inertia<br>$J_K$<br>$\text{kgm}^2$ | Max. misalignments* |           | Pilot bore d<br>mm | Finish bore d |         | A<br>mm | B<br>mm | D<br>mm | E<br>mm | F**<br>mm | K<br>mm | L<br>mm | M <sup>H7</sup><br>mm | N<br>mm | O<br>mm | P<br>mm | T<br>mm | W<br>mm | Z<br>mm | Hole pattern*** | Weight with rough bore<br>kg |
|---------------|-----------------------------------|---|--|---------------------|-----------|--------------------|---------------|---------|---------|---------|---------|---------|-----------|---------|---------|-----------------------|---------|---------|---------|---------|---------|---------|-----------------|------------------------------|
|               |                                   |   |  | Axial +/- mm        | Radial mm |                    | min. mm       | max. mm |         |         |         |         |           |         |         |                       |         |         |         |         |         |         |                 |                              |
| 0035          | 85                                | 4100  | 0,0011                                       | 1,50                | 1,75      | 15                 | 16            | 35      | 33      | 90      | 110     | 53      | 42        | 50,0    | 76,5    | 75                    | 45      | 12      | 2,5     | 65      | 3,5     | M 6     | 1               | 1,3                          |
| 0042          | 190                               | 3400  | 0,0032                                       | 1,50                | 2,1       | 19                 | 20            | 42      | 41      | 110     | 135     | 66      | 53        | 61,0    | 90,5    | 90                    | 52      | 14      | 2,5     | 75      | 4,5     | M 6     | 2               | 2,6                          |
| 0050          | 500                               | 2670  | 0,0075                                       | 2,00                | 2,5       | 29                 | 30            | 50      | 51      | 135     | 160     | 85      | 62        | 71,5    | 105,5   | 100                   | 65      | 16      | 4,5     | 88      | 4,5     | M 8     | 2               | 4,1                          |
| 0051          | 500                               | 2670  | 0,0074                                       | 2,00                | 2,5       | 29                 | 30            | 50      | 51      | 135     | 160     | 85      | 62        | 71,5    | 105,0   | 125                   | 76      | 16      | 3,0     | 108     | 5,0     | M 8     | 3               | 4,0                          |
| 0070          | 1000                              | 2140  | 0,0203                                       | 2,00                | 3,5       | 33                 | 34            | 70      | 65      | 163     | 200     | 104     | 79        | 90,0    | 131,0   | 135                   | 90      | 20      | 4,0     | 115     | 5,5     | M 10    | 2               | 7,7                          |
| 0090          | 2000                              | 1700  | 0,0782                                       | 2,50                | 4,5       | 48                 | 50            | 90      | 81      | 202     | 250     | 150     | 100       | 111     | 162,5   | 170                   | 104     | 25      | 4,5     | 150     | 7,0     | M 10    | 4               | 18,0                         |
| 0110          | 4000                              | 1350  | 0,2113                                       | 4,00                | 5,5       | 58                 | 60            | 110     | 101     | 254     | 315     | 175     | 124       | 140     | 204,0   | 200                   | 146     | 32      | 5,0     | 180     | 5,0     | M 12    | 3               | 31,6                         |
| 0140          | 8000                              | 1050  | 0,7485                                       | 4,50                | 7,0       | 72                 | 75            | 140     | 130     | 330     | 400     | 216     | 160       | 181     | 265,0   | 250                   | 157     | 40      | 5,0     | 225     | 8,0     | M 16    | 3               | 67,6                         |

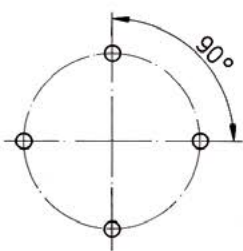
Tolerance of finish bores H7. Keyways in accordance with DIN 6885, sheet 1. Keyway tolerance P9.

\* max. angular displacement 3°.

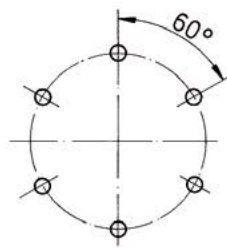
\*\* The hub length F can be shortened, which would change the dimensions A, C, K and L accordingly.

\*\*\* Arrangement of the fastening holes for screws (DIN EN ISO 4762) on pitch diameter T for coupling half with flange mounting.

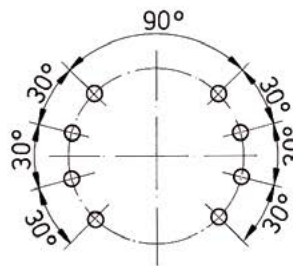
### Arrangement of the fastening holes



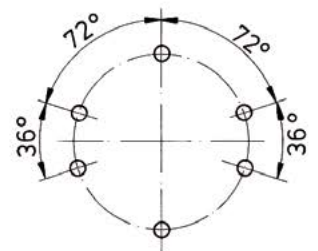
Hole pattern 1



Hole pattern 2



Hole pattern 3



Hole pattern 4