

# ROTEX® GS

## Backlash-free jaw couplings

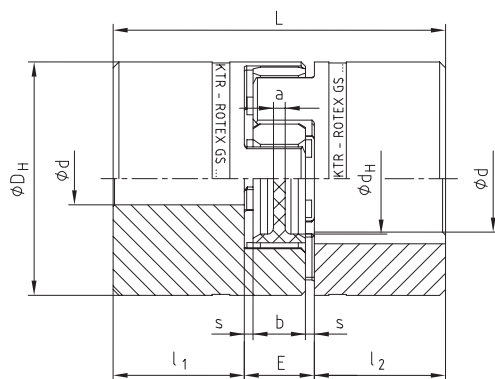
### Standard types



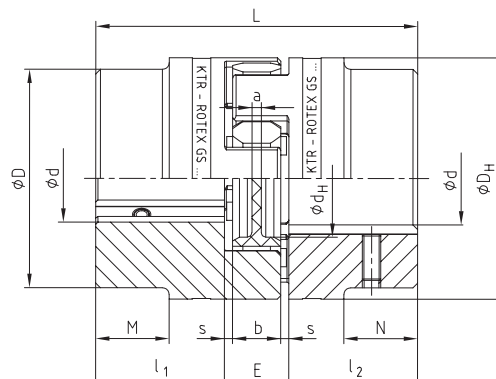
For legend of pictogram please refer to flapper on the cover



ROTEX® GS 5 - 38

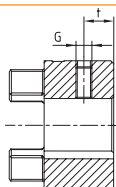


ROTEX® GS 42 - 90



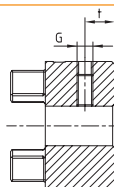
#### Types of hubs:

Type 1.0



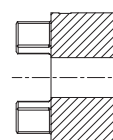
with feather keyway  
and setscrew

Type 1.1



without feather keyway,  
with setscrew

Type 1.2



without feather keyway  
and without setscrew

ROTEX® GS standard types - For size 5 to 38 hub material aluminium/for size 42 to 90 hub material steel

| ROTEX GS standard types - For size 5 to 65 has material aluminum/for size 42 to 65 has material steel |                                                                      |                                   |     |     |                 |                |                |     |                   |      |    |    |     |     |                          |     |                     |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------|-----|-----|-----------------|----------------|----------------|-----|-------------------|------|----|----|-----|-----|--------------------------|-----|---------------------|
| Size                                                                                                  | Spider GS <sup>1)</sup><br>torque T <sub>KN</sub> [Nm]<br>for 98 ShA | d <sub>max.</sub><br>for hub type |     |     | Dimensions [mm] |                |                |     |                   |      |    |    |     |     | Setscrew DIN EN ISO 4029 |     |                     |
|                                                                                                       |                                                                      | 1.0                               | 1.1 | 1.2 | D               | D <sub>H</sub> | d <sub>H</sub> | L   | l <sub>1, 2</sub> | M, N | E  | b  | s   | a   | G                        | t   | T <sub>A</sub> [Nm] |
| 5                                                                                                     | 0.9                                                                  | -                                 | 6   | 5   | -               | 10             | -              | 15  | 5                 | -    | 5  | 4  | 0.5 | 4.0 | M2                       | 2.5 | 0.35                |
| 7                                                                                                     | 2.0                                                                  | 7                                 | 7   | 7   | -               | 14             | -              | 22  | 7                 | -    | 8  | 6  | 1.0 | 6.0 | M3                       | 3.5 | 0.6                 |
| 9                                                                                                     | 5.0                                                                  | 10                                | 11  | 11  | -               | 20             | 7.2            | 30  | 10                | -    | 10 | 8  | 1.0 | 1.5 | M4                       | 5.0 | 1.5                 |
| 12                                                                                                    | 9.0                                                                  | 12                                | 12  | 12  | -               | 25             | 8.5            | 34  | 11                | -    | 12 | 10 | 1.0 | 3.5 | M4                       | 5.0 | 1.5                 |
| 14                                                                                                    | 12.5                                                                 | 16                                | 16  | 16  | -               | 30             | 10.5           | 35  | 11                | -    | 13 | 10 | 1.5 | 2.0 | M4                       | 5.0 | 1.5                 |
| 19                                                                                                    | 21                                                                   | 24                                | -   | -   | -               | 40             | 18             | 66  | 25                | -    | 16 | 12 | 2.0 | 3.0 | M5                       | 10  | 2.0                 |
| 24                                                                                                    | 60                                                                   | 28                                | -   | -   | -               | 55             | 27             | 78  | 30                | -    | 18 | 14 | 2.0 | 3.0 | M5                       | 10  | 2.0                 |
| 28                                                                                                    | 160                                                                  | 38                                | -   | -   | -               | 65             | 30             | 90  | 35                | -    | 20 | 15 | 2.5 | 4.0 | M8                       | 15  | 10                  |
| 38                                                                                                    | 325                                                                  | 45                                | -   | -   | -               | 80             | 38             | 114 | 45                | -    | 24 | 18 | 3.0 | 4.0 | M8                       | 15  | 10                  |
| 42                                                                                                    | 450                                                                  | 55                                | -   | -   | 85              | 95             | 46             | 126 | 50                | 28   | 26 | 20 | 3.0 | 4.0 | M8                       | 20  | 10                  |
| 48                                                                                                    | 525                                                                  | 62                                | -   | -   | 95              | 105            | 51             | 140 | 56                | 32   | 28 | 21 | 3.5 | 4.0 | M8                       | 20  | 10                  |
| 55                                                                                                    | 685                                                                  | 74                                | -   | -   | 110             | 120            | 60             | 160 | 65                | 37   | 30 | 22 | 4.0 | 4.5 | M10                      | 20  | 17                  |
| 65                                                                                                    | 940                                                                  | 80                                | -   | -   | 115             | 135            | 68             | 185 | 75                | 47   | 35 | 26 | 4.5 | 4.5 | M10                      | 20  | 17                  |
| 75                                                                                                    | 1920                                                                 | 95                                | -   | -   | 135             | 160            | 80             | 210 | 85                | 53   | 40 | 30 | 5.0 | 5.0 | M10                      | 25  | 17                  |
| 90                                                                                                    | 3600                                                                 | 110                               | -   | -   | 160             | 200            | 104            | 245 | 100               | 62   | 45 | 34 | 5.5 | 6.5 | M12                      | 30  | 40                  |

<sup>1)</sup> For selections see page 22 et seqq/other spiders see page 123 and following

#### Ordering example:

| ROTEX® GS 24  | 98 ShA-GS       | d 20                        | 2.5 - Ø24 |             | 1.0 - Ø20 |             |
|---------------|-----------------|-----------------------------|-----------|-------------|-----------|-------------|
| Coupling size | Spider hardness | Optional:<br>Bore in spider | Hub type  | Finish bore | Hub type  | Finish bore |