

# RIZ..G1G2 RIZ..G2G7 RINZ..G5G5



RIZ.. G1G2

## TYPE

RIZ..G1G2

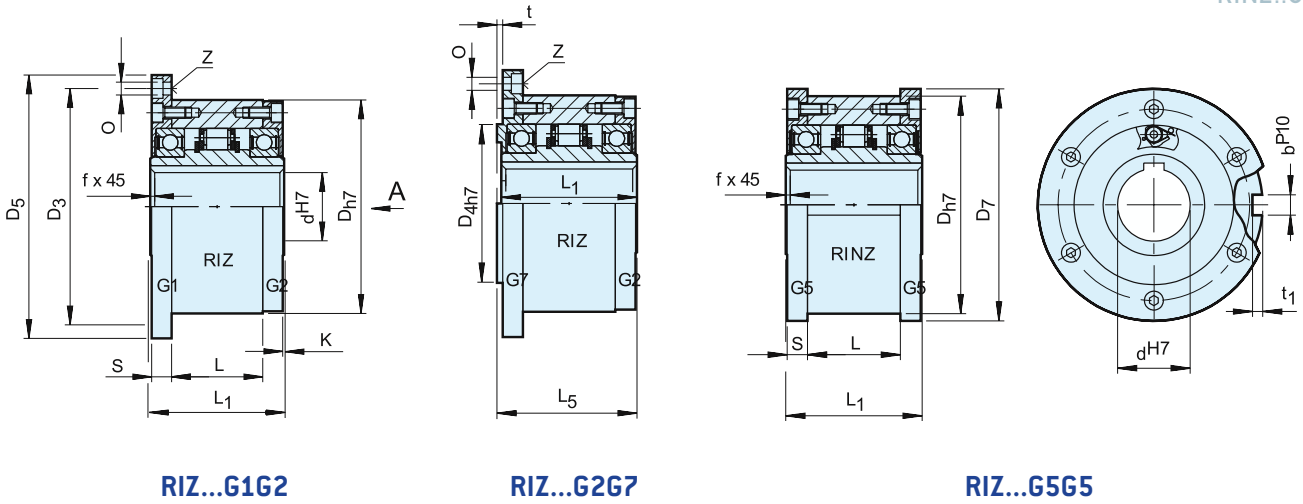
RINZ.. G5G5



Types RIZ..G1G2/G7G2, RINZ..G5G5 are centrifugal lift off sprag type freewheels with the inner race rotating. Only the inner race is designed for freewheeling.

These are self-contained units designed for overrunning clutch applications. Typically used in crawl drives, where the overrunning speed is high but the drive speed is low and does not exceed the maximum driving

speed specified in the table. They are type RIZ, RINZ (» see page 80 for more information) equipped with G type covers featuring a grease pocket and contact free seal. When ordered complete, the unit is delivered grease lubricated, ready for either horizontal or vertical installation.



RIZ...G1G2

RIZ...G2G7

RIZ...G5G5

| Type        | Size | Speeds                 |                        |   |  |  |                  |               |               |               |               | Number |      |           |               |           |               | Weight |           |               |                   |
|-------------|------|------------------------|------------------------|---|--|--|------------------|---------------|---------------|---------------|---------------|--------|------|-----------|---------------|-----------|---------------|--------|-----------|---------------|-------------------|
|             |      | $d_{H7}^{(1)}$<br>[mm] | $T_{KN}^{(1)}$<br>[Nm] | $n_{max}^{(2)}$<br>[min <sup>-1</sup> ] | $n_{imin}^{(3)}$<br>[min <sup>-1</sup> ] | $n_{imax}^{(4)}$<br>[min <sup>-1</sup> ] | $D_{H7}$<br>[mm] | $D_3$<br>[mm] | $D_4$<br>[mm] | $D_5$<br>[mm] | $D_7$<br>[mm] | 0      | z    | S<br>[mm] | $L_1$<br>[mm] | L<br>[mm] | $L_5$<br>[mm] |        | t<br>[mm] | $t_1$<br>[mm] | $b^{P10}$<br>[mm] |
| RIZ<br>RINZ | 30   | 375                    | 350                    | 780                                     | 9000                                     | 100                                      | 114              | 75            | 128           | 109           | 6.6           | 6      | 11.5 | 68        | 43            | 70        | 3             | 4      | 8         | 1.0           | 3.9               |
|             | 35   | 550                    | 320                    | 740                                     | 8500                                     | 110                                      | 124              | 80            | 140           | 119           | 6.6           | 6      | 13.5 | 74        | 45            | 76        | 3.5           | 5      | 10        | 1.0           | 4.9               |
|             | 40   | 800                    | 315                    | 720                                     | 7500                                     | 125                                      | 142              | 90            | 160           | 135           | 9             | 6      | 15.5 | 86        | 53            | 88        | 3.5           | 5      | 12        | 1.5           | 7.5               |
|             | 45   | 912                    | 285                    | 665                                     | 6600                                     | 130                                      | 146              | 95            | 165           | 140           | 9             | 8      | 15.5 | 86        | 53            | 88        | 3.5           | 5.5    | 14        | 1.5           | 7.8               |
|             | 50   | 1400                   | 265                    | 610                                     | 6000                                     | 150                                      | 166              | 110           | 185           | 160           | 9             | 8      | 14   | 94        | 64            | 96        | 4             | 5.5    | 14        | 1.5           | 10.8              |
|             | 60   | 2350                   | 200                    | 490                                     | 5300                                     | 170                                      | 192              | 125           | 214           | 182           | 11            | 10     | 17   | 114       | 78            | 116       | 4             | 7      | 18        | 2.0           | 16.8              |
|             | 70   | 3050                   | 210                    | 480                                     | 4100                                     | 190                                      | 212              | 140           | 234           | 202           | 11            | 10     | 18.5 | 134       | 95            | 136       | 4             | 7.5    | 20        | 2.5           | 20.8              |
|             | 80   | 4500                   | 190                    | 450                                     | 3600                                     | 210                                      | 232              | 160           | 254           | 222           | 11            | 10     | 21   | 144       | 100           | 146       | 4             | 9      | 22        | 2.5           | 27                |
|             | 90   | 5600                   | 180                    | 420                                     | 2700                                     | 230                                      | 254              | 180           | 278           | 242           | 14            | 10     | 20.5 | 158       | 115           | 160       | 4.5           | 9      | 25        | 3.0           | 40                |
|             | 100  | 10500                  | 200                    | 455                                     | 2700                                     | 270                                      | 305              | 210           | 335           | 282           | 18            | 10     | 30   | 182       | 120           | 184       | 5             | 10     | 28        | 3.0           | 67                |
|             | 130  | 15750                  | 180                    | 415                                     | 2400                                     | 310                                      | 345              | 240           | 380           | 322           | 18            | 12     | 29   | 212       | 152           | 214       | 5             | 11     | 32        | 3.0           | 94                |

## NOTES

- $T_{max} = 2 \times T_{KN}$   
» Refer to Selection page 10 to 13
- This maximum allowable torque transmission speed  $n_{max}$  must not be exceeded when transmitting torque
- This minimum allowable overrunning speed  $n_{imin}$  should not be reduced under continuous operation. Possible reduction of this minimum speed on request
- Inner race overruns  
Keyway to DIN 6885.1

When ordering, please specify direction of rotation seen from arrow „A“: „R“ Inner race overruns in clockwise direction, „L“ Inner race overruns in counterclockwise direction

» Refer to mounting and maintenance instructions page 16 to 19

## MOUNTING EXAMPLE

