

Centrifugally Lift Off Sprags Freewheels

RIZ..G1G2, RIZ..G2G7 RINZ..G5G5



Back of
RIZ..G1G2

TYPE



RIZ..G1G2

RINZ.. G5G5

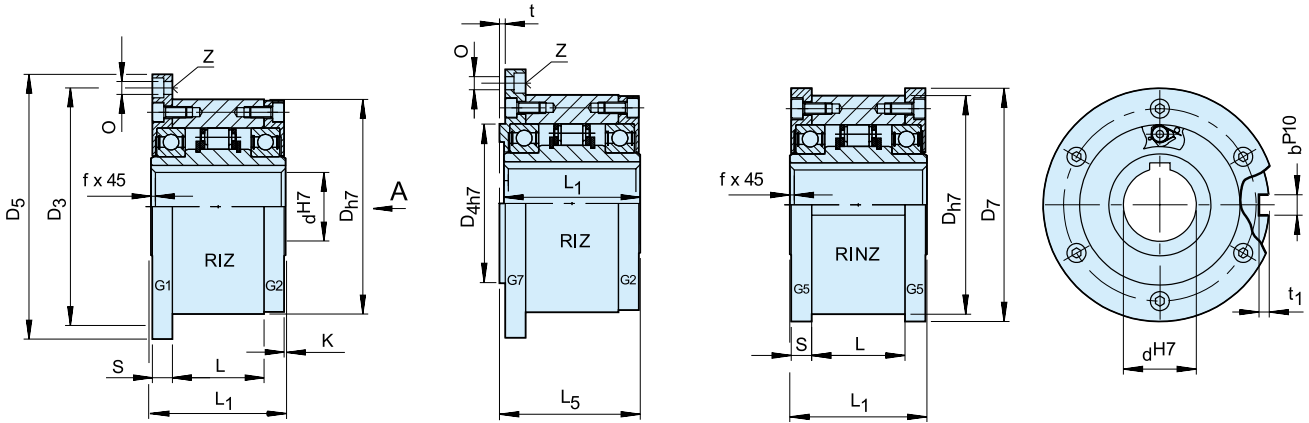
Types RIZ..G1G2/G7G2, RINZ..G5G5 are centrifugal lift off sprag type freewheels with the inner race rotating. Only the inner race is designed for freewheeling.

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 82 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.

Centrifugally Lift Off Sprags Freewheels

RIZ..G1G2, RIZ..G2G7, RINZ..G5G5



RIZ...G1G2

RIZ...G2G7

RINZ...G5G5

| Type | Size | Speeds | | | | | Number | | | | | | | | | | Weight | | | | |
|-------------|------------------|-----------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|------------------|---------------|-------------------|---------------|---------------|-----|-----|-------------|---------------|-------------|---------------|-------------|---------------|-------------------|-------------|----------------|
| RIZ RINZ | d^{H7} [mm] | $T_{KN}^{1)}$ [Nm] | $n_{max}^{2)}$ [min ⁻¹] | $n_{imin}^{3)}$ [min ⁻¹] | $n_{imax}^{4)}$ [min ⁻¹] | D_{h7} [mm] | D_3 [mm] | D_{4h7} [mm] | D_5 [mm] | D_7 [mm] | O | z | S [mm] | L_1 [mm] | L [mm] | L_5 [mm] | t [mm] | t_1 [mm] | b^{P10} [mm] | f [mm] | Weight [kg] |
| | 30 | 375 | 290 | 700 | 9000 | 100 | 114 | 75 | 128 | 109 | 6,6 | 6 | 11,5 | 68 | 43 | 70 | 3 | 4 | 8 | 1,0 | 3,9 |
| | 35 | 550 | 280 | 670 | 8500 | 110 | 124 | 80 | 140 | 119 | 6,6 | 6 | 13,5 | 74 | 45 | 76 | 3,5 | 5 | 10 | 1,0 | 4,9 |
| | 40 | 800 | 260 | 630 | 7500 | 125 | 142 | 90 | 160 | 135 | 9 | 6 | 15,5 | 86 | 53 | 88 | 3,5 | 5 | 12 | 1,5 | 7,5 |
| | 45 | 912 | 255 | 610 | 6700 | 130 | 146 | 95 | 165 | 140 | 9 | 8 | 15,5 | 86 | 53 | 88 | 3,5 | 5,5 | 14 | 1,5 | 7,8 |
| | 50 | 1400 | 235 | 560 | 6000 | 150 | 166 | 110 | 185 | 160 | 9 | 8 | 14 | 94 | 64 | 96 | 4 | 5,5 | 14 | 1,5 | 10,8 |
| | 60 | 2350 | 210 | 510 | 5300 | 170 | 192 | 125 | 214 | 182 | 11 | 10 | 17 | 114 | 78 | 116 | 4 | 7 | 18 | 2,0 | 16,8 |
| | 70 | 3050 | 195 | 470 | 4000 | 190 | 212 | 140 | 234 | 202 | 11 | 10 | 18,5 | 134 | 95 | 136 | 4 | 7,5 | 20 | 2,5 | 20,8 |
| | 80 | 5800 | 155 | 375 | 4000 | 210 | 232 | 160 | 254 | 222 | 11 | 10 | 21 | 144 | 100 | 146 | 4 | 9 | 22 | 2,5 | 27 |
| | 90 | 8700 | 145 | 350 | 3000 | 230 | 254 | 180 | 278 | 242 | 14 | 10 | 20,5 | 158 | 115 | 160 | 4,5 | 9 | 25 | 3,0 | 40 |
| | 100 | 16000 | 140 | 340 | 2400 | 270 | 305 | 210 | 335 | 282 | 18 | 10 | 30 | 182 | 120 | 184 | 5 | 10 | 28 | 3,0 | 67 |
| | 130 | 23000 | 130 | 320 | 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 7 to 11
- 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 12 to 13

MOUNTING EXAMPLE

