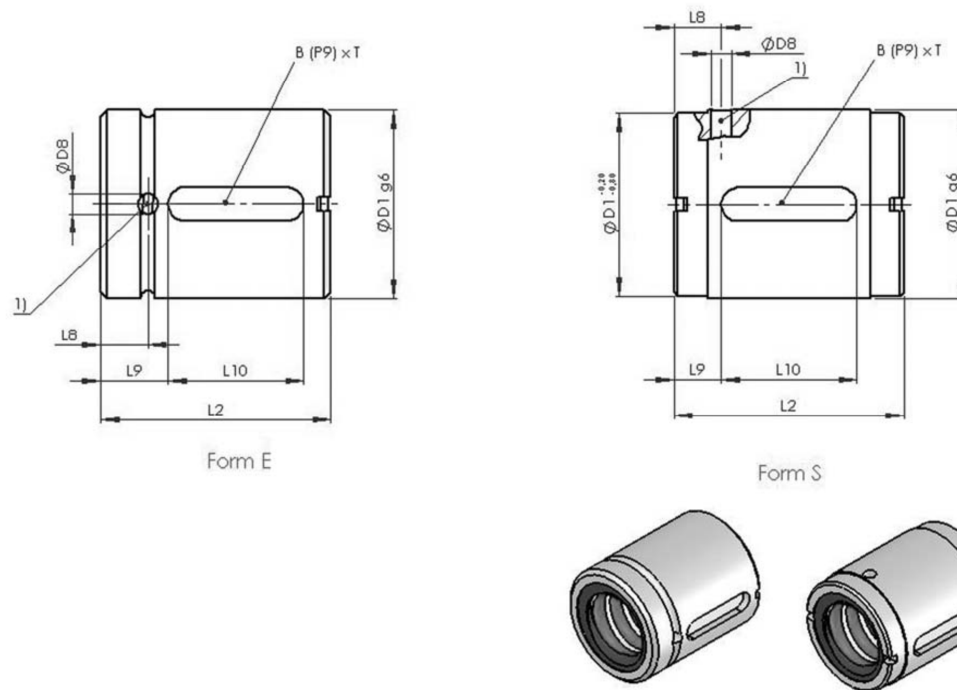


## Data sheet cylindrical ball nuts KGM-N



Material: 1.7131 (ESP65) or 1.3505 (100 Cr6)

| Type<br>Diameter [mm]<br>Lead (mm)<br>Right hand thread | Form | Dimensions [mm]  |       |       |       |       |          |              | Axial<br>backlash<br>max<br>[mm] | No.<br>of<br>circuits | Load rating [kN] |           |                |
|---|------|------------------|-------|-------|-------|-------|----------|--------------|----------------------------------|-----------------------|------------------|-----------|----------------|
|   |      | $D_1$            | $D_8$ | $L_2$ | $L_8$ | $L_9$ | $L_{10}$ | $B \times T$ |                                  |                       | $C^{(2)}$        | $C^{(3)}$ | $C_0 = C_{0a}$ |
| KGM-N 1205 RH-EE  | E    | 20 <sup>4)</sup> | -     | 24    | -     | 5     | 14       | 3x1,8        | 0,08                             | 3                     | 6,0              | 4,4       | 6,8            |
| KGM-N-2005 RH-EE  | E    | 32               | 3     | 34    | 7     | 7     | 20       | 5x2          | 0,08                             | 3                     | 14,0             | 10,5      | 16,6           |
| KGM-N-2020-RH-EE  | S    | 35               | 1,5   | 30    | 11,5  | 9     | 12       | 5x3          | 0,08                             | 4                     | 12,0             | 11,6      | 18,4           |
| KGM-N-2050-RH-EE  | S    | 35               | 1,5   | 56    | 16    | 18    | 20       | 5x2,2        | 0,15                             | 5                     | 18,0             | 13,0      | 24,6           |
| KGM-N-2505 RH-EE  | E    | 38               | 3     | 34    | 7     | 7     | 20       | 5x2          | 0,08                             | 3                     | 15,0             | 12,3      | 22,5           |
| KGM-N 3205 RH-EE  | E    | 45               | 3     | 45    | 7,5   | 8     | 30       | 6x2,5        | 0,08                             | 5                     | 24,0             | 21,5      | 49,3           |
| KGM-N-3210 RH-EE  | E    | 53               | 4     | 60    | 10    | 15    | 30       | 6x2,5        | 0,08                             | 3                     | 44,0             | 33,4      | 54,5           |
| KGM-N-3220-RH-EE  | E    | 53               | 3     | 70    | 7,5   | 20    | 30       | 6x2,5        | 0,08                             | 4                     | 42,5             | 29,7      | 59,8           |
| KGM-N-3240-RH-EE  | S    | 53 <sup>5)</sup> | 1,5   | 45    | 13    | 10    | 25       | 6x4          | 0,08                             | 4                     | 17,0             | 14,9      | 32,4           |
| KGM-D-4005 RH-EE  | E    | 53               | 3     | 45    | 7,5   | 8     | 30       | 6x2,5        | 0,08                             | 5                     | 26,0             | 23,8      | 63,1           |
| KGM-N-5010 RH-EE  | E    | 72               | 4     | 82    | 11    | 23    | 36       | 6x2,5        | 0,08                             | 5                     | 78,0             | 68,7      | 155,8          |
| KGM-N-5020-RH-EE  | E    |                  | 4     | 82    | 10    | 23    | 36       | 6x2,5        | 0,08                             | 4                     | 82,0             | 60,0      | 136,3          |
| KGM-N-6310 RH-EE  | E    | 85               | 4     | 82    | 11    | 23    | 36       | 6x2,5        | 0,08                             | 5                     | 86,0             | 76,0      | 197,0          |
| KGM-N-8010-RH-EE  | E    | 105              | 4     | 82    | 11    | 23    | 36       | 8x3,1        | 0,08                             | 5                     | 95,0             | 85,0      | 260,0          |

<sup>1)</sup> Position of grease holes not defined on circumference

<sup>2)</sup> Dynamic load rating according to DIN 69051 part 4 draft 1978.

<sup>3)</sup> Dynamic load rating according to DIN 69051 part 4 draft 1989.

<sup>4)</sup> Nut without wiper.

<sup>5)</sup>  $D_1 -0,2/-0,8$  does not apply, therefore  $D_1 -1,0/-1,5$ .