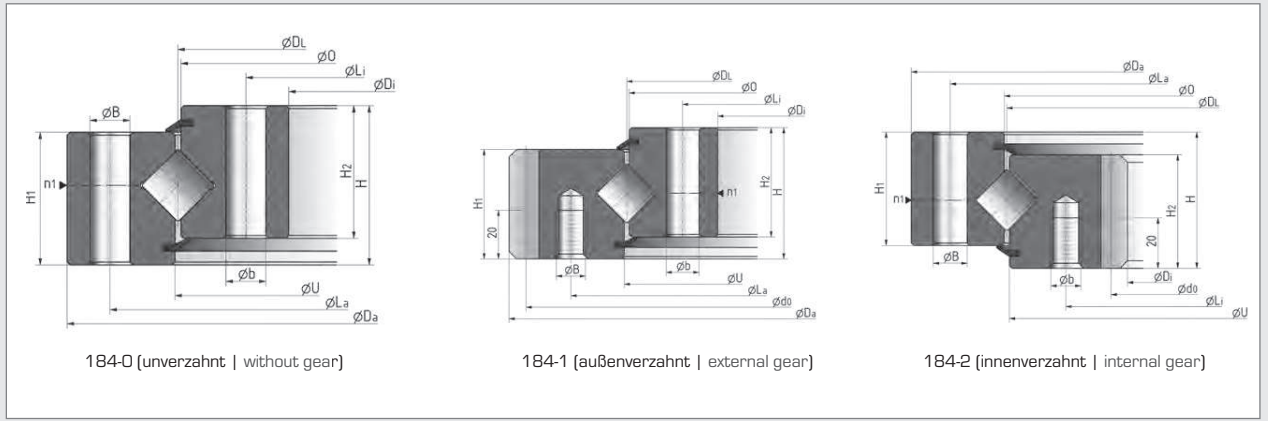


Kreuzrollen-Drehverbindung; 1-reihig

Single-row Crossed-roller Slewing Bearing



unverzahnt

| D_a^* [mm] | D_i^* [mm] | H [mm] | H_1 [mm] | H_2 [mm] | O [mm] | U [mm] | G [kg] | L_a [mm] | n_a [-] | B [mm] | L_i [mm] | n_i [-] | b [mm] | axial [mm] | radial [mm] | Bestell Nr. Part No. |
|-----------------|-----------------|-----------|---------------|---------------|-----------|-----------|-----------|---------------|--------------|-----------|---------------|--------------|-----------|---------------|----------------|-------------------------|
| 484 | 344 | 56 | 44,5 | 44,5 | 413 | 415 | 28 | 460 | 24 | 14 | 368 | 24 | 14 | 0,04 | 0,06 | 184-014-0414 |
| 614 | 474 | 56 | 44,5 | 44,5 | 543 | 545 | 38 | 590 | 32 | 14 | 498 | 32 | 14 | 0,04 | 0,07 | 184-014-0544 |
| 714 | 574 | 56 | 44,5 | 44,5 | 643 | 645 | 44 | 690 | 36 | 14 | 598 | 36 | 14 | 0,05 | 0,08 | 184-014-0644 |
| 814 | 674 | 56 | 44,5 | 44,5 | 743 | 745 | 52 | 790 | 40 | 14 | 698 | 40 | 14 | 0,05 | 0,09 | 184-014-0744 |
| 914 | 774 | 56 | 44,5 | 44,5 | 843 | 845 | 60 | 890 | 40 | 14 | 798 | 40 | 14 | 0,06 | 0,09 | 184-014-0844 |
| 1014 | 874 | 56 | 44,5 | 44,5 | 943 | 945 | 67 | 990 | 44 | 14 | 898 | 44 | 14 | 0,06 | 0,11 | 184-014-0944 |
| 1164 | 1024 | 56 | 44,5 | 44,5 | 1093 | 1095 | 77 | 1140 | 48 | 14 | 1048 | 48 | 14 | 0,07 | 0,11 | 184-014-1094 |

außenverzahnt

| D_a [mm] | D_i^* [mm] | H [mm] | H_1 [mm] | H_2 [mm] | O [mm] | U* [mm] | G [kg] | L_a [mm] | n_a [-] | B [mm] | L_i [mm] | n_i [-] | b [mm] | axial [mm] | radial [mm] | Bestell Nr. Part No. |
|---------------|-----------------|-----------|---------------|---------------|-----------|------------|-----------|---------------|--------------|-----------|---------------|--------------|-----------|---------------|----------------|-------------------------|
| 503,3 | 344 | 56 | 44,5 | 44,5 | 413 | 417 | 32 | 455 | 20 | M12 | 368 | 24 | 14 | 0,04 | 0,06 | 184-114-0414 |
| 640,3 | 474 | 56 | 44,5 | 44,5 | 543 | 547 | 44 | 585 | 28 | M12 | 498 | 32 | 14 | 0,04 | 0,07 | 184-114-0544 |
| 742,3 | 574 | 56 | 44,5 | 44,5 | 643 | 647 | 52 | 685 | 32 | M12 | 598 | 36 | 14 | 0,05 | 0,08 | 184-114-0644 |
| 838,1 | 674 | 56 | 44,5 | 44,5 | 743 | 747 | 59 | 785 | 36 | M12 | 698 | 40 | 14 | 0,05 | 0,08 | 184-114-0744 |
| 950,1 | 774 | 56 | 44,5 | 44,5 | 843 | 847 | 71 | 885 | 36 | M12 | 798 | 40 | 14 | 0,05 | 0,09 | 184-114-0844 |
| 1046,1 | 874 | 56 | 44,5 | 44,5 | 943 | 947 | 77 | 985 | 40 | M12 | 898 | 44 | 14 | 0,06 | 0,09 | 184-114-0944 |
| 1198,1 | 1024 | 56 | 44,5 | 44,5 | 1093 | 1097 | 91 | 1135 | 44 | M12 | 1048 | 48 | 14 | 0,07 | 0,11 | 184-114-1094 |

innenverzahnt

| D_a^* [mm] | D_i [mm] | H [mm] | H_1 [mm] | H_2 [mm] | O [mm] | U* [mm] | G [kg] | L_a [mm] | n_a [-] | B [mm] | L_i [mm] | n_i [-] | b [mm] | axial [mm] | radial [mm] | Bestell Nr. Part No. |
|-----------------|---------------|-----------|---------------|---------------|-----------|------------|-----------|---------------|--------------|-----------|---------------|--------------|-----------|---------------|----------------|-------------------------|
| 484 | 325 | 56 | 44,5 | 44,5 | 415 | 411 | 31 | 460 | 24 | 14 | 375 | 24 | M12 | 0,04 | 0,06 | 184-214-0414 |
| 614 | 444 | 56 | 44,5 | 44,5 | 545 | 541 | 43 | 590 | 32 | 14 | 505 | 32 | M12 | 0,04 | 0,07 | 184-214-0544 |
| 714 | 546 | 56 | 44,5 | 44,5 | 645 | 641 | 50 | 690 | 36 | 14 | 605 | 36 | M12 | 0,05 | 0,08 | 184-214-0644 |
| 814 | 648 | 56 | 44,5 | 44,5 | 745 | 741 | 58 | 790 | 40 | 14 | 705 | 40 | M12 | 0,05 | 0,09 | 184-214-0744 |
| 914 | 736 | 56 | 44,5 | 44,5 | 845 | 841 | 69 | 890 | 40 | 14 | 805 | 40 | M12 | 0,06 | 0,09 | 184-214-0844 |
| 1014 | 840 | 56 | 44,5 | 44,5 | 945 | 941 | 76 | 990 | 44 | 14 | 905 | 44 | M12 | 0,06 | 0,11 | 184-214-0944 |
| 1164 | 984 | 56 | 44,5 | 44,5 | 1095 | 1091 | 91 | 1140 | 48 | 14 | 1055 | 48 | M12 | 0,07 | 0,11 | 184-214-1094 |

* Lager grundsätzlich mit Zentrierung; Außendurchmesser mit -IT7 und Innendurchmesser mit +IT7 toleriert;
* Bearings always with centering; outer diameter tolerance -IT7; inner diameter tolerance +IT7;

Lager grundsätzlich vorgespannt
Bearings generally preloaded

Kreuzrollen-Drehverbindung; 1-reihig Single-row Crossed-roller Slewing Bearing

Abmessungen | dimensions

siehe Zeichnung | see drawing

Verzahnungsdaten | gear data

| | |
|-------|---|
| d_o | Teilkreisdurchmesser pitch circle diameter |
| m | Modul module |
| z | Zähnezahl number of teeth |
| x | Profilverschiebungsfaktor addendum modification coefficient |
| f_z | Zahnkraft gear tooth force |

Sonstige Daten | other data

| | |
|-------------|---|
| G | Gewicht weight |
| n_i / n_a | Bohrungsanzahl number of boreholes |
| n_1 | Anzahl der Schmiernippel number of grease nipples |

Tragzahlen | load ratings

| | |
|----------|----------------------------|
| C_{0a} | axial statisch static |
| C_{0r} | radial statisch static |
| C_a | axial dynamisch dynamic |
| C_r | radial dynamisch dynamic |



without gear

| d_o [mm] | m [mm] | z [-] | x [-] | f_z norm [kN] | f_z max [kN] | C_{0a} [kN] | C_{0r} [kN] | C_a [kN] | C_r [kN] | n_1 [-] |
|---------------|-------------|------------|------------|--------------------|-------------------|------------------|------------------|---------------|---------------|--------------|
| - | - | - | - | - | - | 520 | 250 | 229 | 146 | 4 |
| - | - | - | - | - | - | 680 | 330 | 270 | 170 | 4 |
| - | - | - | - | - | - | 800 | 395 | 290 | 185 | 4 |
| - | - | - | - | - | - | 930 | 455 | 315 | 200 | 4 |
| - | - | - | - | - | - | 1050 | 510 | 340 | 215 | 4 |
| - | - | - | - | - | - | 1170 | 580 | 360 | 227 | 4 |
| - | - | - | - | - | - | 1360 | 670 | 390 | 246 | 4 |

external gear

| d_o [mm] | m [mm] | z [-] | x [-] | f_z norm [kN] | f_z max [kN] | C_{0a} [kN] | C_{0r} [kN] | C_a [kN] | C_r [kN] | n_1 [-] |
|---------------|-------------|------------|------------|--------------------|-------------------|------------------|------------------|---------------|---------------|--------------|
| 495 | 5 | 99 | 0 | 16 | 24 | 520 | 250 | 229 | 146 | 4 |
| 630 | 6 | 105 | 0 | 21 | 32 | 680 | 330 | 270 | 170 | 4 |
| 732 | 6 | 122 | 0 | 21 | 32 | 800 | 395 | 290 | 185 | 4 |
| 828 | 6 | 138 | 0 | 21 | 32 | 930 | 455 | 315 | 200 | 4 |
| 936 | 8 | 117 | 0 | 28 | 42 | 1050 | 510 | 340 | 215 | 4 |
| 1032 | 8 | 129 | 0 | 28 | 42 | 1170 | 580 | 360 | 227 | 4 |
| 1184 | 8 | 148 | 0 | 28 | 42 | 1360 | 670 | 390 | 246 | 4 |

internal gear

| d_o [mm] | m [mm] | z [-] | x [-] | f_z norm [kN] | f_z max [kN] | C_{0a} [kN] | C_{0r} [kN] | C_a [kN] | C_r [kN] | n_1 [-] |
|---------------|-------------|------------|------------|--------------------|-------------------|------------------|------------------|---------------|---------------|--------------|
| 335 | 5 | 67 | 0 | 18 | 26 | 520 | 250 | 229 | 146 | 4 |
| 456 | 6 | 76 | 0 | 24 | 35 | 680 | 330 | 270 | 170 | 4 |
| 558 | 6 | 93 | 0 | 24 | 35 | 800 | 395 | 290 | 185 | 4 |
| 660 | 6 | 110 | 0 | 24 | 35 | 930 | 455 | 315 | 200 | 4 |
| 752 | 8 | 94 | 0 | 31 | 47 | 1050 | 510 | 340 | 215 | 4 |
| 856 | 8 | 107 | 0 | 31 | 47 | 1170 | 580 | 360 | 227 | 4 |
| 1000 | 8 | 125 | 0 | 31 | 47 | 1360 | 670 | 390 | 246 | 4 |

Zentrierhöhen für D_a^* und D_r^* min. 10 mm, für U^* min. 4,5 mm
 centering height for D_a^* and D_r^* min. 10 mm, for U^* min. 4,5 mm