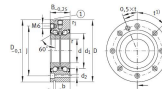
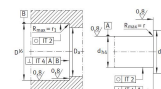


# ZKLF Series Bearings for screw drives



ZKLF...2Z (60 mm ≤ d ≤ 100 mm)  
3) Extraction slot  
(for pitch L, see dimension table)



Design of adjacent construction

| Обозначение   | Масса (кг) | Размеры (мм) |      |      |      |         |        |     |     |   |    | Pitch   |        | Mounting dimensions(mm) |        | Fixing screws DIN EN ISO 4762 10.9 |        | Basic load ratings axial(N) |        | Fatigue limit load | Ограничение скорости | Thermally safe operating speed | Bearing frictional torque MR Nm | Rigidity axial cal. N/μm | Tilting rigidity ckl. | Mass moment of inertia Mm | Axial runout μm    | Recommended INA precision locknut |                      |     | Required locknut force axial N |
|---------------|------------|--------------|------|------|------|---------|--------|-----|-----|---|----|---------|--------|-------------------------|--------|------------------------------------|--------|-----------------------------|--------|--------------------|----------------------|--------------------------------|---------------------------------|--------------------------|-----------------------|---------------------------|--------------------|-----------------------------------|----------------------|-----|--------------------------------|
|               |            | A:           | D:   | B:   | d1   | r (мин) | r1 мин | Дж  | d2  | б | l  | Да макс | да мин | t1                      | Размер | пакта                              | Ca     | Koa                         | Cu N   | nG grease min-1    | nP min-1             |                                |                                 |                          |                       |                           | For radial locking | For axial locking                 | Tightening torque Nm |     |                                |
| ZKLF1255-2RS  | 0.37       | 12           | 55   | 25   | 25   | 0,3     | 0,6    | 42  | 6,8 | 3 | 17 | 3×120*  | 33     | 16                      | 0.1    | M6                                 | 3×120* | 18600                       | 24700  | 1460               | 9200                 | 3800                           | 0.16                            | 375                      | 50                    | 0.068                     | 2                  | ZM12                              | -                    | 8   | 5307                           |
| ZKLF1255-2Z   | 0.37       | 12           | 55   | 25   | 25   | 0,3     | 0,6    | 42  | 6,8 | 3 | 17 | 3×120*  | 33     | 16                      | 0.1    | M6                                 | 3×120* | 18600                       | 24700  | 1460               | 12000                | 7600                           | 0.08                            | 375                      | 50                    | 0.068                     | 2                  | ZM12                              | -                    | 8   | 5307                           |
| ZKLF1560-2RS  | 0.43       | 1515         | 6060 | 2525 | 28   | 0,3     | 0,6    | 46  | 6,8 | 3 | 17 | 3×120*  | 35     | 20                      | 0.1    | M6                                 | 3×120* | 19600                       | 28000  | 1650               | 8200                 | 3500                           | 0.2                             | 400                      | 65                    | 0.102                     | 2                  | ZM15                              | AM15                 | 10  | 5484                           |
| ZKLF1560-2Z   | 0.43       | 15           | 60   | 25   | 28   | 0,3     | 0,6    | 46  | 6,8 | 3 | 17 | 3×120*  | 35     | 20                      | 0.1    | M6                                 | 3×120* | 19600                       | 28000  | 1650               | 10800                | 7000                           | 0.1                             | 400                      | 65                    | 0.102                     | 2                  | ZM15                              | AM15                 | 10  | 5484                           |
| ZKLF1762-2RS  | 0.45       | 17           | 62   | 25   | 30   | 0,3     | 0,6    | 48  | 6,8 | 3 | 17 | 6×60*   | 37     | 23                      | 0.1    | M6                                 | 3×120* | 20700                       | 31000  | 1840               | 7600                 | 3300                           | 0.24                            | 450                      | 80                    | 0.132                     | 2                  | ZM17                              | AM17                 | 15  | 7514                           |
| ZKLF1762-2Z   | 0.45       | 17           | 62   | 25   | 30   | 0,3     | 0,6    | 48  | 6,8 | 3 | 17 | 6×60*   | 37     | 23                      | 0.1    | M6                                 | 3×120* | 20700                       | 31000  | 1840               | 10100                | 6600                           | 0.12                            | 450                      | 80                    | 0.132                     | 2                  | ZM17                              | AM17                 | 15  | 7514                           |
| ZKLF2068-2RS  | 0.61       | 20           | 68   | 28   | 34.5 | 0,3     | 0,6    | 53  | 6,8 | 3 | 19 | 8×45*   | 43     | 25                      | 0.1    | M6                                 | 4×90*  | 28500                       | 47000  | 2750               | 6600                 | 3000                           | 0.3                             | 650                      | 140                   | 0.273                     | 2                  | ZM20                              | AM20                 | 18  | 8258                           |
| ZKLF2068-2Z   | 0.61       | 20           | 68   | 28   | 34.5 | 0,3     | 0,6    | 53  | 6,8 | 3 | 19 | 8×45*   | 43     | 25                      | 0.1    | M6                                 | 4×90*  | 28500                       | 47000  | 2750               | 8700                 | 5400                           | 0.15                            | 650                      | 140                   | 0.273                     | 2                  | ZM20                              | AM20                 | 18  | 8258                           |
| ZKLF2575-2RS  | 0.72       | 25           | 75   | 28   | 40.5 | 0,3     | 0,6    | 58  | 6,8 | 3 | 19 | 8×45*   | 48     | 32                      | 0.1    | M6                                 | 4×90*  | 30500                       | 55000  | 3250               | 5700                 | 2600                           | 0.4                             | 750                      | 200                   | 0.486                     | 2                  | ZM25                              | AM25                 | 25  | 9123                           |
| ZKLF2575-2Z   | 0.72       | 25           | 75   | 28   | 40.5 | 0,3     | 0,6    | 58  | 6,8 | 3 | 19 | 8×45*   | 48     | 32                      | 0.1    | M6                                 | 4×90*  | 30500                       | 55000  | 3250               | 7500                 | 4700                           | 0.2                             | 750                      | 200                   | 0.486                     | 2                  | ZM25                              | AM25                 | 25  | 9123                           |
| ZKLF3080-2RS  | 0.78       | 30           | 80   | 28   | 45.5 | 0,3     | 0,6    | 63  | 6,8 | 3 | 19 | 12×30*  | 53     | 40                      | 0.1    | M6                                 | 6×60*  | 32000                       | 64000  | 3750               | 5000                 | 2200                           | 0.5                             | 850                      | 300                   | 0.73                      | 2.5                | ZM30                              | AM30                 | 32  | 9947                           |
| ZKLF3080-2Z   | 0.78       | 30           | 80   | 28   | 45.5 | 0,3     | 0,6    | 63  | 6,8 | 3 | 19 | 12×30*  | 53     | 40                      | 0.1    | M6                                 | 6×60*  | 32000                       | 64000  | 3750               | 6700                 | 4300                           | 0.25                            | 850                      | 300                   | 0.73                      | 2.5                | ZM30                              | AM30                 | 32  | 9947                           |
| ZKLF30100-2RS | 1.63       | 30           | 100  | 38   | 51   | 0,3     | 0,6    | 80  | 8,8 | 3 | 30 | 8×45*   | 64     | 47                      | 0.2    | M8                                 | 8×45*  | 65000                       | 108000 | 6400               | 4500                 | 2100                           | 0.8                             | 950                      | 400                   | 1.91                      | 2.5                | ZMA30/52                          | AM30                 | 65  | 19509                          |
| ZKLF30100-2Z  | 1.63       | 30           | 100  | 38   | 51   | 0,3     | 0,6    | 80  | 8,8 | 3 | 30 | 8×45*   | 64     | 47                      | 0.2    | M8                                 | 8×45*  | 65000                       | 108000 | 6400               | 5600                 | 4000                           | 0.4                             | 950                      | 400                   | 1.91                      | 2.5                | ZMA30/52                          | AM30                 | 65  | 19509                          |
| ZKLF3590-2RS  | 1.13       | 35           | 90   | 34   | 52   | 0,3     | 0,6    | 75  | 8,8 | 3 | 25 | 8×45*   | 62     | 45                      | 0.2    | M8                                 | 4×90*  | 45000                       | 89000  | 5200               | 4400                 | 2000                           | 0.6                             | 900                      | 400                   | 1.51                      | 2.5                | ZM35                              | AM35/58              | 40  | 10770                          |
| ZKLF3590-2Z   | 1.13       | 35           | 90   | 34   | 52   | 0,3     | 0,6    | 75  | 8,8 | 3 | 25 | 8×45*   | 62     | 45                      | 0.2    | M8                                 | 4×90*  | 45000                       | 89000  | 5200               | 5800                 | 3800                           | 0.3                             | 900                      | 400                   | 1.51                      | 2.5                | ZM35                              | AM35/58              | 40  | 10770                          |
| ZKLF40100-2RS | 1.46       | 40           | 100  | 34   | 58   | 0,3     | 0,6    | 80  | 8,8 | 3 | 25 | 8×45*   | 67     | 50                      | 0.2    | M8                                 | 4×90*  | 47500                       | 101000 | 6000               | 4000                 | 1800                           | 0.7                             | 1000                     | 550                   | 2.26                      | 2.5                | ZM40                              | AM40                 | 55  | 13412                          |
| ZKLF40100-2Z  | 1.46       | 40           | 100  | 34   | 58   | 0,3     | 0,6    | 80  | 8,8 | 3 | 25 | 8×45*   | 67     | 50                      | 0.2    | M8                                 | 4×90*  | 47500                       | 101000 | 6000               | 5200                 | 3300                           | 0.35                            | 1000                     | 550                   | 2.26                      | 2.5                | ZM40                              | AM40                 | 55  | 13412                          |
| ZKLF40115-2RS | 2.2        | 40           | 115  | 46   | 65   | 0,6     | 0,6    | 94  | 8,8 | 3 | 36 | 12×30*  | 80     | 56                      | 0.2    | M8                                 | 12×30* | 79000                       | 149000 | 8800               | 3500                 | 1600                           | 1.3                             | 1200                     | 750                   | 5.5                       | 2.5                | ZMA40/62                          | AM40                 | 110 | 25185                          |
| ZKLF40115-2Z  | 2.2        | 40           | 115  | 46   | 65   | 0,6     | 0,6    | 94  | 8,8 | 3 | 36 | 12×30*  | 80     | 56                      | 0.2    | M8                                 | 12×30* | 79000                       | 149000 | 8800               | 4400                 | 3100                           | 0.65                            | 1200                     | 750                   | 5.5                       | 2.5                | ZMA40/62                          | AM40                 | 110 | 25815                          |
| ZKLF50115-2RS | 1.86       | 50           | 115  | 34   | 72   | 0,3     | 0,6    | 94  | 8,8 | 3 | 25 | 12×30*  | 82     | 63                      | 0.2    | M8                                 | 6×60*  | 51000                       | 126000 | 7400               | 3200                 | 1500                           | 0.9                             | 1250                     | 1000                  | 5.24                      | 2.5                | ZM50                              | AM50                 | 85  | 16280                          |
| ZKLF50115-2Z  | 1.86       | 50           | 115  | 34   | 72   | 0,3     | 0,6    | 94  | 8,8 | 3 | 25 | 12×30*  | 82     | 63                      | 0.2    | M8                                 | 6×60*  | 51000                       | 126000 | 7400               | 4200                 | 3000                           | 0.45                            | 1250                     | 1000                  | 5.24                      | 2.5                | ZM50                              | AM50                 | 85  | 16280                          |
| ZKLF50140-2RS | 4.7        | 50           | 140  | 54   | 80   | 0,6     | 0,6    | 113 | 11  | 3 | 45 | 12×30*  | 98     | 63                      | 0.2    | M10                                | 12×30* | 125000                      | 250000 | 14800              | 2900                 | 1200                           | 2.6                             | 1400                     | 1500                  | 15.2                      | 2.5                | ZMA50/75                          | AM50                 | 150 | 28451                          |
| ZKLF50140-2Z  | 4.7        | 50           | 140  | 54   | 80   | 0,6     | 0,6    | 113 | 11  | 3 | 45 | 12×30*  | 98     | 63                      | 0.2    | M10                                | 12×30* | 125000                      | 250000 | 14800              | 3500                 | 2500                           | 1.3                             | 1400                     | 1500                  | 15.2                      | 2.5                | ZMA50/75                          | AM50                 | 150 | 28451                          |
| ZKLF60145-2Z  | 4.3        | 60           | 145  | 45   | 85   | 0,6     | 0,6    | 120 | 8,8 | 3 | 35 | 8×45*   | 100    | 82                      | 0.2    | M8                                 | 8×45*  | 93000                       | 214000 | 12600              | 4000                 | 3000                           | 1                               | 1300                     | 1650                  | 13.7                      | 3                  | ZMA60/98                          | AM60                 | 100 | 16700                          |
| ZKLF70155-2Z  | 4.9        | 70           | 155  | 45   | 95   | 0,6     | 0,6    | 130 | 8,8 | 3 | 35 | 8×45*   | 110    | 92                      | 0.2    | M8                                 | 8×45*  | 97000                       | 241000 | 14200              | 3800                 | 2800                           | 1.2                             | 1450                     | 2250                  | 19.8                      | 3                  | ZMA70/110                         | AM70                 | 130 | 19031                          |
| ZKLF80165-2Z  | 5.3        | 80           | 165  | 45   | 105  | 0,6     | 0,6    | 140 | 8,8 | 3 | 35 | 8×45*   | 120    | 102                     | 0.2    | M8                                 | 8×45*  | 100000                      | 265000 | 15400              | 3600                 | 2700                           | 1.4                             | 1600                     | 3000                  | 27.6                      | 3                  | ZMA80/120                         | AM80                 | 160 | 20604                          |
| ZKLF90190-2Z  | 8.7        | 90           | 190  | 55   | 120  | 0,6     | 0,6    | 165 | 11  | 3 | 45 | 8×45*   | 138    | 116                     | 0.2    | M10                                | 8×45*  | 149000                      | 395000 | 21300              | 3500                 | 2300                           | 2.3                             | 1700                     | 4400                  | 59.9                      | 3                  | ZMA90/130                         | AM90                 | 200 | 22731                          |
| ZKLF100200-2Z | 9.3        | 100          | 200  | 55   | 132  | 0,6     | 0,6    | 175 | 11  | 3 | 45 | 8×45*   | 150    | 128                     | 0.2    | M10                                | 8×45*  | 154000                      | 435000 | 22400              | 3300                 | 2150                           | 2.6                             | 1900                     | 5800                  | 85.3                      | 3                  | ZMA100/140                        | AM100                | 250 | 25624                          |
| ZKLF100230-2Z | 17.6       | 100          | 230  | 85   | 146  | 0,6     | 0,6    | 200 | 14  | 3 | 73 | 12×30*  | 175    | 130                     | 0.4    | M12                                | 12×30* | 295000                      | 790000 | 29000              | 2900                 | 2000                           | 3                               | 2450                     | 8200                  | 185                       | 3                  | -                                 | AM100                | 500 | 52000                          |