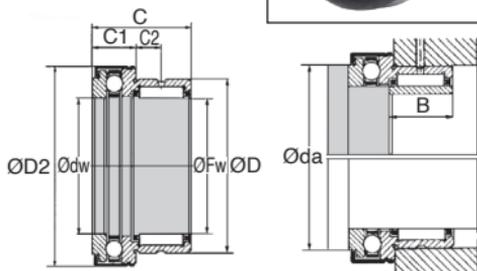
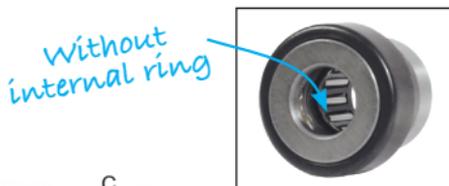


# Combined bearing without internal ring

## NKX

### With needles and thrust ball bearing

- Combined bearing to support radial and axial loads
- Supplied without internal ring: the shaft will be used as a bearing race, and will therefore have to be hardened and rectified.
- Bearing with protective cap
- Materials:  
Steel



Mounting dimensions

### Info.

- In the case of grease lubrication, maximum speed equivalent to 60% of the values in the table.

<sup>(1)</sup>Axial load  $F_a$  from 1 to 2 % of the dynamic load coefficient C (axial)

### DISCOUNTS

|       |      |      |            |
|-------|------|------|------------|
| Qty   | 1+   | 4+   | 8+         |
| Disc. | List | -15% | On request |

| Part number | Ød | Radial load (N) |             | Axial load <sup>(1)</sup> (N) |             | Speed (rpm)     |     | Weight (g) |
|-------------|----|-----------------|-------------|-------------------------------|-------------|-----------------|-----|------------|
|             |    | Dynamic (C)     | Static (Co) | Dynamic (C)                   | Static (Co) | lubrication oil |     |            |
| NKX12Z      | 12 | 8500            | 10500       | 10000                         | 15000       | 11000           | 40  |            |
| NKX15Z      | 15 | 10000           | 12000       | 10000                         | 16000       | 9500            | 47  |            |
| NKX17Z      | 17 | 11000           | 14500       | 10500                         | 17900       | 8500            | 55  |            |
| NKX20Z      | 20 | 15000           | 2500        | 13500                         | 23000       | 7500            | 90  |            |
| NKX25Z      | 25 | 17000           | 30000       | 18000                         | 35000       | 6000            | 132 |            |
| NKX30Z      | 30 | 21000           | 34000       | 19000                         | 39500       | 5000            | 148 |            |
| NKX35Z      | 35 | 23000           | 40000       | 20500                         | 44650       | 4600            | 168 |            |
| NKX40Z      | 40 | 25000           | 45000       | 26000                         | 60000       | 4000            | 208 |            |
| NKX45Z      | 45 | 26500           | 51000       | 27000                         | 67000       | 3600            | 265 |            |
| NKX50Z      | 50 | 36000           | 72000       | 28000                         | 72000       | 3300            | 300 |            |

| Part number | ØFw | ØD | ØD2 max | C<br>-0,25 | C1<br>-0,2 | C2   | Ødw | Øda  | Stock* | Price each<br>1 to 3 |
|-------------|-----|----|---------|------------|------------|------|-----|------|--------|----------------------|
| NKX12Z      | 12  | 21 | 27,2    | 23         | 9          | 6,5  | 12  | 21,7 | ✓      | 33,63 €              |
| NKX15Z      | 15  | 24 | 29,2    | 23         | 9          | 6,5  | 15  | 23,7 | -      | 34,46 €              |
| NKX17Z      | 17  | 26 | 31,2    | 25         | 9          | 8,0  | 17  | 25,7 | -      | 36,46 €              |
| NKX20Z      | 20  | 30 | 36,2    | 30         | 10         | 10,5 | 20  | 30,7 | ✓      | 42,38 €              |
| NKX25Z      | 25  | 37 | 43,2    | 30         | 11         | 9,5  | 25  | 37,7 | -      | 48,15 €              |
| NKX30Z      | 30  | 42 | 48,2    | 30         | 11         | 9,5  | 30  | 42,7 | -      | 61,64 €              |
| NKX35Z      | 35  | 47 | 53,2    | 30         | 12         | 9,0  | 35  | 47,7 | -      | 71,79 €              |
| NKX40Z      | 40  | 52 | 61,2    | 32         | 13         | 10,0 | 40  | 55,7 | -      | 78,39 €              |
| NKX45Z      | 45  | 58 | 66,5    | 32         | 14         | 9,0  | 45  | 60,5 | -      | 90,60 €              |
| NKX50Z      | 50  | 62 | 71,5    | 35         | 14         | 10,0 | 50  | 65,5 | -      | 98,76 €              |

\*Depending on availability - Dimensions in mm

# Combined bearing without internal ring

## With needles and cylindrical roller thrust bearing

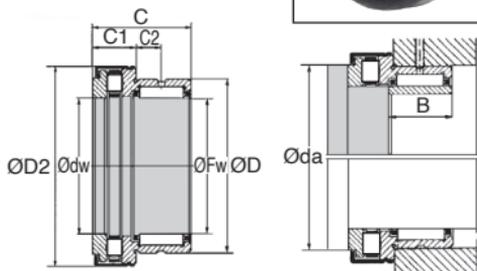
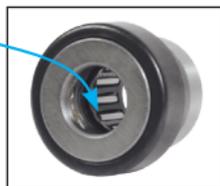
NKXR

- Combined bearing to support radial and axial loads
- Supplied without internal ring: the shaft will be used as a bearing race, and will therefore have to be hardened and rectified.
- Bearing with protective cap
- Materials:  
Steel  
Plastic stopper

### Info.

- In the case of grease lubrication, maximum speed equivalent to 60% of the values in the table.
- <sup>(1)</sup>Axial load  $F_a$  from 1 to 2 % of the dynamic load coefficient  $C$  (axial)

Without internal ring



Mounting dimensions

### DISCOUNTS

| Qty   | 1+   | 4+   | 8+         |
|-------|------|------|------------|
| Disc. | List | -15% | On request |

| Part number | Ød | Radial load (N) |             | Axial load <sup>(1)</sup> (N) |             | Speed (rpm) | Weight (g) |
|-------------|----|-----------------|-------------|-------------------------------|-------------|-------------|------------|
|             |    | Dynamic (C)     | Static (Co) | Dynamic (C)                   | Static (Co) |             |            |
| NKXR15Z     | 15 | 10500           | 11500       | 13500                         | 27500       | 12350       | 45         |
| NKXR17Z     | 17 | 11000           | 14000       | 15000                         | 32500       | 11400       | 53         |
| NKXR20Z     | 20 | 15000           | 23000       | 23500                         | 52500       | 9500        | 84         |
| NKXR25Z     | 25 | 17000           | 29000       | 32000                         | 75000       | 8100        | 125        |
| NKXR30Z     | 30 | 21000           | 34000       | 34500                         | 85000       | 7100        | 141        |
| NKXR35Z     | 35 | 23500           | 40000       | 38000                         | 98000       | 6200        | 165        |
| NKXR40Z     | 40 | 25000           | 45000       | 54000                         | 143000      | 5700        | 214        |
| NKXR45Z     | 45 | 26500           | 51000       | 57000                         | 162000      | 4750        | 260        |
| NKXR50Z     | 50 | 36000           | 72000       | 60500                         | 169000      | 4560        | 288        |
| NKX50Z      | 50 | 36000           | 72000       | 28000                         | 72000       | 3300        | 300        |

| Part number | ØFw | ØD | ØD2 max | C     |      |      | Ødw | Øda  | Stock* | Price each 1 to 3 |
|-------------|-----|----|---------|-------|------|------|-----|------|--------|-------------------|
|             |     |    |         | -0,25 | -0,2 | C2   |     |      |        |                   |
| NKXR15Z     | 15  | 24 | 29,20   | 23    | 9    | 6,5  | 15  | 23,7 | ✓      | 47,21 €           |
| NKXR17Z     | 17  | 26 | 31,20   | 25    | 9    | 8,0  | 17  | 25,7 | -      | 50,69 €           |
| NKXR20Z     | 20  | 30 | 36,20   | 30    | 10   | 10,5 | 20  | 30,7 | -      | 63,00 €           |
| NKXR25Z     | 25  | 37 | 43,20   | 30    | 11   | 9,5  | 25  | 37,7 | -      | 68,66 €           |
| NKXR30Z     | 30  | 42 | 48,20   | 30    | 11   | 9,5  | 30  | 42,7 | -      | 77,11 €           |
| NKXR35Z     | 35  | 47 | 53,20   | 30    | 12   | 9,0  | 35  | 47,7 | -      | 93,10 €           |
| NKXR40Z     | 40  | 52 | 61,20   | 32    | 13   | 10,0 | 40  | 55,7 | -      | 107,55 €          |
| NKXR45Z     | 45  | 58 | 66,50   | 32    | 14   | 9,0  | 45  | 60,5 | -      | 123,24 €          |
| NKXR50Z     | 50  | 62 | 71,50   | 35    | 14   | 10,0 | 50  | 65,5 | -      | 139,54 €          |

\*Depending on availability - Dimensions in mm

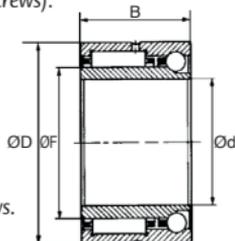
# Combined bearing with inner ring

## NKIA

## Axial load in one direction

- Combined bearing for supporting both radial and axial loads reduced in one direction.
- Supplied with an internal ring for use on an untreated shaft (ex: trapezoidal leadscrews).
- Bearing with protective cap
- Material:
  - Stainless steel
  - Plastic stop
  - Max. operating temperature: +80°C

With ring



### Application

- Supports axial loads of trapezoidal leadscrews.

### DISCOUNTS

| Qty         | 1+ | 6+   | 10+        |
|-------------|----|------|------------|
| Disc. Price |    | -15% | On request |

| Part number | Radial load (N) |             | Axial load (N) |             | Speed (RPM) |
|-------------|-----------------|-------------|----------------|-------------|-------------|
|             | Dynamic (C)     | Static (Co) | Dynamic (C)    | Static (Co) |             |
| NKIA12      | 7200            | 7900        | 2052           | 2138        | 22800       |
| NKIA15      | 10070           | 12900       | 2223           | 2613        | 20900       |
| NKIA17      | 10450           | 13870       | 2375           | 3040        | 19950       |
| NKIA20      | 19950           | 24200       | 3753           | 4608        | 16150       |
| NKIA22      | 21660           | 28000       | 4038           | 5320        | 15200       |
| NKIA25      | 22400           | 29900       | 4133           | 5795        | 14250       |
| NKIA30      | 23750           | 33700       | 4513           | 6935        | 12350       |
| NKIA35      | 29900           | 47500       | 5700           | 9310        | 10450       |
| NKIA40      | 40850           | 63650       | 7030           | 12065       | 9000        |
| NKIA45      | 42750           | 69350       | 7315           | 13300       | 8100        |
| NKIA50      | 44650           | 76000       | 7695           | 15105       | 7600        |

| Part number | Weight |    |    |    | Price each<br>1 to 5 |         |
|-------------|--------|----|----|----|----------------------|---------|
|             | Ød     | ØF | ØD | B  |                      |         |
| NKIA12      | 12     | 16 | 24 | 16 | 40                   | 19,14 € |
| NKIA15      | 15     | 20 | 28 | 18 | 50                   | 20,43 € |
| NKIA17      | 17     | 22 | 30 | 18 | 56                   | 22,44 € |
| NKIA20      | 20     | 25 | 37 | 23 | 103                  | 24,57 € |
| NKIA22      | 22     | 28 | 39 | 23 | 118                  | 54,33 € |
| NKIA25      | 25     | 30 | 42 | 23 | 130                  | 29,45 € |
| NKIA30      | 30     | 35 | 47 | 23 | 147                  | 33,16 € |
| NKIA35      | 35     | 42 | 55 | 27 | 243                  | 38,28 € |
| NKIA40      | 40     | 48 | 62 | 30 | 315                  | 45,38 € |
| NKIA45      | 45     | 52 | 68 | 30 | 375                  | 59,77 € |
| NKIA50      | 50     | 58 | 72 | 30 | 380                  | 66,94 € |

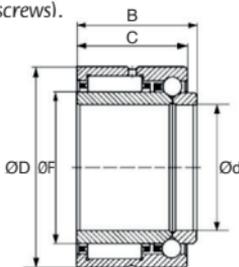
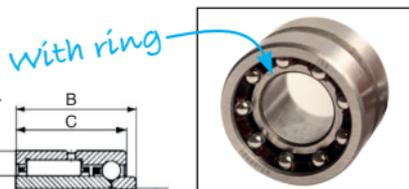
\*Within the limits of available stock - Dimensions in mm

# Combined bearing with inner ring

Axial load in both directions

NKIB

- Combined bearing for supporting both radial and axial loads reduced in 2 directions.
- Supplied with an internal ring for use on an untreated shaft (ex: trapezoidal leadscrews).
- Bearing with protective cap
- Material:
  - Stainless steel
  - Plastic stop
  - Max. operating temperature: +80°C



## Application

- Supports axial loads of trapezoidal leadscrews.

## DISCOUNTS

|             |      |            |     |
|-------------|------|------------|-----|
| Qty         | 1+   | 6+         | 10+ |
| Disc. Price | -15% | On request |     |

| Part number | Radial load (N) |             | Axial load (N) |             | Speed (RPM) |
|-------------|-----------------|-------------|----------------|-------------|-------------|
|             | Dynamic (C)     | Static (Co) | Dynamic (C)    | Static (Co) |             |
| NKIB12      | 7200            | 7900        | 2052           | 2138        | 22800       |
| NKIB15      | 10070           | 12900       | 2223           | 2613        | 20900       |
| NKIB17      | 10450           | 13870       | 2375           | 3040        | 19950       |
| NKIB20      | 19950           | 24200       | 3753           | 4608        | 16150       |
| NKIB22      | 21660           | 28000       | 4038           | 5320        | 15200       |
| NKIB25      | 22400           | 29900       | 4133           | 5795        | 14250       |
| NKIB30      | 23750           | 33700       | 4513           | 6935        | 12350       |
| NKIB35      | 29900           | 47500       | 5700           | 9310        | 10450       |
| NKIB40      | 40850           | 63650       | 7030           | 12065       | 9000        |
| NKIB45      | 42750           | 69350       | 7315           | 13300       | 8100        |
| NKIB50      | 44650           | 76000       | 7695           | 15105       | 7600        |

| Part number | Ød | ØF | ØD | B    | C  | Weight | Price each |
|-------------|----|----|----|------|----|--------|------------|
|             |    |    |    |      |    | (g)    | 1 to 5     |
| NKIB12      | 12 | 16 | 24 | 17.5 | 16 | 43     | 23,83 €    |
| NKIB15      | 15 | 20 | 28 | 20   | 18 | 52     | 25,50 €    |
| NKIB17      | 17 | 22 | 30 | 20   | 18 | 58     | 27,48 €    |
| NKIB20      | 20 | 25 | 37 | 25   | 23 | 108    | 30,68 €    |
| NKIB22      | 22 | 28 | 39 | 25   | 23 | 122    | 39,95 €    |
| NKIB25      | 25 | 30 | 42 | 25   | 23 | 134    | 36,30 €    |
| NKIB30      | 30 | 35 | 47 | 25   | 23 | 151    | 41,49 €    |
| NKIB35      | 35 | 42 | 55 | 30   | 27 | 247    | 48,56 €    |
| NKIB40      | 40 | 48 | 62 | 34   | 30 | 320    | 55,08 €    |
| NKIB45      | 45 | 52 | 68 | 34   | 30 | 380    | 71,63 €    |
| NKIB50      | 50 | 58 | 72 | 34   | 30 | 385    | 80,52 €    |

\*Within the limits of available stock - Dimensions in mm