



## SKF NA 4826

Single row needle roller bearing with machined rings, with flanges

Single row needle roller bearings incorporate cylindrical rollers that are small in diameter relative to their length. Owing to their large number of rollers, the bearings have a high load carrying capacity. The outer ring includes two integral flanges to guide the bearing axially and an annular groove with one or more lubrication holes to facilitate relubrication.

### Technical specifications

| Dimensions  |        |
|---|--------|
| Bore diameter   | 130 mm |
| Outside diameter  | 165 mm |
| Width   | 35 mm  |
| Raceway diameter inner ring   | 145 mm |
| Chamfer dimension outer ring  | 1.1 mm |
| Permissible axial displacement from the normal position of one bearing ring relative to the other | 1 mm   |

| Abutment dimensions   |          |
|---|----------|
| Smallest permissible abutment diameter shaft, bearings with flanges | 136.5 mm |
| Diameter of housing abutment  | 158.5 mm |
| Fillet radius   | 1 mm     |

| Calculation data          |              |
|---------------------------|--------------|
| SKF performance class     | SKF Explorer |
| Basic dynamic load rating | 137 kN       |
| Basic static load rating  | 325 kN       |
| Fatigue load limit        | 37.5 kN      |
| Reference speed           | 2800 r/min   |
| Limiting speed            | 3200 r/min   |

| Performance               |              |
|---------------------------|--------------|
| Basic dynamic load rating | 137 kN       |
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| Properties                                  |                          |
|---|--------------------------|
| Bearing part                                | Complete bearing         |
| Number of rows                              | 1                        |
| Outer ring type                             | Machined (solid)         |
| Aligning feature                            | Without                  |
| Cage  | Sheet metal              |
| Number of flanges, outer ring               | 2                        |
| Radial internal clearance                   | CN                       |
| Tolerance class                             | Normal                   |
| Material, bearing                           | Bearing steel            |
| Coating                                     | Without                  |
| Sealing                                     | Without                  |
| Lubricant                                   | None                     |
| Relubrication feature                       | With                     |
| Indicative carbon footprint for new product | 6.4 kg CO <sub>2</sub> e |

| Logistics          |         |
|--------------------|---------|
| Product net weight | 1.78 kg |

|             |             |
|-------------|-------------|
| eClass code | 23-05-09-03 |
| UNSPSC code | 31171512    |

**SKF drawings**

