

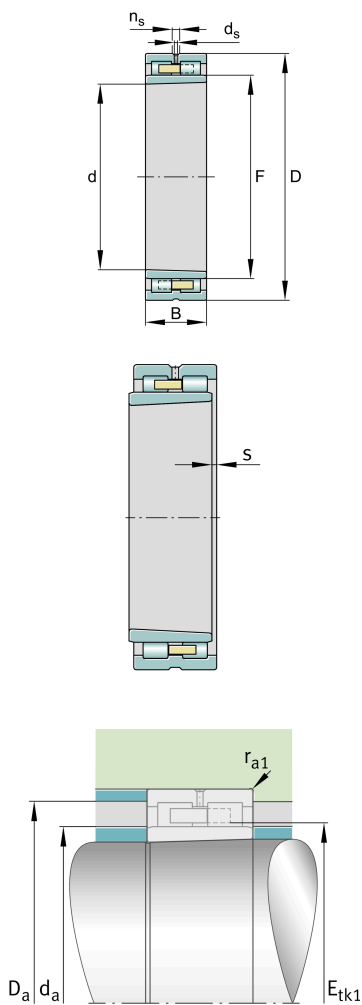
FAG

### NNU4944-S-K-M-SP

Cylindrical roller bearing

Super precision cylindrical roller bearings  
NNU49...-S-K-M-SP, non-locating bearing,  
double row, with tapered bore, taper 1:12,  
separable, with cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                       |              |                                                        |
|---------------------------------------|--------------|--------------------------------------------------------|
| Cage                                  | M            | Brass Cage                                             |
| Tolerance class                       | SP           | Tolerance class SP                                     |
| Bore type                             | K            | Tapered, taper 1:12                                    |
| Locating Feature , bearing outer ring | S            | Lubrication holes and lubrication groove in outer ring |
| Radial internal clearance             | C1 (Group 1) | Internal clearance smaller than C2                     |
| Number of rows                        | 2            | Double-row design                                      |

Main Dimensions & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 220 mm      | Bore diameter                         |
| D                     | 300 mm      | Outside diameter                      |
| B                     | 80 mm       | Width                                 |
| C <sub>r</sub>        | 510.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 1.140.000 N | Basic static load rating, radial      |
| C <sub>ur</sub>       | 133.000 N   | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 2.550 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 3.000 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 14,79 kg    | Masa                                  |



Mounting dimensions

|                     |        |                                        |
|---------------------|--------|----------------------------------------|
| d <sub>a</sub>      | 243 mm | Diameter shaft shoulder                |
| h12                 |        | Diameter shaft shoulder tolerance      |
| D <sub>a</sub>      | 279 mm | Diameter of housing shoulder           |
| H12                 |        | Diameter of housing shoulder tolerance |
| r <sub>a1 max</sub> | 2,1 mm | Maximum recess radius                  |

Dimensions

|                    |         |                             |
|--------------------|---------|-----------------------------|
| r <sub>1 min</sub> | 2,1 mm  | Minimum chamfer dimension   |
| F                  | 245 mm  | Raceway diameter inner ring |
| n <sub>s</sub>     | 12,2 mm | Width of lubricating groove |
| d <sub>s</sub>     | 6,3 mm  | Diameter lubrication hole   |
| s                  | 4,3 mm  | Axial displacement          |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

Właściwości

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | Obciążenie promieniowe |
|  | Smarowanie smarem      |
|  | Smarowanie olejem      |
|  | Bez uszczelnienia      |