

**FAG****NU4940-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

## Technical information



## Your current product variant

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 rolling element rows	2	Double-row design

## Main Dimensions &amp; Performance Data

d	200 mm	Bore diameter
D	280 mm	Outside diameter
B	80 mm	Width
C <sub>r</sub>	490.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1.040.000 N	Basic static load rating, radial
C <sub>ur</sub>	125.000 N	Fatigue load limit, radial
n <sub>G Grease</sub>	2.700 1/min	Limiting speed for grease lubrication
n <sub>G Oil</sub>	3.200 1/min	Limiting speed for oil lubrication
m	14,783 kg	Weight



### Mounting dimensions

$d_a$	223 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
$D_a$	259 mm	Diameter of housing shoulder
	H12	Diameter of housing shoulder tolerance
$r_{a1 \max}$	2,1 mm	Maximum recess radius

### Dimensions

$r_1 \min$	2,1 mm	Minimum chamfer dimension
F	225 mm	Raceway diameter inner ring
$n_s$	12,2 mm	Width of lubricating groove
$d_s$	6,3 mm	Diameter lubrication hole
s	4,3 mm	Axial displacement

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed