

**FAG****NU4944-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 rows	2	Double-row design

Main Dimensions & Performance Data

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



Mounting dimensions

d_a	243 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
D_a	279 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	245 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