

**FAG****NNU4960-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 | 300 mm | Bore diameter |
| D | 420 mm | Outside diameter |
| B | 118 mm | Width |
| C _r | 1.040.000 N | Basic dynamic load rating, radial |
| C _{0r} | 2.380.000 N | Basic static load rating, radial |
| C _{ur} | 265.000 N | Fatigue load limit, radial |
| n _{G Grease} | 1.740 1/min | Limiting speed for grease lubrication |
| n _{G Oil} | 2.040 1/min | Limiting speed for oil lubrication |
| ≈m | 50,9 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|--|
| d_a | 336 mm | Diameter shaft shoulder |
| | h12 | Diameter shaft shoulder tolerance |
| D_a | 389 mm | Diameter of housing shoulder |
| | H12 | Diameter of housing shoulder tolerance |
| $r_{a1 \max}$ | 2,5 mm | Maximum recess radius |






Dimensions

| | | |
|--------------|---------|-----------------------------|
| $r_{1 \min}$ | 3 mm | Minimum chamfer dimension |
| F | 339 mm | Raceway diameter inner ring |
| n_s | 17,7 mm | Width of lubricating groove |
| d_s | 9,5 mm | Diameter lubrication hole |
| s | 6,3 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 |
|  | Large bearing |