



## 90 mm x 140 mm x 24 mm skf N 1018 KTNHA/SP Super-precision cylindrical roller bearings

Bearing No. N 1018 KTNHA/SP

N 1018 KTNHA/SP Bearing 2D drawings and 3D CAD models

Size	90x140x24 mm
Bore Diameter	90 mm
Outer Diameter	140 mm
Width	24 mm
d	90 mm
D	140 mm
B	24 mm
d <sub>1</sub>	109.4 mm
E	127 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
s	3 mm
s <sub>1</sub>	1 mm
d <sub>a</sub> - min.	98 mm
D <sub>a</sub> - min.	129 mm
D <sub>a</sub> - max.	132 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	76.5 kN
Basic static load rating - C <sub>0</sub>	104 kN
Fatigue load limit - P <sub>u</sub>	12.5 kN
Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil lubrication	14000 mm/min



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$G_{ref}$	13.5 cm
Static radial stiffness (guideline value)	940 N/micron
$d_1$	109.4 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
s max.	3 mm
$s_1$ max.	1 mm
$d_a$ min.	98 mm
$D_a$ min.	129 mm
$D_a$ max.	132 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	76.5 kN
Basic static load rating $C_0$	104 kN
Fatigue load limit $P_u$	12.5 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	14000 r/min
Reference grease quantity $G_{ref}$	13.5 cm <sup>3</sup>
Mass bearing	1.19 kg