



45 mm x 75 mm x 16 mm SKF N 1009
KTNHA/HC5SP cylindrical roller bearings

Bearing No. N 1009 KTNHA/HC5SP

N 1009 KTNHA/HC5SP Bearing 2D drawings and 3D
CAD models

Size	45x75x16 mm
Bore Diameter	45 mm
Outer Diameter	75 mm
Width	16 mm
d	45 mm
D	75 mm
B	16 mm
d ₁	56.3 mm
E	67.5 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
s	2 mm
s ₁	1.5 mm
d _a - min.	50 mm
D _a - min.	69 mm
D _a - max.	70 mm
r _a - max.	1 mm
Basic dynamic load rating - C	28.1 kN
Basic static load rating - C ₀	31 kN
Fatigue load limit - P _u	3.6 kN
Limiting speed for grease lubrication	22000 r/min
Limiting speed for oil lubrication	32000 mm/min
G _{ref}	3.2 cm



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Static radial stiffness (guideline value)	590 N/micron
d_1	56.3 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
s max.	2 mm
s_1 max.	1.5 mm
d_a min.	50 mm
D_a min.	69 mm
D_a max.	70 mm
r_a max.	1 mm
Basic dynamic load rating C	28.1 kN
Basic static load rating C_0	31 kN
Fatigue load limit P_u	3.65 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air lubrication	32000 r/min
Reference grease quantity G_{ref}	3.2 cm ³
Mass bearing	0.21 kg