



## 120 mm x 180 mm x 46 mm skf NN 3024 TN9/SP Super-precision cylindrical roller bearings

Bearing No. NN 3024 TN9/SP

NN 3024 TN9/SP Bearing 2D drawings and 3D CAD models

Size	120x180x46 mm
Bore Diameter	120 mm
Outer Diameter	180 mm
Width	46 mm
d	120 mm
D	180 mm
B	46 mm
C	46 mm
b	– mm
d1	142,6 mm
r1 min.	2 mm
r2 min.	2 mm
r3 min.	1,1 mm
r4 min.	1,1 mm
E	165 mm
K	– mm
da min.	130 mm
Da min	167 mm
Da max.	170 mm
ra max.	2 mm
S	3 mm
dh	162,9 mm
Weight	3,7 Kg
Basic dynamic load rating (C)	229 kN
Basic static load rating (C0)	390 kN



## MSD MANUFACTURING CO.,LTD.

(Grease) Lubrication Speed	4 800 r/min
(Oil) Lubrication Speed	5 300 r/min
$d_1$	142.6 mm
$r_{1,2}$ min.	2 mm
s max.	3 mm
$d_a$ min.	130 mm
$D_a$ min.	167 mm
$D_a$ max.	170 mm
$r_a$ max.	2 mm
$d_n$	162.9 mm
Basic dynamic load rating C	229 kN
Basic static load rating $C_0$	390 kN
Fatigue load limit $P_u$	44 kN
Attainable speed for grease lubrication	4800 r/min
Attainable speed for oil-air lubrication	5300 r/min
Reference grease quantity $G_{ref}$	23.1 cm <sup>3</sup>
Static radial stiffness (guideline value)	2760 N/ $\mu$ m
Mass bearing	3.7 kg