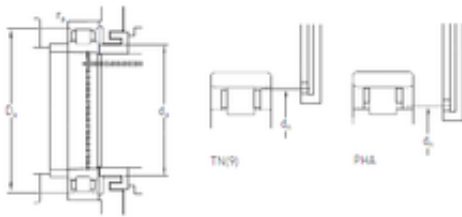
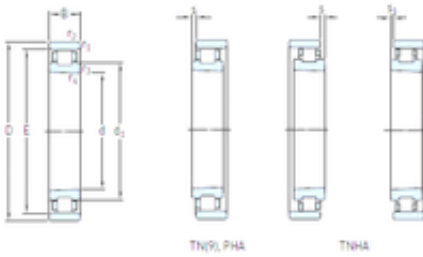




# MSD MANUFACTURING CO.,LTD.



N 1020 KTNHA/HC5SP Bearing 2D drawings and 3D CAD models

100 mm x 150 mm x 24 mm skf N 1020  
KTNHA/HC5SP Super-precision cylindrical roller bearings

Bearing No. N 1020 KTNHA/HC5SP

Size	100x150x24 mm
Bore Diameter	100 mm
Outer Diameter	150 mm
Width	24 mm
d	100 mm
D	150 mm
B	24 mm
C	24 mm
d1	119,4 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
E	137 mm
da min.	108 mm
Da min	139 mm
Da max.	142 mm
rb max.	1,5 mm
S	3 mm
S1	1 mm
dh	– mm
Weight	1,15 Kg
Basic dynamic load rating (C)	85,8 kN
Basic static load rating (C0)	120 kN



## MSD MANUFACTURING CO.,LTD.

(Grease) Lubrication Speed	11 000 r/min
(Oil) Lubrication Speed	15 000 r/min
$d_1$	119.4 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.	108 mm
$D_a$ min.	139 mm
$D_a$ max.	142 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	85.8 kN
Basic static load rating $C_0$	120 kN
Fatigue load limit $P_u$	14.3 kN
Attainable speed for grease lubrication	11000 r/min
Attainable speed for oil-air lubrication	15000 r/min
Reference grease quantity $G_{ref}$	14.4 cm <sup>3</sup>
Static radial stiffness (guideline value)	1490 N/ $\mu$ m
Mass bearing	1.17 kg