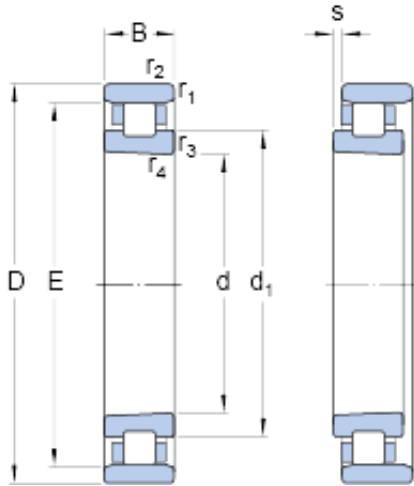




# MSD MANUFACTURING CO.,LTD.



## 75 mm x 115 mm x 20 mm skf N 1015 KPHA/SP Super-precision cylindrical roller bearings

Bearing No. N 1015 KPHA/SP

N 1015 KPHA/SP Bearing 2D drawings and 3D CAD models

Size	75x115x20 mm
Bore Diameter	75 mm
Outer Diameter	115 mm
Width	20 mm
d	75 mm
D	115 mm
B	20 mm
d <sub>1</sub>	90.6 mm
E	105 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
s	3 mm
d <sub>a</sub> - min.	81.5 mm
D <sub>a</sub> - min.	106 mm
D <sub>a</sub> - max.	108.5 mm
r <sub>a</sub> - max.	1 mm
d <sub>n</sub>	92.7 mm
Basic dynamic load rating - C	52.8 kN
Basic static load rating - C <sub>0</sub>	69.5 kN
Fatigue load limit - P <sub>u</sub>	8.2 kN
Limiting speed for grease lubrication	17000 r/min
Limiting speed for oil lubrication	20000 mm/min



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$G_{ref}$	9.6 cm
Static radial stiffness (guideline value)	720 N/micron
$d_1$	90.6 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
s max.	3 mm
$d_a$ min.	81.5 mm
$D_a$ min.	106 mm
$D_a$ max.	108.5 mm
$r_a$ max.	1 mm
$d_n$	92.7 mm
Basic dynamic load rating C	52.8 kN
Basic static load rating $C_0$	69.5 kN
Fatigue load limit $P_u$	8.15 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	20000 r/min
Reference grease quantity $G_{ref}$	9.6 cm <sup>3</sup>
Mass bearing	0.64 kg