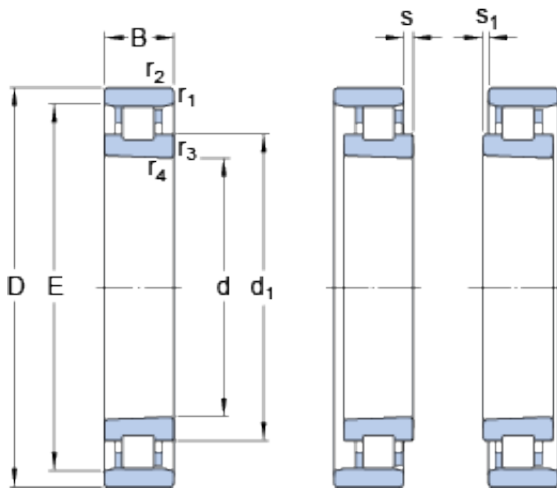




## Off-the-shelf SKF shaft Co., Ltd



### 85 mm x 130 mm x 22 mm SKF N 1017 KTNHA/HC5SP Super high-speed angular contact ball bearings

Bearing No. N 1017 KTNHA/HC5SP

N 1017 KTNHA/HC5SP Bearing 2D drawings and 3D CAD models

Size	85x130x22 mm
Bore Diameter	85 mm
Outer Diameter	130 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
d <sub>1</sub>	102 mm
E	118 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
s	3 mm
s <sub>1</sub>	1 mm
d <sub>a</sub> - min.	91.5 mm
D <sub>a</sub> - min.	119 mm
D <sub>a</sub> - max.	123.5 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	70.4 kN
Basic static load rating - C <sub>0</sub>	98 kN
Fatigue load limit - P <sub>u</sub>	11.2 kN
Limiting speed for grease lubrication	13000 r/min
Limiting speed for oil lubrication	17000 mm/min



## Off-the-shelf SKF shaft Co., Ltd

$G_{ref}$	10.2 cm
Static radial stiffness (guideline value)	1230 N/micron
$d_1$	102 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
s max.	3 mm
$s_1$ max.	1 mm
$d_a$ min.	91.5 mm
$D_a$ min.	119 mm
$D_a$ max.	123.5 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	70.4 kN
Basic static load rating $C_0$	98 kN
Fatigue load limit $P_u$	11.2 kN
Attainable speed for grease lubrication	13000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Reference grease quantity $G_{ref}$	10.2 cm <sup>3</sup>
Mass bearing	0.79 kg