



45 mm x 100 mm x 25 mm SKF QJ 309 N2PHAS angular contact ball bearings

Bearing No. QJ 309 N2PHAS

QJ 309 N2PHAS Bearing 2D drawings and 3D CAD models

Size	100x45x25 mm
Bore Diameter	100 mm
Outer Diameter	45 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
d <sub>1</sub>	58 mm
D <sub>1</sub>	81.2 mm
a	51 mm
h	5 mm
b	6.5 mm
r <sub>0</sub>	0.5 mm
r <sub>1,2</sub> - min.	1.5 mm
d <sub>a</sub> - min.	54 mm
D <sub>a</sub> - max.	91 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	100 kN
Basic static load rating - C <sub>0</sub>	83 kN
Fatigue load limit - P <sub>u</sub>	3.6 kN
Reference speed	10000 r/min
Limiting speed	12000 r/min
Calculation factor - k <sub>a</sub>	1.1
Calculation factor - e	0.95



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Calculation factor - X	0.6
Calculation factor - $Y_0$	0.58
Calculation factor - $Y_1$	0.66
Calculation factor - $Y_2$	1.07
$d_1$	58 mm
$D_1$	81.2 mm
$r_0$	0.5 mm
$r_{1,2}$ min.	1.5 mm
$d_a$ min.	54 mm
$D_a$ max.	91 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	100 kN
Basic static load rating $C_0$	83 kN
Fatigue load limit $P_u$	3.55 kN
Calculation factor A	0.0202
Calculation factor e	0.95
Calculation factor X	0.6
Calculation factor $Y_0$	0.58
Calculation factor $Y_1$	0.66
Calculation factor $Y_2$	1.07
Mass bearing	1.05 kg