



Bearing No. 1309 EKTN9 + H 309

D	100 mm
d	40 mm
B	25 mm
Size (mm)	100x40x39
Width (mm)	39
d <sub>3</sub>	65 mm
B <sub>1</sub>	39 mm
d <sub>1</sub>	40 mm
B <sub>1</sub>	39 mm
d <sub>3</sub>	65 mm
D <sub>1</sub>	87.8 mm
B <sub>4</sub>	11 mm
B <sub>4</sub>	11 mm
Limiting speed	8500 r/min
Bearing number	1309 EKTN9 + H 309
Reference speed	12000 r/min
r <sub>a</sub> max.	1.5 mm
B <sub>a</sub> min.	6 mm
D <sub>a</sub> max.	91 mm
d <sub>b</sub> min.	50 mm
d <sub>a</sub> max.	67 mm
Bore Diameter (mm)	100
Outer Diameter (mm)	40
B <sub>a</sub> - min.	6 mm
r <sub>a</sub> - max.	1.5 mm
d <sub>b</sub> - min.	50 mm
d <sub>a</sub> - max.	67 mm
r <sub>1,2</sub> min.	1.5 mm
Calculation factor e	0.23

$D_a$ - max.	91 mm
$D_1$ ?	87.8 mm
Calculation factor - e	0.23
$r_{1,2}$ - min.	1.5 mm
Fatigue load limit - $P_u$	0.7 kN
Basic dynamic load rating C	39 kN
Mass bearing + adapter sleeve	1.2 kg
Basic dynamic load rating - C	39 kN
Calculation factor $k_r$	0.04
Calculation factor $Y_2$	4.2
Calculation factor $Y_1$	2.7
Calculation factor $Y_0$	2.8
Fatigue load limit $P_u$	0.7 kN
Calculation factor - $Y_2$	4.2
Calculation factor - $Y_1$	2.7
Calculation factor - $k_r$	0.04
Calculation factor - $Y_0$	2.8
Permissible angular misalignment ?	3 °
Basic static load rating $C_0$	13.4 kN
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