



Bearing No. 2309 EKTN9 + H 2309

D	100 mm
d	40 mm
B	36 mm
Size (mm)	100x40x50
Width (mm)	50
d <sub>3</sub>	65 mm
B <sub>1</sub>	50 mm
d <sub>1</sub>	40 mm
B <sub>1</sub>	50 mm
d <sub>3</sub>	65 mm
D <sub>1</sub>	86 mm
B <sub>4</sub>	11 mm
B <sub>4</sub>	11 mm
Limiting speed	9000 r/min
Bearing number	2309 EKTN9 + H 2309
Reference speed	13000 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.	60 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.	60 mm
r <sub>1,2</sub> min.	1.5 mm
Calculation factor e	0.33

$D_a$ - max.	91 mm
$D_1$ ?	86 mm
Calculation factor - e	0.33
$r_{1,2}$ - min.	1.5 mm
Fatigue load limit - $P_u$	1 kN
Basic dynamic load rating C	63.7 kN
Mass bearing + adapter sleeve	1.4 kg
Basic dynamic load rating - C	63.7 kN
Calculation factor $k_r$	0.05
Calculation factor $Y_2$	3
Calculation factor $Y_1$	1.9
Calculation factor $Y_0$	2
Fatigue load limit $P_u$	1 kN
Calculation factor - $Y_2$	3
Calculation factor - $Y_1$	1.9
Calculation factor - $k_r$	0.05
Calculation factor - $Y_0$	2
Permissible angular misalignment ?	3 °
Basic static load rating $C_0$	19.3 kN
Basic static load rating - $C_0$	19.3 kN