



Bearing No. BTM 65 BTN9/HCP4CDB

D	100 mm
d	65 mm
B	16,5 mm
C	16,5 mm
H	33 mm
d1	80,9 mm
dh	79 mm
D1	86,5 mm
Weight	0,85 Kg
r4 min.	0,6 mm
Da max.	96,8 mm
da min.	71 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r1 min.	1,1 mm
rb max.	0,6 mm
ra max.	1 mm
Size (mm)	65x100x16.5
Width (mm)	16,5
Mass bearing	0.85 kg
D <sub>1</sub>	91.1 mm
d <sub>n</sub>	78.8 mm
d <sub>1</sub>	80.9 mm
Bearing number	BTM 65 BTN9/HCP4CDB
Preload class A	250 N
Preload class B	750 N
d <sub>a</sub> min.	71 mm
D <sub>a</sub> max.	96.8 mm
r <sub>a</sub> max.	1 mm

$r_b$ max.	0.6 mm
Bore Diameter (mm)	65
Outer Diameter (mm)	100
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
(Oil) Lubrication Speed	12 400 r/min
(Grease) Lubrication Speed	10 400 r/min
Basic dynamic load rating C	26 kN
Basic static load rating (C0)	54 kN
Basic dynamic load rating (C)	26 kN
Fatigue load limit $P_u$	2.32 kN
Static axial stiffness for preload A	380 N/ $\mu$ m
Static axial stiffness for preload B	566 N/ $\mu$ m
Basic static load rating $C_0$	54 kN
Attainable speed for grease lubrication	10400 r/min
Attainable speed for oil-air lubrication	12400 r/min
Reference grease quantity $G_{ref}$	8.4 cm <sup>3</sup>