



Bearing No. BTM 80 BTN9/HCP4CDB

D	125 mm
d	80 mm
H	40.5 mm
Size (mm)	80x125x40.5
Width (mm)	40,5
Mass bearing	1.65 kg
d_n	97.9 mm
d_n	97.9 mm
D_1	113.7 mm
d_1	100.8 mm
D_1	113.7 mm
d_1	100.8 mm
Bearing number	BTM 80 BTN9/HCP4CDB
Preload class A	400 N
G_{ref}	16 cm
Preload class B	1200 N
Bore Diameter (mm)	80
r_b max.	0.6 mm
r_a max.	1 mm
D_a max.	121 mm
d_a min.	86 mm
Outer Diameter (mm)	125
$r_{3,4}$ min.	0.6 mm
r_a - max.	1 mm
D_a - max.	121 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	86 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm

$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	39 kN
Basic dynamic load rating - C	39 kN
Fatigue load limit P_u	3.55 kN
Fatigue load limit - P_u	3.6 kN
Limiting speed for oil lubrication	10000 mm/min
Static axial stiffness for preload A	472 N/ μ m
Static axial stiffness for preload B	705 N/ μ m
Limiting speed for grease lubrication	8400 r/min
Static Axial rigidity, Preload class A	472 N/micron
Basic static load rating C_0	85 kN
Static Axial rigidity, Preload class B	705 N/micron
Attainable speed for grease lubrication	8400 r/min
Basic static load rating - C_0	85 kN
Attainable speed for oil-air lubrication	10000 r/min
Reference grease quantity G_{ref}	16 cm ³