



Bearing No. BTM 80 ATN9/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 ATN9/HCP4CDB
Preload class A	300 N
$G_{ref}$	16 cm
Preload class B	900 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	33.5 kN
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Fatigue load limit $P_u$	3.1 kN
Fatigue load limit - $P_u$	3.1 kN
Limiting speed for oil lubrication	11500 mm/min
Static axial stiffness for preload A	280 N/ $\mu$ m
Static axial stiffness for preload B	422 N/ $\mu$ m
Limiting speed for grease lubrication	9600 r/min
Static Axial rigidity, Preload class A	280 N/micron
Basic static load rating $C_0$	73.5 kN
Static Axial rigidity, Preload class B	422 N/micron
Attainable speed for grease lubrication	9600 r/min
Basic static load rating - $C_0$	73.5 kN
Attainable speed for oil-air lubrication	11500 r/min
Reference grease quantity $G_{ref}$	16 cm <sup>3</sup>