



Bearing No. BTM 75 BTN9/HCP4CDB

D	115 mm
d	75 mm
H	36 mm
Size (mm)	75x115x36
Width (mm)	36
Mass bearing	1.2 kg
d <sub>n</sub>	91.1 mm
d <sub>n</sub>	91.1 mm
D <sub>1</sub>	105.2 mm
d <sub>1</sub>	93.55 mm
D <sub>1</sub>	105.2 mm
d <sub>1</sub>	93.55 mm
Bearing number	BTM 75 BTN9/HCP4CDB
Preload class A	350 N
G <sub>ref</sub>	11.8 cm
Preload class B	1050 N
Bore Diameter (mm)	75
r <sub>b</sub> max.	0.6 mm
r <sub>a</sub> max.	1 mm
D <sub>a</sub> max.	111 mm
d <sub>a</sub> min.	81 mm
Outer Diameter (mm)	115
r <sub>3,4</sub> min.	0.6 mm
r <sub>a</sub> - max.	1 mm
D <sub>a</sub> - max.	111 mm
r <sub>1,2</sub> min.	1.1 mm
d <sub>a</sub> - min.	81 mm
r <sub>b</sub> - max.	0.6 mm
r <sub>3,4</sub> - min.	0.6 mm

$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	32.5 kN
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Fatigue load limit $P_u$	2.9 kN
Fatigue load limit - $P_u$	2.9 kN
Limiting speed for oil lubrication	10700 mm/min
Static axial stiffness for preload A	447 N/ $\mu$ m
Static axial stiffness for preload B	670 N/ $\mu$ m
Limiting speed for grease lubrication	9000 r/min
Static Axial rigidity, Preload class A	447 N/micron
Basic static load rating $C_0$	69.5 kN
Static Axial rigidity, Preload class B	670 N/micron
Attainable speed for grease lubrication	9000 r/min
Basic static load rating - $C_0$	69.5 kN
Attainable speed for oil-air lubrication	10700 r/min
Reference grease quantity $G_{ref}$	11.8 cm <sup>3</sup>