



Bearing No. BTM 70 BTN9/P4CDB

D	110 mm
d	70 mm
H	36 mm
Size (mm)	70x110x36
Width (mm)	36
Mass bearing	1.2 kg
$d_n$	86.1 mm
$d_n$	86.1 mm
$D_1$	100.2 mm
$d_1$	88.55 mm
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$d_1$	88.55 mm
Bearing number	BTM 70 BTN9/P4CDB
Preload class A	350 N
$G_{ref}$	11 cm
Preload class B	1050 N
Bore Diameter (mm)	70
$r_b$ max.	0.6 mm
$r_a$ max.	1 mm
$D_a$ max.	106 mm
$d_a$ min.	76 mm
Outer Diameter (mm)	110
$r_{3,4}$ min.	0.6 mm
$r_a$ - max.	1 mm
$D_a$ - max.	106 mm
$r_{1,2}$ min.	1.1 mm
$d_a$ - min.	76 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	32 kN
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Fatigue load limit $P_u$	2.85 kN
Fatigue load limit - $P_u$	2.8 kN
Limiting speed for oil lubrication	9900 mm/min
Static axial stiffness for preload A	389 N/ $\mu$ m
Static axial stiffness for preload B	587 N/ $\mu$ m
Limiting speed for grease lubrication	7700 r/min
Static Axial rigidity, Preload class A	389 N/micron
Basic static load rating $C_0$	67 kN
Static Axial rigidity, Preload class B	587 N/micron
Attainable speed for grease lubrication	7700 r/min
Basic static load rating - $C_0$	67 kN
Attainable speed for oil-air lubrication	9900 r/min
Reference grease quantity $G_{ref}$	11 cm <sup>3</sup>