



Bearing No. BTM 110 BTN9/P4CDB

D	170 mm
d	110 mm
H	54 mm
Size (mm)	110x170x54
Width (mm)	54
Mass bearing	4.25 kg
$d_n$	134.1 mm
$d_n$	134.1 mm
$D_1$	155 mm
$d_1$	137.9 mm
$D_1$	155 mm
$d_1$	137.9 mm
Bearing number	BTM 110 BTN9/P4CDB
Preload class A	750 N
$G_{ref}$	38 cm
Preload class B	2250 N
Bore Diameter (mm)	110
$r_b$ max.	1 mm
$r_a$ max.	2 mm
$D_a$ max.	165 mm
$d_a$ min.	119 mm
Outer Diameter (mm)	170
$r_{3,4}$ min.	1 mm
$r_a$ - max.	2 mm
$D_a$ - max.	165 mm
$r_{1,2}$ min.	2 mm
$d_a$ - min.	119 mm
$r_b$ - max.	1 mm
$r_{3,4}$ - min.	1 mm

$r_{1,2}$ - min.	2 mm
Basic dynamic load rating C	65.5 kN
Basic dynamic load rating - C	65.5 kN
Fatigue load limit $P_u$	5.5 kN
Fatigue load limit - $P_u$	5.5 kN
Limiting speed for oil lubrication	6400 mm/min
Static axial stiffness for preload A	591 N/ $\mu$ m
Static axial stiffness for preload B	886 N/ $\mu$ m
Limiting speed for grease lubrication	4900 r/min
Static Axial rigidity, Preload class A	591 N/micron
Basic static load rating $C_0$	153 kN
Static Axial rigidity, Preload class B	886 N/micron
Attainable speed for grease lubrication	4900 r/min
Basic static load rating - $C_0$	153 kN
Attainable speed for oil-air lubrication	6400 r/min
Reference grease quantity $G_{ref}$	38 cm <sup>3</sup>