



Bearing No. BTM 90 BTN9/P4CDB

D	140 mm
d	90 mm
H	45 mm
Size (mm)	90x140x45
Width (mm)	45
Mass bearing	2.45 kg
d_n	109.7 mm
d_n	109.7 mm
D_1	127.1 mm
d_1	113 mm
D_1	127.1 mm
d_1	113 mm
Bearing number	BTM 90 BTN9/P4CDB
Preload class A	550 N
G_{ref}	22 cm
Preload class B	1650 N
Bore Diameter (mm)	90
r_b max.	1 mm
r_a max.	1.5 mm
D_a max.	135 mm
d_a min.	97 mm
Outer Diameter (mm)	140
$r_{3,4}$ min.	1 mm
r_a - max.	1.5 mm
D_a - max.	135 mm
$r_{1,2}$ min.	1.5 mm
d_a - min.	97 mm
r_b - max.	1 mm
$r_{3,4}$ - min.	1 mm

$r_{1,2}$ - min.	1.5 mm
Basic dynamic load rating C	46.5 kN
Basic dynamic load rating - C	46.5 kN
Fatigue load limit P_u	4 kN
Fatigue load limit - P_u	4 kN
Limiting speed for oil lubrication	7700 mm/min
Static axial stiffness for preload A	495 N/ μ m
Static axial stiffness for preload B	747 N/ μ m
Limiting speed for grease lubrication	6000 r/min
Static Axial rigidity, Preload class A	495 N/micron
Basic static load rating C_0	102 kN
Static Axial rigidity, Preload class B	747 N/micron
Attainable speed for grease lubrication	6000 r/min
Basic static load rating - C_0	102 kN
Attainable speed for oil-air lubrication	7700 r/min
Reference grease quantity G_{ref}	22 cm ³