



**Bearing No. BTM 85 BTN9/P4CDB**

D	130 mm
d	85 mm
H	40.5 mm
Size (mm)	85x130x40.5
Width (mm)	40,5
Mass bearing	1.85 kg
$d_n$	102.9 mm
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$D_1$	118.7 mm
$d_1$	105.8 mm
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Bearing number	BTM 85 BTN9/P4CDB
Preload class A	400 N
$G_{ref}$	16.8 cm
Preload class B	1200 N
Bore Diameter (mm)	85
$r_b$ max.	0.6 mm
$r_a$ max.	1 mm
$D_a$ max.	126 mm
$d_a$ min.	91 mm
Outer Diameter (mm)	130
$r_{3,4}$ min.	0.6 mm
$r_a$ - max.	1 mm
$D_a$ - max.	126 mm
$r_{1,2}$ min.	1.1 mm
$d_a$ - min.	91 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	40 kN
Basic dynamic load rating - C	40 kN
Fatigue load limit $P_u$	3.6 kN
Fatigue load limit - $P_u$	3.6 kN
Limiting speed for oil lubrication	8300 mm/min
Static axial stiffness for preload A	435 N/ $\mu$ m
Static axial stiffness for preload B	656 N/ $\mu$ m
Limiting speed for grease lubrication	6400 r/min
Static Axial rigidity, Preload class A	435 N/micron
Basic static load rating $C_0$	88 kN
Static Axial rigidity, Preload class B	656 N/micron
Attainable speed for grease lubrication	6400 r/min
Basic static load rating - $C_0$	88 kN
Attainable speed for oil-air lubrication	8300 r/min
Reference grease quantity $G_{ref}$	16.8 cm <sup>3</sup>