



Bearing No. BTM 170 BM/HCP4CDB

D	260 mm
d	170 mm
H	81 mm
Size (mm)	170x260x81
Width (mm)	81
Mass bearing	15 kg
d_n	205.4 mm
d_n	205.4 mm
D_1	237.5 mm
d_1	211.3 mm
D_1	237.5 mm
d_1	211.3 mm
Bearing number	BTM 170 BM/HCP4CDB
Preload class A	1800 N
G_{ref}	126 cm
Preload class B	5400 N
Bore Diameter (mm)	170
r_b max.	1 mm
r_a max.	2 mm
D_a max.	254 mm
d_a min.	181 mm
Outer Diameter (mm)	260
$r_{3,4}$ min.	1.1 mm
r_a - max.	2 mm
D_a - max.	254 mm
$r_{1,2}$ min.	2.1 mm
d_a - min.	181 mm
r_b - max.	1 mm
$r_{3,4}$ - min.	1.1 mm

$r_{1,2}$ - min.	2.1 mm
Basic dynamic load rating C	140 kN
Basic dynamic load rating - C	140 kN
Fatigue load limit P_u	10.4 kN
Fatigue load limit - P_u	10.4 kN
Limiting speed for oil lubrication	4600 mm/min
Static axial stiffness for preload A	1030 N/ μ m
Static axial stiffness for preload B	1553 N/ μ m
Limiting speed for grease lubrication	3900 r/min
Static Axial rigidity, Preload class A	1030 N/micron
Basic static load rating C_0	360 kN
Static Axial rigidity, Preload class B	1553 N/micron
Attainable speed for grease lubrication	3900 r/min
Basic static load rating - C_0	360 kN
Attainable speed for oil-air lubrication	4600 r/min
Reference grease quantity G_{ref}	126 cm ³