



Bearing No. BTM 170 AM/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 AM/HCP4CDB
Preload class A	1350 N
$G_{ref}$	126 cm
Preload class B	4050 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	118 kN
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Fatigue load limit $P_u$	9.15 kN
Fatigue load limit - $P_u$	9.2 kN
Limiting speed for oil lubrication	5300 mm/min
Static axial stiffness for preload A	612 N/ $\mu$ m
Static axial stiffness for preload B	925 N/ $\mu$ m
Limiting speed for grease lubrication	4500 r/min
Static Axial rigidity, Preload class A	612 N/micron
Basic static load rating $C_0$	315 kN
Static Axial rigidity, Preload class B	925 N/micron
Attainable speed for grease lubrication	4500 r/min
Basic static load rating - $C_0$	315 kN
Attainable speed for oil-air lubrication	5300 r/min
Reference grease quantity $G_{ref}$	126 cm <sup>3</sup>