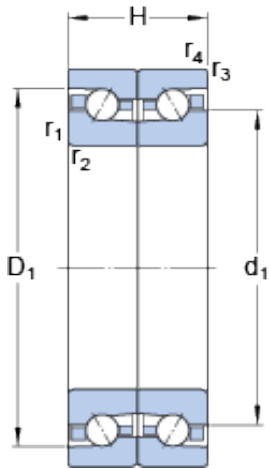




# MSD MANUFACTURING CO.,LTD.



skf BTM 150 AM/HCP4CDB Angular contact thrust ball bearings, double direction, super-precision

Bearing No. BTM 150 AM/HCP4CDB

BTM 150 AM/HCP4CDB Bearing 2D drawings and 3D CAD models

Size	150x225x67.5 mm
Bore Diameter	150 mm
Outer Diameter	225 mm
Width	67,5 mm
d	150 mm
D	225 mm
H	67.5 mm
d <sub>1</sub>	184.9 mm
D <sub>1</sub>	206.2 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	161 mm
D <sub>a</sub> - max.	219 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	179.9 mm
Basic dynamic load rating - C	86.5 kN
Basic static load rating - C <sub>0</sub>	228 kN
Fatigue load limit - P <sub>u</sub>	7.1 kN
Limiting speed for grease lubrication	5200 r/min
Limiting speed for oil lubrication	6200 mm/min
Preload class A	1000 N



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Preload class B	3000 N
Static Axial rigidity, Preload class A	536 N/micron
Static Axial rigidity, Preload class B	814 N/micron
$G_{ref}$	80 cm
$d_1$	184.9 mm
$D_1$	206.2 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	161 mm
$D_a$ max.	219 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	179.9 mm
Basic dynamic load rating C	86.5 kN
Basic static load rating $C_0$	228 kN
Fatigue load limit $P_u$	7.1 kN
Attainable speed for grease lubrication	5200 r/min
Attainable speed for oil-air lubrication	6200 r/min
Static axial stiffnes for preload A	536 N/ $\mu$ m
Static axial stiffnes for preload B	814 N/ $\mu$ m
Reference grease quantity $G_{ref}$	80 cm <sup>3</sup>
Mass bearing	9 kg