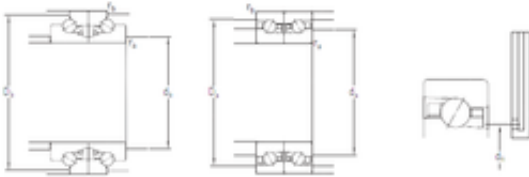


180 mm x 280 mm x 45 mm skf BTM 180
BM/P4CDB Angular contact thrust ball bearings,
double direction, super-precision

Bearing No. BTM 180 BM/P4CDB



BTM 180 BM/P4CDB Bearing 2D drawings and 3D
CAD models

Size	180x280x45 mm
Bore Diameter	180 mm
Outer Diameter	280 mm
Width	45 mm
d	180 mm
D	280 mm
B	45 mm
C	45 mm
d1	226,5 mm
r1 min.	2,1 mm
r2 min.	2,1 mm
r3 min.	1,1 mm
r4 min.	1,1 mm
D1	241,7 mm
H	90 mm
da min.	191 mm
Da max.	274 mm
ra max.	2 mm
rb max.	1 mm
dh	220 mm
Weight	21,5 Kg
Basic dynamic load rating (C)	163 kN
Basic static load rating (C0)	425 kN
(Grease) Lubrication Speed	3 000 r/min



MSD MANUFACTURING CO.,LTD.

(Oil) Lubrication Speed	3 800 r/min
d_1	226.5 mm
D_1	254.7 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	191 mm
D_a max.	274 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	219.9 mm
Basic dynamic load rating C	163 kN
Basic static load rating C_0	425 kN
Fatigue load limit P_u	11.8 kN
Attainable speed for grease lubrication	3000 r/min
Attainable speed for oil-air lubrication	3800 r/min
Preload class A	2100 N
Preload class B	6300 N
Static axial stiffness for preload A	1000 N/ μ m
Static axial stiffness for preload B	1504 N/ μ m
Reference grease quantity G_{ref}	160 cm ³
Mass bearing	21.4 kg