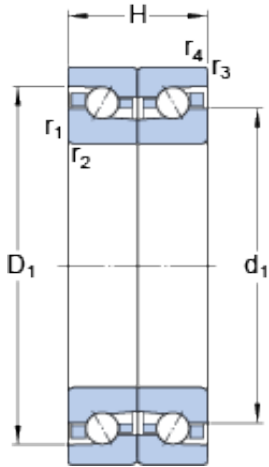




# UNF BRAINGS SALES JAPAN CO.,LTD.



BTM 80 BTN9/HCP4CDB Bearing 2D drawings and 3D CAD models

## SKF BTM 80 BTN9/HCP4CDB Light pressure contact seals Precision Bearings

Bearing No. BTM 80 BTN9/HCP4CDB

Size	80x125x40.5 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	40,5 mm
d	80 mm
D	125 mm
H	40.5 mm
d <sub>1</sub>	100.8 mm
D <sub>1</sub>	113.7 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
d <sub>a</sub> - min.	86 mm
D <sub>a</sub> - max.	121 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	97.9 mm
Basic dynamic load rating - C	39 kN
Basic static load rating - C <sub>0</sub>	85 kN
Fatigue load limit - P <sub>u</sub>	3.6 kN
Limiting speed for grease lubrication	8400 r/min
Limiting speed for oil lubrication	10000 mm/min
Preload class A	400 N
Preload class B	1200 N



## UNF BRAINGS SALES JAPAN CO.,LTD.

Static Axial rigidity, Preload class A	472 N/micron
Static Axial rigidity, Preload class B	705 N/micron
$G_{ref}$	16 cm
$d_1$	100.8 mm
$D_1$	113.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	86 mm
$D_a$ max.	121 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
$d_n$	97.9 mm
Basic dynamic load rating C	39 kN
Basic static load rating $C_0$	85 kN
Fatigue load limit $P_u$	3.55 kN
Attainable speed for grease lubrication	8400 r/min
Attainable speed for oil-air lubrication	10000 r/min
Static axial stiffnes for preload A	472 N/ $\mu$ m
Static axial stiffnes for preload B	705 N/ $\mu$ m
Reference grease quantity $G_{ref}$	16 cm <sup>3</sup>
Mass bearing	1.65 kg