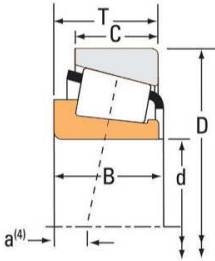




# BEARING USA CORP.

## TYPE TS



## BTM 170 BM/P4CDB Angular Contact Ball Bearing 170x260x81mm

Bearing No. 18685

18685 Bearing 2D drawings and 3D CAD models

Series	18600
Cone Part Number	18685
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	20400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	5280 lbf
d	1.7500 in
B - Cone Width	0.6875 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.110 in
da - Cone Frontface Backing Diameter	1.95 in
db - Cone Backface Backing Diameter	2.17 in
Ab - Cage-Cone Frontface Clearance	0.09 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location <sup>4</sup>	-0.08 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	3030 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	11700 lbf



## BEARING USA CORP.

C0 - Static Radial Rating	13800 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	1940 lbf
K - Factor <sup>8</sup>	1.56
G1 - Heat Generation Factor (Roller-Raceway)	23.9
G2 - Heat Generation Factor (Rib-Roller End)	17.7
Cg - Geometry Factor	0.0725