



# BEARING BOWER CORP.

## TYPE TS



## NP727209 Tapered Roller Bearing 50x80x15.5/20.5mm

Bearing No. 3780

3780 Bearing 2D drawings and 3D CAD models

Series	3700
Cone Part Number	3780
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	47800 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	12400 lbf
d	2 in
B - Cone Width	1.1930 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.28 in
db - Cone Backface Backing Diameter	2.52 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.06 in
a - Effective Center Location <sup>4</sup>	-0.32 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	7120 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	27500 lbf



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C0 - Static Radial Rating	34300 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	4120 lbf
K - Factor <sup>8</sup>	1.73
G1 - Heat Generation Factor (Roller-Raceway)	49.9
G2 - Heat Generation Factor (Rib-Roller End)	14.5
Cg - Geometry Factor	0.0903