



# BEARING USA CORP.

## TYPE TS



## C4140K30V C4140V Toroidal Roller Bearings

Bearing No. JM207049A

JM207049A Bearing 2D drawings and 3D CAD models

Series	M207000
Cone Part Number	JM207049A
Design Units	METRIC
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	51100 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	13200 lbf
d	55.000 mm
B - Cone Width	29.000 mm
WPD	89.7 mm
DD	80.1 mm
R - Cone Backface To Clear Radius <sup>3</sup>	6.100 mm
da - Cone Frontface Backing Diameter	62 mm
db - Cone Backface Backing Diameter	73 mm
Ab - Cage-Cone Frontface Clearance	3 mm
Aa - Cage-Cone Backface Clearance	0.8 mm
a - Effective Center Location <sup>4</sup>	-7.6 mm
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	33800 N
C1 - Dynamic Radial Rating	131000 N



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(1 million revolutions) <sup>6</sup>	
C0 - Static Radial Rating	168000 N
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	19400 N
K - Factor <sup>8</sup>	1.74
G1 - Heat Generation Factor (Roller-Raceway)	56.4
G2 - Heat Generation Factor (Rib-Roller End)	19.9
Cg - Geometry Factor	0.0937