



# Shanghai Shengjie Bearing Co., Ltd.

## TYPE TS



## Timken JM205149 JM205110 Tapered roller bearing

Bearing No. JM205149

JM205149 Bearing 2D drawings and 3D CAD models

Series	M205100
Cone Part Number	JM205149
Design Units	METRIC
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	57400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	14900 lbf
d	50.000 mm
B - Cone Width	28.000 mm
WPD	84.3 mm
DD	75.1 mm
R - Cone Backface To Clear Radius <sup>3</sup>	3.050 mm
da - Cone Frontface Backing Diameter	57 mm
db - Cone Backface Backing Diameter	63 mm
Ab - Cage-Cone Frontface Clearance	2.8 mm
Aa - Cage-Cone Backface Clearance	0.3 mm
a - Effective Center Location <sup>4</sup>	-7.6 mm
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	38000 N



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C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	147000 N
C0 - Static Radial Rating	154000 N
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	21400 N
K - Factor <sup>8</sup>	1.78
G1 - Heat Generation Factor (Roller-Raceway)	48.2
G2 - Heat Generation Factor (Rib-Roller End)	15.2
Cg - Geometry Factor	0.0885