



**TYPE TS**



**Timken Part Number Jm716649 - Jm716610-B,  
Tapered Roller Bearings**

Bearing No. Jm716649

Jm716649 Bearing 2D drawings and 3D CAD models

Series	M716600
Cone Part Number	JM716649
Design Units	METRIC
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	63100 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	16400 lbf
d	85 mm
B - Cone Width	29.000 mm
WPD	123.7 mm
DD	111.1 mm
R - Cone Backface To Clear Radius <sup>3</sup>	3.050 mm
da - Cone Frontface Backing Diameter	92 mm
db - Cone Backface Backing Diameter	98 mm
Ab - Cage-Cone Frontface Clearance	3 mm
Aa - Cage-Cone Backface Clearance	1.8 mm
a - Effective Center Location <sup>4</sup>	-0.3 mm
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	41800 N



## Qingdao XMD Autos Ball Bearing Co., Ltd.

C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	161000 N
C0 - Static Radial Rating	245000 N
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	31800 N
K - Factor <sup>8</sup>	1.31
G1 - Heat Generation Factor (Roller-Raceway)	117.1
G2 - Heat Generation Factor (Rib-Roller End)	38.4
Cg - Geometry Factor	0.13