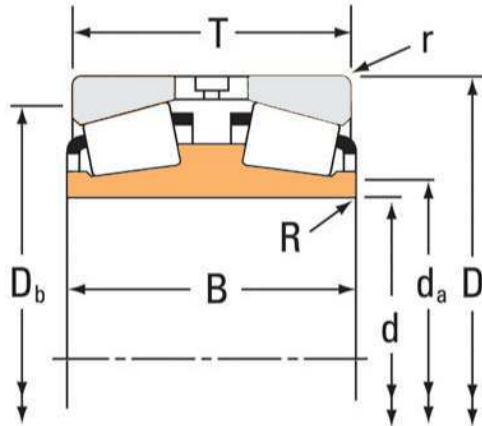




TYPE TDI



LM287649D Bearing 2D drawings and 3D CAD models

Timken LM287649D LM287610 Tapered Roller Bearings

Bearing No. LM287649D

Series	LM287600
Cone Part Number	LM287649D
Design Units	Imperial
Cage Type	Pin-Type
db - Cone Backface Backing Diameter	38.98 in
C1 - Dynamic Radial Rating (1 million revolutions) <sup>1</sup>	2050000 lbf
C0 - Static Radial Rating	5300000 lbf
d	36.9375 in
B - Double Cone Width	15.7500 in
R - Cone Frontface To Clear Radius <sup>2</sup>	0.190 in
da - Cone Frontface Backing Diameter	38.98 in
Ab - Cage-Cone Frontface Clearance	0.56 in
C90 - Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	532000 lbf
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	3570000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	926000 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	303000 lbf



## Shandong Weibo Precision Bearing Co.,...

K - Factor <sup>7</sup>	1.76
G1 - Heat Generation Factor (Roller-Raceway) <sup>8</sup>	37200
G2 - Heat Generation Factor (Rib-Roller End)	1610
Cg - Geometry Factor <sup>9</sup>	0.428