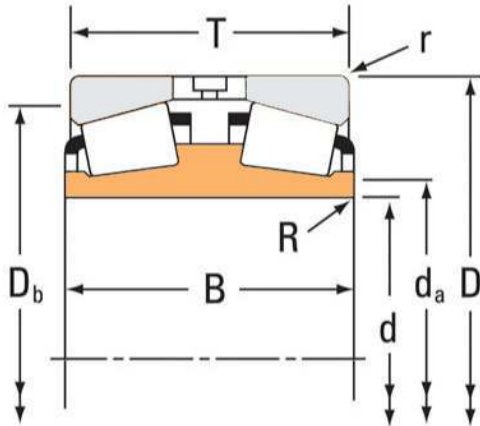




TYPE TDI

Timken 78251D 78537 Tapered Roller Bearings



78251D Bearing 2D drawings and 3D CAD models

Bearing No. 78251D

Series	78000
Cone Part Number	78251D
Design Units	Imperial
Cage Type	Stamped Steel
db - Cone Backface Backing Diameter	3.11 in
C1 - Dynamic Radial Rating (1 million revolutions) <sup>1</sup>	38400 lbf
C0 - Static Radial Rating	43400 lbf
d	2.5000 in
B - Double Cone Width	2.5980 in
R - Cone Frontface To Clear Radius <sup>2</sup>	0.090 in
da - Cone Frontface Backing Diameter	3.11 in
Ab - Cage-Cone Frontface Clearance	0.08 in
C90 - Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	9970 lbf
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	66900 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	17400 lbf
C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	14800 lbf
K - Factor <sup>7</sup>	0.67



## Shandong Xiangyue bearing Trading Co....

G1 - Heat Generation Factor (Roller-Raceway) <sup>8</sup>	62.6
G2 - Heat Generation Factor (Rib-Roller End)	19.1
Cg - Geometry Factor <sup>9</sup>	0.0884