



# NTN BEARINGS INDUSTRY

## TYPE TS



## Timken 39590 Bearing

Bearing No. 39590

39590 Bearing 2D drawings and 3D CAD models

Series	39500
Cone Part Number	39590
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	65300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	16900 lbf
d	2.6250 in
B - Cone Width	1.1875 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.95 in
db - Cone Backface Backing Diameter	3.23 in
Ab - Cage-Cone Frontface Clearance	0.13 in
Aa - Cage-Cone Backface Clearance	0.05 in
a - Effective Center Location <sup>4</sup>	-0.26 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	9730 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	37500 lbf
C0 - Static Radial Rating	50300 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	5650 lbf
K - Factor <sup>8</sup>	1.72
G1 - Heat Generation Factor (Roller-Raceway)	84.3
G2 - Heat Generation Factor (Rib-Roller End)	23.7
Cg - Geometry Factor	0.107