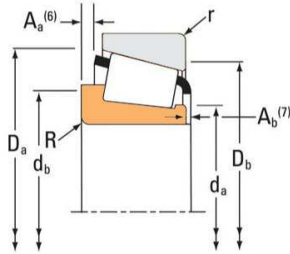
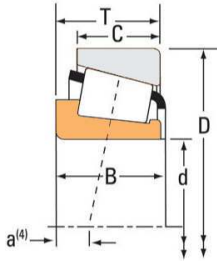




TYPE TS



Timken 66589 66522D Tapered roller bearing

Bearing No. 66589

66589 Bearing 2D drawings and 3D CAD models

Series	66500
Cone Part Number	66589
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	71700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	18600 lbf
d	2.3611 in
B - Cone Width	1.2500 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.03 in
da - Cone Frontface Backing Diameter	2.87 in
db - Cone Backface Backing Diameter	2.91 in
Ab - Cage-Cone Frontface Clearance	0.11 in
Aa - Cage-Cone Backface Clearance	0.18 in
a - Effective Center Location <sup>4</sup>	0.08 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	10700 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	41200 lbf
C0 - Static Radial Rating	39900 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	12200 lbf
K - Factor <sup>8</sup>	0.88
G1 - Heat Generation Factor (Roller-Raceway)	57
G2 - Heat Generation Factor (Rib-Roller End)	18.3
Cg - Geometry Factor	0.0797