



# RAA Bearing Trading Co., Ltd.

## TYPE TS



## timken 25590 Angular Contact Ball Bearings

Bearing No. 25590

25590 Bearing 2D drawings and 3D CAD models

Series	25500
Cone Part Number	25590
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	35400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	9180 lbf
d	1.7960 in
B - Cone Width	1.0000 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.01 in
db - Cone Backface Backing Diameter	2.28 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location <sup>4</sup>	-0.25 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	5270 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	20300 lbf
C0 - Static Radial Rating	24900 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	3020 lbf
K - Factor <sup>8</sup>	1.74
G1 - Heat Generation Factor (Roller-Raceway)	35.2
G2 - Heat Generation Factor (Rib-Roller End)	14.3
Cg - Geometry Factor	0.0801