



# RAA Bearing Trading Co., Ltd.

## TYPE TS



## timken 25580 Angular Contact Ball Bearings

Bearing No. 25580

Series	25500
Cone Part Number	25580
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	1.7500 in
B - Cone Width	1.0000 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	1.97 in
db - Cone Backface Backing Diameter	2.24 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

25580 Bearing 2D drawings and 3D CAD models



## RAA Bearing Trading Co., Ltd.

$C_{a90}$ - 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