



# BROWNING BEARING COMPANY

## TYPE TS



## timken 3982 bearing

Bearing No. 3982

Series	3900
Cone Part Number	3982
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	54300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	14100 lbf
d	2.5000 in
B - Cone Width	1.1830 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.8 in
db - Cone Backface Backing Diameter	3.03 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.06 in
a - Effective Center Location <sup>4</sup>	-0.18 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	8090 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	31200 lbf
C0 - Static Radial Rating	43000 lbf

3982 Bearing 2D drawings and 3D CAD models



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	5570 lbf
K - Factor <sup>8</sup>	1.45
G1 - Heat Generation Factor (Roller-Raceway)	75.2
G2 - Heat Generation Factor (Rib-Roller End)	21.3
Cg - Geometry Factor	0.109