



# BEARING DRIVESHAFT, INC.

## TYPE TS



## Timken 6461a Bearing

Bearing No. 6461a

Series	6400
Cone Part Number	6461A
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	161000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	41700 lbf
d	3 in
B - Cone Width	2.1350 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.380 in
da - Cone Frontface Backing Diameter	3.52 in
db - Cone Backface Backing Diameter	4.25 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.09 in
a - Effective Center Location <sup>4</sup>	-0.59 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	24000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	92400 lbf
C0 - Static Radial Rating	104000 lbf

6461a Bearing 2D drawings and 3D CAD models



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	14800 lbf
K - Factor <sup>8</sup>	1.61
G1 - Heat Generation Factor (Roller-Raceway)	158
G2 - Heat Generation Factor (Rib-Roller End)	29.1
Cg - Geometry Factor	0.0931