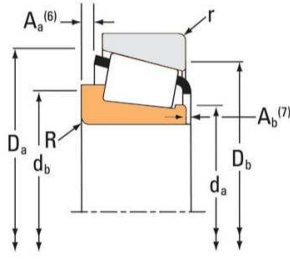




# BEARING USA CORP.

## TYPE TS



## R12 Ceramic Bearing

Bearing No. 15101

15101 Bearing 2D drawings and 3D CAD models

Series	15000
Cone Part Number	15101
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	23400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	6080 lbf
d	1.0000 in
B - Cone Width	0.8125 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.03 in
da - Cone Frontface Backing Diameter	1.24 in
db - Cone Backface Backing Diameter	1.28 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.03 in
a - Effective Center Location <sup>4</sup>	-0.23 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	3490 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	13500 lbf
C0 - Static Radial Rating	12100 lbf



## BEARING USA CORP.

$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	2090 lbf
K - Factor <sup>8</sup>	1.67
G1 - Heat Generation Factor (Roller-Raceway)	14.6
G2 - Heat Generation Factor (Rib-Roller End)	7.58
Cg - Geometry Factor	0.0606