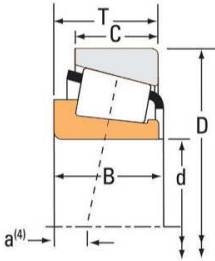




Garlock BEARING MANUFACTURING LTD

TYPE TS



timken 08125 Angular Contact Ball Bearings

Bearing No. 08125

Series	08000
Cone Part Number	08125
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	12400 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	3220 lbf
d	1.2500 in
B - Cone Width	0.5937 in
R - Cone Backface To Clear Radius ³	0.04 in
da - Cone Frontface Backing Diameter	1.42 in
db - Cone Backface Backing Diameter	1.48 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.02 in
a - Effective Center Location ⁴	-0.05 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	1850 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	7130 lbf
C0 - Static Radial Rating	7880 lbf

08125 Bearing 2D drawings and 3D CAD models



Garlock BEARING MANUFACTURING LTD

C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	1500 lbf
K - Factor ⁸	1.23
G1 - Heat Generation Factor (Roller-Raceway)	10.7
G2 - Heat Generation Factor (Rib-Roller End)	10.6
Cg - Geometry Factor	0.0601