



Garlock BEARING MANUFACTURING LTD

TYPE TS



timken 3782 Angular Contact Ball Bearings

Bearing No. 3782

Series	3700
Cone Part Number	3782
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	47800 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	12400 lbf
d	1.7500 in
B - Cone Width	1.1930 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	2.05 in
db - Cone Backface Backing Diameter	2.28 in
Ab - Cage-Cone Frontface Clearance	0.06 in
Aa - Cage-Cone Backface Clearance	0.06 in
a - Effective Center Location ⁴	-0.32 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	7120 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	27500 lbf
C0 - Static Radial Rating	34300 lbf

3782 Bearing 2D drawings and 3D CAD models



Garlock BEARING MANUFACTURING LTD

C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	4120 lbf
K - Factor ⁸	1.73
G1 - Heat Generation Factor (Roller-Raceway)	49.9
G2 - Heat Generation Factor (Rib-Roller End)	14.5
Cg - Geometry Factor	0.0903