



BEARING CORP. OF CANADA LTD.

TYPE TS



Timken 782 Bearing

Bearing No. 782

Series	775
Cone Part Number	782
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	135000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	35100 lbf
d	4.1250 in
B - Cone Width	1.8900 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	4.57 in
db - Cone Backface Backing Diameter	4.8 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.13 in
a - Effective Center Location ⁴	-0.32 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	20200 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	77800 lbf
C0 - Static Radial Rating	111000 lbf

782 Bearing 2D drawings and 3D CAD models



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	13300 lbf
K - Factor ⁸	1.51
G1 - Heat Generation Factor (Roller-Raceway)	227.3
G2 - Heat Generation Factor (Rib-Roller End)	41.3
Cg - Geometry Factor	0.107