



TYPE TS



Timken 78255X 78549D Tapered roller bearing

Bearing No. 78255X

78255X Bearing 2D drawings and 3D CAD models

Series	78000
Cone Part Number	78255X
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	79300 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	20600 lbf
d	2.5586 in
B - Cone Width	1.2962 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	3.11 in
db - Cone Backface Backing Diameter	3.5 in
Ab - Cage-Cone Frontface Clearance	0.22 in
Aa - Cage-Cone Backface Clearance	0.24 in
a - Effective Center Location ⁴	0.31 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	11800 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	45600 lbf
C0 - Static Radial Rating	43400 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	17500 lbf
K - Factor ⁸	0.67
G1 - Heat Generation Factor (Roller-Raceway)	62.6
G2 - Heat Generation Factor (Rib-Roller End)	19.1
Cg - Geometry Factor	0.0884