



Liaocheng City Hsn Bearing Co., Ltd.

TYPE TS



Timken M278749 M278710CD Tapered roller bearing

Bearing No. M278749

M278749 Bearing 2D drawings and 3D CAD models

Series	M278700
Cone Part Number	M278749
Design Units	Imperial
Cage Type	Pin-Type
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	1770000 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	460000 lbf
d	22.5000 in
B - Cone Width	6.1250 in
R - Cone Backface To Clear Radius ³	0.25 in
da - Cone Frontface Backing Diameter	23.98 in
db - Cone Backface Backing Diameter	24.21 in
Ab - Cage-Cone Frontface Clearance	0.34 in
Aa - Cage-Cone Backface Clearance	0.53 in
a - Effective Center Location ⁴	-0.45 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	264000 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	1020000 lbf



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C0 - Static Radial Rating	2370000 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	150000 lbf
K - Factor ⁸	1.76
G1 - Heat Generation Factor (Roller-Raceway)	12425.1
G2 - Heat Generation Factor (Rib-Roller End)	669.4
Cg - Geometry Factor	0.299