



TYPE TS



Timken 778 774D Tapered roller bearing

Bearing No. 778

778 Bearing 2D drawings and 3D CAD models

Series	775
Cone Part Number	778
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	3.6250 in
B - Cone Width	1.8900 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	4.13 in
db - Cone Backface Backing Diameter	4.37 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



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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
C _g - Geometry Factor	0.107