



GF BEARING-SINGAPORE LTD.

TYPE TS



TIMKEN 1779 bearing

Bearing No. 1779

Series	1700
Cone Part Number	1779
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	17800 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	4610 lbf
d	0.9375 in
B - Cone Width	0.7810 in
R - Cone Backface To Clear Radius ³	0.03 in
da - Cone Frontface Backing Diameter	1.12 in
db - Cone Backface Backing Diameter	1.16 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.01 in
a - Effective Center Location ⁴	-0.27 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	2650 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	10200 lbf
C0 - Static Radial Rating	10200 lbf

1779 Bearing 2D drawings and 3D CAD models



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C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	1390 lbf
K - Factor ⁸	1.9
G1 - Heat Generation Factor (Roller-Raceway)	10.6
G2 - Heat Generation Factor (Rib-Roller End)	5.39
C _g - Geometry Factor	0.0521