



# GF BEARING-SINGAPORE LTD.

## TYPE TS



## TIMKEN 33275 bearing

Bearing No. 33275

Series	33000
Cone Part Number	33275
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	54200 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	14000 lbf
d	2.7500 in
B - Cone Width	1.1875 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	3.11 in
db - Cone Backface Backing Diameter	3.35 in
Ab - Cage-Cone Frontface Clearance	0.07 in
Aa - Cage-Cone Backface Clearance	0.07 in
a - Effective Center Location <sup>4</sup>	-0.11 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	8060 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	31100 lbf
C0 - Static Radial Rating	44300 lbf

33275 Bearing 2D drawings and 3D CAD models



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C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	6020 lbf
K - Factor <sup>8</sup>	1.34
G1 - Heat Generation Factor (Roller-Raceway)	84.2
G2 - Heat Generation Factor (Rib-Roller End)	25.9
C <sub>g</sub> - Geometry Factor	0.116