

# Timken 241/560YMB spherical roller bearings

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Series	33000
Cone Part Number	33287A
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	2.8750 in
B – Cone Width	1.1875 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.010 in
da – Cone Frontface Backing Diameter	3.19 in
db – Cone Backface Backing Diameter	3.23 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
Ca90 – 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
Cg – Geometry Factor	0.116