



TYPE TS



Timken 53177 53376D Tapered roller bearing

Bearing No. 53177

53177 Bearing 2D drawings and 3D CAD models

Series	53000
Cone Part Number	53177
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	46500 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	12000 lbf
d	1.7500 in
B - Cone Width	1.1142 in
R - Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da - Cone Frontface Backing Diameter	2.07 in
db - Cone Backface Backing Diameter	2.48 in
Ab - Cage-Cone Frontface Clearance	0.12 in
Aa - Cage-Cone Backface Clearance	0.19 in
a - Effective Center Location <sup>4</sup>	-0.01 in
C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	6920 lbf
C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	26700 lbf
C0 - Static Radial Rating	23400 lbf



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$C_{a90}$ - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	8760 lbf
K - Factor <sup>8</sup>	0.79
G1 - Heat Generation Factor (Roller-Raceway)	26.7
G2 - Heat Generation Factor (Rib-Roller End)	9.63
Cg - Geometry Factor	0.093