

# SKF 445533A angular contact ball bearings

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Series	39500
Cone Part Number	39585A
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	65300 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	16900 lbf
d	2.5000 in
B – Cone Width	1.1875 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.03 in
da – Cone Frontface Backing Diameter	2.8 in
db – Cone Backface Backing Diameter	2.83 in
Ab – Cage-Cone Frontface Clearance	0.13 in
Aa – Cage-Cone Backface Clearance	0.05 in
a – Effective Center Location <sup>4</sup>	-0.26 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	9730 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	37500 lbf
C0 – Static Radial Rating	50300 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	5650 lbf
K – Factor <sup>8</sup>	1.72

G1 – Heat Generation Factor (Roller-Raceway)	84.3
G2 – Heat Generation Factor (Rib-Roller End)	23.7
Cg – Geometry Factor	0.107