

# AST 22330CKW33 spherical roller bearings

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Series	25500
Cone Part Number	25584A
Cup Part Number	25520DC
Design Units	Imperial
Bearing Weight	2.79 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.06 in
d	1.7712 in
D	3.2650 in
B – Cone Width	1.0000 in
C – Double Cup Width	1.8750 in
T – Bearing Width across Cones	2.2500 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.14 in
r – Cup Frontface To Clear Radius <sup>2</sup>	0.03 in
db – Cone Backface Backing Diameter	2.24 in
Da – Cup Frontface Backing Diameter	3.05 in
Aa – Cage-Cone Backface Clearance	0.01 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	5270 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	35400 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	9180 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	3020 lbf
K – Factor <sup>7</sup>	1.74
e – ISO Factor <sup>8</sup>	0.33
Y1 – ISO Factor <sup>9</sup>	2.02
Y2 – ISO Factor <sup>10</sup>	3
Cg – Geometry Factor <sup>11</sup>	0.0801