

# Toyana Q1009 angular contact ball bearings

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Series	93000
Cone Part Number	93775
Cup Part Number	J93129A
Design Units	Imperial
Bearing Weight	19.2 Kg
Cage Type	Stamped Steel
d	196.850 mm
D	319.999 mm
B – Cone Width	63.5 mm
C – Cup Width	46.038 mm
B	63.5 mm
R – Cone Backface To Clear Radius <sup>1</sup>	4.320 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.30 mm
da – Cone Frontface Backing Diameter	215.90 mm
db – Cone Backface Backing Diameter	223.01 mm
Da – Cup Frontface Backing Diameter	298.50 mm
Db – Cup Backface Backing Diameter	287.02 mm
Ab – Cage-Cone Frontface Clearance	5.3 mm
Aa – Cage-Cone Backface Clearance	8.1 mm
a – Effective Center Location <sup>3</sup>	7.9 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	42600 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	164000 lbf
C0 – Static Radial Rating	290000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	38200 lbf
K – Factor <sup>7</sup>	1.12
e – ISO Factor <sup>8</sup>	0.52
Y – ISO Factor <sup>9</sup>	1.15
G1 – Heat Generation Factor (Roller-Raceway)	912.5
G2 – Heat Generation Factor (Rib-Roller End)	126.1
Cg – Geometry Factor	0.146