

# Toyana 7318C angular contact ball bearings

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Cone Part Number	H913843
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	107000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	27700 lbf
d	2.4375 in
B – Cone Width	1.5625 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.280 in
da – Cone Frontface Backing Diameter	3.24 in
db – Cone Backface Backing Diameter	3.82 in
Ab – Cage-Cone Frontface Clearance	0.18 in
Aa – Cage-Cone Backface Clearance	0.29 in
a – Effective Center Location <sup>4</sup>	0.17 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	15900 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	61300 lbf
C0 – Static Radial Rating	57500 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	21300 lbf
K – Factor <sup>8</sup>	0.75
G1 – Heat Generation Factor (Roller-Raceway)	78.5

G2 – Heat Generation Factor (Rib-Roller End)	17.3
Cg – Geometry Factor	0.0927