

# ISO 7018 ADF angular contact ball bearings

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Series	11000
Cone Part Number	11157
Cup Part Number	11315
Design Units	Imperial
Bearing Weight	0.4 Kg
Cage Type	Stamped Steel
d	39.980 mm
D	80 mm
B – Cone Width	17.384 mm
C – Cup Width	14.288 mm
B	18.009 mm
R – Cone Backface To Clear Radius <sup>1</sup>	1.520 mm
r – Cup Backface To Clear Radius <sup>2</sup>	1.52 mm
da – Cone Frontface Backing Diameter	45.47 mm
db – Cone Backface Backing Diameter	48.01 mm
Da – Cup Frontface Backing Diameter	73.90 mm
Db – Cup Backface Backing Diameter	69.09 mm
Ab – Cage-Cone Frontface Clearance	2.3 mm
Aa – Cage-Cone Backface Clearance	1 mm
a – Effective Center Location <sup>3</sup>	-0.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	2800 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	10800 lbf
C0 – Static Radial Rating	12400 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	2340 lbf
K – Factor <sup>7</sup>	1.2
e – ISO Factor <sup>8</sup>	0.49
Y – ISO Factor <sup>9</sup>	1.23
G1 – Heat Generation Factor (Roller-Raceway)	19.2
G2 – Heat Generation Factor (Rib-Roller End)	16
Cg – Geometry Factor	0.0735