

# NMB L-1170 deep groove ball bearings

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Series	31317
Cone Part Number	X31317M
Design Units	METRIC
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	121000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	31300 lbf
d	85 mm
B – Cone Width	41 mm
WPD	167.4 mm
DD	138.8 mm
R – Cone Backface To Clear Radius <sup>3</sup>	4 mm
da – Cone Frontface Backing Diameter	110 mm
db – Cone Backface Backing Diameter	120 mm
Ab – Cage-Cone Frontface Clearance	5.6 mm
Aa – Cage-Cone Backface Clearance	8.1 mm
a – Effective Center Location <sup>4</sup>	11.9 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	79900 N
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	308000 N
C0 – Static Radial Rating	366000 N

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	113000 N
K – Factor <sup>8</sup>	0.71
G1 – Heat Generation Factor (Roller-Raceway)	145.7
G2 – Heat Generation Factor (Rib-Roller End)	31.3
Cg – Geometry Factor	0.109