

# KOYO 3NCHAR017C angular contact ball bearings

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Series	LM506800
Cone Part Number	JLM506849
Cup Part Number	JLM506810V
Design Units	METRIC
Bearing Weight	0.5 Kg
Cage Type	Stamped Steel
d	55.000 mm
D	90.000 mm
B – Cone Width	23.000 mm
C – Cup Width	18.500 mm
B	23.000 mm
R – Cone Backface To Clear Radius <sup>1</sup>	1.520 mm
r – Cup Backface To Clear Radius <sup>2</sup>	0.51 mm
da – Cone Frontface Backing Diameter	60.96 mm
db – Cone Backface Backing Diameter	62.99 mm
Da – Cup Frontface Backing Diameter	86.40 mm
Db – Cup Backface Backing Diameter	82.04 mm
Ab – Cage-Cone Frontface Clearance	2 mm
Aa – Cage-Cone Backface Clearance	0.5 mm
a – Effective Center Location <sup>3</sup>	-2.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	28200 N

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	109000 N
C0 – Static Radial Rating	123000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	19400 N
K – Factor <sup>7</sup>	1.45
e – ISO Factor <sup>8</sup>	0.4
Y – ISO Factor <sup>9</sup>	1.49
G1 – Heat Generation Factor (Roller-Raceway)	45.6
G2 – Heat Generation Factor (Rib-Roller End)	20.4
Cg – Geometry Factor	0.0925