

# KOYO BH1812 needle roller bearings

Our M252300 Series highly-skilled M252330 Cone Part Number and factory-trained service experts have the resources to help you with all your KOYO BH1812 needle roller bearings needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

Series	M252300
Cone Part Number	M252330
Cup Part Number	M252310X
Design Units	Imperial
Bearing Weight	33.5 Kg
Cage Type	Stamped Steel
d	234.95 mm
D	381.000 mm
B – Cone Width	74.613 mm
C – Cup Width	57.150 mm
B	74.610 mm
R – Cone Backface To Clear Radius <sup>1</sup>	6.35 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.30 mm
da – Cone Frontface Backing Diameter	261.11 mm
db – Cone Backface Backing Diameter	271.02 mm
Da – Cup Frontface Backing Diameter	364.00 mm
Db – Cup Backface Backing Diameter	356.11 mm
Ab – Cage-Cone Frontface Clearance	4.8 mm
Aa – Cage-Cone Backface Clearance	7.6 mm
a – Effective Center Location <sup>3</sup>	-6.6 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	73200 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	283000 lbf
C0 – Static Radial Rating	455000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	41700 lbf
K – Factor <sup>7</sup>	1.76
e – ISO Factor <sup>8</sup>	0.33
Y – ISO Factor <sup>9</sup>	1.8
G1 – Heat Generation Factor (Roller-Raceway)	1839.2
G2 – Heat Generation Factor (Rib-Roller End)	226.1
Cg – Geometry Factor	0.159