

# ISB 24038 EK30W33+AH24038 spherical roller bearings

Various LM451300 Series types and sizes to accommodate your ISB 24038 EK30W33+AH24038 spherical roller bearings requirements.

Series	LM451300
Cone Part Number	LM451349AX
Cup Part Number	LM451310V
Design Units	Imperial
Bearing Weight	14.8 Kg
Cage Type	Stamped Steel
d	266.7 mm
D	355.6 mm
B – Cone Width	57.150 mm
C – Cup Width	44.450 mm
B	57.150 mm
R – Cone Backface To Clear Radius <sup>1</sup>	9.650 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.30 mm
da – Cone Frontface Backing Diameter	280.92 mm
db – Cone Backface Backing Diameter	296.93 mm
Da – Cup Frontface Backing Diameter	343.41 mm
Db – Cup Backface Backing Diameter	335.03 mm
Ab – Cage-Cone Frontface Clearance	4.6 mm
Aa – Cage-Cone Backface Clearance	4.8 mm
a – Effective Center Location <sup>3</sup>	5.1 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	40900 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	158000 lbf
C0 – Static Radial Rating	339000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	25200 lbf
K – Factor <sup>7</sup>	1.62
e – ISO Factor <sup>8</sup>	0.36
Y – ISO Factor <sup>9</sup>	1.67
G1 – Heat Generation Factor (Roller-Raceway)	1554.1
G2 – Heat Generation Factor (Rib-Roller End)	212.2
Cg – Geometry Factor	0.154