

# ISB 24148 K30 spherical roller bearings

Manufacturers of all LM451300 Series are represented in our partial list LM451310 Cup Part Number of clients. Contact Gary for a complete ISB 24148 K30 spherical roller bearings list of clients and projects.

Series	LM451300
Cone Part Number	LM451349AX
Cup Part Number	LM451310
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