

# ISB FR144ZZ deep groove ball bearings

ISB FR144ZZ deep groove ball bearings Needs Analysis , Manufacturing Service 07000 Series 07205X Cup Part Number . Get Your Free.

Series	07000
Cone Part Number	07087
Cup Part Number	07205X
Design Units	Imperial
Bearing Weight	0.20 Kg
Cage Type	Stamped Steel
d	22.225 mm
D	51.986 mm
B – Cone Width	14.260 mm
C – Cup Width	13.000 mm
B	16.251 mm
R – Cone Backface To Clear Radius <sup>1</sup>	1.270 mm
r – Cup Backface To Clear Radius <sup>2</sup>	1.52 mm
da – Cone Frontface Backing Diameter	26.92 mm
db – Cone Backface Backing Diameter	28.45 mm
Da – Cup Frontface Backing Diameter	48.51 mm
Db – Cup Backface Backing Diameter	44.45 mm
Ab – Cage-Cone Frontface Clearance	2 mm
Aa – Cage-Cone Backface Clearance	0 mm
a – Effective Center Location <sup>3</sup>	-2.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	1700 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	6540 lbf
C0 – Static Radial Rating	6650 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	1170 lbf
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)	7.6
G2 – Heat Generation Factor (Rib-Roller End)	7.1
Cg – Geometry Factor	0.0509