

# ISB TSM 50 BB self aligning ball bearings

ISB TSM 50 BB self aligning ball bearings Needs Analysis , Manufacturing Service . Get LM272200 Series Your Free. LM272210 Cup Part Number

Series	LM272200
Cone Part Number	LM272249DW
Cup Part Number	LM272210
Design Units	Imperial
Bearing Weight	247.50 lb
Cage Type	Stamped Steel
Aa – Cage-Cone Backface Clearance	0 in
d	19.0000 in
D	24.2500 in
B – Double Cone Width	6.2500 in
C – Cup Width	2.6250 in
T – Bearing Width across Cups	6.2499 in
R – Cone Frontface To Clear Radius <sup>1</sup>	0.130 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.250 in
da – Cone Frontface Backing Diameter	19.84 in
Db – Cup Backface Backing Diameter	23.03 in
Ab – Cage-Cone Frontface Clearance	0.23 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	98600 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	662000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	172000 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	56100 lbf
K – Factor <sup>7</sup>	1.76
e – ISO Factor <sup>8</sup>	0.33
Y1 – ISO Factor <sup>9</sup>	2.03
Y2 – ISO Factor <sup>10</sup>	3.02
G1 – Heat Generation Factor (Roller-Raceway) <sup>11</sup>	6040
G2 – Heat Generation Factor (Rib-Roller End)	665
Cg – Geometry Factor <sup>12</sup>	0.233