

ISO 4205 deep groove ball bearings

ISO 4205 deep groove ball bearings Engineering Calculator , M822000 Series Manufacturing Service . Get Your Free.

Series	M822000
Cone Part Number	JM822049
Design Units	METRIC
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	88900 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	23100 lbf
d	110 mm
B – Cone Width	35.000 mm
WPD	156.7 mm
DD	140.6 mm
R – Cone Backface To Clear Radius ³	3.050 mm
da – Cone Frontface Backing Diameter	119 mm
db – Cone Backface Backing Diameter	125 mm
Ab – Cage-Cone Frontface Clearance	2.5 mm
Aa – Cage-Cone Backface Clearance	2.5 mm
a – Effective Center Location ⁴	3 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁵	58900 N
C1 – Dynamic Radial Rating (1 million revolutions) ⁶	227000 N
C0 – Static Radial Rating	356000 N

Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁷	50100 N
K – Factor ⁸	1.18
G1 – Heat Generation Factor (Roller-Raceway)	192
G2 – Heat Generation Factor (Rib-Roller End)	45.8
Cg – Geometry Factor	0.159