

ISO JLM813049/10 tapered roller bearings

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Series	542000
Cone Part Number	EE542215
Cup Part Number	542290
Design Units	Imperial
Bearing Weight	84.2 Kg
Cage Type	Stamped Steel
d	546.100 mm
D	736.600 mm
B – Cone Width	76.200 mm
C – Cup Width	50.800 mm
B	76.200 mm
R – Cone Backface To Clear Radius ¹	6.35 mm
r – Cup Backface To Clear Radius ²	6.35 mm
da – Cone Frontface Backing Diameter	576.07 mm
db – Cone Backface Backing Diameter	584.96 mm
Da – Cup Frontface Backing Diameter	707.10 mm
Db – Cup Backface Backing Diameter	695.96 mm
Ab – Cage-Cone Frontface Clearance	3.8 mm
Aa – Cage-Cone Backface Clearance	15 mm
a – Effective Center Location ³	64.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	81600 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	315000 lbf
C0 – Static Radial Rating	728000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	71000 lbf
K – Factor ⁷	1.15
e – ISO Factor ⁸	0.51
Y – ISO Factor ⁹	1.18
G1 – Heat Generation Factor (Roller-Raceway)	5727.7
G2 – Heat Generation Factor (Rib-Roller End)	782.5
Cg – Geometry Factor	0.26