

ISB 24192 K30 spherical roller bearings

ISB 24192 K30 spherical roller bearings Engineering Calculator
, Manufacturing Service . Get Your Free. HM237500 Series

Series	HM237500
Cone Part Number	HM237542
Cup Part Number	HM237513
Design Units	Imperial
Bearing Weight	15.80 Kg
Cage Type	Stamped Steel
d	174.625 mm
D	289.974 mm
B – Cone Width	63.5 mm
C – Cup Width	48.001 mm
B	63.503 mm
R – Cone Backface To Clear Radius ¹	7.110 mm
r – Cup Backface To Clear Radius ²	3.05 mm
da – Cone Frontface Backing Diameter	191.01 mm
db – Cone Backface Backing Diameter	201.93 mm
Da – Cup Frontface Backing Diameter	272.00 mm
Db – Cup Backface Backing Diameter	266.95 mm
Ab – Cage-Cone Frontface Clearance	5.1 mm
Aa – Cage-Cone Backface Clearance	5.1 mm
a – Effective Center Location ³	-11.7 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	56900 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	219000 lbf
C0 – Static Radial Rating	278000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	31100 lbf
K – Factor ⁷	1.83
e – ISO Factor ⁸	0.32
Y – ISO Factor ⁹	1.88
G1 – Heat Generation Factor (Roller-Raceway)	751.2
G2 – Heat Generation Factor (Rib-Roller End)	101.5
Cg – Geometry Factor	0.117