

KOYO 303/32R tapered roller bearings

What is KOYO 303/32R tapered roller bearings HM237500 Series in mechanical engineering? Manufacturing Service . Upload your CAD file for an instant. HM237510 Cup Part Number

Series	HM237500
Cone Part Number	HM237547
Cup Part Number	HM237510
Design Units	Imperial
Bearing Weight	15.2 Kg
Cage Type	Stamped Steel
d	180 mm
D	288.925 mm
B – Cone Width	68.263 mm
C – Cup Width	47.625 mm
B	63.505 mm
R – Cone Backface To Clear Radius ¹	7.110 mm
r – Cup Backface To Clear Radius ²	3.30 mm
da – Cone Frontface Backing Diameter	195.07 mm
db – Cone Backface Backing Diameter	205.99 mm
Da – Cup Frontface Backing Diameter	271.30 mm
Db – Cup Backface Backing Diameter	265.94 mm
Ab – Cage-Cone Frontface Clearance	3 mm
Aa – Cage-Cone Backface Clearance	4.6 mm
a – Effective Center Location ³	-11.7 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	48800 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	188000 lbf
C0 – Static Radial Rating	254000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	26600 lbf
K – Factor ⁷	1.83
e – ISO Factor ⁸	0.32
Y – ISO Factor ⁹	1.88
G1 – Heat Generation Factor (Roller-Raceway)	704.9
G2 – Heat Generation Factor (Rib-Roller End)	95.5
Cg – Geometry Factor	0.114