

KOYO 389S/382A tapered roller bearings

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Series	390000
Cone Part Number	EE390095
Cup Part Number	390200
Design Units	Imperial
Bearing Weight	94.800 Kg
Cage Type	Pin-Type
d	241.300 mm
D	508.000 mm
B – Cone Width	95.250 mm
C – Cup Width	73.025 mm
B	117.475 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	288.04 mm
db – Cone Backface Backing Diameter	296.93 mm
Da – Cup Frontface Backing Diameter	457.20 mm
Db – Cup Backface Backing Diameter	422.91 mm
Ab – Cage-Cone Frontface Clearance	18.8 mm
Aa – Cage-Cone Backface Clearance	22.9 mm
a – Effective Center Location ³	49.5 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	83500 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	322000 lbf
C0 – Static Radial Rating	473000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	134000 lbf
K – Factor ⁷	0.62
e – ISO Factor ⁸	0.94
Y – ISO Factor ⁹	0.64
G1 – Heat Generation Factor (Roller-Raceway)	1260
G2 – Heat Generation Factor (Rib-Roller End)	106
Cg – Geometry Factor	0.191