

ISO NJ19/630 cylindrical roller bearings

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Series	15000
Cone Part Number	15102
Cup Part Number	15249
Design Units	Imperial
Bearing Weight	0.30 Kg
Cage Type	Stamped Steel
d	25.400 mm
D	63.500 mm
B – Cone Width	20.638 mm
C – Cup Width	15.875 mm
B	20.638 mm
R – Cone Backface To Clear Radius ¹	1.520 mm
r – Cup Backface To Clear Radius ²	1.52 mm
da – Cone Frontface Backing Diameter	31.5 mm
db – Cone Backface Backing Diameter	34.04 mm
Da – Cup Frontface Backing Diameter	59.44 mm
Db – Cup Backface Backing Diameter	55.12 mm
Ab – Cage-Cone Frontface Clearance	1.8 mm
Aa – Cage-Cone Backface Clearance	0.8 mm
a – Effective Center Location ³	-5.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	3490 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	13500 lbf
C0 – Static Radial Rating	12100 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	2090 lbf
K – Factor ⁷	1.67
e – ISO Factor ⁸	0.35
Y – ISO Factor ⁹	1.71
G1 – Heat Generation Factor (Roller-Raceway)	14.6
G2 – Heat Generation Factor (Rib-Roller End)	10
Cg – Geometry Factor	0.0606