

NACHI E5052 cylindrical roller bearings

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Series	535
Cone Part Number	536
Cup Part Number	533D
Design Units	Imperial
Bearing Weight	7.94 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.07 in
d	1.8750 in
D	4.3750 in
B – Cone Width	1.4550 in
C – Double Cup Width	2.5 in
T – Bearing Width across Cones	3.1250 in
R – Cone Backface To Clear Radius1	0.14 in
r – Cup Frontface To Clear Radius2	0.06 in
db – Cone Backface Backing Diameter	2.44 in
Da – Cup Frontface Backing Diameter	3.96 in
Aa – Cage-Cone Backface Clearance	0.08 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions)3	10000 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions)4	67400 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	17500 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	5090 lbf
K – Factor ⁷	1.97
e – ISO Factor ⁸	0.3
Y1 – ISO Factor ⁹	2.28
Y2 – ISO Factor ¹⁰	3.39
G1 – Heat Generation Factor (Roller-Raceway) ¹¹	64.3
G2 – Heat Generation Factor (Rib-Roller End)	16.1
Cg – Geometry Factor ¹²	0.0938