

KOYO BHT3316 needle roller bearings

KOYO BHT3316 needle roller bearings Needs Analysis , Manufacturing Service . Get Your 15000 Series Free.

Series	15000
Cone Part Number	15100-S
Cup Part Number	15251D
Design Units	Imperial
Bearing Weight	1.54 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.07 in
d	1.0000 in
D	2.5000 in
B – Cone Width	0.8125 in
C – Double Cup Width	1.4375 in
T – Bearing Width across Cones	1.8124 in
R – Cone Backface To Clear Radius ¹	0.050 in
r – Cup Frontface To Clear Radius ²	0.03 in
db – Cone Backface Backing Diameter	1.32 in
Da – Cup Frontface Backing Diameter	2.34 in
Aa – Cage-Cone Backface Clearance	0.03 in
C ₉₀ – Dynamic Radial Rating (One-Row, 90 million revolutions) ³	3490 lbf
C ₁ – Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	23400 lbf
C ₉₀ (2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	6080 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	2090 lbf
K – Factor ⁷	1.67
e – ISO Factor ⁸	0.35
Y1 – ISO Factor ⁹	1.93
Y2 – ISO Factor ¹⁰	2.87
G1 – Heat Generation Factor (Roller-Raceway) ¹¹	14.6
G2 – Heat Generation Factor (Rib-Roller End)	7.58
Cg – Geometry Factor ¹²	0.0606