

ISO NF30/530 cylindrical roller bearings

ISO NF30/530 cylindrical roller bearings Product Brochures , 14000 Series Manufacturing Service . Get Your Free.

Series	14000
Cone Part Number	14118
Cup Part Number	14276-B
Design Units	Imperial
Bearing Weight	0.5 lb
Cage Type	Stamped Steel
d	1.1811 in
D	2.7170 in
D1 – Flange Outer Diameter	2.8690 in
B – Cone Width	0.7560 in
C – Cup Width	0.6250 in
C1 – Cup Flange Width	0.1560 in
T1 – Bearing Width	0.7813 in
T – Bearing Width to Flange	0.3123 in
R – Cone Backface To Clear Radius ¹	0.03 in
r – Cup Backface To Clear Radius ²	0.030 in
da – Cone Frontface Backing Diameter	1.44 in
db – Cone Backface Backing Diameter	1.46 in
Da – Cup Frontface Backing Diameter	2.60 in
Ab – Cage-Cone Frontface Clearance	0.09 in
Aa – Cage-Cone Backface Clearance	0.02 in
a – Effective Center Location ³	-0.17 in

C90 – Dynamic Radial Rating (90 million revolutions) ⁴	3180 lbf
C1 – Dynamic Radial Rating (1 million revolutions) ⁵	12300 lbf
C0 – Static Radial Rating	13900 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	2080 lbf
K – Factor ⁷	1.53
e – ISO Factor ⁸	0.38
Y – ISO Factor ⁹	1.57
G1 – Heat Generation Factor (Roller-Raceway) ¹⁰	18
G2 – Heat Generation Factor (Rib-Roller End)	9.4
Cg – Geometry Factor ¹¹	0.0668