

SIGMA N 2308 cylindrical roller bearings

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Series	3700
Cone Part Number	3778
Cup Part Number	3729D
Design Units	Imperial
Bearing Weight	4.13 lb
Cage Type	Stamped Steel
Ab – Cone-Cone Frontface Clearance	0.06 in
d	1.8750 in
D	3.6718 in
B – Cone Width	1.1930 in
C – Double Cup Width	2.0625 in
T – Bearing Width across Cones	2.5625 in
R – Cone Backface To Clear Radius ¹	0.25 in
r – Cup Frontface To Clear Radius ²	0.03 in
db – Cone Backface Backing Diameter	2.64 in
Da – Cup Frontface Backing Diameter	3.50 in
Aa – Cage-Cone Backface Clearance	0.06 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) ³	7120 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	47800 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	12400 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	4120 lbf
K – Factor ⁷	1.73
e – ISO Factor ⁸	0.34
Y1 – ISO Factor ⁹	1.99
Y2 – ISO Factor ¹⁰	2.97
G1 – Heat Generation Factor (Roller-Raceway) ¹¹	49.9
G2 – Heat Generation Factor (Rib-Roller End)	14.5
Cg – Geometry Factor ¹²	0.0903