

Timken 5306WG angular contact ball bearings

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Series	555
Cone Part Number	559
Cup Part Number	552D
Design Units	Imperial
Bearing Weight	8.91 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.08 in
d	2.5000 in
D	4.8750 in
B – Cone Width	1.4440 in
C – Double Cup Width	2.5 in
T – Bearing Width across Cones	3.1249 in
R – Cone Backface To Clear Radius ¹	0.14 in
r – Cup Frontface To Clear Radius ²	0.06 in
db – Cone Backface Backing Diameter	3.19 in
Da – Cup Frontface Backing Diameter	4.56 in
Aa – Cage-Cone Backface Clearance	0.07 in
C ₉₀ – Dynamic Radial Rating (One-Row, 90 million revolutions) ³	13200 lbf
C ₁ – Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	88500 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	22900 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	7810 lbf
K – Factor ⁷	1.69
e – ISO Factor ⁸	0.35
Y1 – ISO Factor ⁹	1.95
Y2 – ISO Factor ¹⁰	2.9
G1 – Heat Generation Factor (Roller-Raceway) ¹¹	91
G2 – Heat Generation Factor (Rib-Roller End)	21.1
Cg – Geometry Factor ¹²	0.111