

Timken 511028 angular contact ball bearings

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Series	43000
Cone Part Number	43118
Cup Part Number	43300
Design Units	Imperial
Bearing Weight	0.5 Kg
Cage Type	Stamped Steel
d	30.163 mm
D	76.2 mm
B – Cone Width	24.074 mm
C – Cup Width	16.670 mm
B	24.608 mm
R – Cone Backface To Clear Radius ¹	1.520 mm
r – Cup Backface To Clear Radius ²	3.30 mm
da – Cone Frontface Backing Diameter	41.91 mm
db – Cone Backface Backing Diameter	44.96 mm
Da – Cup Frontface Backing Diameter	73.90 mm
Db – Cup Backface Backing Diameter	64.01 mm
Ab – Cage-Cone Frontface Clearance	3.3 mm
Aa – Cage-Cone Backface Clearance	2.5 mm
a – Effective Center Location ³	-2 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁴	5360 lbf

C1 – Dynamic Radial Rating (1 million revolutions) ⁵	20700 lbf
C0 – Static Radial Rating	17100 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	6130 lbf
K – Factor ⁷	0.87
e – ISO Factor ⁸	0.67
Y – ISO Factor ⁹	0.9
G1 – Heat Generation Factor (Roller-Raceway)	16.8
G2 – Heat Generation Factor (Rib-Roller End)	7.57
Cg – Geometry Factor	0.0774