

CYSD 7812CDB angular contact ball bearings

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Series	280000
Cone Part Number	EE280700D
Cup Part Number	281202
Design Units	Imperial
Bearing Weight	68.30 lb
Cage Type	Stamped Steel
Aa – Cage-Cone Backface Clearance	0 in
d	7.0000 in
D	12 in
B – Double Cone Width	4.5000 in
C – Cup Width	1.6875 in
T – Bearing Width across Cups	4.3085 in
R – Cone Frontface To Clear Radius ¹	0.130 in
r – Cup Backface To Clear Radius ²	0.130 in
da – Cone Frontface Backing Diameter	7.87 in
Db – Cup Backface Backing Diameter	10.98 in
Ab – Cage-Cone Frontface Clearance	0.08 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) ³	35100 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ⁴	236000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ⁵	61200 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	21700 lbf
K – Factor ⁷	1.62
e – ISO Factor ⁸	0.36
Y1 – ISO Factor ⁹	1.87
Y2 – ISO Factor ¹⁰	2.79
G1 – Heat Generation Factor (Roller-Raceway) ¹¹	591
G2 – Heat Generation Factor (Rib-Roller End)	86
Cg – Geometry Factor ¹²	0.112