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 Radius1	0.130 in
r — Cup Backface To Clear Radius2	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 - Factor7	1.62
e - ISO Factor8	0.36
Y1 - ISO Factor9	1.87
Y2 - ISO Factor10	2.79
G1 — Heat Generation Factor (Roller-Raceway)11	591
G2 — Heat Generation Factor (Rib-Roller End)	86
Cg — Geometry Factor12	0.112