

SNR 7214BA angular contact ball bearings

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Series	32214
Cone Part Number	X32214
Design Units	METRIC
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	84600 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	21900 lbf
d	70 mm
B – Cone Width	31.000 mm
WPD	117 mm
DD	105.2 mm
R – Cone Backface To Clear Radius ³	2.030 mm
da – Cone Frontface Backing Diameter	79 mm
db – Cone Backface Backing Diameter	82 mm
Ab – Cage-Cone Frontface Clearance	4.1 mm
Aa – Cage-Cone Backface Clearance	2.8 mm
a – Effective Center Location ⁴	-4.6 mm
C90 – Dynamic Radial Rating (90 million revolutions) ⁵	56000 N
C1 – Dynamic Radial Rating (1 million revolutions) ⁶	216000 N
C0 – Static Radial Rating	224000 N

Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁷	40300 N
K – Factor ⁸	1.39
G1 – Heat Generation Factor (Roller-Raceway)	81.4
G2 – Heat Generation Factor (Rib-Roller End)	25.6
Cg – Geometry Factor	0.0779