

# NTN 7918UADG/GNP42 angular contact ball bearings

NTN 7918UADG/GNP42 angular contact ball bearings, Units and Housings CAD models , Manufacturing Service . Get Your Free. 94000 Series

Series	94000
Cone Part Number	94700
Cup Part Number	94113A
Design Units	Imperial
Bearing Weight	15.400 Kg
Cage Type	Stamped Steel
d	177.800 mm
D	288.925 mm
B – Cone Width	63.5 mm
C – Cup Width	47.625 mm
B	63.5 mm
R – Cone Backface To Clear Radius <sup>1</sup>	7.110 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.30 mm
da – Cone Frontface Backing Diameter	195.07 mm
db – Cone Backface Backing Diameter	207.01 mm
Da – Cup Frontface Backing Diameter	273.05 mm
Db – Cup Backface Backing Diameter	259.08 mm
Ab – Cage-Cone Frontface Clearance	6.3 mm
Aa – Cage-Cone Backface Clearance	6.1 mm
a – Effective Center Location <sup>3</sup>	-0.8 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	38500 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	148000 lbf
C0 – Static Radial Rating	242000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	30800 lbf
K – Factor <sup>7</sup>	1.25
e – ISO Factor <sup>8</sup>	0.47
Y – ISO Factor <sup>9</sup>	1.28
G1 – Heat Generation Factor (Roller-Raceway)	692.3
G2 – Heat Generation Factor (Rib-Roller End)	93.9
Cg – Geometry Factor	0.129