

# NTN NK8/16T2+IR5×8×16 needle roller bearings

NTN NK8/16T2+IR5×8×16 needle roller bearings 93800W Cone Part Number with easy-to-use parts graphics, giving 93000 Series you the ability to check parts availability, pricing, examine remanufactured options.

Series	93000
Cone Part Number	93800W
Cup Part Number	93125
Design Units	Imperial
Bearing Weight	17.700 Kg
Cage Type	Stamped Steel
d	203.2 mm
D	317.500 mm
B – Cone Width	63.5 mm
C – Cup Width	46.038 mm
B	63.5 mm
R – Cone Backface To Clear Radius <sup>1</sup>	4.320 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.30 mm
da – Cone Frontface Backing Diameter	220.98 mm
db – Cone Backface Backing Diameter	227.08 mm
Da – Cup Frontface Backing Diameter	300.00 mm
Db – Cup Backface Backing Diameter	286.00 mm
Ab – Cage-Cone Frontface Clearance	5.3 mm
Aa – Cage-Cone Backface Clearance	8.1 mm
a – Effective Center Location <sup>3</sup>	7.9 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	42600 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	164000 lbf
C0 – Static Radial Rating	290000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	38200 lbf
K – Factor <sup>7</sup>	1.12
e – ISO Factor <sup>8</sup>	0.52
Y – ISO Factor <sup>9</sup>	1.15
G1 – Heat Generation Factor (Roller-Raceway)	912.5
G2 – Heat Generation Factor (Rib-Roller End)	126.1
Cg – Geometry Factor	0.146