

# NTN 31330X tapered roller bearings

NTN 31330X tapered roller bearings, Units and Housings 02400 Series CAD models , 02420-B Cup Part Number Manufacturing Service . Get Your Free.

Series	02400
Cone Part Number	02473
Cup Part Number	02420-B
Design Units	Imperial
Bearing Weight	1.3 lb
Cage Type	Stamped Steel
d	1.0000 in
D	2.6875 in
D1 – Flange Outer Diameter	2.8397 in
B – Cone Width	0.8750 in
C – Cup Width	0.6875 in
C1 – Cup Flange Width	0.1562 in
T1 – Bearing Width	0.8750 in
T – Bearing Width to Flange	0.3437 in
R – Cone Backface To Clear Radius1	0.03 in
r – Cup Backface To Clear Radius2	0.06 in
da – Cone Frontface Backing Diameter	1.32 in
db – Cone Backface Backing Diameter	1.36 in
Da – Cup Frontface Backing Diameter	2.60 in
Ab – Cage-Cone Frontface Clearance	0.06 in
Aa – Cage-Cone Backface Clearance	0.03 in
a – Effective Center Location3	-0.2 in

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	3720 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	14300 lbf
C0 – Static Radial Rating	15800 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	2650 lbf
K – Factor <sup>7</sup>	1.4
e – ISO Factor <sup>8</sup>	0.42
Y – ISO Factor <sup>9</sup>	1.44
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	17.5
G2 – Heat Generation Factor (Rib-Roller End)	8.48
Cg – Geometry Factor <sup>11</sup>	0.0681