

# FBJ NKI 22/20 needle roller bearings

We 16000 Series work closely with our FBJ NKI 22/20 needle roller bearings manufacturing partners to bring 16137 Cone Part Number the best value to customers.

Series	16000
Cone Part Number	16137
Cup Part Number	16284-B
Design Units	Imperial
Bearing Weight	1.3 lb
Cage Type	Stamped Steel
d	1.3750 in
D	2.8440 in
D1 – Flange Outer Diameter	2.9960 in
B – Cone Width	0.8125 in
C – Cup Width	0.6250 in
C1 – Cup Flange Width	0.1563 in
T1 – Bearing Width	0.8125 in
T – Bearing Width to Flange	0.3438 in
R – Cone Backface To Clear Radius1	0.14 in
r – Cup Backface To Clear Radius2	0.030 in
da – Cone Frontface Backing Diameter	1.59 in
db – Cone Backface Backing Diameter	1.85 in
Da – Cup Frontface Backing Diameter	2.74 in
Ab – Cage-Cone Frontface Clearance	0.07 in
Aa – Cage-Cone Backface Clearance	0.02 in
a – Effective Center Location3	-0.16 in

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	3300 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	12700 lbf
C0 – Static Radial Rating	14800 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	2270 lbf
K – Factor <sup>7</sup>	1.45
e – ISO Factor <sup>8</sup>	0.4
Y – ISO Factor <sup>9</sup>	1.49
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	20.3
G2 – Heat Generation Factor (Rib-Roller End)	10.6
Cg – Geometry Factor <sup>11</sup>	0.0707