

# Timken 170RJ02 cylindrical roller bearings

Timken 170RJ02 cylindrical roller bearings 3387 Cone Part Number Needs Analysis , Manufacturing Service . Get Your Free. 3300 Series

Series	3300
Cone Part Number	3387
Cup Part Number	3320-B
Design Units	Imperial
Bearing Weight	2.7 lb
Cage Type	Stamped Steel
d	1.5 in
D	3.1562 in
D1 – Flange Outer Diameter	3.3396 in
B – Cone Width	1.1965 in
C – Cup Width	0.9375 in
C1 – Cup Flange Width	0.1875 in
T1 – Bearing Width	1.1563 in
T – Bearing Width to Flange	0.4063 in
R – Cone Backface To Clear Radius1	0.03 in
r – Cup Backface To Clear Radius2	0.130 in
da – Cone Frontface Backing Diameter	1.75 in
db – Cone Backface Backing Diameter	1.77 in
Da – Cup Frontface Backing Diameter	3.05 in
Ab – Cage-Cone Frontface Clearance	0.07 in
Aa – Cage-Cone Backface Clearance	0.06 in
a – Effective Center Location3	-0.43 in

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	6700 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	25800 lbf
C0 – Static Radial Rating	29100 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	3130 lbf
K – Factor <sup>7</sup>	2.14
e – ISO Factor <sup>8</sup>	0.27
Y – ISO Factor <sup>9</sup>	2.2
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	34.6
G2 – Heat Generation Factor (Rib-Roller End)	12.1
Cg – Geometry Factor <sup>11</sup>	0.0744