

# KOYO RV303716 needle roller bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all 565 Cone Part Number your KOYO RV303716 needle roller bearings needs – including 565 Series routine maintenance, major repairs, warranty service, and equipment inspections.

Series	565
Cone Part Number	565
Cup Part Number	563-B
Design Units	Imperial
Bearing Weight	4.8 lb
Cage Type	Stamped Steel
d	2.5000 in
D	5 in
D1 – Flange Outer Diameter	5.2460 in
B – Cone Width	1.4240 in
C – Cup Width	1.1250 in
C1 – Cup Flange Width	0.2500 in
T1 – Bearing Width	1.4375 in
T – Bearing Width to Flange	0.5625 in
R – Cone Backface To Clear Radius1	0.14 in
r – Cup Backface To Clear Radius2	0.130 in
da – Cone Frontface Backing Diameter	2.87 in
db – Cone Backface Backing Diameter	3.15 in
Da – Cup Frontface Backing Diameter	4.80 in
Ab – Cage-Cone Frontface Clearance	0.11 in

Aa – Cage-Cone Backface Clearance	0.1 in
a – Effective Center Location <sup>3</sup>	-0.32 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	11400 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	44100 lbf
C0 – Static Radial Rating	58900 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	7130 lbf
K – Factor <sup>7</sup>	1.61
e – ISO Factor <sup>8</sup>	0.36
Y – ISO Factor <sup>9</sup>	1.65
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	101
G2 – Heat Generation Factor (Rib-Roller End)	24
Cg – Geometry Factor <sup>11</sup>	0.117