

# Toyana 89417 thrust roller bearings

We work closely with our Toyana 89417 thrust roller bearings manufacturing partners to bring the best value 28000 Series to 28315-B Cup Part Number customers.

Series	28000
Cone Part Number	28158
Cup Part Number	28315-B
Design Units	Imperial
Bearing Weight	2.9 lb
Cage Type	Stamped Steel
d	1.5748 in
D	3.1496 in
D1 – Flange Outer Diameter	3.3015 in
B – Cone Width	0.8244 in
C – Cup Width	0.6250 in
C1 – Cup Flange Width	0.1563 in
T1 – Bearing Width	0.8270 in
T – Bearing Width to Flange	0.3583 in
R – Cone Backface To Clear Radius1	0.06 in
r – Cup Backface To Clear Radius2	0.06 in
da – Cone Frontface Backing Diameter	1.77 in
db – Cone Backface Backing Diameter	1.87 in
Da – Cup Frontface Backing Diameter	2.91 in
Ab – Cage-Cone Frontface Clearance	0.07 in
Aa – Cage-Cone Backface Clearance	0.06 in
a – Effective Center Location3	-0.19 in

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	4390 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	16900 lbf
C0 – Static Radial Rating	15500 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	3020 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>	20.7
G2 – Heat Generation Factor (Rib-Roller End)	12.5
Cg – Geometry Factor <sup>11</sup>	0.0709