

# NSK R 166 ZZ deep groove ball bearings

NSK R 166 ZZ deep groove ball bearings with easy-to-use parts graphics, giving you the ability to check parts 52000 Series 52638 Cup Part Number availability, pricing, examine 52387D Cone Part Number remanufactured options.

Series	52000
Cone Part Number	52387D
Cup Part Number	52638
Design Units	Imperial
Bearing Weight	13.600 lb
Cage Type	Stamped Steel
Aa – Cage-Cone Backface Clearance	0 in
d	3.8750 in
D	6.3750 in
B – Double Cone Width	3.1250 in
C – Cup Width	1.1563 in
T – Bearing Width across Cups	3.4061 in
R – Cone Frontface To Clear Radius <sup>1</sup>	0.030 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.130 in
da – Cone Frontface Backing Diameter	4.29 in
Db – Cup Backface Backing Diameter	5.63 in
Ab – Cage-Cone Frontface Clearance	0.12 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	13000 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	87500 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	22700 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	10600 lbf
K – Factor <sup>7</sup>	1.23
e – ISO Factor <sup>8</sup>	0.47
Y1 – ISO Factor <sup>9</sup>	1.42
Y2 – ISO Factor <sup>10</sup>	2.12
Cg – Geometry Factor <sup>11</sup>	0.152