

# NSK MFJLT-812 needle roller bearings

NSK MFJLT-812 needle roller bearings Needs Analysis , 565 Series Manufacturing Service . Get Your Free.

Series	565
Cone Part Number	565
Cup Part Number	563DC
Design Units	Imperial
Bearing Weight	9.74 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.11 in
d	2.5000 in
D	5 in
B – Cone Width	1.4240 in
C – Double Cup Width	2.5625 in
T – Bearing Width across Cones	3.1874 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.14 in
r – Cup Frontface To Clear Radius <sup>2</sup>	0.06 in
db – Cone Backface Backing Diameter	3.15 in
Da – Cup Frontface Backing Diameter	4.72 in
Aa – Cage-Cone Backface Clearance	0.1 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	11400 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	76900 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	19900 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
Y1 – ISO Factor <sup>9</sup>	1.86
Y2 – ISO Factor <sup>10</sup>	2.76
G1 – Heat Generation Factor (Roller-Raceway) <sup>11</sup>	101
G2 – Heat Generation Factor (Rib-Roller End)	24
Cg – Geometry Factor <sup>12</sup>	0.117