

# KOYO M21101 needle roller bearings

KOYO M21101 needle roller bearings Product Brochures , Manufacturing 33821D Cup Part Number Service . Get Your 33800 Series Free.

Series	33800
Cone Part Number	33880
Cup Part Number	33821D
Design Units	Imperial
Bearing Weight	4.91 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.11 in
d	1.5 in
D	3.7500 in
B – Cone Width	1.1250 in
C – Double Cup Width	2.0624 in
T – Bearing Width across Cones	2.5000 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.14 in
r – Cup Frontface To Clear Radius <sup>2</sup>	0.03 in
db – Cone Backface Backing Diameter	2.13 in
Da – Cup Frontface Backing Diameter	3.56 in
Aa – Cage-Cone Backface Clearance	0.04 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	7560 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	50800 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	13200 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	4270 lbf
K – Factor <sup>7</sup>	1.77
e – ISO Factor <sup>8</sup>	0.33
Y1 – ISO Factor <sup>9</sup>	2.05
Y2 – ISO Factor <sup>10</sup>	3.05
G1 – Heat Generation Factor (Roller-Raceway) <sup>11</sup>	52.5
G2 – Heat Generation Factor (Rib-Roller End)	18.5
Cg – Geometry Factor <sup>12</sup>	0.091