

# KOYO RE182224AL2 needle roller bearings

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Series	3400
Cone Part Number	3477
Cup Part Number	3424YD
Design Units	Imperial
Bearing Weight	3.87 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.05 in
d	1.3125 in
D	3.2500 in
B – Cone Width	1.1721 in
C – Double Cup Width	2.1875 in
T – Bearing Width across Cones	2.6251 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	1.93 in
Da – Cup Frontface Backing Diameter	2.99 in
Aa – Cage-Cone Backface Clearance	0.04 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	6100 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	41000 lbf

C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	10600 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	3820 lbf
K – Factor <sup>7</sup>	1.6
e – ISO Factor <sup>8</sup>	0.37
Y1 – ISO Factor <sup>9</sup>	1.85
Y2 – ISO Factor <sup>10</sup>	2.75
Cg – Geometry Factor <sup>11</sup>	0.0781