

# NTN UCS202LD1N deep groove ball bearings

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Series	745
Cone Part Number	745A
Cup Part Number	742D
Design Units	Imperial
Bearing Weight	20.21 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.08 in
d	2.7500 in
D	6.1250 in
B – Cone Width	1.8375 in
C – Double Cup Width	3.3750 in
T – Bearing Width across Cones	4 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	3.46 in
Da – Cup Frontface Backing Diameter	5.64 in
Aa – Cage-Cone Backface Clearance	0.05 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	21900 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	147000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	38200 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	12200 lbf
K – Factor <sup>7</sup>	1.8
e – ISO Factor <sup>8</sup>	0.33
Y1 – ISO Factor <sup>9</sup>	2.08
Y2 – ISO Factor <sup>10</sup>	3.09
Cg – Geometry Factor <sup>11</sup>	0.0898