

# NACHI 231/710E cylindrical roller bearings

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Series	775
Cone Part Number	779D
Cup Part Number	772A
Design Units	Imperial
Bearing Weight	21.3 lb
Cage Type	Stamped Steel
Aa – Cage-Cone Backface Clearance	0 in
d	3.8750 in
D	6.8750 in
B – Double Cone Width	4.0300 in
C – Cup Width	1.5000 in
T – Bearing Width across Cups	4.0000 in
R – Cone Frontface To Clear Radius <sup>1</sup>	0.060 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.130 in
da – Cone Frontface Backing Diameter	4.41 in
Db – Cup Backface Backing Diameter	6.22 in
Ab – Cage-Cone Frontface Clearance	0.07 in
C90 – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	20200 lbf
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	135000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	35100 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	13300 lbf
K – Factor <sup>7</sup>	1.51
e – ISO Factor <sup>8</sup>	0.39
Y1 – ISO Factor <sup>9</sup>	1.75
Y2 – ISO Factor <sup>10</sup>	2.61
G1 – Heat Generation Factor (Roller-Raceway) <sup>11</sup>	227
G2 – Heat Generation Factor (Rib-Roller End)	41.3
Cg – Geometry Factor <sup>12</sup>	0.107