

# NBS K 32x37x17 needle roller bearings

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Series	27600
Cone Part Number	27689H
Cup Part Number	27620DA
Design Units	Imperial
Bearing Weight	5.02 lb
Cage Type	Stamped Steel
Ab – Cage-Cone Frontface Clearance	0.09 in
d	3.2813 in
D	4.9375 in
B – Cone Width	1.0000 in
C – Double Cup Width	1.7500 in
T – Bearing Width across Cones	2.1873 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.03 in
r – Cup Frontface To Clear Radius <sup>2</sup>	0.03 in
db – Cone Backface Backing Diameter	3.54 in
Aa – Cage-Cone Backface Clearance	0.04 in
C <sub>90</sub> – Dynamic Radial Rating (One-Row, 90 million revolutions) <sup>3</sup>	6450 lbf
C <sub>1</sub> – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>4</sup>	43300 lbf
C <sub>90(2)</sub> – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>5</sup>	11200 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	4590 lbf
K – Factor <sup>7</sup>	1.4
e – ISO Factor <sup>8</sup>	0.42
Y1 – ISO Factor <sup>9</sup>	1.62
Y2 – ISO Factor <sup>10</sup>	2.42
Cg – Geometry Factor <sup>11</sup>	0.12