

# AST BM89448/HM89410 tapered roller bearings

Welcome Imperial Design Units to the 55187C Cone Part Number AST BM89448/HM89410 tapered roller bearings 55000C Series online seller.

Series	55000C
Cone Part Number	55187C
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	59200 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	15300 lbf
d	1.8750 in
B – Cone Width	1.0594 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da – Cone Frontface Backing Diameter	2.44 in
db – Cone Backface Backing Diameter	2.72 in
Ab – Cage-Cone Frontface Clearance	0.16 in
Aa – Cage-Cone Backface Clearance	0.17 in
a – Effective Center Location <sup>4</sup>	0.3 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	8810 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	34000 lbf
C0 – Static Radial Rating	36200 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	13300 lbf

K – Factor <sup>8</sup>	0.66
G1 – Heat Generation Factor (Roller-Raceway)	48.7
G2 – Heat Generation Factor (Rib-Roller End)	15.4
Cg – Geometry Factor	0.120