

# FBJ HM911245/HM911216 tapered roller bearings

FBJ HM911245/HM911216 tapered roller bearings 855 Series Needs Analysis , Manufacturing Service . Get Your Free.

Series	855
Cone Part Number	866
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	179000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	46400 lbf
d	3.8750 in
B – Cone Width	2.2650 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da – Cone Frontface Backing Diameter	4.37 in
db – Cone Backface Backing Diameter	4.65 in
Ab – Cage-Cone Frontface Clearance	0.06 in
Aa – Cage-Cone Backface Clearance	0.15 in
a – Effective Center Location <sup>4</sup>	-0.6 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	26700 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	103000 lbf
C0 – Static Radial Rating	142000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	15300 lbf
K – Factor <sup>8</sup>	1.74

G1 – Heat Generation Factor (Roller-Raceway)	264.1
G2 – Heat Generation Factor (Rib-Roller End)	44.9
Cg – Geometry Factor	0.107