

# FAG 32303-A tapered roller bearings

What is FAG 32303-A tapered roller bearings in mechanical engineering? Manufacturing Service 745 Series . Upload your CAD file for an instant.

Series	745
Cone Part Number	749
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	147000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	38200 lbf
d	3.3475 in
B – Cone Width	1.8375 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da – Cone Frontface Backing Diameter	3.74 in
db – Cone Backface Backing Diameter	3.98 in
Ab – Cage-Cone Frontface Clearance	0.08 in
Aa – Cage-Cone Backface Clearance	0.05 in
a – Effective Center Location <sup>4</sup>	-0.47 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	21900 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	84700 lbf
C0 – Static Radial Rating	93800 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	12200 lbf

K – Factor8	1.8
G1 – Heat Generation Factor (Roller-Raceway)	159.6
G2 – Heat Generation Factor (Rib-Roller End)	26.3
Cg – Geometry Factor	0.0898