

# ISO 7304 BDF angular contact ball bearings

High Quality HM807010-B Cup Part Number ISO 7304 BDF angular contact ball bearings. HM807000 Series Competitive Pricing. Accept Small Order. Easy and Fast Shipping.

Series	HM807000
Cone Part Number	HM807046
Cup Part Number	HM807010-B
Design Units	Imperial
Bearing Weight	3.5 lb
Cage Type	Stamped Steel
d	2 in
D	4.1250 in
D1 – Flange Outer Diameter	4.5 in
B – Cone Width	1.4375 in
C – Cup Width	1.1250 in
C1 – Cup Flange Width	0.3125 in
T1 – Bearing Width	1.4375 in
T – Bearing Width to Flange	0.6250 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.14 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.130 in
da – Cone Frontface Backing Diameter	2.48 in
db – Cone Backface Backing Diameter	2.76 in
Da – Cup Frontface Backing Diameter	4.09 in
Ab – Cage-Cone Frontface Clearance	0.1 in
Aa – Cage-Cone Backface Clearance	0.12 in
a – Effective Center Location <sup>3</sup>	-0.29 in

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	11900 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	45700 lbf
C0 – Static Radial Rating	50200 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	9890 lbf
K – Factor <sup>7</sup>	1.2
e – ISO Factor <sup>8</sup>	0.49
Y – ISO Factor <sup>9</sup>	1.23
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	63.9
G2 – Heat Generation Factor (Rib-Roller End)	17.1
Cg – Geometry Factor <sup>11</sup>	0.076