

# FAG HCB7030-E-T-P4S angular contact ball bearings

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Series	JW7000
Cone Part Number	JW7049P
Cup Part Number	JW7010-SA
Design Units	METRIC
Bearing Weight	2.6 Kg
Cage Type	Stamped Steel
d	70 mm
D	140.000 mm
B – Cone Width	35.500 mm
C – Cup Width	27 mm
B	39.000 mm
R – Cone Backface To Clear Radius <sup>1</sup>	3.050 mm
r – Cup Backface To Clear Radius <sup>2</sup>	3.05 mm
da – Cone Frontface Backing Diameter	82.04 mm
db – Cone Backface Backing Diameter	95 mm
Da – Cup Frontface Backing Diameter	134.10 mm
Db – Cup Backface Backing Diameter	117.09 mm
Ab – Cage-Cone Frontface Clearance	5.3 mm
Aa – Cage-Cone Backface Clearance	4.3 mm
a – Effective Center Location <sup>3</sup>	8.6 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	62600 N
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	241000 N
C0 – Static Radial Rating	257000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	92800 N
K – Factor <sup>7</sup>	0.67
e – ISO Factor <sup>8</sup>	0.87
Y – ISO Factor <sup>9</sup>	0.69
G1 – Heat Generation Factor (Roller-Raceway)	85.2
G2 – Heat Generation Factor (Rib-Roller End)	23.4
Cg – Geometry Factor	0.0984