

# SNFA VEB 17 /S 7CE1 angular contact ball bearings

Various 12500 Series types and sizes to accommodate your SNFA VEB 17 /S 7CE1 angular contact ball bearings requirements.

Series	12500
Cone Part Number	12580
Cup Part Number	12520
Design Units	Imperial
Bearing Weight	0.20 Kg
Cage Type	Stamped Steel
d	20.638 mm
D	49.225 mm
B – Cone Width	19.845 mm
C – Cup Width	15.875 mm
B	19.845 mm
R – Cone Backface To Clear Radius <sup>1</sup>	1.520 mm
r – Cup Backface To Clear Radius <sup>2</sup>	1.52 mm
da – Cone Frontface Backing Diameter	25.91 mm
db – Cone Backface Backing Diameter	28.45 mm
Da – Cup Frontface Backing Diameter	45.97 mm
Db – Cup Backface Backing Diameter	42.42 mm
Ab – Cage-Cone Frontface Clearance	2 mm
Aa – Cage-Cone Backface Clearance	0.3 mm
a – Effective Center Location <sup>3</sup>	-7.1 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	2540 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	9810 lbf
C0 – Static Radial Rating	9720 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	1410 lbf
K – Factor <sup>7</sup>	1.81
e – ISO Factor <sup>8</sup>	0.32
Y – ISO Factor <sup>9</sup>	1.86
G1 – Heat Generation Factor (Roller-Raceway)	8.6
G2 – Heat Generation Factor (Rib-Roller End)	6.21
Cg – Geometry Factor	0.0495