

# NKE 81213-TVPB thrust roller bearings

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Series	M511900
Cone Part Number	JM511946
Cup Part Number	JM511910
Design Units	METRIC
Bearing Weight	1.1 Kg
Cage Type	Stamped Steel
d	65.000 mm
D	110.000 mm
B – Cone Width	28.000 mm
C – Cup Width	22.500 mm
B	28.000 mm
R – Cone Backface To Clear Radius <sup>1</sup>	3.050 mm
r – Cup Backface To Clear Radius <sup>2</sup>	2.54 mm
da – Cone Frontface Backing Diameter	71.88 mm
db – Cone Backface Backing Diameter	77.98 mm
Da – Cup Frontface Backing Diameter	105.40 mm
Db – Cup Backface Backing Diameter	99.06 mm
Ab – Cage-Cone Frontface Clearance	2.8 mm
Aa – Cage-Cone Backface Clearance	0.3 mm
a – Effective Center Location <sup>3</sup>	-3.3 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	43300 N

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	167000 N
C0 – Static Radial Rating	195000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	29800 N
K – Factor <sup>7</sup>	1.45
e – ISO Factor <sup>8</sup>	0.4
Y – ISO Factor <sup>9</sup>	1.49
G1 – Heat Generation Factor (Roller-Raceway)	76.3
G2 – Heat Generation Factor (Rib-Roller End)	23.5
Cg – Geometry Factor	0.11