

# Ruville 5509 wheel bearings

Ruville 5509 wheel bearings Engineering Calculator , 15580 Cone Part Number 15500 Series Manufacturing Service . Get Your Free. 15520RB Cup Part Number

Series	15500
Cone Part Number	15580
Cup Part Number	15520RB
Design Units	Imperial
Bearing Weight	0.20 Kg
Cage Type	Stamped Steel
d	26.988 mm
D	57.150 mm
B – Cone Width	17.463 mm
C – Cup Width	13.495 mm
B	17.465 mm
R – Cone Backface To Clear Radius <sup>1</sup>	3.560 mm
r – Cup Backface To Clear Radius <sup>2</sup>	1.52 mm
da – Cone Frontface Backing Diameter	32 mm
db – Cone Backface Backing Diameter	38.61 mm
Da – Cup Frontface Backing Diameter	53.10 mm
Db – Cup Backface Backing Diameter	51.05 mm
Ab – Cage-Cone Frontface Clearance	2.5 mm
Aa – Cage-Cone Backface Clearance	0 mm
a – Effective Center Location <sup>3</sup>	-5.1 mm
C <sub>90</sub> – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	2680 lbf
C <sub>1</sub> – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	10300 lbf

C0 – Static Radial Rating	11300 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	1590 lbf
K – Factor <sup>7</sup>	1.69
e – ISO Factor <sup>8</sup>	0.35
Y – ISO Factor <sup>9</sup>	1.73
G1 – Heat Generation Factor (Roller-Raceway)	12.7
G2 – Heat Generation Factor (Rib-Roller End)	10.3
Cg – Geometry Factor	0.0577