

# SKF VKHB 2189 wheel bearings

SKF VKHB 2189 wheel bearings Engineering Calculator , Y31310M Cup Part Number Manufacturing Service . Get Your Free. 31310M Series

Series	31310M
Cone Part Number	X31310M
Cup Part Number	Y31310M
Design Units	METRIC
Bearing Weight	1.2 Kg
Cage Type	Stamped Steel
d	50.000 mm
D	110.000 mm
B – Cone Width	27.000 mm
C – Cup Width	19.000 mm
B	29.250 mm
R – Cone Backface To Clear Radius <sup>1</sup>	2.540 mm
r – Cup Backface To Clear Radius <sup>2</sup>	2.03 mm
da – Cone Frontface Backing Diameter	62.99 mm
db – Cone Backface Backing Diameter	74.93 mm
Da – Cup Frontface Backing Diameter	104.40 mm
Db – Cup Backface Backing Diameter	92.96 mm
Ab – Cage-Cone Frontface Clearance	4.6 mm
Aa – Cage-Cone Backface Clearance	4.3 mm
a – Effective Center Location <sup>3</sup>	5.6 mm
C <sub>90</sub> – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	38200 N
C <sub>1</sub> – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	147000 N

C0 – Static Radial Rating	132000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	54000 N
K – Factor <sup>7</sup>	0.71
e – ISO Factor <sup>8</sup>	0.83
Y – ISO Factor <sup>9</sup>	0.73
G1 – Heat Generation Factor (Roller-Raceway)	37.1
G2 – Heat Generation Factor (Rib-Roller End)	14.7
Cg – Geometry Factor	0.069