

# Timken RAX 420 complex bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all Y32024XCM Cup Part Number your Timken RAX 420 complex bearings needs – including routine maintenance, major repairs, warranty service, and equipment 32024XC Series inspections. X32024XCM Cone Part Number

Series	32024XC
Cone Part Number	X32024XCM
Cup Part Number	Y32024XCM
Design Units	METRIC
Bearing Weight	3.3 Kg
Cage Type	Stamped Steel
d	120 mm
D	180 mm
B – Cone Width	38.000 mm
C – Cup Width	29.000 mm
B	38.000 mm
R – Cone Backface To Clear Radius1	2.540 mm
r – Cup Backface To Clear Radius2	2.03 mm
da – Cone Frontface Backing Diameter	130.05 mm
db – Cone Backface Backing Diameter	135.89 mm
Da – Cup Frontface Backing Diameter	174.00 mm
Db – Cup Backface Backing Diameter	165.10 mm
Ab – Cage-Cone Frontface Clearance	4.06 mm
Aa – Cage-Cone Backface Clearance	1.78 mm
a – Effective Center Location3	1.8 mm

C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	75300 N
C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	290000 N
C0 – Static Radial Rating	464000 N
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	59100 N
K – Factor <sup>7</sup>	1.27
e – ISO Factor <sup>8</sup>	0.46
Y – ISO Factor <sup>9</sup>	1.31
G1 – Heat Generation Factor (Roller-Raceway)	255.2
G2 – Heat Generation Factor (Rib-Roller End)	66.5
Cg – Geometry Factor	0.11