

# KOYO N314 cylindrical roller bearings

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Design Unit	METRIC
Bearing Weight	17.8 Kg
Cage Type	EM
UPC Code	087796024366
Cage Material	Brass
Superseded Part	23038YMW33C4
d	190.000 mm
D	290.000 mm
B – Inner Ring Width	75 mm
B – Outer Ring Width	75 mm
R – Inner Ring To Clear Radius <sup>1</sup>	2.0 mm
r – Outer Ring To Clear Radius <sup>2</sup>	2.0 mm
da – Inner Ring Backing Diameter	214.000 mm
Da – Outer Ring Backing Diameter	270.000 mm
C0 – Static Radial Rating	1580000 N
C1(2) – Dynamic Radial Rating (Two-Rows)	1060000 N
e – ISO Factor <sup>3</sup>	0.23
Y0 – ISO Factor <sup>4</sup>	3
Y1 – ISO Factor <sup>5</sup>	4.47
Y2 – ISO Factor <sup>6</sup>	2.93
Reference Thermal Speed Rating (Grease)	1600

Reference Thermal Speed Rating (Oil) <sup>7</sup>	1900
C <sub>g</sub> – Geometry Factor <sup>8</sup>	0.1001