

# SIGMA RXLS 5.1/2 cylindrical roller bearings

Our highly-skilled Imperial Design Units and factory-trained service 37000 Series experts have the resources to help you with all your SIGMA RXLS 5.1/2 cylindrical roller bearings needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

Series	37000
Cone Part Number	37425
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	53400 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	13900 lbf
d	4.25 in
B – Cone Width	0.8440 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.14 in
da – Cone Frontface Backing Diameter	4.53 in
db – Cone Backface Backing Diameter	4.8 in
Ab – Cage-Cone Frontface Clearance	0.15 in
Aa – Cage-Cone Backface Clearance	0.08 in
a – Effective Center Location <sup>4</sup>	0.54 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	7960 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	30700 lbf
C0 – Static Radial Rating	40100 lbf

Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	8250 lbf
K – Factor <sup>8</sup>	0.96
G1 – Heat Generation Factor (Roller-Raceway)	123.7
G2 – Heat Generation Factor (Rib-Roller End)	57.1
Cg – Geometry Factor	0.144