

# SKF W 637/4 XR deep groove ball bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all your SKF W 637/4 XR deep groove ball bearings needs – including 3585 Cone Part Number routine maintenance, 3500 Series major repairs, warranty service, and equipment inspections.

Series	3500
Cone Part Number	3585
Cup Part Number	3525-B
Design Units	Imperial
Bearing Weight	3.1 lb
Cage Type	Stamped Steel
d	1.6250 in
D	3.4375 in
D1 – Flange Outer Diameter	3.6215 in
B – Cone Width	1.2160 in
C – Cup Width	0.9375 in
C1 – Cup Flange Width	0.1870 in
T1 – Bearing Width	1.1875 in
T – Bearing Width to Flange	0.4370 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.06 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.130 in
da – Cone Frontface Backing Diameter	1.89 in
db – Cone Backface Backing Diameter	1.97 in
Da – Cup Frontface Backing Diameter	3.27 in
Ab – Cage-Cone Frontface Clearance	0.05 in

Aa – Cage-Cone Backface Clearance	0.07 in
a – Effective Center Location <sup>3</sup>	-0.4 in
C <sub>90</sub> – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	6610 lbf
C <sub>1</sub> – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	25500 lbf
C <sub>0</sub> – Static Radial Rating	30100 lbf
Ca <sub>90</sub> – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	3460 lbf
K – Factor <sup>7</sup>	1.91
e – ISO Factor <sup>8</sup>	0.31
Y – ISO Factor <sup>9</sup>	1.96
G <sub>1</sub> – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	39.5
G <sub>2</sub> – Heat Generation Factor (Rib-Roller End)	10.5
C <sub>g</sub> – Geometry Factor <sup>11</sup>	0.0808