



**SKF SYNT 35 FW bearing units**

Bearing No. SYNT 35 FW

Size	35x60x65 mm
Bore Diameter	35 mm
Outer Diameter	60 mm
Width	65 mm
$d_a$	35 mm
A	60 mm
B	65 mm
H	111 mm
$H_1$	60 mm
$H_2$	25 mm
J	170 mm
L	205 mm
H	20 mm
$N_1$	15 mm
$J_6$	185 mm
$J_7$	21 mm
$N_4$ - max.	6 mm
$A_3$	50 mm
$A_5$	22 mm
$b_a$ - min.	34 mm
$b_a$ - max.	43 mm
Basic dynamic load rating - C	86.5 kN
Basic static load rating - $C_0$	85 kN
Fatigue load limit - $P_u$	9.3 kN

SYNT 35 FW Bearing 2D drawings and 3D CAD models



## SNR BEARING CORP.OF CANADA LTD.

Limiting speed	4100 r/min
Calculation factor - e	0.31
Calculation factor - $Y_1$	2.2
Calculation factor - $Y_2$	3.3
Diameter - $d_m$	53.5 mm
Basic Designation bearing	22207 E
$P_a$	15 kN
$P_{0^\circ}$	150 kN
$P_{55^\circ}$	250 kN
$P_{90^\circ}$	150 kN
$P_{120^\circ}$	95 kN
$P_{150^\circ}$	85 kN
$P_{180^\circ}$	105 kN
Mass bearing unit	3.8 kg
$d_a$	35 mm
$H_1$	60 mm
$H_2$	25 mm
$N$	20 mm
$N_1$	15 mm
$A_3$	50 mm
$A_5$	22 mm
$b_a$ min.	34 mm
$b_a$ max.	43 mm
$J_6$	185 mm
$J_7$	21 mm
$N_4$ max.	6 mm
Basic dynamic load rating C	86.5 kN
Basic static load rating $C_0$	85 kN
Fatigue load limit $P_u$	9.3 kN
Calculation factor e	0.31
Calculation factor $Y_1$	2.2



## SNR BEARING CORP.OF CANADA LTD.

Calculation factor $Y_2$	3.3
Bearing mean diameter $d_m$	53.5 mm
Basic bearing designation	22207 E
$P_0^\circ$	150 kN
$P_{55^\circ}$	250 kN
$P_{90^\circ}$	150 kN
$P_{120^\circ}$	95 kN
$P_{150^\circ}$	85 kN
$P_{180^\circ}$	105 kN
$P_a$	15 kN
Attachment bolt diameter G	12 mm
Tightening torque for attachment bolts	80 N · m
Grub screws	3 x M 6
Tightening torque for grub screws	8 N · m
End cover	ECY 207