



SYNT 100 F Bearing 2D drawings and 3D CAD models

SKF SYNT 100 F bearing units

Bearing No. SYNT 100 F

Size	100x120x86 mm
Bore Diameter	100 mm
Outer Diameter	120 mm
Width	86 mm
d_a	100 mm
A	120 mm
B	86 mm
H	238 mm
H_1	125 mm
H_2	45 mm
J	350 mm
L	410 mm
H	32 mm
N_1	26 mm
J_6	385 mm
J_7	45 mm
N_4 - max.	8 mm
Basic dynamic load rating - C	425 kN
Basic static load rating - C_0	490 kN
Fatigue load limit - P_u	49 kN
Limiting speed	2000 r/min
Calculation factor - e	0.24
Calculation factor - Y_1	2.8
Calculation factor - Y_2	4.2



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Diameter - d_m	140 mm
Basic Designation bearing	22220 E
P_a	35 kN
P_{0°	600 kN
P_{55°	680 kN
P_{90°	410 kN
P_{120°	310 kN
P_{150°	275 kN
P_{180°	340 kN
Mass bearing unit	26 kg
d_a	100 mm
H_1	125 mm
H_2	45 mm
N	32 mm
N_1	26 mm
J_6	385 mm
J_7	45 mm
N_4 max.	8 mm
Basic dynamic load rating C	425 kN
Basic static load rating C_0	490 kN
Fatigue load limit P_u	49 kN
Calculation factor e	0.24
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Bearing mean diameter d_m	140 mm
Basic bearing designation	22220 E
P_{0°	600 kN
P_{55°	680 kN
P_{90°	410 kN
P_{120°	310 kN
P_{150°	275 kN



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P_{180°	340 kN
P_a	35 kN
Attachment bolt diameter G	24 mm
Tightening torque for attachment bolts	665 N · m
Grub screws	7 x M 6
Tightening torque for grub screws	8 N · m
Grease quantity for relubrication	17 g