



SKF SYNT 70 LTF bearing units

Bearing No. SYNT 70 LTF

Size	70x90x71 mm
Bore Diameter	70 mm
Outer Diameter	90 mm
Width	71 mm
da	70 mm
A	90 mm
B	71 mm
H	176 mm
H ₁	95 mm
H ₂	32 mm
J	260 mm
L	315 mm
H	28 mm
N ₁	22 mm
S	2.5 mm
J ₆	290 mm
J ₇	32.5 mm
N ₄ - max.	8 mm
A ₃	80 mm
A ₅	38.5 mm
ba - min.	38 mm
ba - max.	70 mm
Basic dynamic load rating - C	208 kN
Basic static load rating - C ₀	228 kN

SYNT 70 LTF Bearing 2D drawings and 3D CAD models



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Fatigue load limit - P_u	25.5 kN
Limiting speed	1300 r/min
Calculation factor - e	0.22
Calculation factor - Y_1	3
Calculation factor - Y_2	4.6
Diameter - d_m	97.5 mm
Basic Designation bearing	22214 E
P_a	20 kN
P_{0°	350 kN
P_{55°	400 kN
P_{90°	240 kN
P_{120°	160 kN
P_{150°	145 kN
P_{180°	215 kN
Mass bearing unit	11 kg
d_a	70 mm
H_1	95 mm
H_2	32 mm
N	28 mm
N_1	22 mm
A_3	80 mm
A_5	38.5 mm
b_a min.	38 mm
b_a max.	70 mm
J_6	290 mm
J_7	32.5 mm
N_4 max.	8 mm
Basic dynamic load rating C	208 kN
Basic static load rating C_0	228 kN
Fatigue load limit P_u	25.5 kN



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Calculation factor e	0.22
Calculation factor Y_1	3
Calculation factor Y_2	4.6
Bearing mean diameter d_m	97.5 mm
P_0°	350 kN
P_{55°	400 kN
P_{90°	240 kN
P_{120°	160 kN
P_{150°	145 kN
P_{180°	215 kN
P_a	20 kN
Attachment bolt diameter G	20 mm
Tightening torque for attachment bolts	385 N · m
Grub screws	4 x M 6
Tightening torque for grub screws	8 N · m
Grease quantity for relubrication	8 g