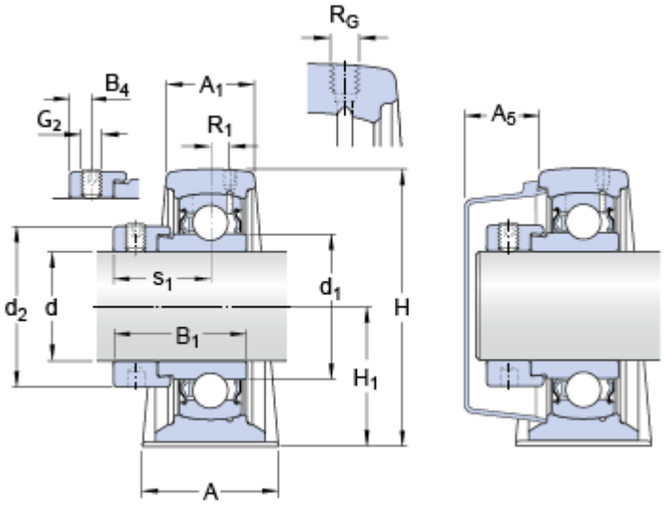
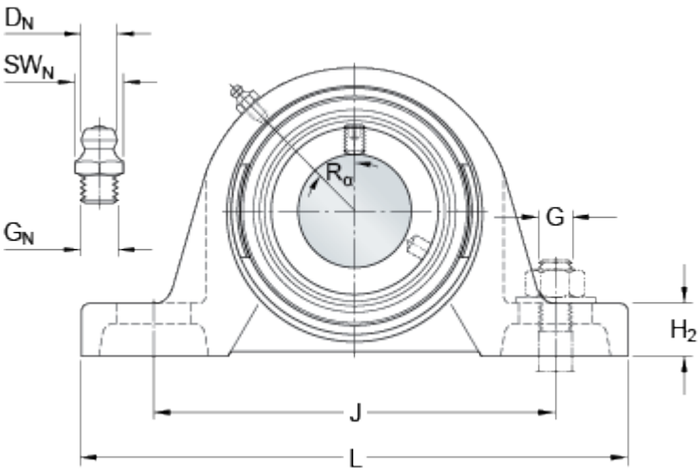
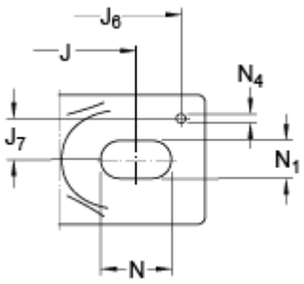
SY 35 FM

Compliance with standard	ISO
Housing material	Cast iron
Sealing solution	Standard seals

Dimensions







d		35	mm
d_1	≈	46.1	mm
d_2		51.1	mm
A		45	mm
A_1		27	mm
A_5		24.5	mm
B_1		38.9	mm
B_4		6.75	mm
H		93	mm
H_1		47.6	mm
H_2		19	mm
J		126	mm
J	max.	133	mm
J	min.	119	mm
L		160	mm
N		21	mm
N_1		14	mm
s_1		29.4	mm

Threaded hole

R_G	1/4-28 UNF	
R_1	3	mm
R_α	45	°

Grease fitting

D_N	6.5	mm
SW_N	7	mm

	G_N	1/4-28 SAE-LT	

Dowel pins

J_6	146	mm
J_7	15.5	mm
N_4	4	mm

Calculation data

Basic dynamic load rating	C	25.5	kN
Basic static load rating	C_0	15.3	kN
Fatigue load limit	P_u	0.655	kN
Limiting speed		5300	r/min
with shaft tolerance h6			

Mass

Mass bearing unit	1.5	kg

Mounting information

Thread grub screw	G_2	M10x1	
Hexagonal key size for grub screw	N	5	mm
Recommended tightening torque for grub screw		16.5	N·m
Recommended diameter for attachment bolts, mm	G	12	mm
Recommended diameter for attachment bolts, inch	G	0.5	in

Included products

Housing	SY 507 M
Bearing	YET 207

Associated products

End cover	ECY 207