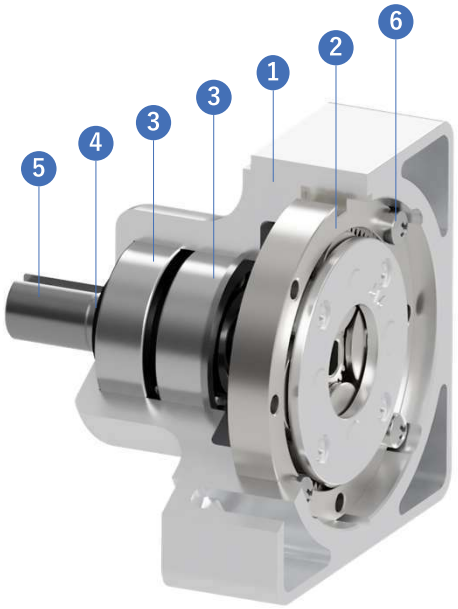
LGH75 Series GEARHEAD TYPE □90 1.8 – 39.2 Nm

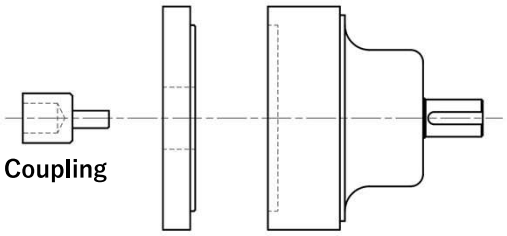
STRUCTURE of GEARHEAD

1. Gear Case
2. Planetary Gear Unit
3. Ball Bearing
4. Oil Sealing
5. Output Shaft
6. Fixing Screw



SETTING TO USE

Please prepare a flange and a coupling to connect to a motor by yourself.



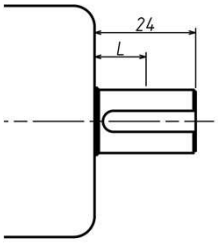
LIFE OF OUTPUT SHAFT BEARING

Please confirm the life of the output shaft bearing in the procedure below, in case radial load is applied to the output shaft of the gearhead.

Equivalent Dynamic Load(N) $P=Fr\cdot\frac{25.5+L}{15}$

BEARING LIFE(h) $L_{10h}=\frac{10^6}{60\cdot N}\left(\frac{9600}{C_f\cdot Fs\cdot P}\right)^3$

P : Equivalent Dynamic Load(N)
F_r : Equivalent Radial Load(N)
L : Radial Load Position(mm)
N : Output Revolution(rpm)
C_f : Drive Coefficient
F_s : Impact Coefficient



Radial Load Position : L

Impact Coefficient F_s

Level of Impact	F_s
almost Zero	1.0
slight Impact	1.0~1.2
with Hard Impact	1.4~1.6

Drive Coefficient C_f

Connection	C_f
Chain	1.00
Gear	1.25
Belt	1.50

LUBRICATION

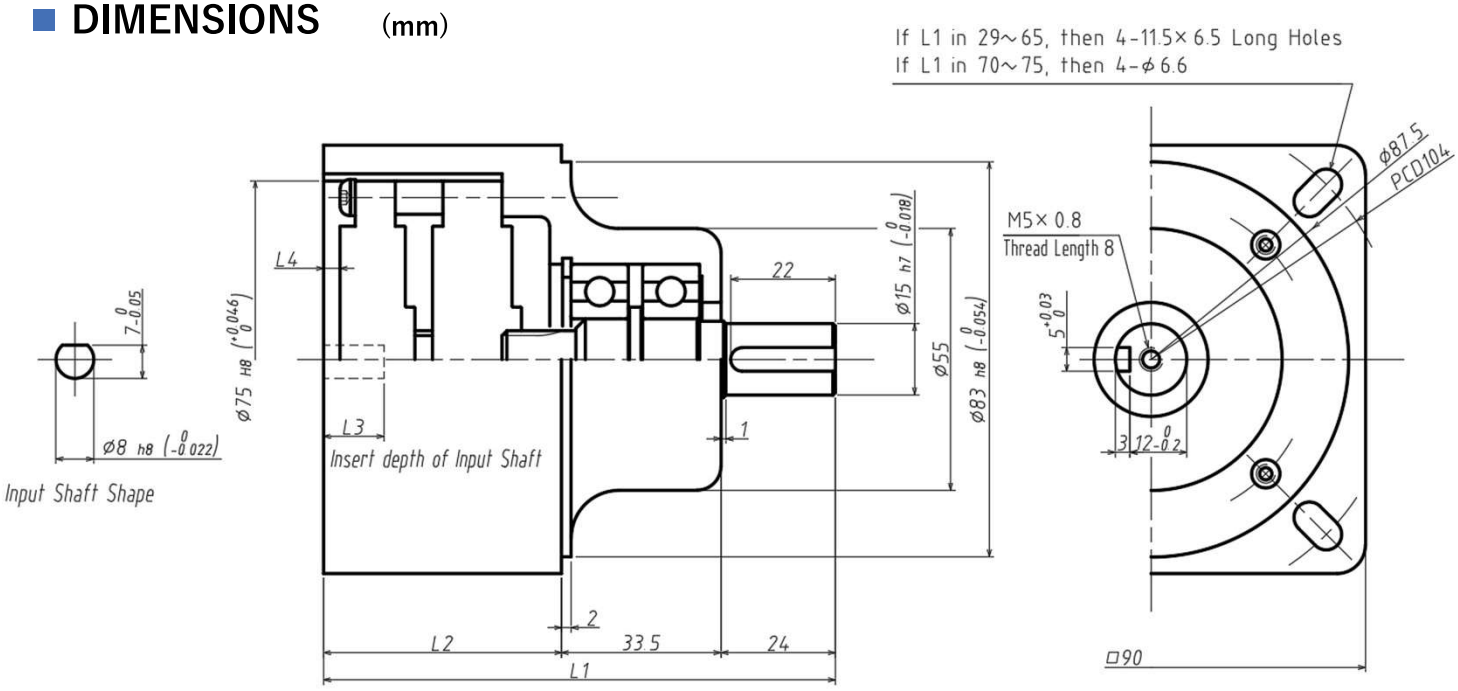
Grease is injected at manufacturing.

LGH75 Series GEARHEAD TYPE □90 1.8 – 39.2 Nm

MODEL NAMING RULE

LGH	75	-	125	SSM8	A	15
Gearhead Type	Gear Outer Diameter		Nominal Speed Ratio	Material · Width of Gear	Input Shape	Diameter of Output Shaft

DIMENSIONS (mm)



* Nominal Speed Ratio will be described in □ .

Model Name	Nominal Speed Ratio	Actual Speed Ratio	Maximum Output Torque(Nm)	Dimension Mark				Weight (kg)
				L1	L2	L3	L4	
LGH75-□PA15	3 4 5	3.1 3.7 4.8	1.8	86.5	29	14	2.5	0.73
LGH75-□SA15			6.4					0.83
LGH75-□MA15		3 4 5	5.9				4.9	0.87
LGH75-□PPA15	9 12 15 16 20 25	9.6 11.5 14.9 13.7 17.8 23	2.9	107.5	50	15	3	1.12
LGH75-□PSA15			8.8					1.22
LGH75-□SSA15			9.8					1.32
LGH75-□SMA15		9.3 12.4 15.5 14.8 18.5 24	16.7			17	5	1.36
LGH75-□SM8A15			27.5					1.51
LGH75-□PPPA15	27 36 45 48 60 64 75 80 100 125	30 35.8 46.4 42.8 55.3 51 71.6 66 85.4 110.5	3.9	127.5	70	14.5	2.7	1.43
LGH75-□PPSA15			10.8					1.53
LGH75-□PSSA15			12.3					1.64
LGH75-□SSMA15		29 34.6 44.7 41.2 53.4 55 69.1 71.2 92.1 115.2	22.6			16.5	4.7	1.78
LGH75-□SSM8A15			39.2	132.5	75	17.5	5.7	2.04