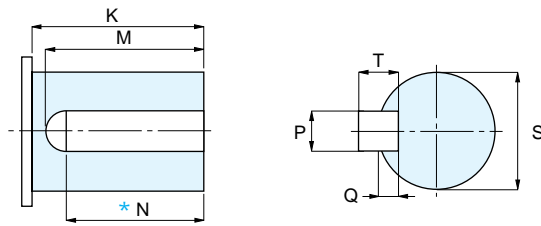


Detailed Dimension Diagram of output shaft for common

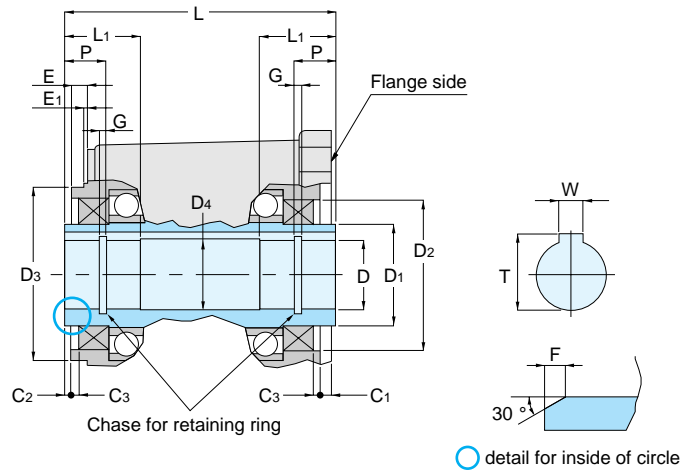


G3 Series
 H2 Series
 F Series FF Type (Solid Shaft)
 F3 Series F2F Type (Concentric Solid Shaft)

Dimension Frame Number	K	M	N	S (h ₈)		Key				
						P (h ₉)		T		Q
18	30	27	24	18	⁰ / _{-0.011}	6	⁰ / _{-0.030}	6	⁰ / _{-0.030}	
22	40	35	32	22	⁰ / _{-0.013}	8	⁰ / _{-0.036}	7	⁰ / _{-0.090}	4
28	45	40	36	28	⁰ / _{-0.016}	10	⁰ / _{-0.043}	8		5
32	55	50	45	32		12		9		5.5
40	65	60	54	40		14				
50	75	70	63	50						

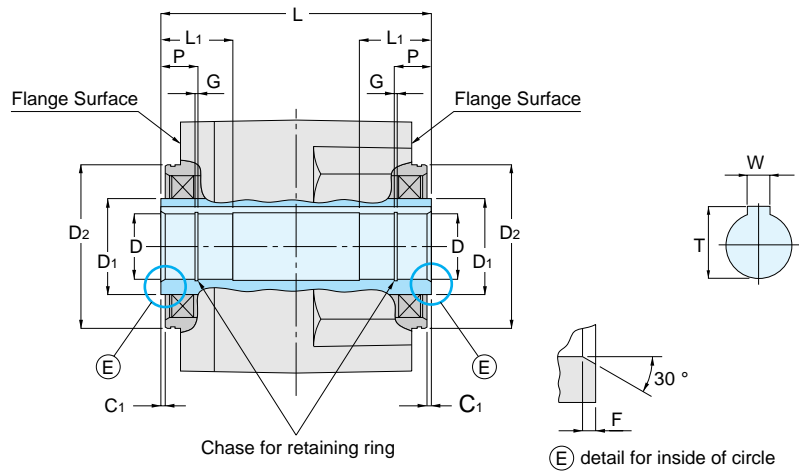
* distance N is the key length for water-resistance type.

FS Type



Frame Number	D (H ₈)	D ₁	D ₂ (H ₈)	D ₃ (h ₈)	D ₄	W	T	L	L ₁	P	C ₁	C ₂	C ₃	E	E ₁	F	G
20	20	29	46	53	21	6	22.8	91	24	13	1	2	3	8	0	2	1.15
25	25	39	58	66	26	8	28.3	108	27	14	6	2	3	6	0	2	1.35
30	30	44	65	75	31	8	33.3	117	33	17	5	2	3	7	0	2	1.35
35	35	49	72	85	36	10	38.3	124	38	20	3	2	3	7	0	2	1.75
45	45	64	85	100	46	14	48.8	140	50	26	3	2	3	6	0	2	1.95
55	55	79	100	120	56	16	59.3	181	61	32	5	2	5	10	2	2	2.20

F3S Type

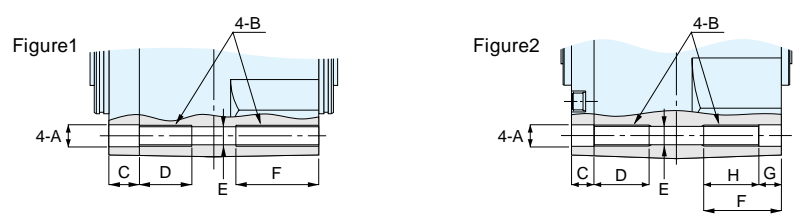


Detailed dimension table for the hollow shaft part

Frame Number	D (H _a)	D ₁	D ₂ (h ₇)	W	T	L	L ₁	P	C ₁	F	G
20	20	29	53	6	22.8	96	24	13	2	2	1.15
25	25	39	66	8	28.3	118	27	14	2	2	1.35
30	30	44	75	8	33.3	124	33	17	2	2	1.35
35	35	49	85	10	38.3	142	38	20	2	2	1.75
45	45	64	100	14	48.8	168	50	26	2	2	1.95
50	50	74	110	14	53.8	172	55	29	2	2	2.20
55	55	79	120	16	59.3	220	61	32	2	2	2.20

* Refer to the "Differences between F2 Sereis and F3 Series" in page E68.

Detailed Drawing for the Tapped Hole for Face Mount (Standard Specification)



Common to Hollow Shaft/Solid Shaft

Frame No.	Reduction Ratio	Capacity	Shape	A	B	C	D	E	F	G	H		
20(18)	1 / 5 ~ 1 / 60	0.1 kW	Figure 1	10.5	M10 × P1.5	12	25	8.6	37				
25(22)	1 / 5 ~ 1 / 60	0.2 kW		10.5	M10 × P1.5	14.5	25	8.6	39.5				
	1 / 80 ~ 1 / 240	0.1 kW		10.5	M10 × P1.5	14.5	25	8.6	39.5				
30(28)	1 / 5 ~ 1 / 60	0.4 kW		10.5	M10 × P1.5	15.5	25	8.6	40.5				
	1 / 80 ~ 1 / 240	0.2 kW		12.5	M12 × P1.75	15.5	30	10.6	45.5				
30	1 / 300 ~ 1 / 375	0.1 kW		12.5	M12 × P1.75	18	30	10.6	48				
35(32)	1 / 5 ~ 1 / 60	0.75kW		Figure 2	16.5	M16 × P2	18	40	14	58			
	1 / 80 ~ 1 / 240	0.4 kW			16.5	M16 × P2	23	40	14	63			
35	1 / 300 ~ 1 / 375	0.2 kW			20.5	M20 × P2.5	23	50	17.5	73			
	1 / 450 ~ 1 / 750	0.1 kW			20.5	M20 × P2.5	23	50	17.5	73			
45(40)	1 / 5 ~ 1 / 60	1.5 kW			Figure 2	16.5	M16 × P2	19	40	14	59	19	40
	1 / 5 ~ 1 / 30	2.2 kW				20.5	M20 × P2.5	21.5	50	17.5	71.5	21.5	50
45	1 / 80 ~ 1 / 240	0.75kW											
	1 / 300 ~ 1 / 375	0.4 kW											
45	1 / 450 ~ 1 / 750	0.2 kW											
	1 / 900 ~ 1 / 1200	0.1 kW											
50	1 / 40 ~ 1 / 60	2.2 kW											
	1 / 80 ~ 1 / 120	2.2 kW											
55	1 / 300	0.75kW											
	1 / 450 ~ 1 / 600	0.4 kW											
	1 / 900 ~ 1 / 1200	0.2 kW											
	1 / 1500	0.1 kW											

* Values in the parenthesis in the "Frame Number" are that for F3F.
 The necessary holding part of the bolt is recommended to be twice as much as the nominal designation(bolt diameter) of the screw.
 (Example: In case of M10, over 20mm is recommended.)

Parallel Shaft (Performance Table/Dimension)

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Gearmotor with Clutch/Brake

Reducer (Double Shaft)

S-Type Reducer

Right Angle Shaft (Performance Table/Dimension)

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Reduce (Double Shaft)

S-Type Reducer

Hollow Shaft Solid Shaft Performance Table/Dimension

Gearmotor with Brake

Water-Resistant, Outdoor Gearmotor with Brake

Reduce (Parallel Shaft)

S-Type Reducer

Technical Information

Standard Motors

Cautions for Safety

Option

GT-STEP Index Gearmotor

KOMPASS Gearbox