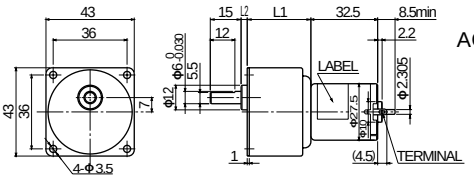
AG

TG-47A
TG-47B
TG-47C



AG

GEAR RATIO	L1 (mm)	L2 (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	26	0.5	2	1	140
1/12.5~1/30	26	3	3	2	145
1/36~1/100	26	5.5	4	3	150
1/120~1/300	31	3	5	6	155
1/360~1/1000	31	5.5	6	6	160
1/1200~1/3000	31	8	7	6	165

Allowable torque-speed characteristics

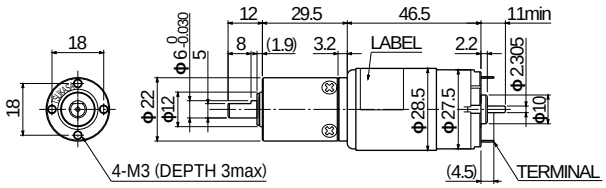
MODEL		GEAR RATIO	1/5	1/10	1/12.5	1/15	1/18	1/25	1/30	1/36	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200	1/250	1/300	1/500	1/750	1/1000	1/1500
TG-47A-AG (24V)	SPEED(rpm)		843	451	365	286	244	174	143	120	85.7	71.7	57	47.4	42.2	35.2	28.3	23.7	21.7	17.3	14.1	8.5	5.9	4.6	3.1
	TORQUE	(kg-cm)	0.08	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.7	0.9	1.1	1.3	1.4	1.7	2	2	2.5	3.5	5	6	6	6
		(mN-m)	7.84	9.8	9.8	19.6	19.6	29.4	39.2	39.2	58.8	68.6	88.2	107.8	127.4	137.2	166.6	196	196	245	343	490	588	588	588
TG-47B-AG (24V)	SPEED(rpm)		1346	673	547	443	378	266	222	182	133	110	88	73.2	65.8	55.1	44.1	36.7	32.8	26.6	22	13.7	9.5	7.3	4.9
	TORQUE	(kg-cm)	0.1	0.2	0.2	0.3	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.7	1.9	2	2.5	3	3.5	4	5	6	6	6	6
		(mN-m)	9.8	19.6	19.6	29.4	29.4	49	58.8	68.6	88.2	107.8	137.2	166.6	186.2	196	245	294	343	392	490	588	588	588	588
TG-47C-AG (24V)	SPEED(rpm)		1862	874	715	586	483	348	293	242	173	145	116	99	87.1	73.7	57.7	48.6	43.6	35	29.7	18.8	13	9.9	6.7
	TORQUE	(kg-cm)	0.1	0.3	0.3	0.4	0.5	0.7	0.8	0.9	1.3	1.5	1.9	2	2.5	2.5	3.5	4	4.5	5.5	6	6	6	6	6
		(mN-m)	9.8	29.4	29.4	39.2	49	68.6	78.4	88.2	127.4	147	186.2	196	245	245	343	392	441	539	588	588	588	588	588
TG-47C-AG (12V)	SPEED(rpm)		860	462	374	292	250	178	146	123	87.5	73.3	58.3	48.4	43.1	35.9	28.9	24.2	22.2	17.7	14.4	8.7	6	4.7	3.2
	TORQUE	(kg-cm)	0.08	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.7	0.9	1.1	1.3	1.4	1.7	2	2	2.5	3.5	5	6	6	6
		(mN-m)	7.84	9.8	9.8	19.6	19.6	29.4	39.2	39.2	58.8	68.6	88.2	107.8	127.4	137.2	166.6	196	196	245	343	490	588	588	588

TG-70

(3.1W) φ28, 7 SLOTS,
LOW NOISE , COMPACT SIZE.

FU

TG-70A



FU

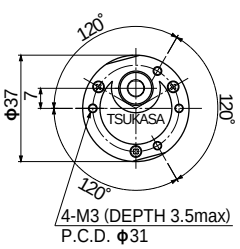
GEAR RATIO	L (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/4~1/4.7	19.5	1	0.5	141
1/16~1/23	24.5	2	1	149
1/64~1/107	29.5	3	2	157
1/256~1/509	34.5	4	3	166

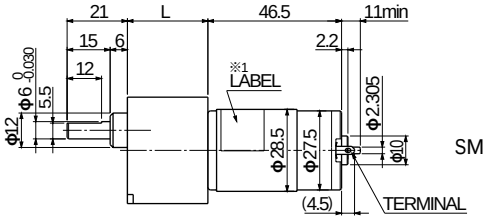
Allowable torque-speed characteristics

MODEL		GEAR RATIO	1/4	1/4.7	1/16	1/19	1/23	1/64	1/76	1/90	1/107	1/256	1/304	1/361	1/429	1/509
TG-70A-FU (24V)	SPEED(rpm)		1249	1089	313	265	218	80.4	69	59.2	50.4	21.5	18.2	15.4	13	11
	TORQUE	(kg-cm)	0.2	0.2	0.7	0.8	1	2	2	2	2	3	3	3	3	3
		(mN-m)	19.6	19.6	68.6	78.4	98	196	196	196	196	294	294	294	294	294

SG/SM

TG-70A





SG

GEAR RATIO	L (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	20.5	2	1	200
1/12.5~1/30	23	3	2	205
1/36~1/100	25.5	4	3	210
1/120~1/300	28	5	6	215
1/360~1/1000	30.5	6	6	220
1/1200~1/3000	33	7	6	225

SM

GEAR RATIO	L (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	23	2	1	200
1/12.5~1/30	25.5	3	2	205
1/36~1/100	28	4	3	210
1/120~1/300	30.5	5	6	215
1/360~1/1000	33	6	6	220

Allowable torque-speed characteristics

MODEL		GEAR RATIO	1/5	1/10	1/12.5	1/15	1/18	1/25	1/30	1/36	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200	1/250	1/300	1/500	1/750	1/1000	1/1500
TG-70A-SG (24V)	SPEED(rpm)		1018	511	403	335	281	201	165	138	99.7	84.7	67.7	56.5	51.5	41.7	33.4	27.8	25.4	20.9	17.7	10.9	7.4	5.6	3.7
	TORQUE	(kg-cm)	0.2	0.4	0.5	0.6	0.7	1	1.3	1.4	1.9	2	2.5	3	3	4	5	6	6	6	6	6	6	6	6
		(mN-m)	19.6	39.2	49	58.8	68.6	98	127.4	137.2	186.2	196	245	294	294	392	490	588	588	588	588	588	588	588	588
TG-70A-SM (24V)	SPEED(rpm)		1018	511	403	335	281	201	165	138	99.7	84.7	67.7	56.5	51.5	41.7	33.4	27.8	25.4	20.9	17.7	10.9	7.4	5.6	—
	TORQUE	(kg-cm)	0.2	0.4	0.5	0.6	0.7	1	1.3	1.4	1.9	2	2.5	3	3	4	5	6	6	6	6	6	6	6	—
		(mN-m)	19.6	39.2	49	58.8	68.6	98	127.4	137.2	186.2	196	245	294	294	392	490	588	588	588	588	588	588	588	—