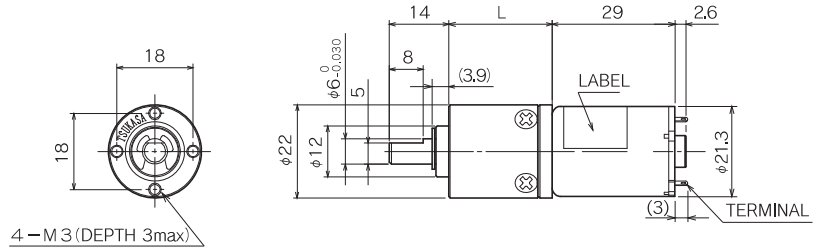


FU

TG-01F
TG-01G
TG-01H



Allowable torque-speed characteristics

FU

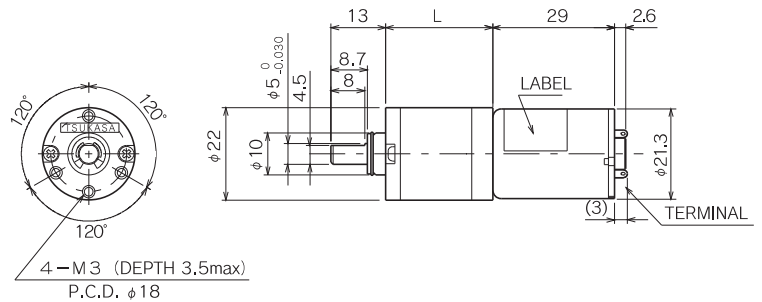
MODEL	GEAR RATIO	FU													
		1/4	1/4.7	1/16	1/19	1/23	1/64	1/76	1/90	1/107	1/256	1/304	1/361	1/429	1/509
TG-01F-FU (24V)	SPEED (r/min)	1026	855	258	220	187	63.7	53.4	44.9	37.9	15.8	13.3	11.3	9.5	8
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	39.2	49	58.8	68.6	147	176.4	196	245	294
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.4	0.5	0.6	0.7	1.5	1.8	2	2.5	3
TG-01G-FU (24V)	SPEED (r/min)	1919	1604	481	409	347	119	100	84.3	71.1	29.7	25	21.2	17.8	14.9
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	39.2	49	58.8	68.6	147	176.4	196	245	294
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.4	0.5	0.6	0.7	1.5	1.8	2	2.5	3
TG-01H-FU (12V)	SPEED (r/min)	1924	1608	482	410	348	120	100	84.5	71.3	29.8	25.1	21.2	17.8	15
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	39.2	49	58.8	68.6	147	176	196	245	294
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.4	0.5	0.6	0.7	1.5	1.8	2	2.5	3

FU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/4 ~ 1/4.7	19.5	1	49	0.5	41
1/16 ~ 1/23	24.5	2	98	1	49
1/64 ~ 1/107	29.5	3	196	2	57
1/256 ~ 1/509	34.5	4	294	3	66

RU

TG-01F
TG-01G
TG-01H



Allowable torque-speed characteristics

RU

MODEL	GEAR RATIO	RU													
		1/3.7	1/5	1/13.4	1/18.3	1/25	1/49.3	1/67.2	1/91.7	1/125	1/181	1/246	1/336	1/458	1/625
TG-01F-RU (24V)	SPEED (r/min)	1108	815	301	227	170	82.6	60.9	44.1	33.2	23.3	17.4	12.9	9.5	7
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	29.4	39.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TG-01G-RU (24V)	SPEED (r/min)	2079	1528	566	423	314	155	114	82.9	62	43.3	32.1	23.7	17.5	12.9
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	29.4	39.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TG-01H-RU (12V)	SPEED (r/min)	2084	1532	567	424	315	155	114	83.1	62.1	43.4	32.2	23.8	17.5	12.9
	TORQUE (mN·m)	2.94	3.92	9.8	9.8	9.8	29.4	39.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	TORQUE (kgf·cm)	0.03	0.04	0.1	0.1	0.1	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6

RU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/3.7 ~ 1/5	15.5	1	29.4	0.3	24
1/13.4 ~ 1/25	20.5	2	58.8	0.6	27
1/49.3 ~ 1/125	25.5	3	58.8	0.6	30
1/181 ~ 1/625	30.5	4	58.8	0.6	33

TG-201

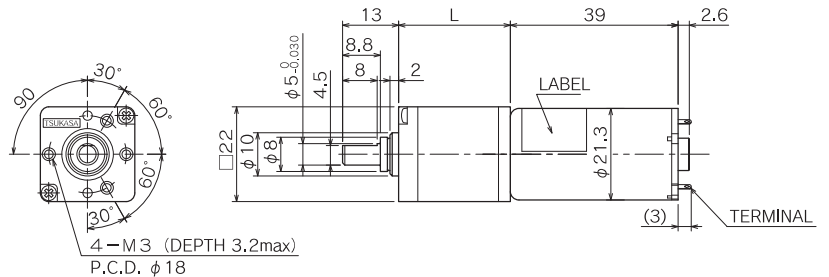
(1.1 ~ 2.0W) $\phi 21.3$, HIGH POWER, COMPACT DESIGN, SLIM TYPE.

APPLICATION

ATM / MONEY COUNTING MACHINE / CARD READER / PRINTER / BLINDS / SECURITY CAMERA / CASSETTE LOADING etc.

EU

TG-201A
TG-201B



Allowable torque-speed characteristics

EU

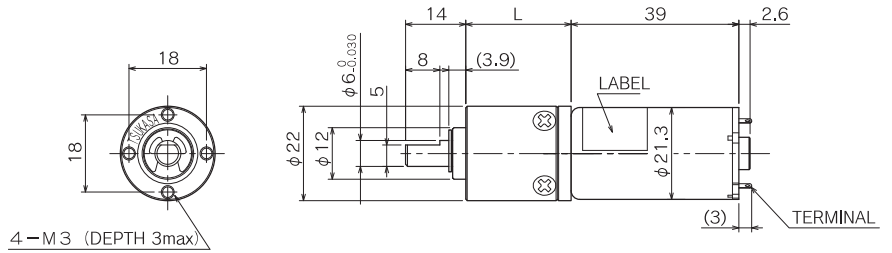
MODEL	GEAR RATIO	EU									
		1/12.1	1/17.6	1/20.6	1/25.5	1/42.1	1/61.2	1/71.7	1/88.7	1/104	1/129
TG-201A-EU (24V)	SPEED (r/min)	358	246	205	165	101	69.7	59.3	47.8	41.9	34.8
	TORQUE (mN·m)	19.6	29.4	39.2	49	68.6	98	117.6	147	147	147
	TORQUE (kgf·cm)	0.2	0.3	0.4	0.5	0.7	1	1.2	1.5	1.5	1.5
TG-201B-EU (24V)	SPEED (r/min)	541	359	313	246	151	103	87.5	72.7	63.2	52
	TORQUE (mN·m)	19.6	39.2	39.2	68.8	78.4	117.6	147	147	147	147
	TORQUE (kgf·cm)	0.2	0.4	0.4	0.6	0.8	1.2	1.5	1.5	1.5	1.5

EU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/12.1 ~ 1/25.5	21	2	98	1	34
1/42.1 ~ 1/129	26	3	147	1.5	36

FU

TG-201A
TG-201B



Allowable torque-speed characteristics

FU

MODEL	GEAR RATIO	1													
		4	4.7	16	19	23	64	76	90	107	256	304	361	429	509
TG-201A-FU (24V)	SPEED (r/min)	1072	895	265	230	190	66.9	56.2	46.9	39.4	17.2	14.8	12.7	10.8	9.2
	TORQUE (mN·m)	7.84	9.8	29.4	29.4	39.2	98	117.6	147	176.4	294	294	294	294	294
TG-201B-FU (24V)	TORQUE (kgf·cm)	0.08	0.1	0.3	0.3	0.4	1	1.2	1.5	1.8	3	3	3	3	3
	SPEED (r/min)	1581	1362	404	335	280	98.1	83	69.8	59.3	25.8	22.1	18.8	16	13.6
	TORQUE (mN·m)	9.8	9.8	29.4	39.2	49	127.4	147	176.4	196	294	294	294	294	294
	TORQUE (kgf·cm)	0.1	0.1	0.3	0.4	0.5	1.3	1.5	1.8	2	3	3	3	3	3

FU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/4 ~ 1/4.7	19.5	1	49	0.5	41
1/16 ~ 1/23	24.5	2	98	1	49
1/64 ~ 1/107	29.5	3	196	2	57
1/256 ~ 1/509	34.5	4	294	3	66

TG-47

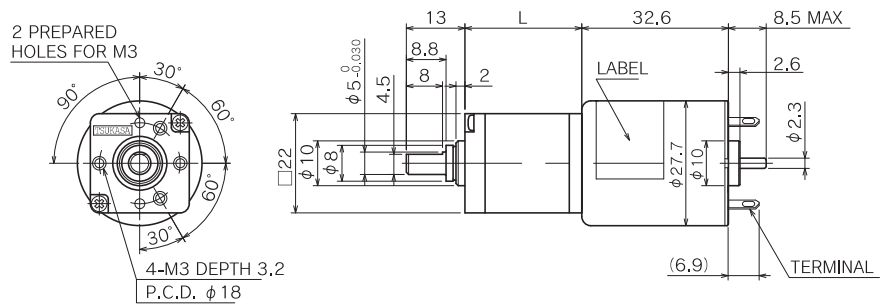
(0.9 ~ 3.6W) 5-SLOT, BESTSELLER, ENCODER CAN BE MOUNTED.

APPLICATION

ATM / MONEY COUNTING MACHINE / CARD READER / PRINTER / BLINDS / SECURITY CAMERA / CASSETTE LOADING / MEDICAL EQUIPMENT etc.

EU

TG-47E
TG-47F
TG-47G



Allowable torque-speed characteristics

EU

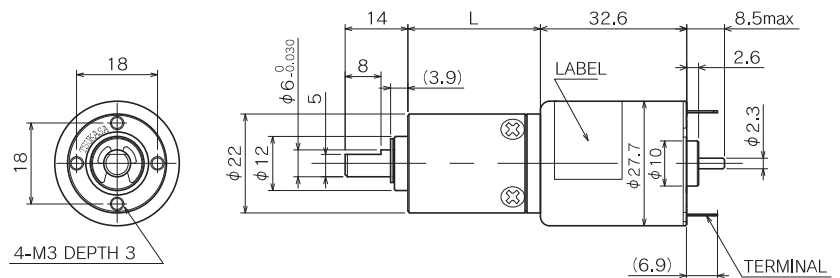
MODEL	GEAR RATIO	1										
		12.1	17.6	20.6	25.5	42.1	61.2	71.7	88.7	104	129	
TG-47E-EU (24V)	SPEED (r/min)	380	256	212	170	105	71.4	60.4	49	41.9	34.4	
	TORQUE (mN·m)	9.8	19.6	29.4	39.2	49	78.4	98	117.6	137.2	147	
TG-47F-EU (24V)	TORQUE (kgf·cm)	0.1	0.2	0.3	0.4	0.5	0.8	1	1.2	1.4	1.5	
	SPEED (r/min)	569	376	328	258	158	108	91.6	76.3	66.4	54.7	
TG-47G-EU (12V)	TORQUE (mN·m)	19.6	39.2	39.2	58.8	78.4	117.6	147	147	147	147	
	TORQUE (kgf·cm)	0.2	0.4	0.4	0.6	0.8	1.2	1.5	1.5	1.5	1.5	
TG-47G-EU (12V)	SPEED (r/min)	382	257	214	171	105	71.8	60.8	49.3	42.1	34.6	
	TORQUE (mN·m)	9.8	19.6	29.4	39.2	49	78.4	98	117.6	137.2	147	
	TORQUE (kgf·cm)	0.1	0.2	0.3	0.4	0.5	0.8	1	1.2	1.4	1.5	

EU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/12.1 ~ 1/25.5	21	2	98	1	34
1/42.1 ~ 1/129	26	3	147	1.5	36

FU

TG-47E
TG-47F
TG-47G



Allowable torque-speed characteristics

FU

MODEL	GEAR RATIO	1													
		4	4.7	16	19	23	64	76	90	107	256	304	361	429	509
TG-47E-FU (24V)	SPEED (r/min)	1084	917	278	238	196	68.4	57.3	48.2	40.6	17	14.6	12.5	10.7	9.1
	TORQUE (mN·m)	6.86	7.84	19.6	19.6	29.4	78.4	98	117.6	137.2	294	294	294	294	294
TG-47F-FU (24V)	TORQUE (kgf·cm)	0.07	0.08	0.2	0.2	0.3	0.8	1	1.2	1.4	3	3	3	3	3
	SPEED (r/min)	1656	1429	424	351	293	103	86.9	73	62.2	27.1	23.2	19.8	16.9	14.4
TG-47G-FU (24V)	TORQUE (mN·m)	9.8	9.8	29.4	39.2	49	127.4	147	176.4	196	294	294	294	294	294
	TORQUE (kgf·cm)	0.1	0.1	0.3	0.4	0.5	1.3	1.5	1.8	2	3	3	3	3	3
TG-47G-FU (24V)	SPEED (r/min)	2267	1937	559	468	394	137	115	99.1	84.9	36.5	31	26.3	22.3	18.9
	TORQUE (mN·m)	9.8	9.8	39.2	49	58.8	166.6	196	196	196	294	294	294	294	294
TG-47G-FU (12V)	TORQUE (kgf·cm)	0.1	0.1	0.4	0.5	0.6	1.7	2	2	2	3	3	3	3	3
	SPEED (r/min)	1091	923	280	239	197	68.9	57.6	48.5	40.9	17.1	14.7	12.6	10.7	9.1
	TORQUE (mN·m)	6.86	7.84	19.6	19.6	29.4	78.4	98	117.6	137.2	294	294	294	294	294
	TORQUE (kgf·cm)	0.07	0.08	0.2	0.2	0.3	0.8	1	1.2	1.4	3	3	3	3	3

FU

GEAR RATIO	L (mm)	STAGE	TORQUE		WEIGHT (g)
			(mN·m)	(kgf·cm)	
1/4 ~ 1/4.7	19.5	1	49	0.5	41
1/16 ~ 1/23	24.5	2	98	1	49
1/64 ~ 1/107	29.5	3	196	2	57
1/256 ~ 1/509	34.5	4	294	3	66