

# ED2.8

## ED2.8 Dimensions

(Unit : mm)

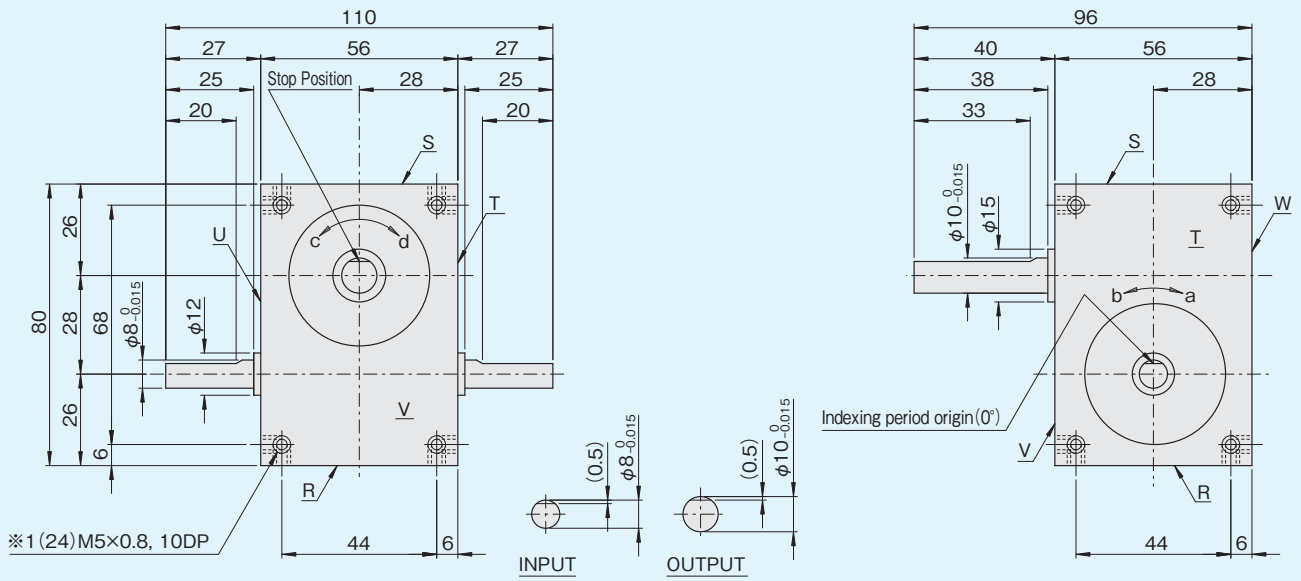
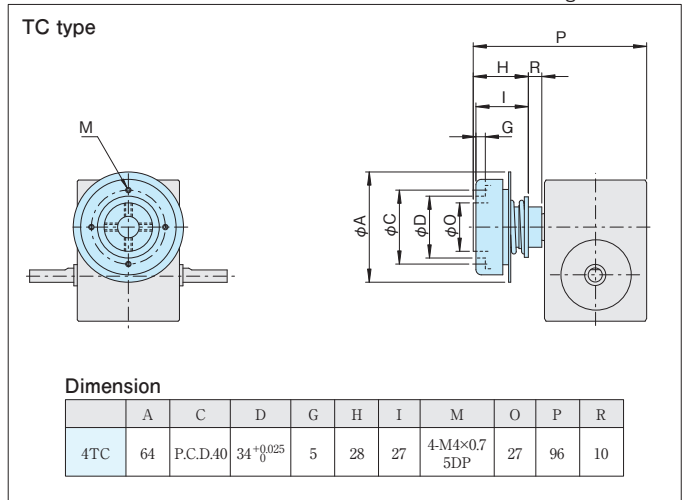
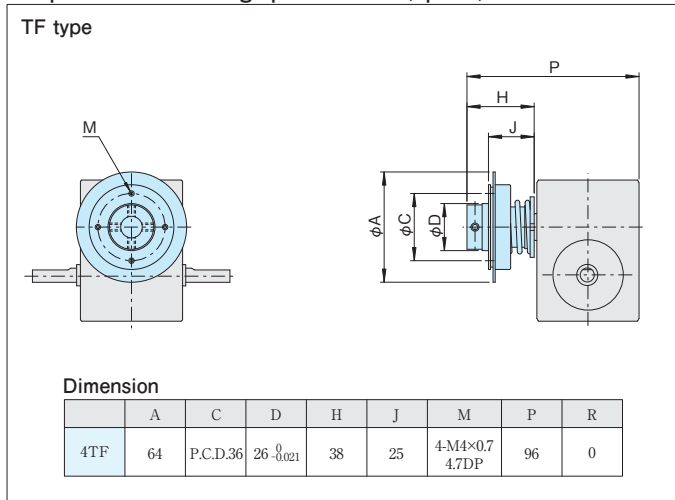


Figure ED2.8-1

※1: Mounting holes on sides R, S, V, and W are standard. Mounting holes on only a user-specified side is optional.

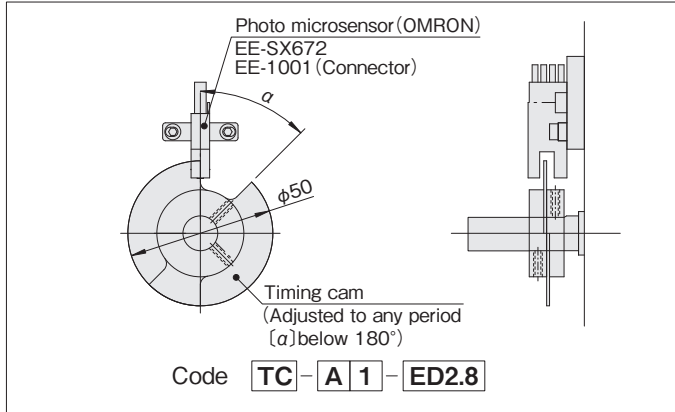
Torque limiter mounting specifications (option)

Figure ED2.8-2



Timing cam-Photo switch (option)

Figure ED2.8-3



# ED3.8/ED3.8G

## ED3.8 Dimensions

(Unit : mm)

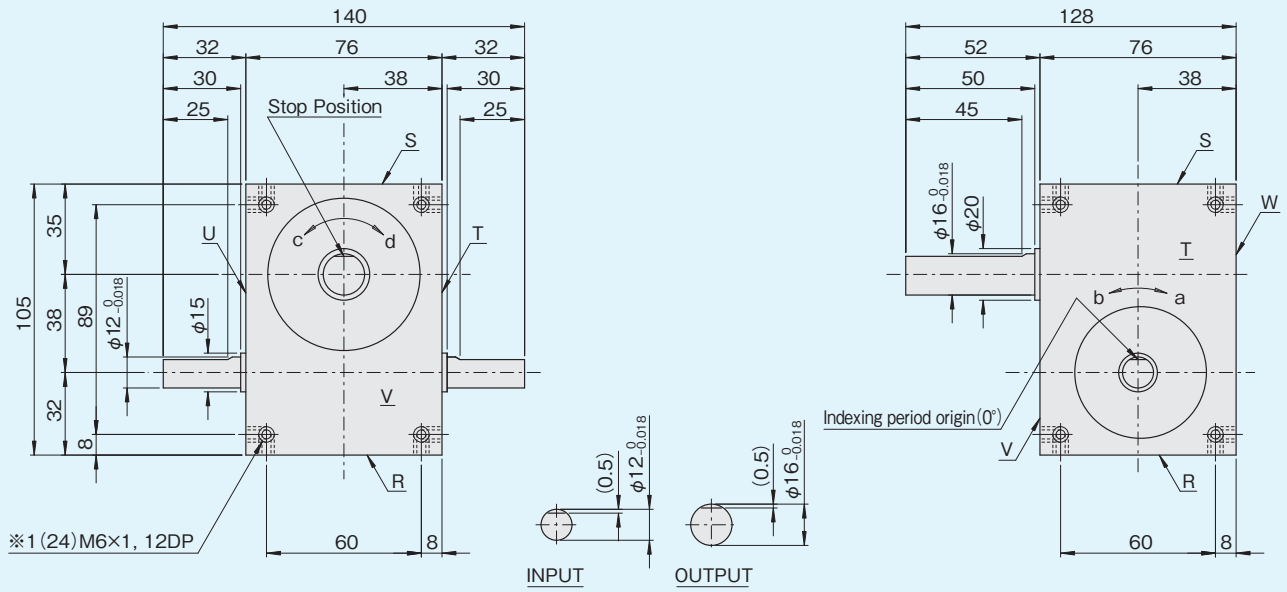
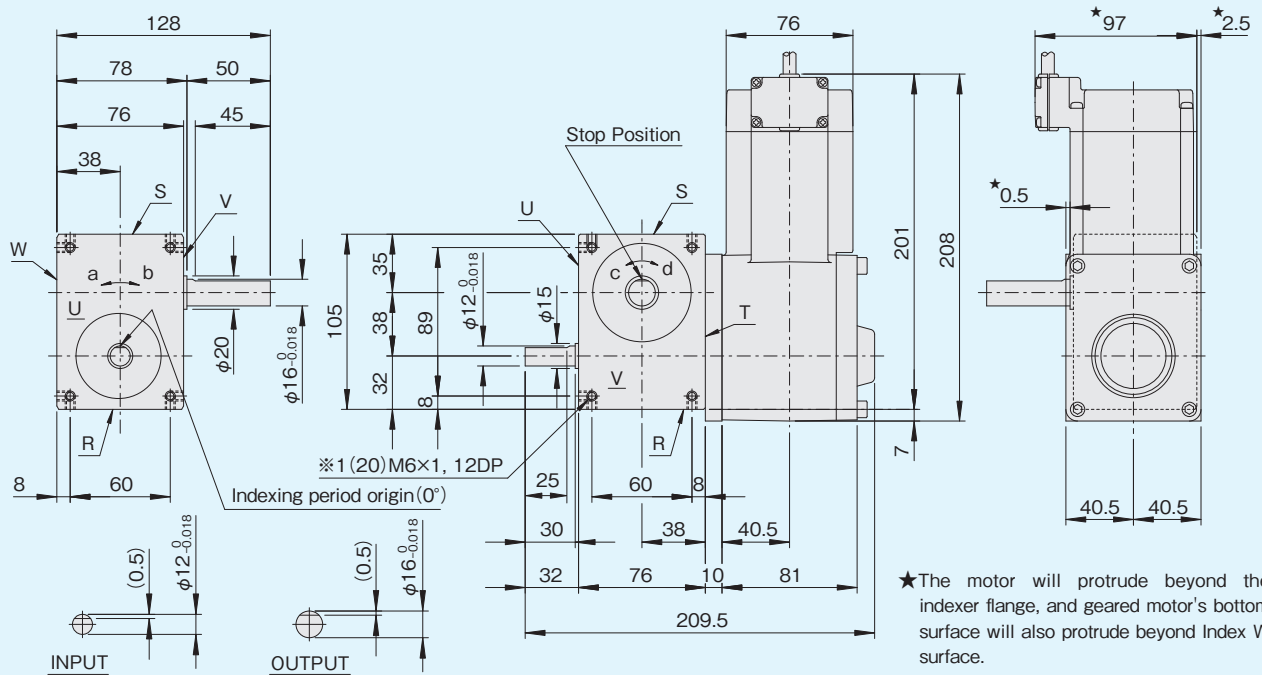


Figure ED3.8-1

※1: Mounting holes on sides R, S, V, and W are standard. Mounting holes on only a user-specified side is optional.

## ED3.8G Dimensions



★The motor will protrude beyond the indexer flange, and geared motor's bottom surface will also protrude beyond Index W surface.

Figure ED3.8-2

※1: Mounting holes on sides R, S, V, and W are standard. Mounting holes on only a user-specified side is optional.

Specifications of geared motor

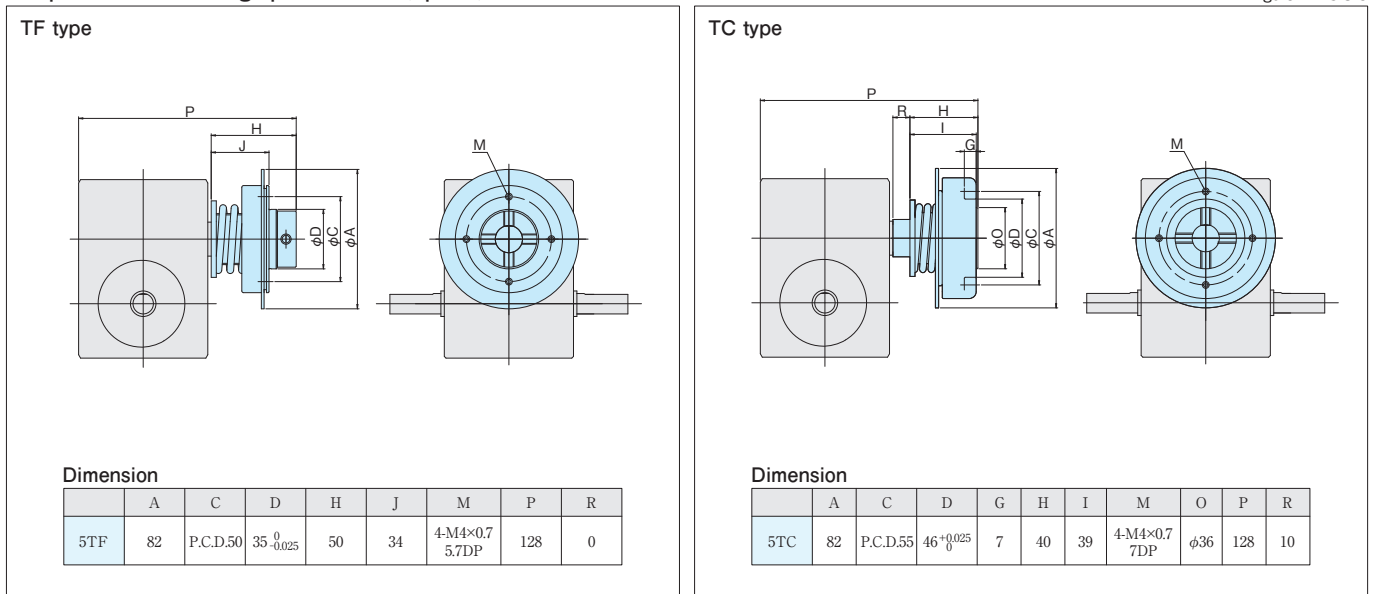
Table ED3.8-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed N <sub>M</sub> (rpm)		Output Allowable Torque T <sub>R</sub> (N·m)		Moment of inertia J <sub>M</sub> (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
GM25-10AS-ED3.8G-R	25	200	10	150	180	1.08		0.6×10 <sup>-4</sup>	3.5
GM25-15AS-ED3.8G-R			15	100	120	1.67			
GM25-20AS-ED3.8G-R			20	75	90	2.25			
GM25-25AS-ED3.8G-R			25	60	72	2.74			
GM25-30AS-ED3.8G-R			30	50	60	3.33			
GM25-40AS-ED3.8G-R			40	37.5	45	4.41			
GM25-50AS-ED3.8G-R			50	30	36	5.49			
GM25-60AS-ED3.8G-R			60	25	30	6.66			

※ A waterproof motor is standard for model ED3.8G.

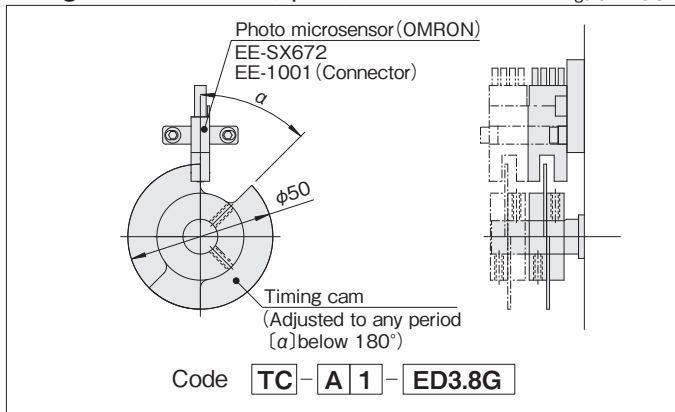
Torque limiter mounting specifications (option)

Figure ED3.8-3



Timing cam-Photo switch (option)

Figure ED3.8-4



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.

# ED4.5/ED4.5G

## ED4.5 Dimensions

(Unit : mm)

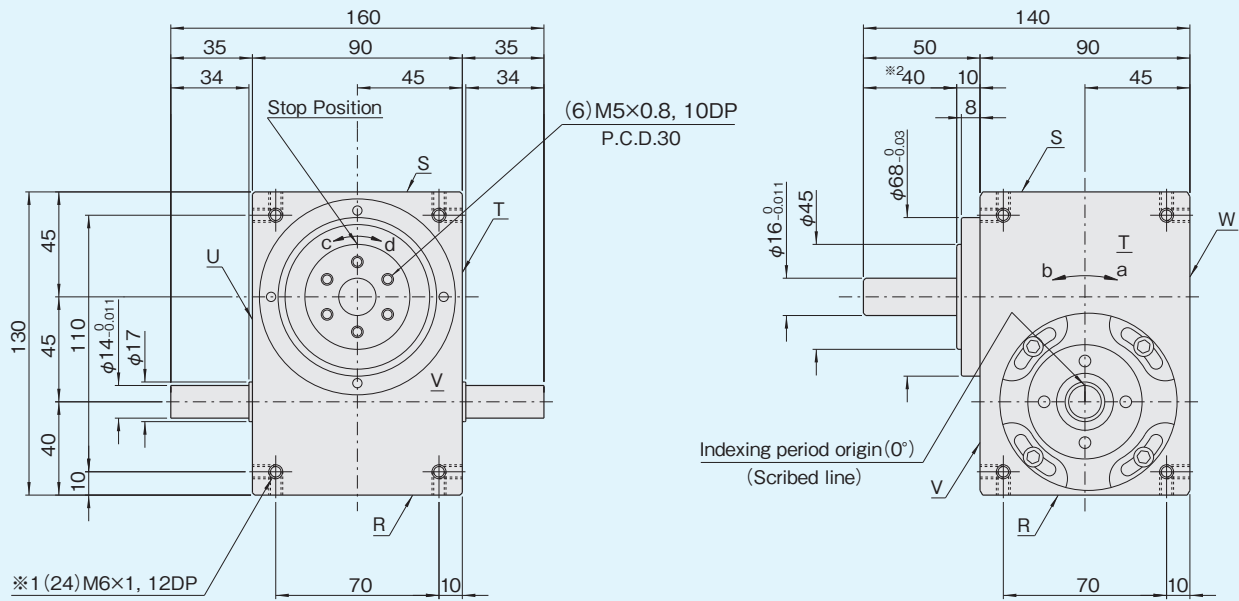
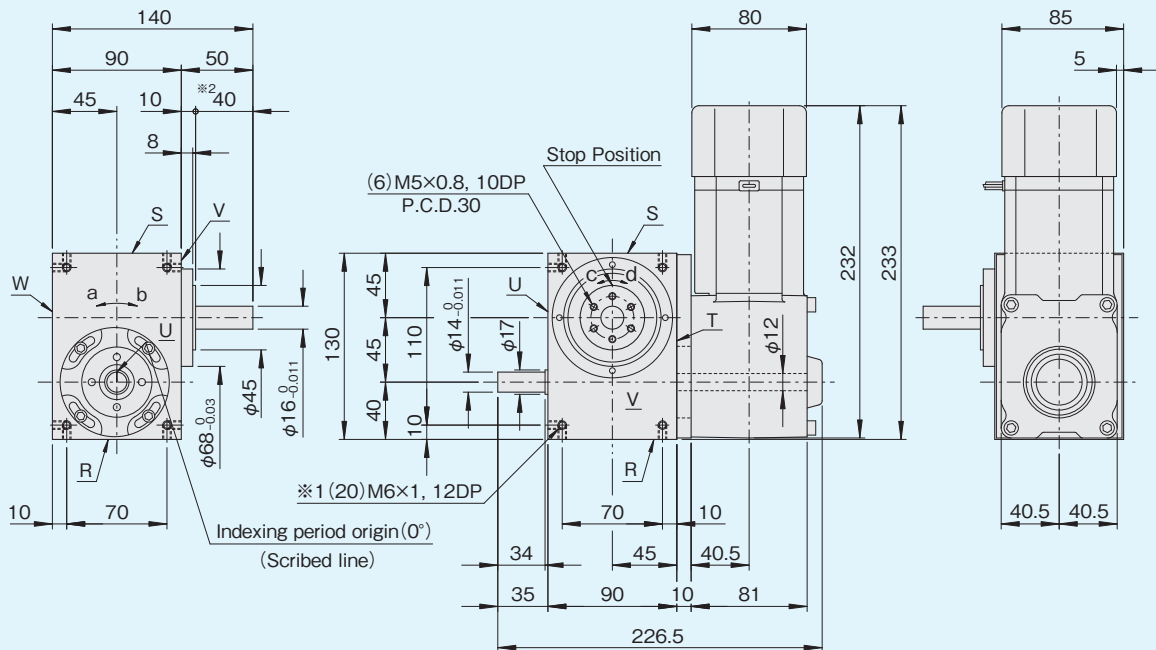


Figure ED4.5-1

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

## ED4.5G Dimensions



※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

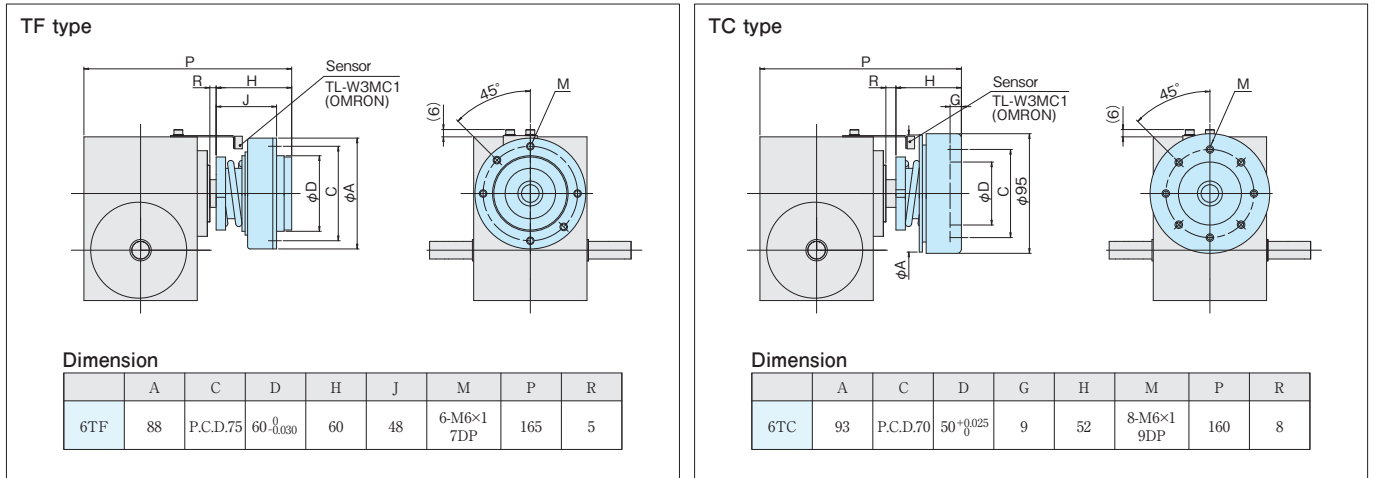
Specifications of geared motor

Table ED4.5-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed N <sub>M</sub> (rpm)		Output Allowable Torque T <sub>R</sub> (N·m)		Moment of inertia J <sub>M</sub> (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
GM60-10AS-ED4.5G	60	200	10	150	180	2.74		0.8×10 <sup>-4</sup>	3
GM60-15AS-ED4.5G			15	100	120	4.12			
GM60-20AS-ED4.5G			20	75	90	5.49			
GM60-25AS-ED4.5G			25	60	72	6.96			
GM60-30AS-ED4.5G			30	50	60	8.33			
GM60-40AS-ED4.5G			40	37.5	45	10.8			
GM60-50AS-ED4.5G			50	30	36	13.7			
GM60-60AS-ED4.5G			60	25	30	16.7			

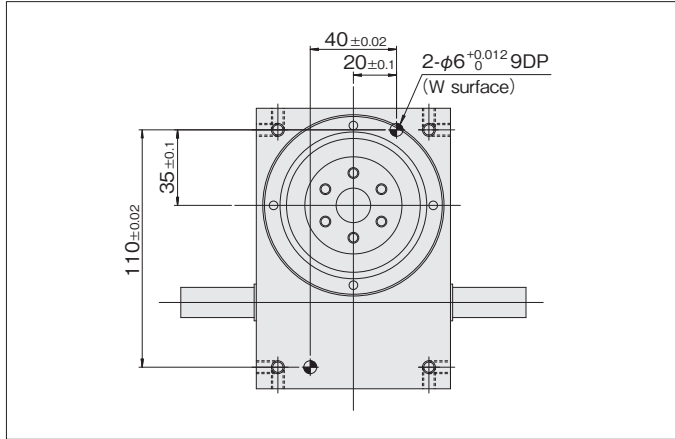
Torque limiter mounting specifications (option)

Figure ED4.5-3



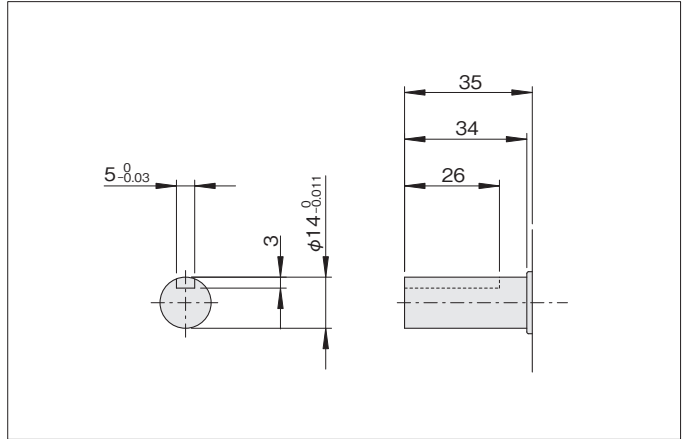
Reamed hole (option)

Figure ED4.5-4



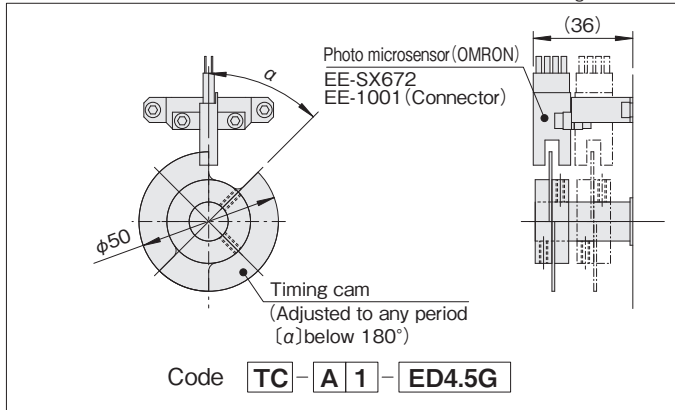
Input shaft with key-way (option)

Figure ED4.5-5



Timing cam-Photo switch (option)

Figure ED4.5-6



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.

# ED6/ED6G

## ED6 Dimensions

(Unit : mm)

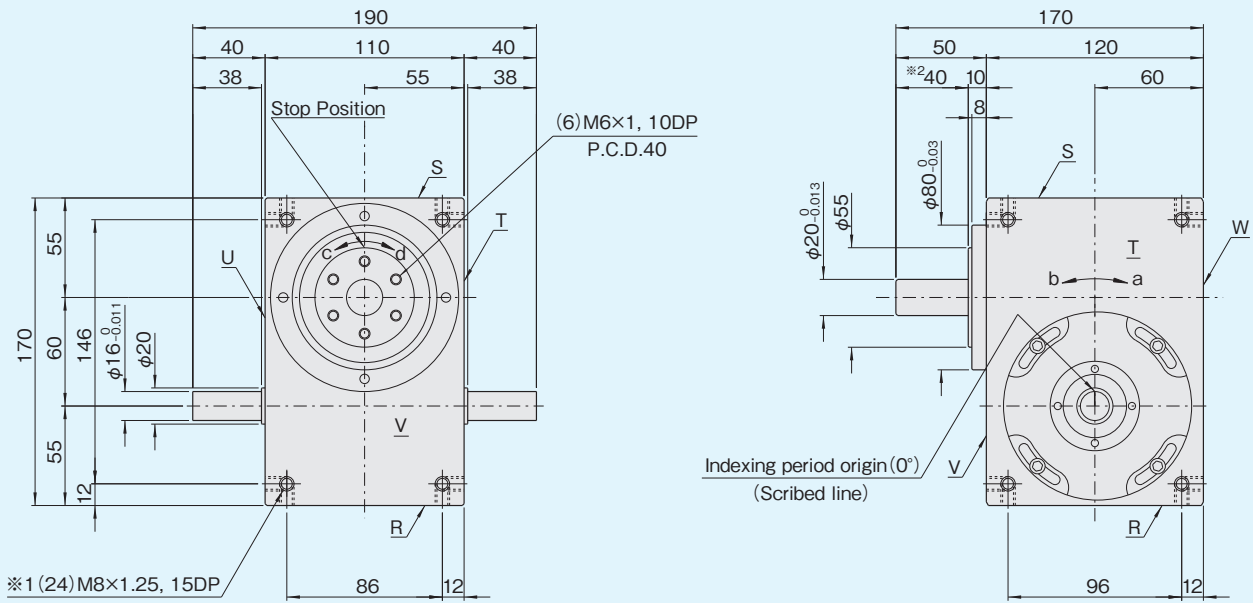


Figure ED6-1

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

## ED6G Dimensions

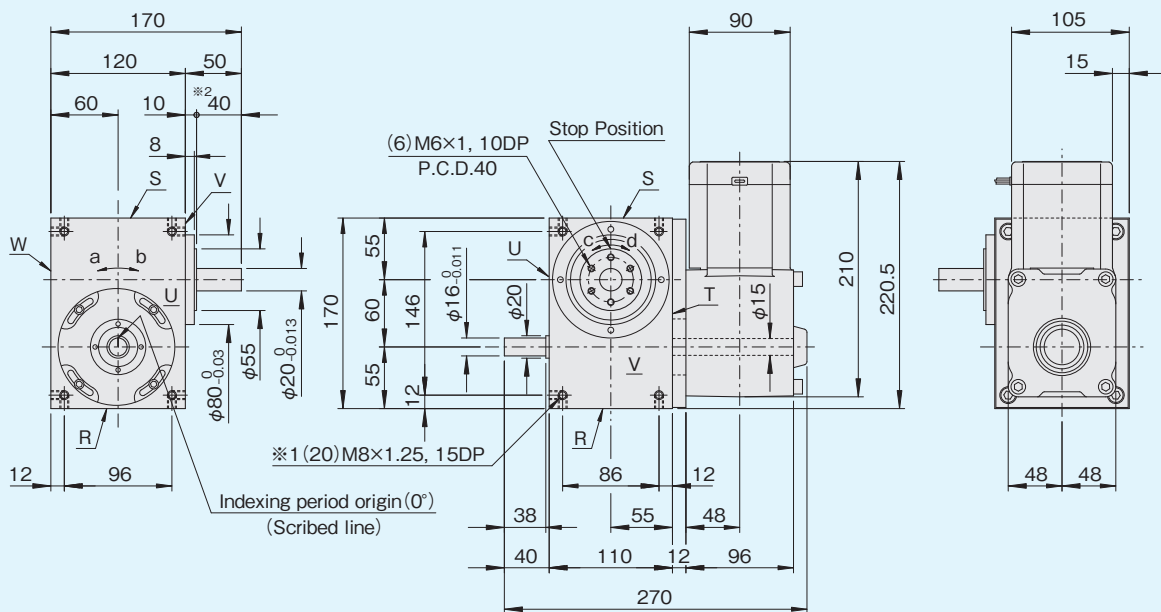


Figure ED6-2

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

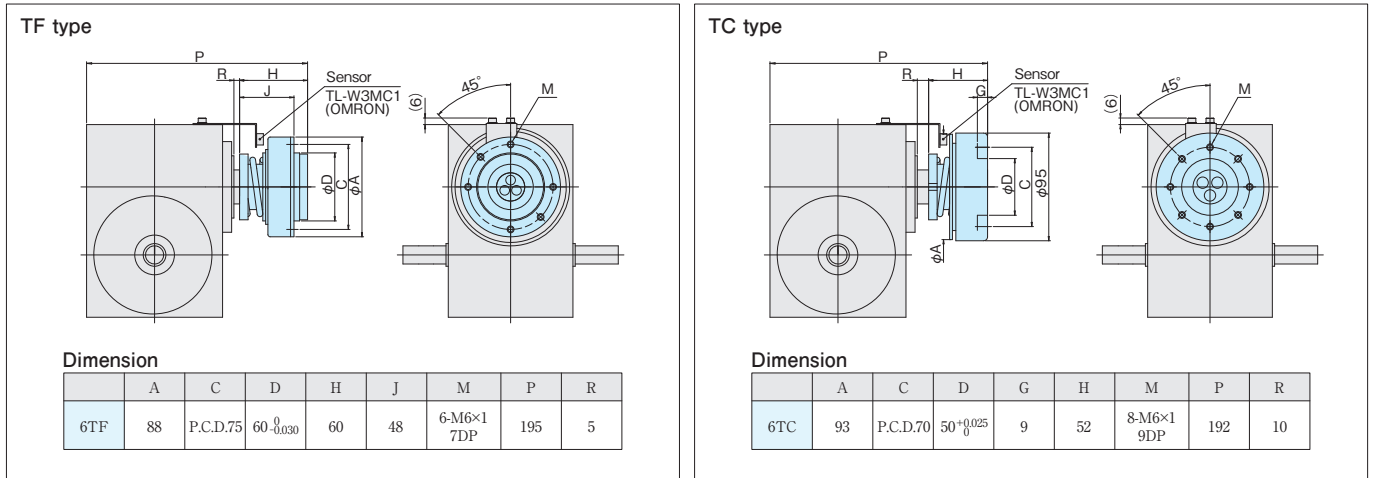
Specifications of geared motor

Table ED6-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed $N_M$ (rpm)		Output Allowable Torque $T_R$ (N·m)		Moment of inertia $J_M$ (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
GM90-10AS-ED6G	90	200	10	150	180	4.12		$1.2 \times 10^{-4}$	4
GM90-15AS-ED6G			15	100	120	6.17			
GM90-20AS-ED6G			20	75	90	8.33			
GM90-25AS-ED6G			25	60	72	10.8			
GM90-30AS-ED6G			30	50	60	12.7			
GM90-40AS-ED6G			40	37.5	45	16.7			
GM90-50AS-ED6G			50	30	36	20.6			
GM90-60AS-ED6G			60	25	30	24.5			

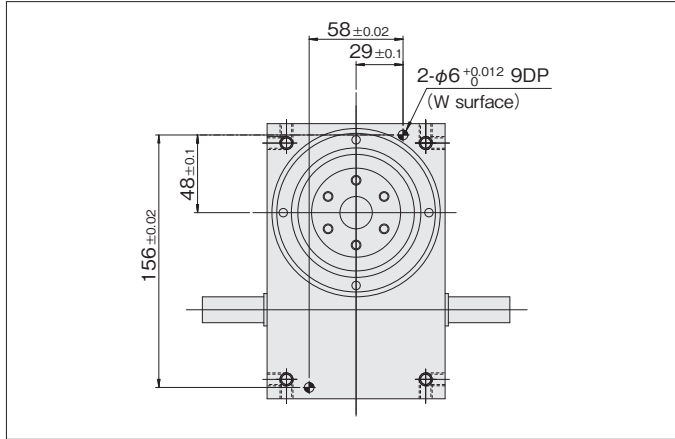
Torque limiter mounting specifications (option)

Figure ED6-3



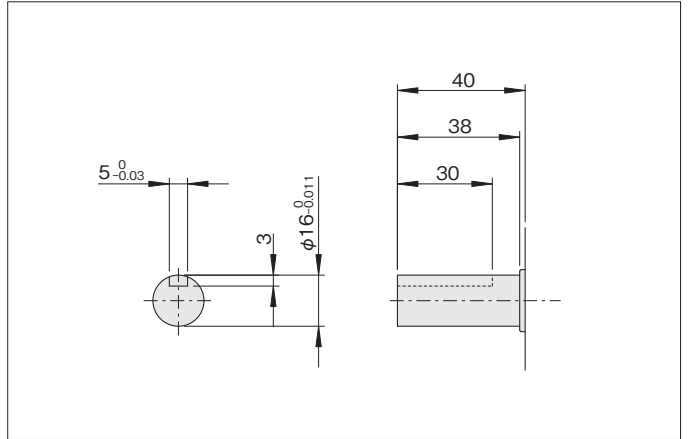
Reamed hole (option)

Figure ED6-4



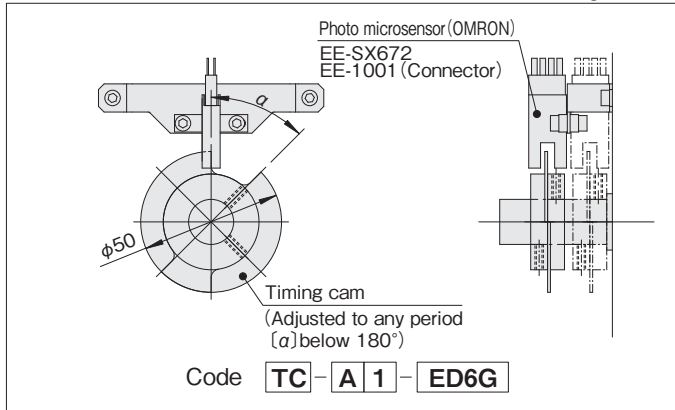
Input shaft with key-way (option)

Figure ED6-5



Timing cam-Photo switch (option)

Figure ED6-6



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.



# ED7/ED7G

## ED7 Dimensions

(Unit : mm)

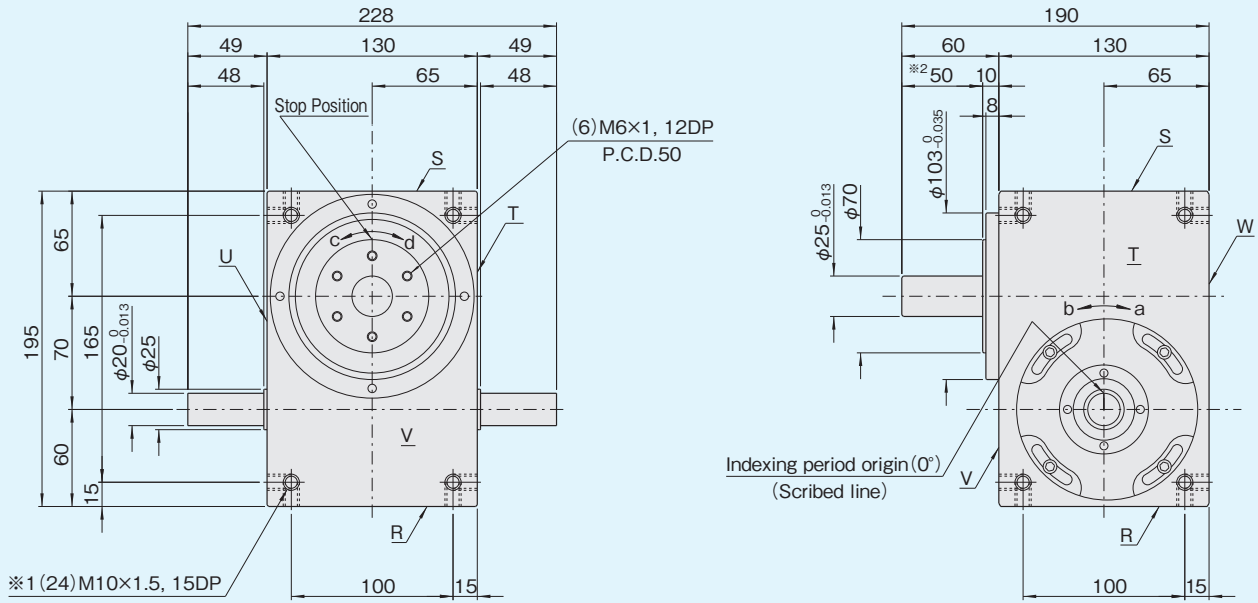


Figure ED7-1

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

## ED7G Dimensions

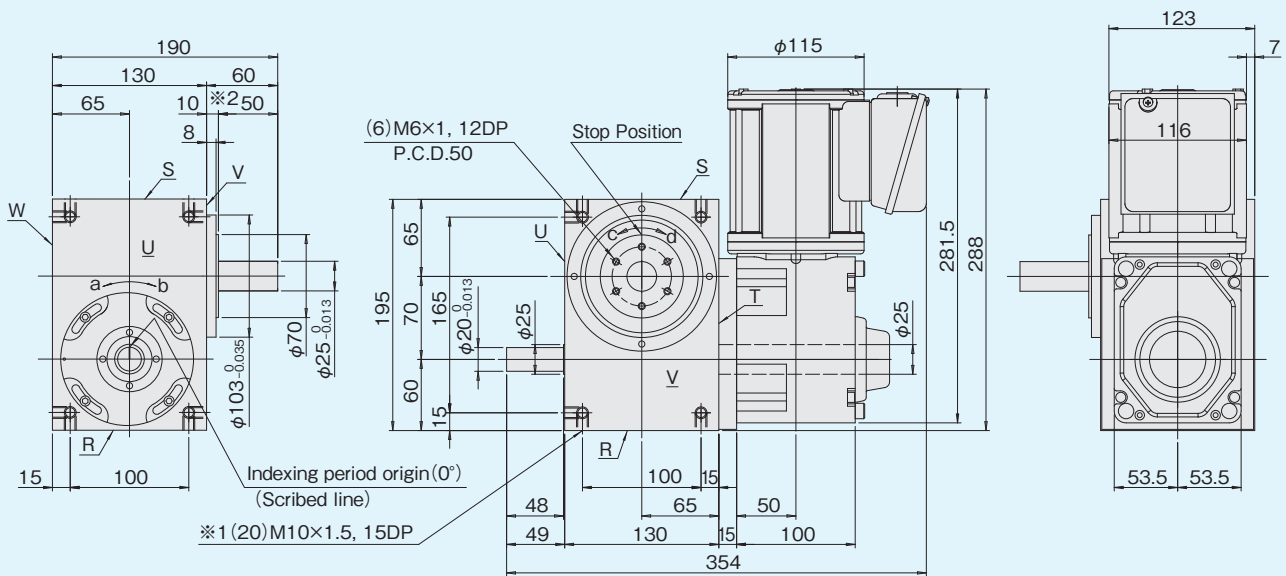


Figure ED7-2

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

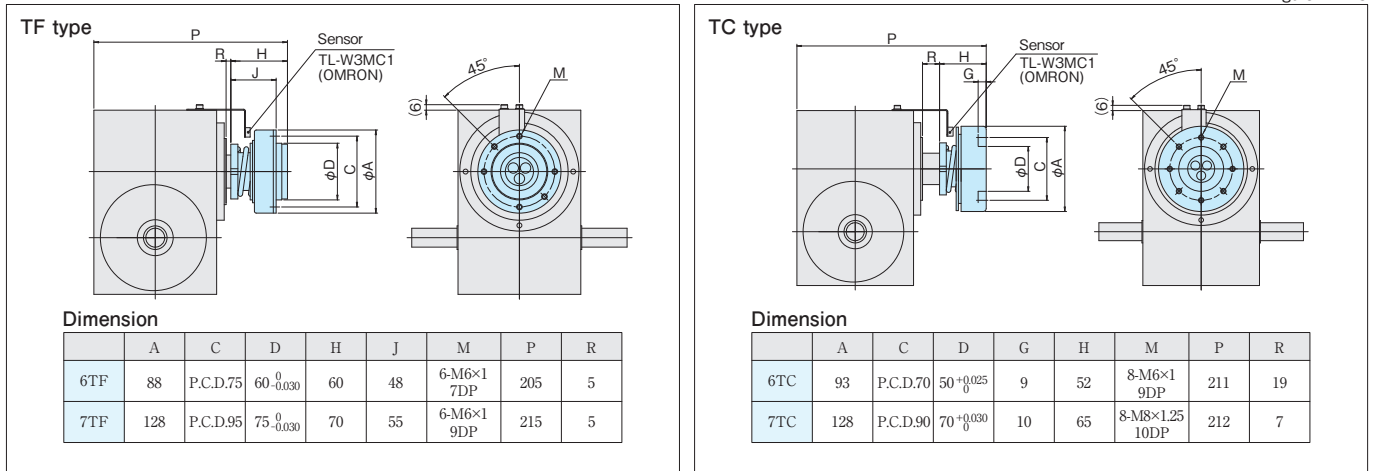
Specifications of geared motor

Table ED7-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed $N_M$ (rpm)		Output Allowable Torque $T_R$ (N·m)		Moment of inertia $J_M$ (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
GM200-10AS-ED7G-01	200	200/220	10	150	180	11	9.2	$10.0 \times 10^{-4}$	8.5
GM200-12.5AS-ED7G-01			12.5	120	144	14	12		
GM200-15AS-ED7G-01			15	100	120	17	14		
GM200-20AS-ED7G-01			20	75	90	23	19		
GM200-25AS-ED7G-01			25	60	72	27	24		
GM200-30AS-ED7G-01			30	50	60	33	27		
GM200-40AS-ED7G-01			40	37.5	45	44	37		
GM200-50AS-ED7G-01			50	30	36	55	46		
GM200-60AS-ED7G-01			60	25	30	67	55		

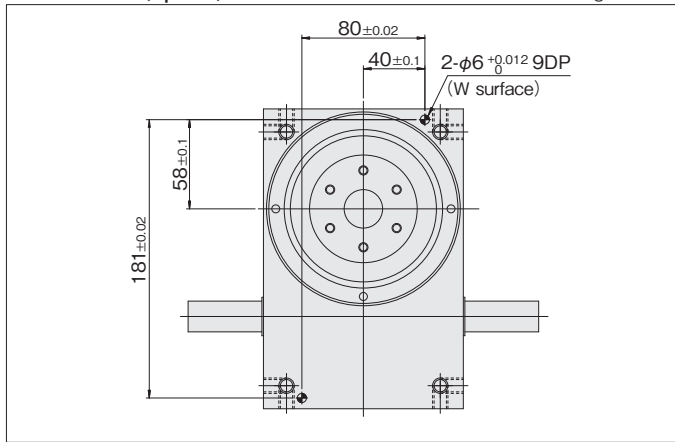
Torque limiter mounting specifications (option)

Figure ED7-3



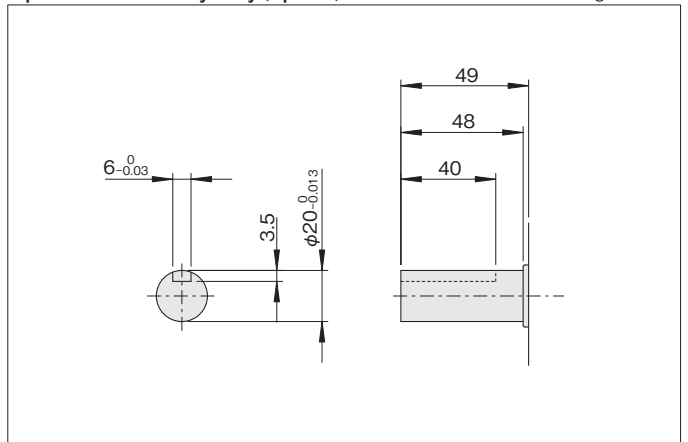
Reamed hole (option)

Figure ED7-4



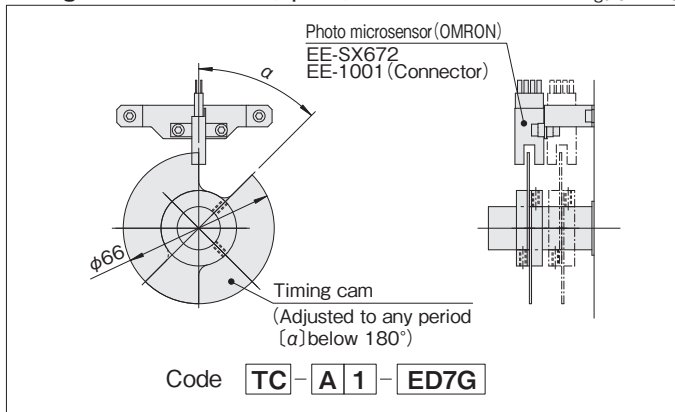
Input shaft with key-way (option)

Figure ED7-5



Timing cam-Photo switch (option)

Figure ED7-6



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.

# ED8/ED8G

## ED8 Dimensions

(Unit : mm)

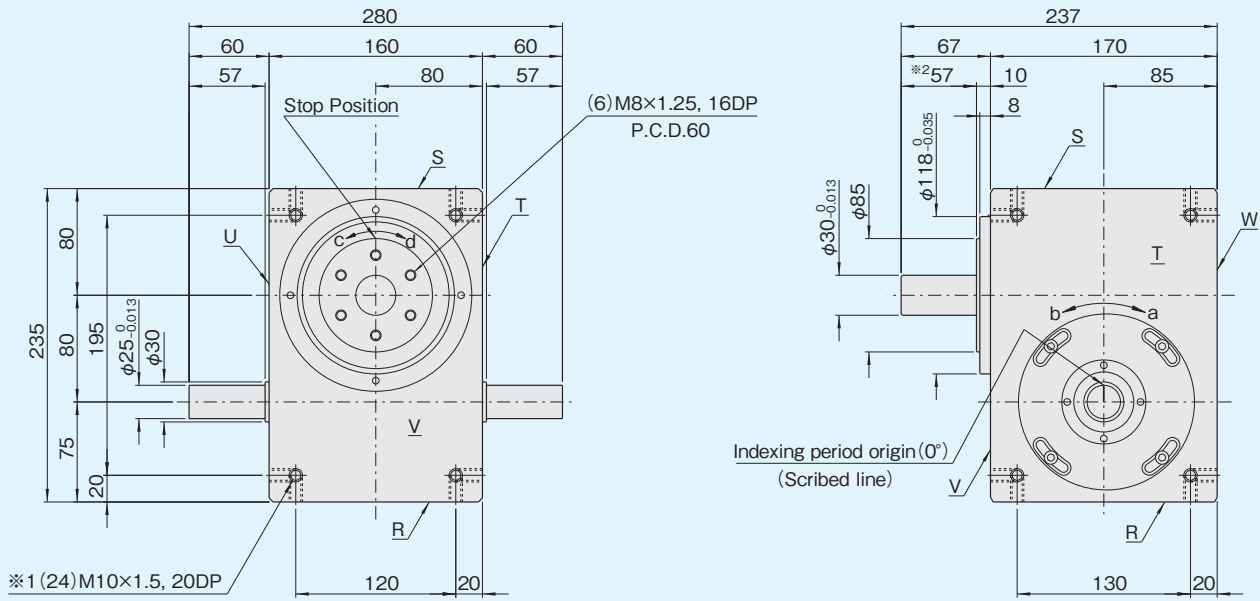


Figure ED8-1

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

## ED8G Dimensions

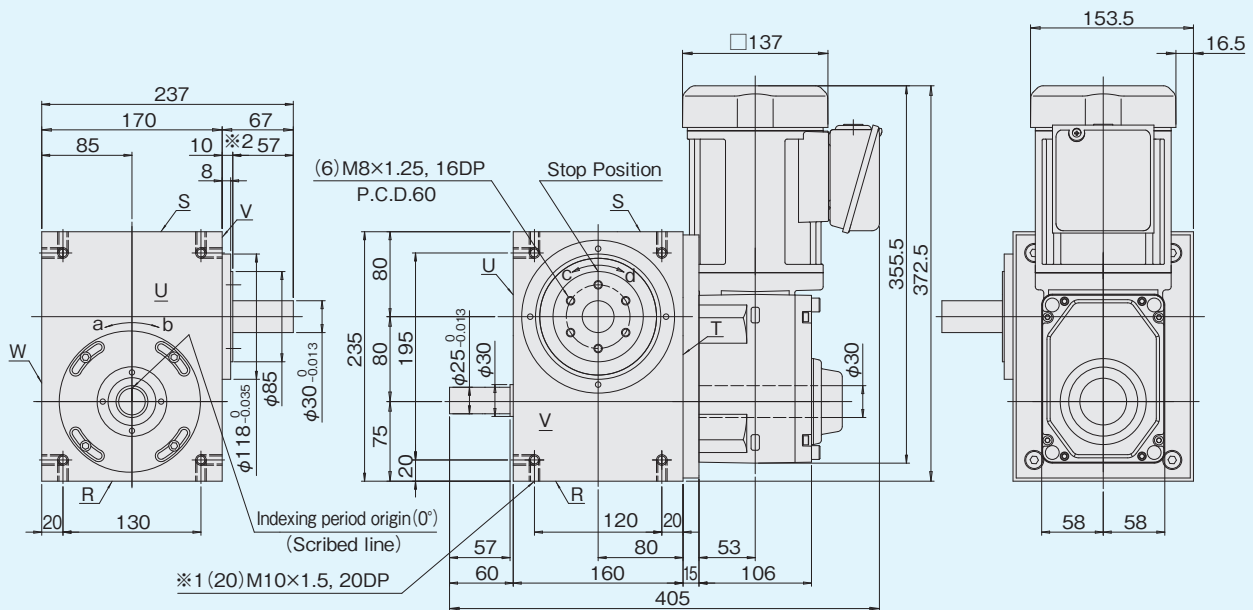


Figure ED8-2

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

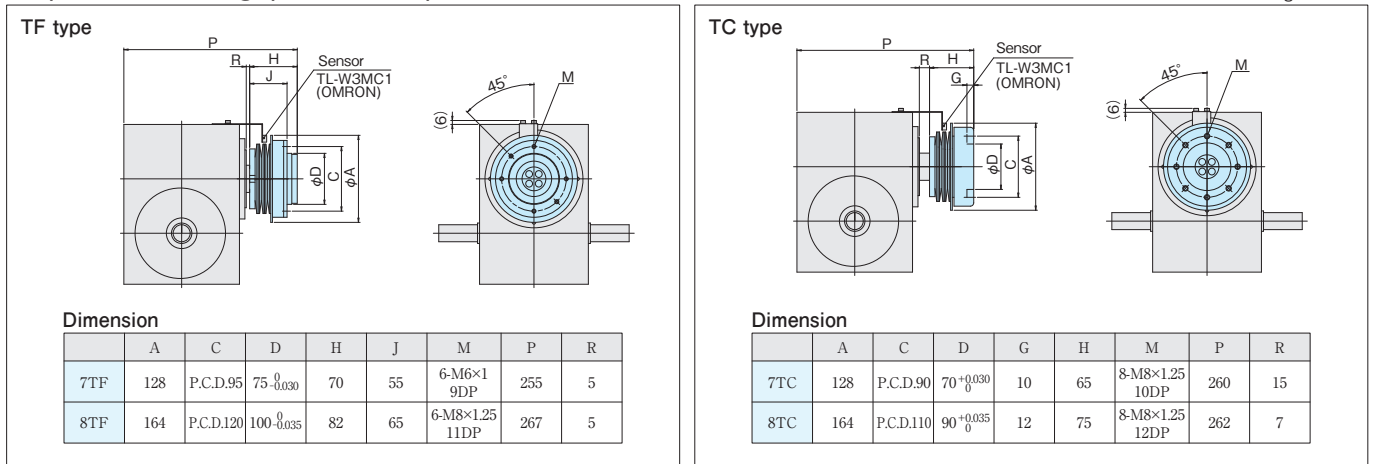
Specifications of geared motor

Table ED8-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed N <sub>M</sub> (rpm)		Output Allowable Torque T <sub>R</sub> (N·m)		Moment of inertia J <sub>M</sub> (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
GM400-10AS-ED8G-01	400	200/220	10	150	180	23	19	15.0×10 <sup>-4</sup>	11.5
GM400-12.5AS-ED8G-01			12.5	120	144	27	24		
GM400-15AS-ED8G-01			15	100	120	33	27		
GM400-20AS-ED8G-01			20	75	90	44	37		
GM400-25AS-ED8G-01			25	60	72	55	46		
GM400-30AS-ED8G-01			30	50	60	67	55		
GM400-40AS-ED8G-01			40	37.5	45	88	74		
GM400-50AS-ED8G-01			50	30	36	111	92		
GM400-60AS-ED8G-01			60	25	30	133	111		

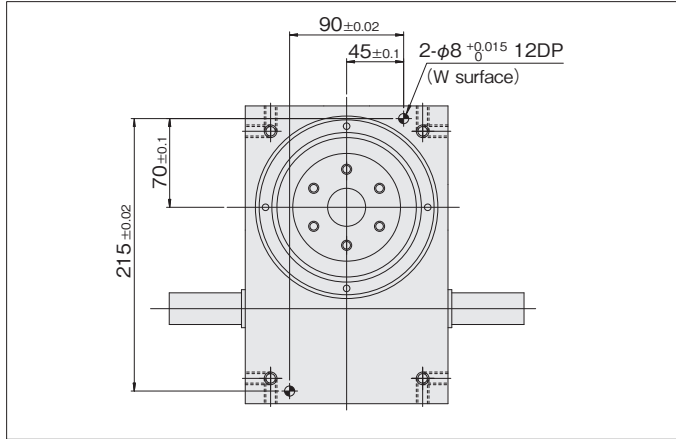
Torque limiter mounting specifications (option)

Figure ED8-3



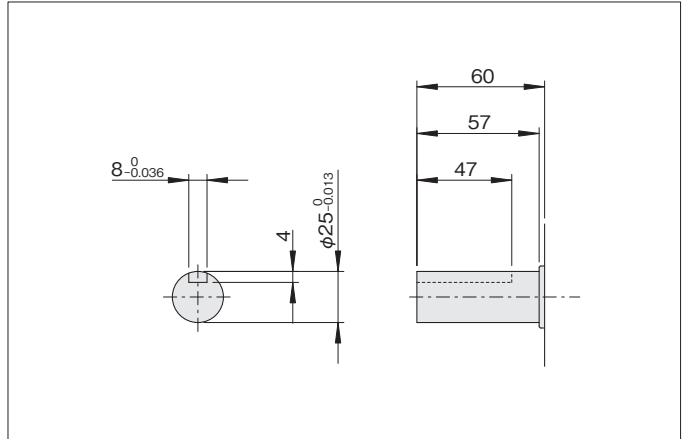
Reamed hole (option)

Figure ED8-4



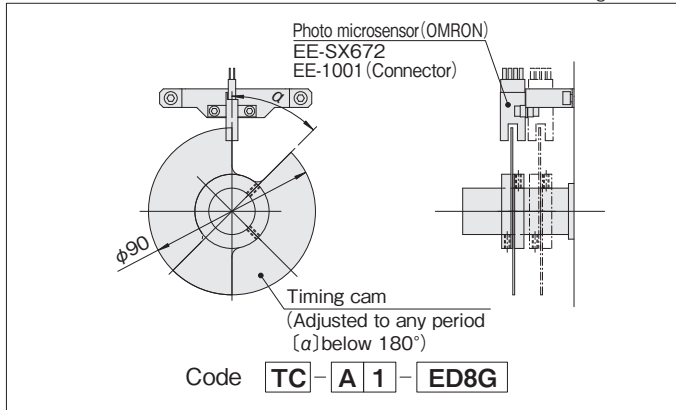
Input shaft with key-way (option)

Figure ED8-5



Timing cam-Photo switch (option)

Figure ED8-6



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.

# ED11/ED11G

## ED11 Dimensions

(Unit : mm)

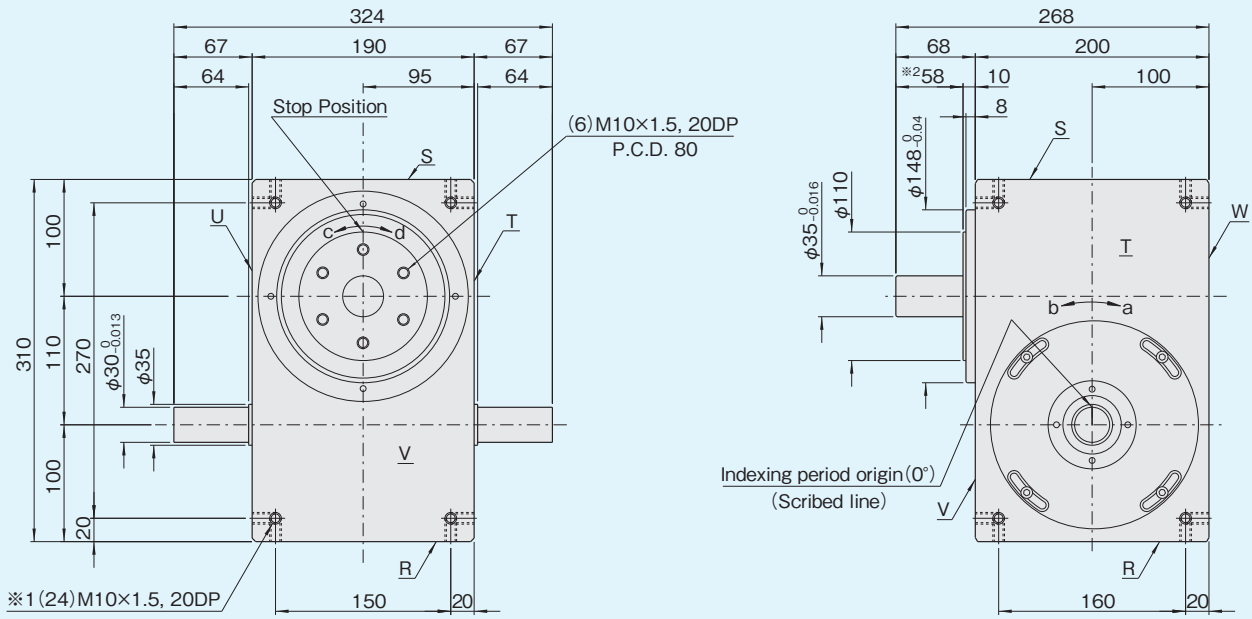


Figure ED11-1

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

## ED11G Dimensions

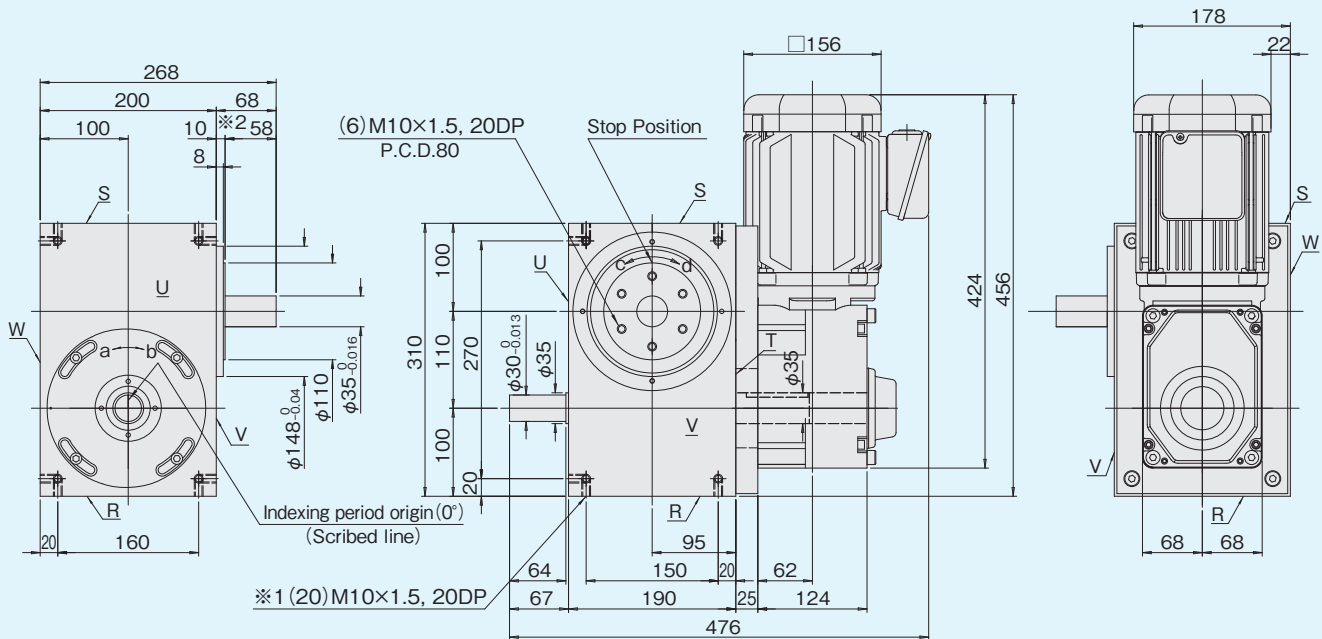


Figure ED11-2

※1:Tapped mounting holes on all surfaces come automatically. Mounting holes on only a user-specified side is optional. ※2:Output shaft available to shorten to 10mm height.

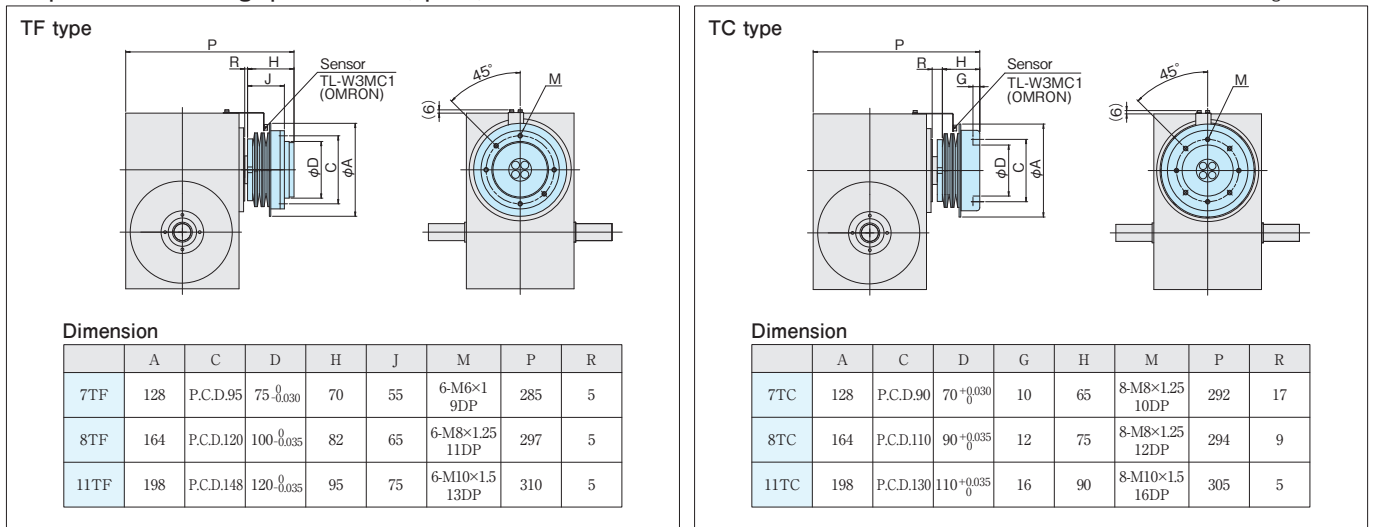
Specifications of geared motor

Table ED11-1

Code	Motor Power (W)	Voltage (V)	Actual Gear Ratio (i)	Output Shaft Speed N <sub>M</sub> (rpm)		Output Allowable Torque T <sub>R</sub> (N·m)		Moment of inertia J <sub>M</sub> (kg·m <sup>2</sup> )	Weight (kg)
				50Hz	60Hz	50Hz	60Hz		
Standard motor									
GM750-10AS-ED11G-02	750	200/220	10	150	180	41	34	30.0×10 <sup>-4</sup>	21
GM750-12.5AS-ED11G-02			12.5	120	144	52	43		
GM750-15AS-ED11G-02			15	100	120	63	52		
GM750-20AS-ED11G-02			20	75	90	83	70		
GM750-25AS-ED11G-02			25	60	72	104	86		
GM750-30AS-ED11G-02			30	50	60	124	104		
GM750-40AS-ED11G-02			40	37.5	45	166	138		
GM750-50AS-ED11G-02			50	30	36	208	173		
GM750-60AS-ED11G-02			60	25	30	249	208		

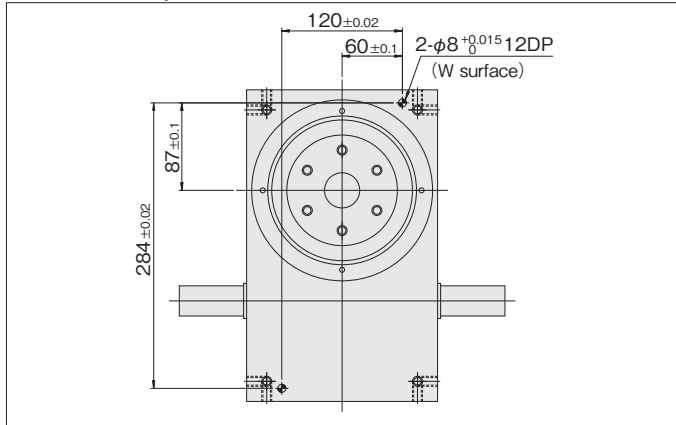
Torque limiter mounting specifications (option)

Figure ED11-3



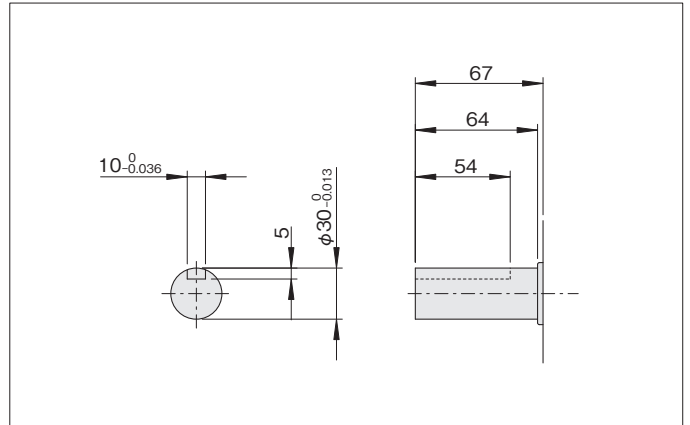
Reamed hole (option)

Figure ED11-4



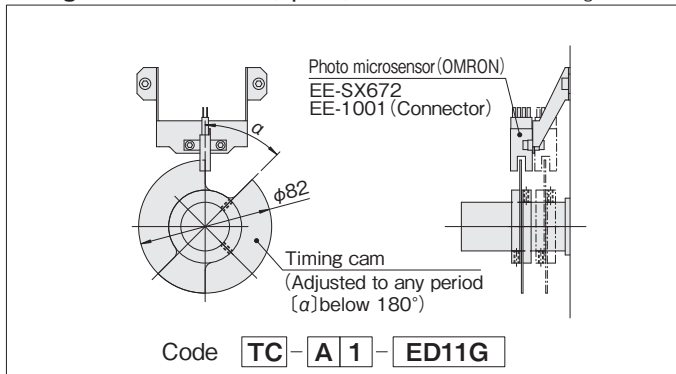
Input shaft with key-way (option)

Figure ED11-5



Timing cam-Photo switch (option)

Figure ED11-6



Solid line shows 1 set mounted, dashed line shows 2 sets mounted.