

# GT Series

GT



## Model Number and Options

GT	60	B	10	MOTOR
Type	Model	Output Table Supporting Bearing	Ratio	Motor Type
GT	60	B: (60#~200#)	1-Stage : 5, 10, 18	
	85	Ball Bearing	2-Stage : 25, 50, 100	
	110	C: (60#~200#)		
	135	Crossed Roller Bearing		
	170	H: (60#)	H	
	200	Ball Bearing	Output table supporting bearing type	
	250	Crossed Roller Bearing	H 1-Stage : 10, 18	
		(85#~250#)	2-Stage : 50, 100	

### Quiet operation

Grinding process for spiral bevel gear & Helical gears contribute to reduced vibration and noise.

### High Rigidity

Cross-roller bearing options further increases rigidity load support capacity

### High Efficiency

Efficiency exceeds 98%.

# Characteristics of GT Series

## Flexible Motor Connection

The modular design of motor connection plate is suitable for any brand servo motor and stepper motor. The input-end and the motor are coupled through a collet locking mechanism. It has passed dynamical balance analysis to assure concentricity and balance on the connection and no backlash for power transmission while running at high speed.

## High Accuracy

Repeatability  $\pm 10$  sec  
Torsional Backlash  $\leq 1$  arcmin  
Lost Motion  $\leq 2$  arcmin



## Hollow Structure Design

Convenient for electric wiring and fixed components



## Direct Workpiece Mounting

Designed to support high loads

## Reduced Weight

To minimize total weight, housing of the reducer is CNC machined from aluminum alloy.

## Helical Gear Design

The speed reduction mechanism employs helical gears, which provide two times meshing rate of teeth compared with spur gears. Additional benefits include - extremely smooth running, low noise, high torque output and low backlash.

## High Precision Gear Machining

Precision teeth grinding and carburizing process assures gear accuracy to DIN6 class, and hardness to 58-60 HRC.

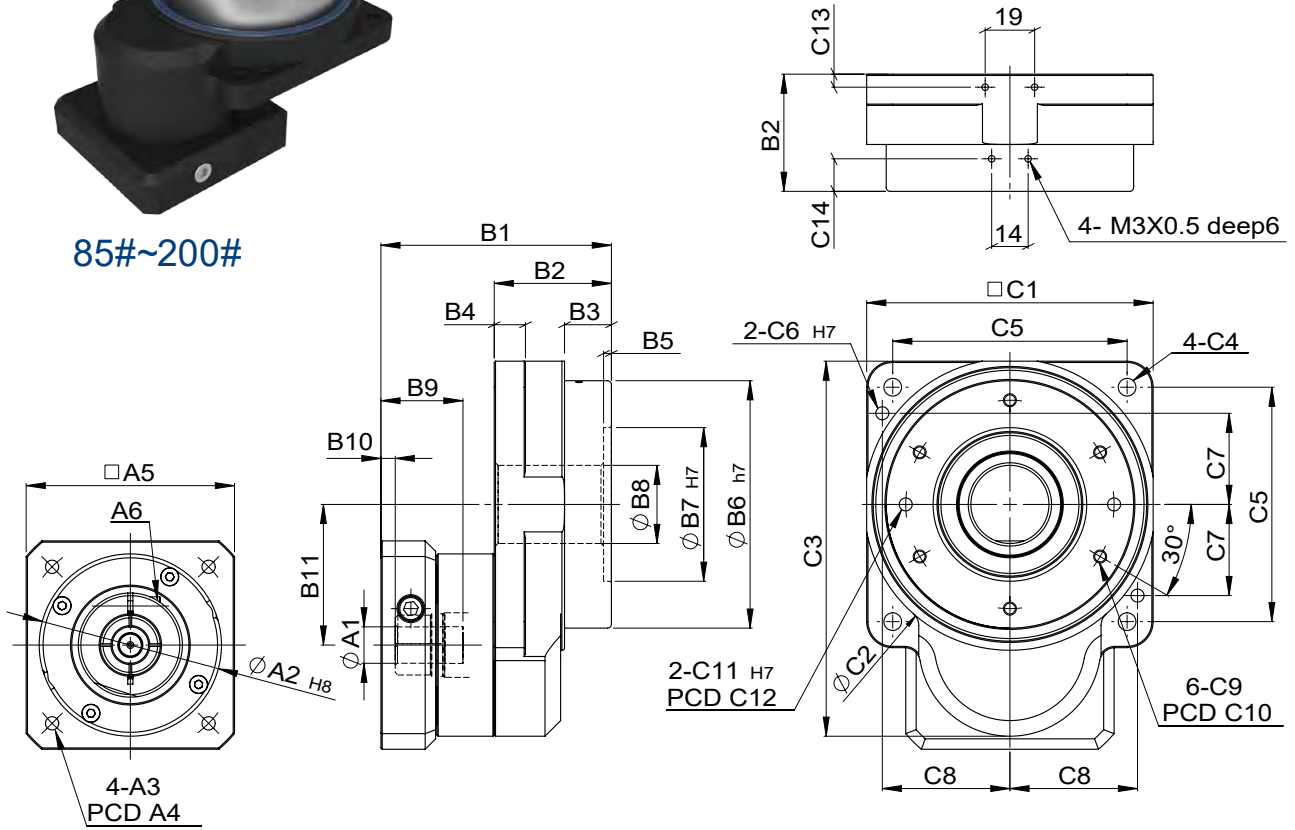
# MODEL : GT-B

RATIO : 5.10.18 ( 1-Stage)

GT



85#~200#



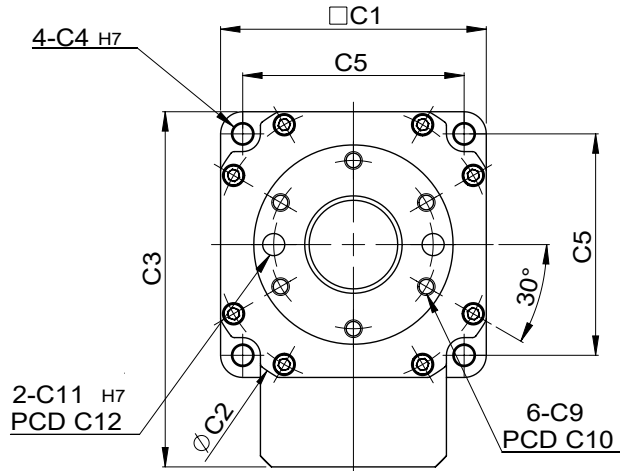
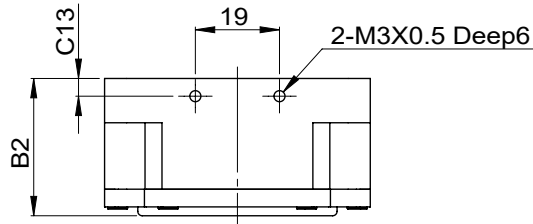
unit: mm

	Model	60	85	110	135	200
	Code					
<b>A</b>	A1	8	8, 14	14	14, 19	19, 24
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	70, 80, 95, 110
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M5, M6, M8
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	90, 100, 115, 145
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	92, 110, 130
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0
<b>B</b>	B1	66	86.5	90.5	111	125.5, 139.5
	B2	31	44.5	45	55	70
	B3	6	21.5	18	22	30
	B4	10	10	12	15	20
	B5	2	3	3	3	4
	B6	45	70	95	115	170
	B7	-	52	59	92	120
	B8	20	22	30	50	75
	B9	26.5	31	31.5	41	44.5, 57.5
	B10	6.5	5	5.5	6	8.5, 7.5
	B11	29.2	41.6	54	66.6	92.5
<b>C</b>	C1	60	85	110	135	200
	C2	69	87	112	138	202
	C3	80.2	110.1	144	169.1	242.5
	C4	4.5	5.5	6.8	9	11
	C5	50	70	90	110	170
	C6	-	4	5	5	8
	C7	-	28	35	45	68
	C8	-	38	49	60	85
	C9	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0
	C10	38	62.5	80	104	155
	C11	5 deep6	5 deep6	5 deep6	5 deep5	8 deep8
	C12	36	62.5	80	104	155
	C13	4	4	5	5.5	9
	C14	-	7.5	12.5	17	24

# GT-B Series 1-Stage



60#



## GT-B 1-Stage

Specifications		Unit	Ratio	60B	85B	110B	135B	200B
Output Table Supporting Bearing			5~18	Ball Bearing				
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	5	5	18	33	43	142
			10	4	14	26	34	112
			18	3	10	19	25	85
Max. Acceleration Torque	$T_{2B}$	Nm	5~18	1.5 Times of Rated Output Torque				
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	5~18	2 Times of Rated Output Torque				
Inertia Moment		kg.m <sup>2</sup>	5~18	777 x 10 <sup>-7</sup>	1268 x 10 <sup>-6</sup>	1562 x 10 <sup>-6</sup>	2918 x 10 <sup>-6</sup>	29072 x 10 <sup>-6</sup>
Output Permissible Speed		rpm	5~18	300	300	300	300	300
Torsional Backlash		arcmin	5~18	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Lost Motion		arcmin	5~18	2(0.033°)				
Repetitive Positioning Accuracy		arcsec	5~18	±10(0.0028°)				
Permissible Thrust Load		N	5~18	350	600	800	1450	2500
Permissible Moment Load		Nm	5~18	7	12	16	30	50
Runout of Output Table Surface		mm	5~18	0.01	0.01	0.015	0.015	0.02
Runout of Output Table Inner / Outer Diameter		mm	5~18	0.01	0.01	0.015	0.015	0.02
Parallelism of Output Table		mm	5~18	0.02	0.02	0.025	0.025	0.03
Protection Class			5~18	IP65				
Weight		Kg	5~18	0.54	1.17	2.54	3.83	10.09

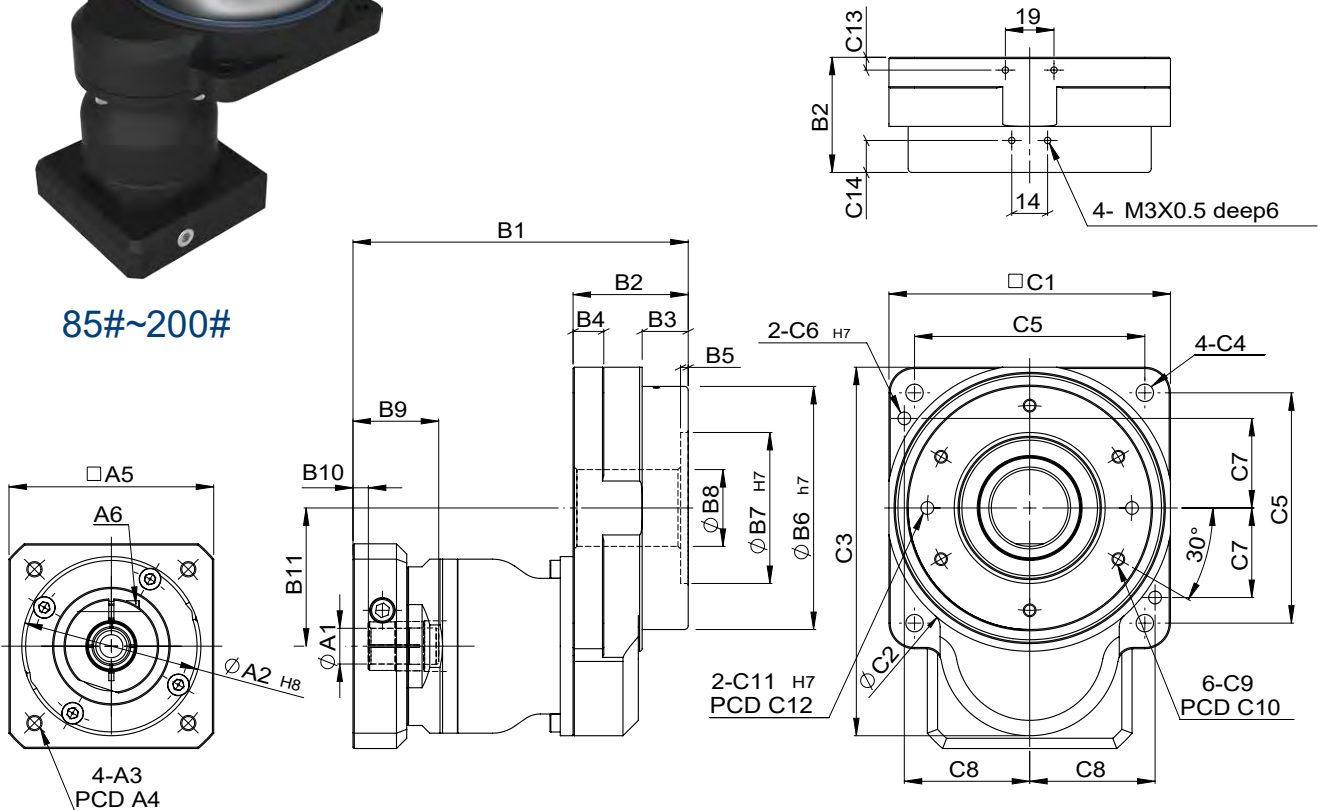
# MODEL : GT-B

RATIO : 25.50.100 (2-Stage)

GT



85#~200#



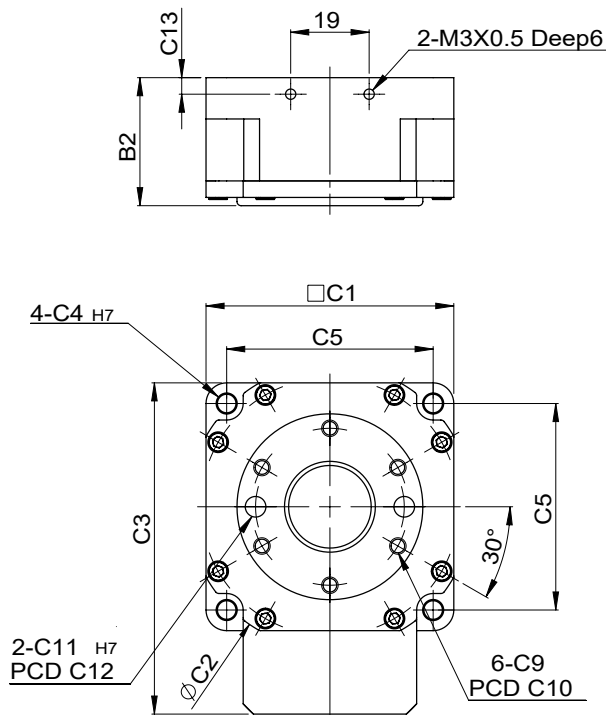
unit: mm

Model Code	60	85	110	135	200	
<b>A</b>	A1	8	14	14	19	
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	50, 60, 70
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M4, M5, M6
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	70, 75, 90
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	64, 70, 80
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M5 x 0.8
<b>B</b>	B1	103	116.5	131	141	166.5
	B2	31	44.5	45	55	70
	B3	6	21.5	18	22	30
	B4	10	10	12	15	20
	B5	2	3	3	3	4
	B6	45	70	95	115	170
	B7	-	52	59	92	120
	B8	20	22	30	50	75
	B9	32	32	33.5	33.5	45.5
	B10	4.5	5	6	6	10
	B11	29.2	41.6	54	66.6	92.5
<b>C</b>	C1	60	85	110	135	200
	C2	69	87	112	138	202
	C3	80.2	110.1	144	169.1	242.5
	C4	4.5	5.5	6.8	9	11
	C5	50	70	90	110	170
	C6	-	4	5	5	8
	C7	-	28	35	45	68
	C8	-	38	49	60	85
	C9	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0
	C10	38	62.5	80	104	155
	C11	5 deep6	5 deep6	5 deep6	5 deep5	8 deep8
	C12	36	62.5	80	104	155
	C13	4	4	5	5.5	9
	C14	-	7.5	12.5	17	24

# GT-B Series 2-Stage



60#



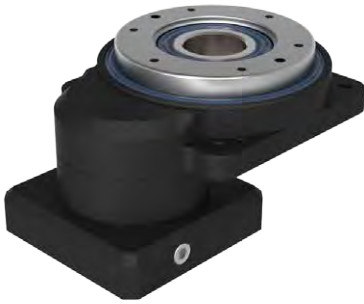
## GT-B 2-Stage

Specifications		Unit	Ratio	60B	85B	110B	135B	200B
Output Table Supporting Bearing			25~100	Ball Bearing				
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	25	5	18	33	43	142
			50	4	14	26	34	112
			100	4	14	26	34	112
Max. Acceleration Torque	$T_{2B}$	Nm	25~100	1.5 Times of Rated Output Torque				
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	25~100	2 Times of Rated Output Torque				
Inertia Moment		kg.m <sup>2</sup>	25~100	$777 \times 10^{-7}$	$1268 \times 10^{-6}$	$1562 \times 10^{-6}$	$2918 \times 10^{-6}$	$29072 \times 10^{-6}$
Output Permissible Speed		rpm	25~100	300	300	300	300	300
Torsional Backlash		arcmin	25~100	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3
Lost Motion		arcmin	25~100	2(0.033°)				
Repetitive Positioning Accuracy		arcsec	25~100	±10(0.0028°)				
Permissible Thrust Load		N	25~100	350	600	800	1450	2500
Permissible Moment Load		Nm	25~100	7	12	16	30	50
Runout of Output Table Surface		mm	25~100	0.01	0.01	0.015	0.015	0.02
Runout of Output Table Inner / Outer Diameter		mm	25~100	0.01	0.01	0.015	0.015	0.02
Parallelism of Output Table		mm	25~100	0.02	0.02	0.025	0.025	0.03
Protection Class			25~100	IP65				
Weight		Kg	25~100	1.1	1.95	3.76	4.92	11.8

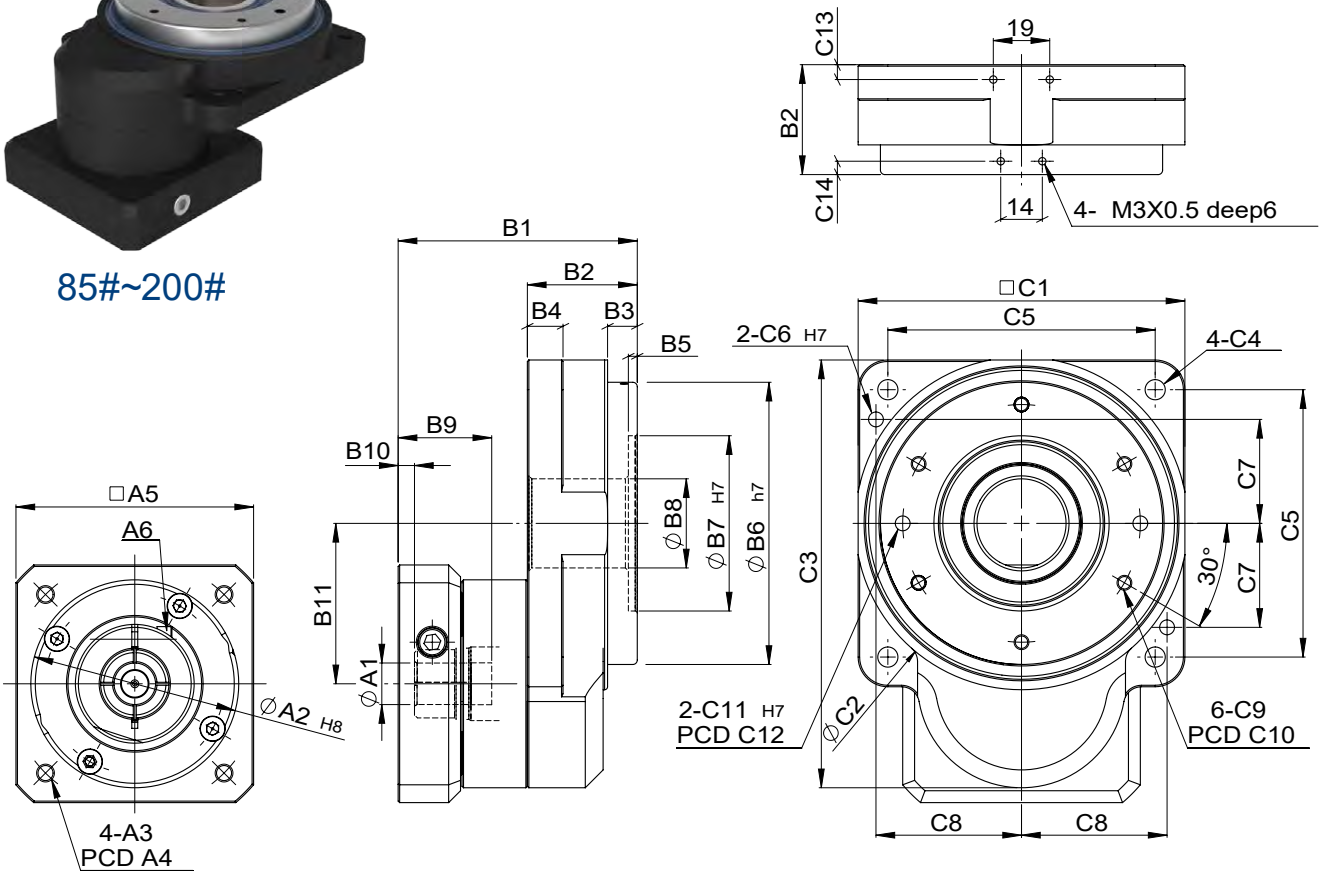
# MODEL : GT-C

RATIO : 5.10.18 (1-Stage)

GT



85#~200#



unit: mm

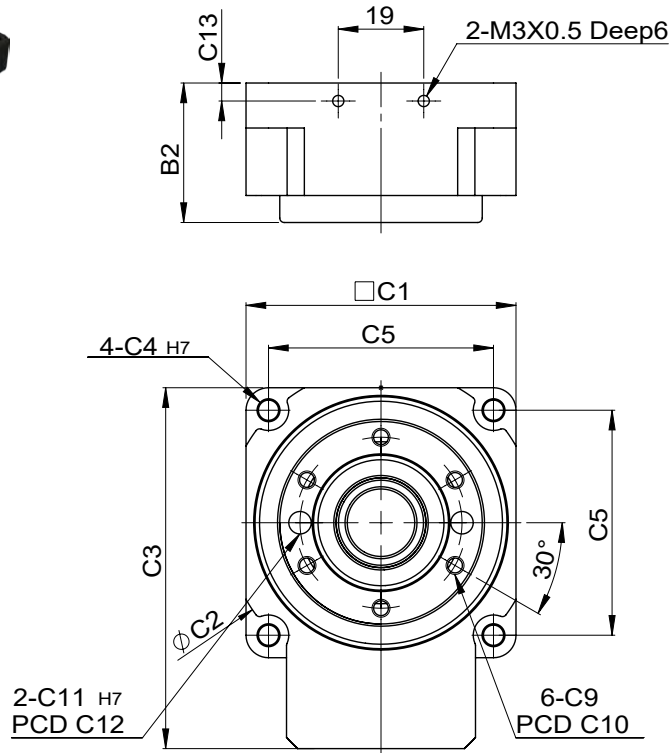
Model Code	60	85	110	135	170	200	
<b>A</b>	A1	8	8, 14	14	14, 19	19, 24	
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	70, 80, 95, 110	70, 80, 95, 110
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M5, M6, M8	M5, M6, M8
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	90, 100, 115, 145	90, 100, 115, 145
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	92, 110, 130	92, 110, 130
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0	M6 x 1.0
<b>B</b>	B1	66	78.5	82.5	98	115.5, 128.5	113.5, 127.5
	B2	31	36.5	37	42	60	58
	B3	6	13.5	10	9	6	18
	B4	10	10	12	15	36	20
	B5	2	3	3	3	6	4
	B6	45	70	95	115	135	170
	B7	30	52	59	92	104	120
	B8	15	22	30	50	85	75
	B9	26.5	31	31.5	41	44.5, 57.5	44.5, 57.5
	B10	6.5	5	5.5	6	8.5, .5	8.5, 7.5
	B11	29.2	41.6	54	66.6	92.5	92.5
<b>C</b>	C1	60	85	110	135	170	200
	C2	69	87	112	138	176	202
	C3	80.2	110.1	144	169.1	227.5	242.5
	C4	4.5	5.5	6.8	9	11	11
	C5	50	70	90	110	145	170
	C6	-	4	5	5	6	8
	C7	-	28	35	45	60	68
	C8	-	38	49	60	72.5	85
	C9	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M8 x 1.25	M6 x 1.0
	C10	38	62.5	80	104	120	155
	C11	5 deep6	5 deep6	5 deep6	5 deep5	6 deep8	8 deep8
	C12	36	62.5	80	104	120	155
	C13	4	4	5	5.5	-	9
	C14	-	5	4.5	4	-	12



# GT-C Series 1-Stage



60#



## GT-C 1-Stage

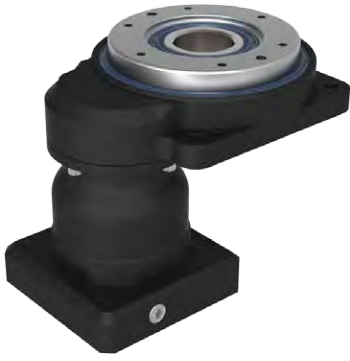
Specifications	Unit	Ratio	60C	85C	110C	135C	170C	200C	
Output Table Supporting Bearing		5~18	Crossed Roller Bearing						
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	5	18	33	43	100	142	
			10	14	26	34	-	112	
			18	10	19	25	-	85	
Max. Acceleration Torque	$T_{2B}$	Nm	5~18	1.5 Times of Rated Output Torque					
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	5~18	2 Times of Rated Output Torque					
Inertia Moment	kg.m <sup>2</sup>	5~18	$735 \times 10^{-7}$	$1203 \times 10^{-6}$	$1483 \times 10^{-6}$	$2772 \times 10^{-6}$	$27619 \times 10^{-6}$	$27619 \times 10^{-6}$	
Output Permissible Speed	rpm	5~18	200	200	200	200	200	200	
Torsional Backlash	arcmin	5~18	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	
Lost Motion	arcmin	5~18	2(0.033°)						
Repetitive Positioning Accuracy	arcsec	5~18	$\pm 10(0.0028^\circ)$						
Permissible Thrust Load	N	5~18	500	900	1200	2200	4000	4000	
Permissible Moment Load	Nm	5~18	10	18	24	45	65	80	
Runout of Output Table Surface	mm	5~18	0.01	0.01	0.015	0.015	0.02	0.02	
Runout of Output Table Inner / Outer Diameter	mm	5~18	0.01	0.01	0.015	0.015	0.02	0.02	
Parallelism of Output Table	mm	5~18	0.02	0.02	0.025	0.025	0.03	0.03	
Protection Class		5~18	IP65						
Weight	Kg	5~18	0.62	1.1	2.04	3.13		8.66	



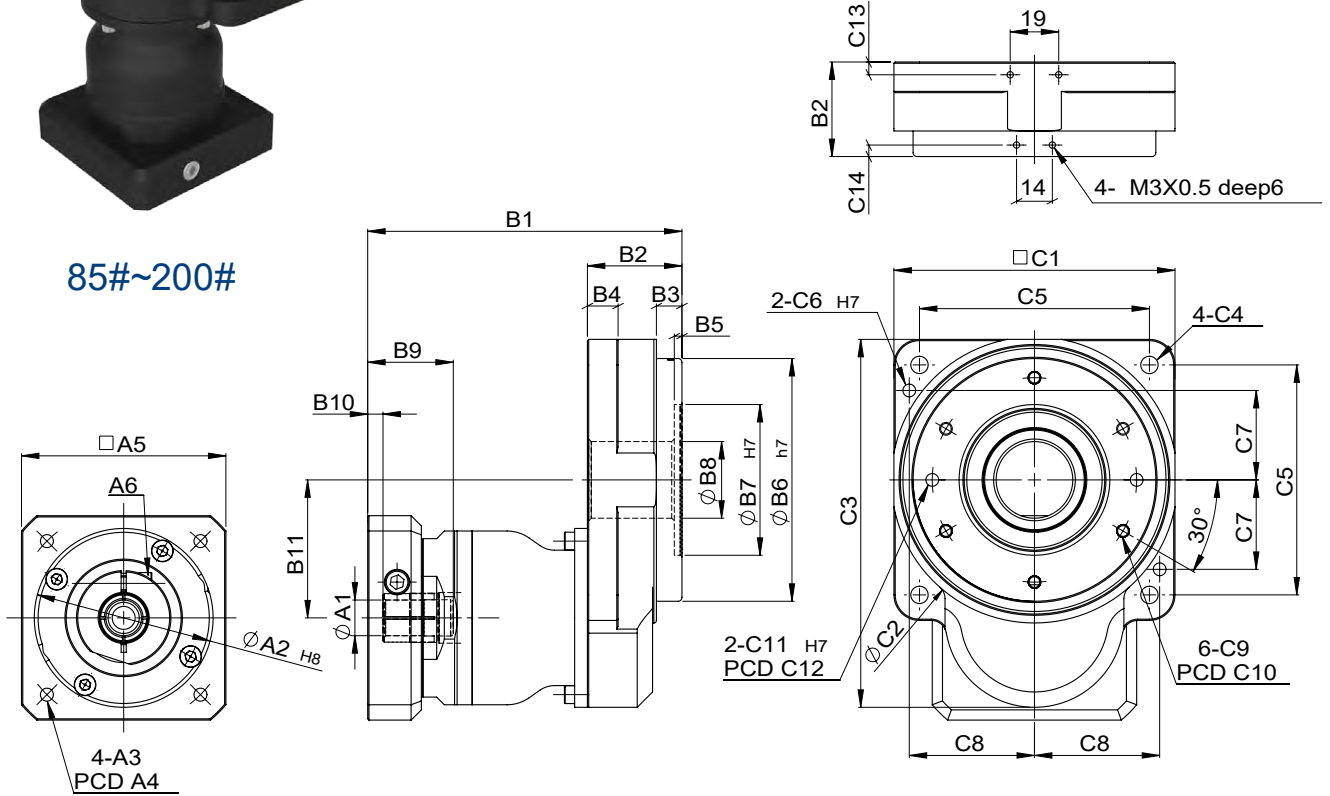
# MODEL : GT-C

RATIO : 25.50.100 (2-Stage)

GT



85#~200#



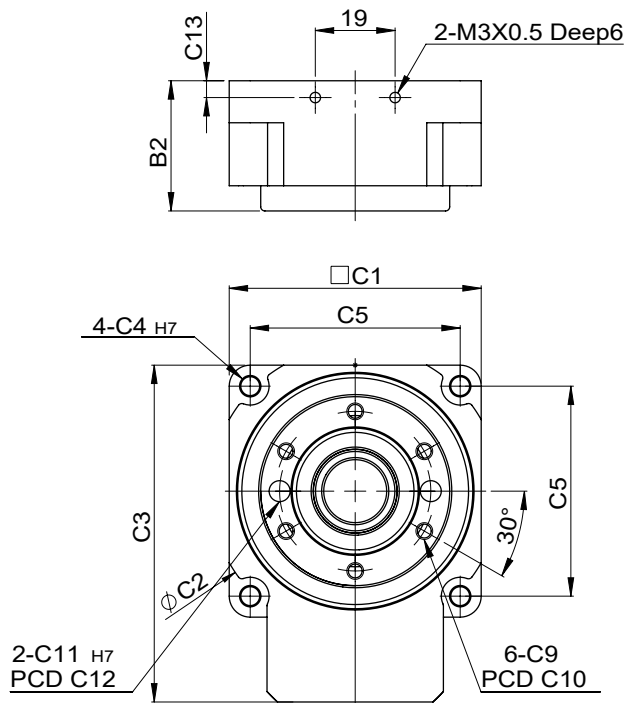
unit: mm

Model Code	60	85	110	135	170	200	
<b>A</b>	A1	8	14	14	19	19	
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	50, 60, 70	50, 60, 70
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M4, M5, M6	M4, M5, M6
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	70, 75, 90	70, 75, 90
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	64, 70, 80	64, 70, 80
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M5 x 0.8	M5 x 0.8
<b>B</b>	B1	103	108.5	123	128	156.5	154.5
	B2	31	36.5	37	42	60	58
	B3	6	13.5	10	9	6	18
	B4	10	10	12	15	36	20
	B5	2	3	3	3	6	4
	B6	45	70	95	115	135	170
	B7	30	52	59	92	104	120
	B8	15	22	30	50	85	75
	B9	32	32	33.5	33.5	45.5	45.5
	B10	4.5	5	6	6	10	10
	B11	29.2	41.6	54	66.6	92.5	92.5
<b>C</b>	C1	60	85	110	135	170	200
	C2	69	87	112	138	176	202
	C3	80.2	110.1	144	169.1	227.5	242.5
	C4	4.5	5.5	6.8	9	11	11
	C5	50	70	90	110	145	170
	C6	-	4	5	5	6	8
	C7	-	28	35	45	60	68
	C8	-	38	49	60	72.5	85
	C9	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M8 x 1.25	M6 x 1.0
	C10	38	62.5	80	104	120	155
	C11	5 deep6	5 deep6	5 deep6	5 deep5	6 deep8	8 deep8
	C12	36	62.5	80	104	120	155
	C13	4	4	5	5.5	-	9
	C14	-	5	4.5	4	-	12

# GT-C Series 2-Stage



60#



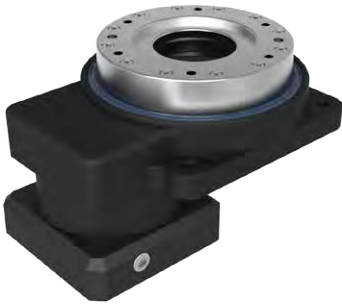
## GT-C 2-Stage

Specifications		Unit	Ratio	60C	85C	110C	135C	170C	200C
Output Table Supporting Bearing			25~100	Crossed Roller Bearing					
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	25	5	18	33	43	100	142
			50	4	14	26	34	-	112
			100	4	14	26	34	-	112
Max. Acceleration Torque	$T_{2B}$	Nm	25~100	1.5 Times of Rated Output Torque					
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	25~100	2 Times of Rated Output Torque					
Inertia Moment		kg.m <sup>2</sup>	25~100	$735 \times 10^{-7}$	$1203 \times 10^{-6}$	$1483 \times 10^{-6}$	$2772 \times 10^{-6}$	$27619 \times 10^{-6}$	$27619 \times 10^{-6}$
Output Permissible Speed		rpm	25~100	200	200	200	200	200	200
Torsional Backlash		arcmin	25~100	$\leq 3$	$\leq 3$	$\leq 3$	$\leq 3$	$\leq 3$	$\leq 3$
Lost Motion		arcmin	25~100	2(0.033°)					
Repetitive Positioning Accuracy		arcsec	25~100	$\pm 10(0.0028^\circ)$					
Permissible Thrust Load		N	25~100	500	900	1200	2200	4000	4000
Permissible Moment Load		Nm	25~100	10	18	24	45	65	80
Runout of Output Table Surface		mm	25~100	0.01	0.01	0.015	0.015	0.02	0.02
Runout of Output Table Inner / Outer Diameter		mm	25~100	0.01	0.01	0.015	0.015	0.02	0.02
Parallelism of Output Table		mm	25~100	0.02	0.02	0.025	0.025	0.03	0.03
Protection Class			25~100	IP65					
Weight		Kg	25~100	1.1	1.78	3.51	4.21	10.3	10.3

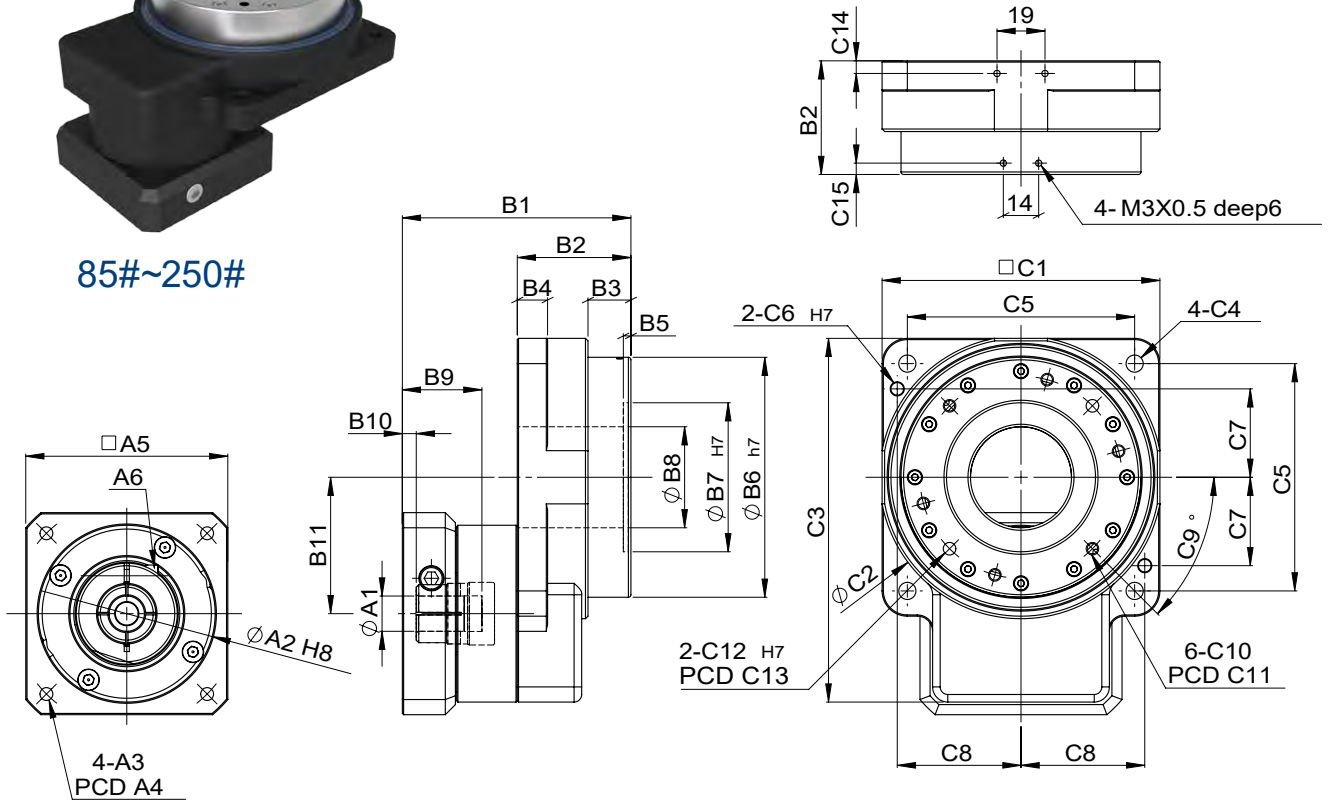
# MODEL : GT-H

RATIO : 10.18 (1-Stage)

GT



85#~250#



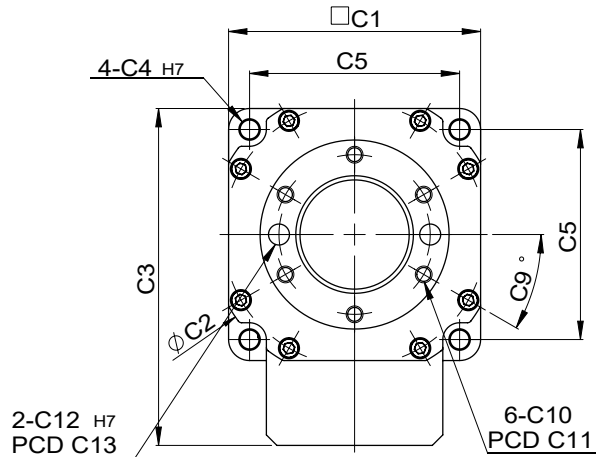
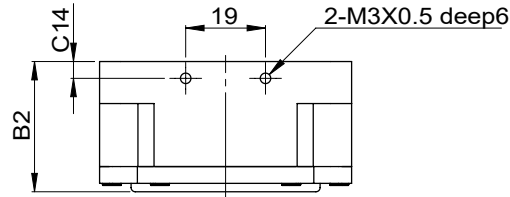
unit: mm

Model Code	60	85	110	135	200	250	
<b>A</b>	A1	8	8, 14	14	14, 19	19, 24	35
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	70, 80, 95, 110	95, 110, 114.3
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M5, M6, M8	M6, M8, M12
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	90, 100, 115, 145	115, 145, 200
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	92, 110, 130	122, 130, 180
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0	M10 x 1.5
<b>B</b>	B1	66	78.5	90.5	104	125.5, 139.5	184
	B2	31	38.5	45	48	70	84
	B3	6	13	17	12	25	27.5
	B4	10	10	12	15	20	25
	B5	2	3	3	3	4	5
	B6	45	70	95	115	170	218
	B7	-	52	59	92	140	160
	B8	26	33	40	63	100	120
	B9	26.5	31	31.5	41	44.5, 57.5	82
	B10	6.5	5	5.5	6	8.5, 7.5	10
	B11	29.2	41.6	54	66.6	98.5	122
<b>C</b>	C1	60	85	110	135	200	250
	C2	69	87	112	138	202	254
	C3	80.2	110.1	144	169.1	248.5	307
	C4	4.5	5.5	6.8	9	11	13
	C5	50	70	90	110	170	220
	C6	-	4	5	5	8	10
	C7	-	28	35	45	68	90
	C8	-	38	49	60	85	110
	C9	30	30	45	30	30	30
	C10	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0	M8 x 1.25
	C11	38	62.5	80	104	155	200
	C12	5 deep6	5 deep6	5 deep5	5 deep5	8 deep8	8 deep14.5
	C13	36	62.5	80	104	155	200
	C14	4	4	5	5.5	9	9
	C15	-	5	4.5	6	12	8

# GT-H Series 1-Stage



60#



## GT-H 1-Stage

Specifications		Unit	Ratio	60H	85H	110H	135H	200H	250H
Output Table Supporting Bearing			10, 18	Ball Bearing	Crossed Roller Bearing				
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	10	4	14	26	34	183	334
			18	3	10	19	25	128	234
Max. Acceleration Torque	$T_{2B}$	Nm	10, 18	1.5 Times of Rated Output Torque					
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	10, 18	2 Times of Rated Output Torque					
Inertia Moment		kg.m <sup>2</sup>	10, 18	$777 \times 10^{-7}$	$1203 \times 10^{-6}$	$1483 \times 10^{-6}$	$2772 \times 10^{-6}$	$27619 \times 10^{-6}$	$53551 \times 10^{-6}$
Output Permissible Speed		rpm	10, 18	300	200	200	200	200	200
Torsional Backlash		arcmin	10, 18	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$
Lost Motion		arcmin	10, 18	2(0.033°)					
Repetitive Positioning Accuracy		arcsec	10, 18	$\pm 10(0.0028^\circ)$					
Permissible Thrust Load		N	10, 18	350	900	1200	2200	4000	5060
Permissible Moment Load		Nm	10, 18	7	18	24	45	120	100
Runout of Output Table Surface		mm	10, 18	0.01	0.01	0.015	0.015	0.02	0.025
Runout of Output Table Inner / Outer Diameter		mm	10, 18	0.01	0.01	0.015	0.015	0.02	0.025
Parallelism of Output Table		mm	10, 18	0.02	0.02	0.025	0.025	0.03	0.035
Protection Class			10, 18	IP65					
Weight		Kg	10, 18					9.7	20.1

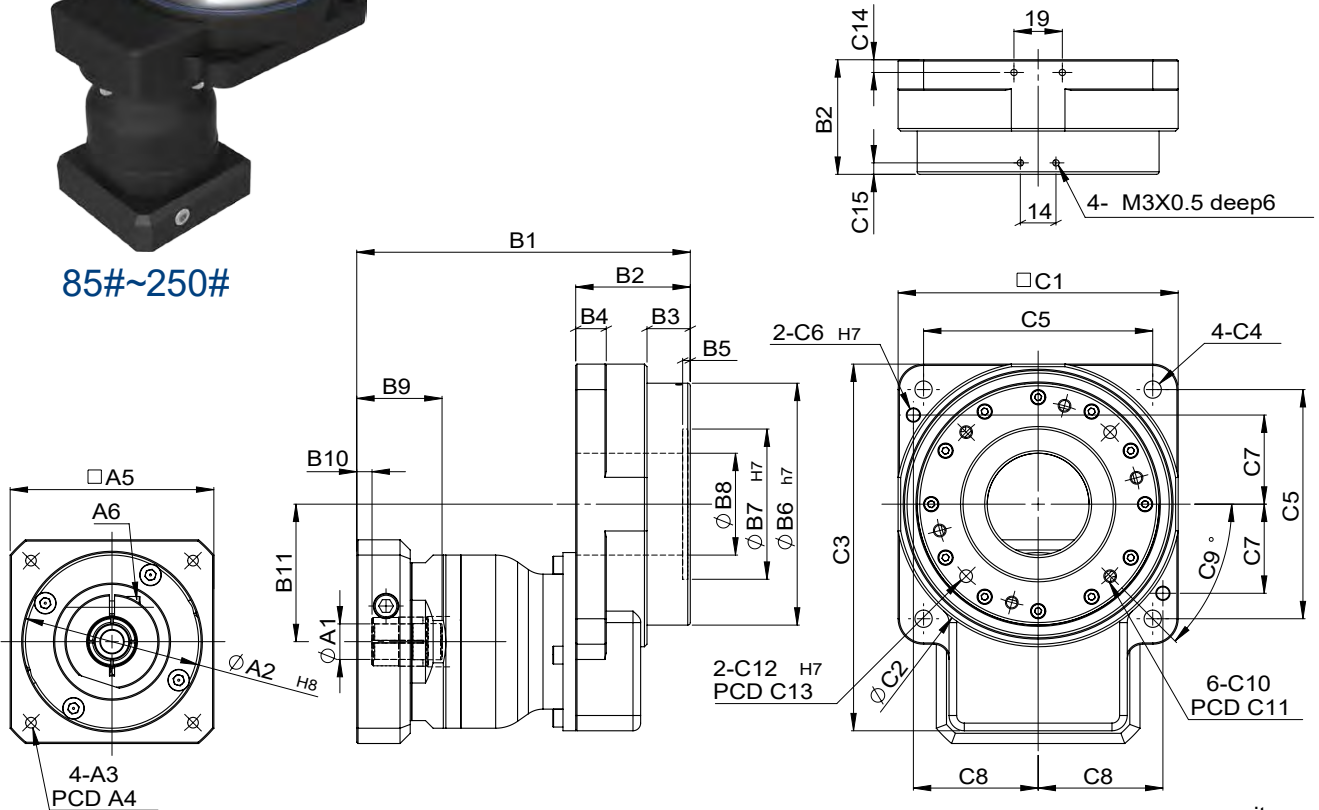
# MODEL : GT-H

RATIO : 50.100 (2-Stage)

GT



85#~250#



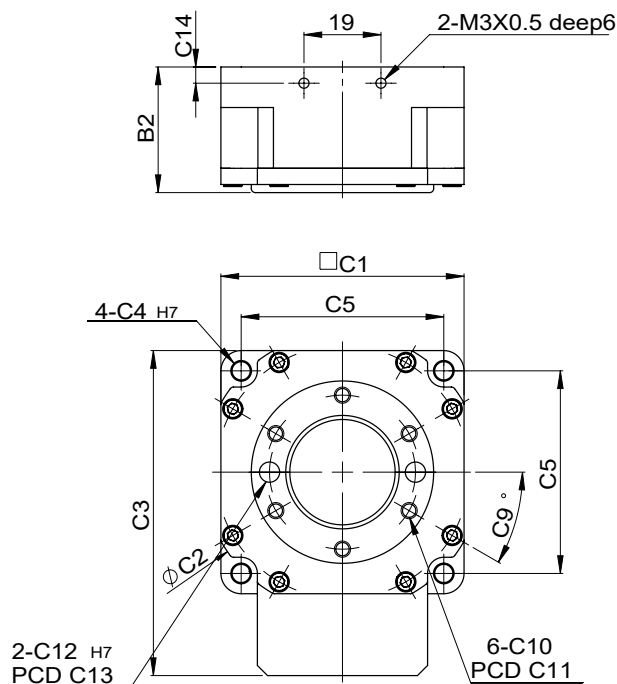
unit: mm

	Model						
	Code	60	85	110	135	200	250
<b>A</b>	A1	8	14	14	14	19	19, 24
	A2	30, 40, 50	30, 40, 50	50, 60, 70	50, 60, 70	50, 60, 70	70, 80, 95, 110
	A3	M3, M4, M5	M3, M4, M5	M4, M5, M6	M4, M5, M6	M4, M5, M6	M5, M6, M8
	A4	46, 63, 60	46, 63, 60	70, 75, 90	70, 75, 90	70, 75, 90	90, 100, 115, 145
	A5	46, 55	46, 55	64, 70, 80	64, 70, 80	64, 70, 80	92, 110, 130
	A6	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M5 x 0.8	M6 x 1.0
<b>B</b>	B1	103	108.5	131	134	166.5	198, 212.5
	B2	31	36.5	45	48	70	84
	B3	6	13	17	12	25	27.5
	B4	10	10	12	15	20	25
	B5	2	3	3	3	4	5
	B6	45	70	95	115	170	218
	B7	-	52	59	92	140	160
	B8	26	33	40	63	100	120
	B9	32	32	33.5	33.5	45.5	51, 65.5
	B10	4.5	5	6	6	10	8, 22.5
	B11	29.2	41.6	54	66.6	98.5	122
<b>C</b>	C1	60	85	110	135	200	250
	C2	69	87	112	138	202	254
	C3	80.2	110.1	144	169.1	248.5	307
	C4	4.5	5.5	6.8	9	11	13
	C5	50	70	90	110	170	220
	C6	-	4	5	5	8	10
	C7	-	28	35	45	68	90
	C8	-	38	49	60	85	110
	C9	30	30	45	30	30	30
	C10	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0	M8 x 1.25
	C11	38	62.5	80	104	155	200
	C12	5 deep6	5 deep6	5 deep5	5 deep5	8 deep8	8 deep14.5
	C13	36	62.5	80	104	155	200
	C14	4	4	5	5.5	9	9
	C15	-	5	4.5	6	12	8

# GT-H Series 2-Stage



60#



## GT-H 2-Stage

Specifications		Unit	Ratio	60H	85H	110H	135H	200H	250H
Output Table Supporting Bearing			50, 100	Ball Bearing	Crossed Roller Bearing				
Rated Output Torque (Nominal output torque)	$T_{2N}$	Nm	50, 100	4	14	26	34	183	334
Max. Acceleration Torque	$T_{2B}$	Nm	50, 100	1.5 Times of Rated Output Torque					
Max. Output Torque Emergency Stop Torque	$T_{2NOT}$	Nm	50, 100	2 Times of Rated Output Torque					
Inertia Moment		kg.m <sup>2</sup>	50, 100	$777 \times 10^{-7}$	$1203 \times 10^{-6}$	$1483 \times 10^{-6}$	$2772 \times 10^{-6}$	$27619 \times 10^{-6}$	$53551 \times 10^{-6}$
Output Permissible Speed		rpm	50, 100	300	200	200	200	200	200
Torsional Backlash		arcmin	50, 100	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 1$
Lost Motion		arcmin	50, 100	2(0.033°)					
Repetitive Positioning Accuracy		arcsec	50, 100	$\pm 10(0.0028^\circ)$					
Permissible Thrust Load		N	50, 100	350	900	1200	2200	4000	4000
Permissible Moment Load		Nm	50, 100	7	18	24	45	120	100
Runout of Output Table Surface		mm	50, 100	0.01	0.01	0.015	0.015	0.02	0.025
Runout of Output Table Inner / Outer Diameter		mm	50, 100	0.01	0.01	0.015	0.015	0.02	0.025
Parallelism of Output Table		mm	50, 100	0.02	0.02	0.025	0.025	0.03	0.035
Protection Class			50, 100	IP65					
Weight		Kg	50, 100		1.7				