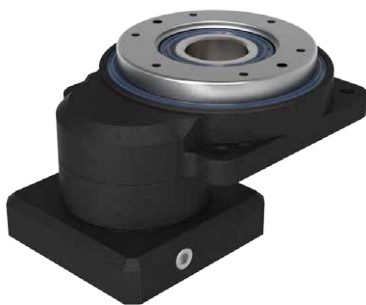
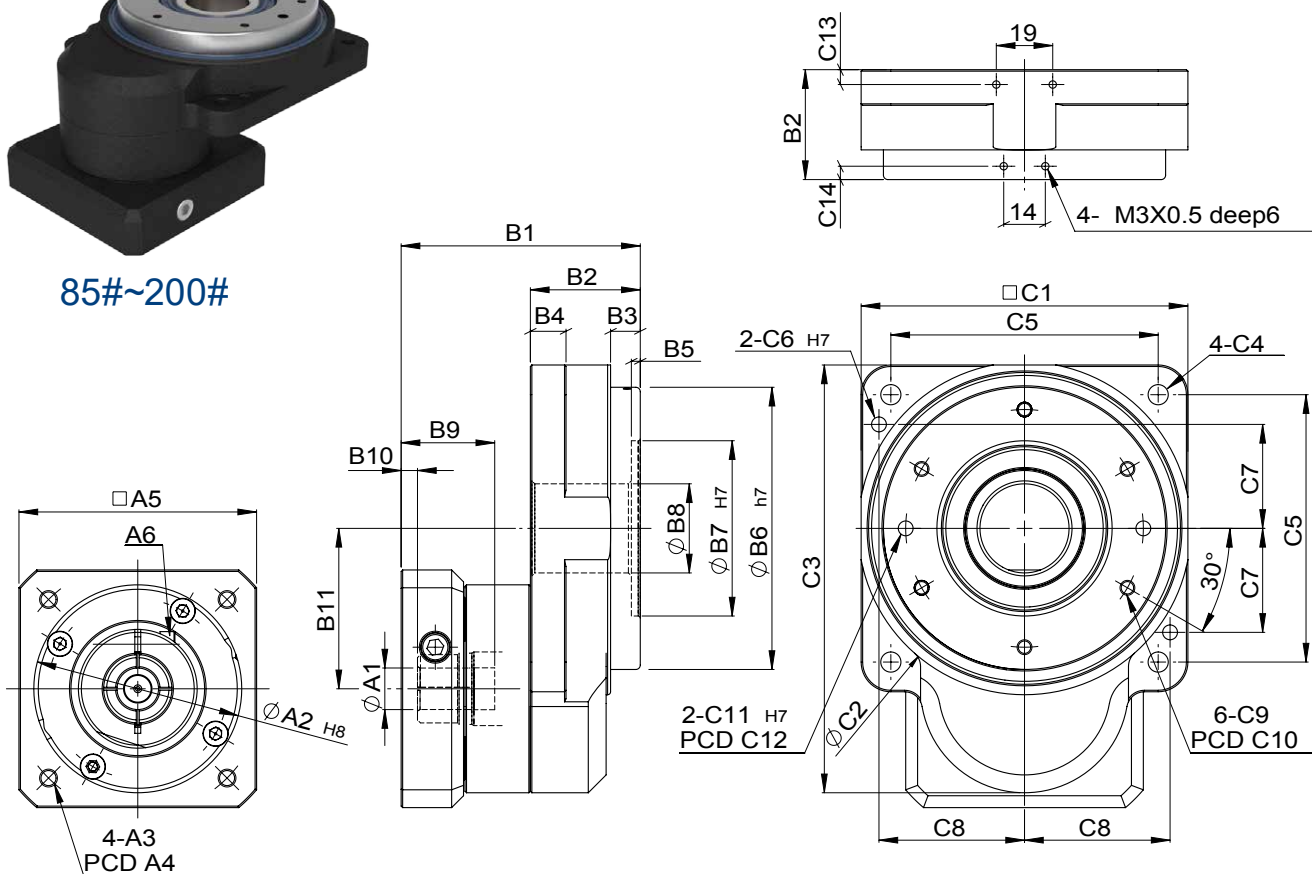


MODEL : GT-C

RATIO : 5.10.18 (1-Stage)



85#~200#



unit: mm

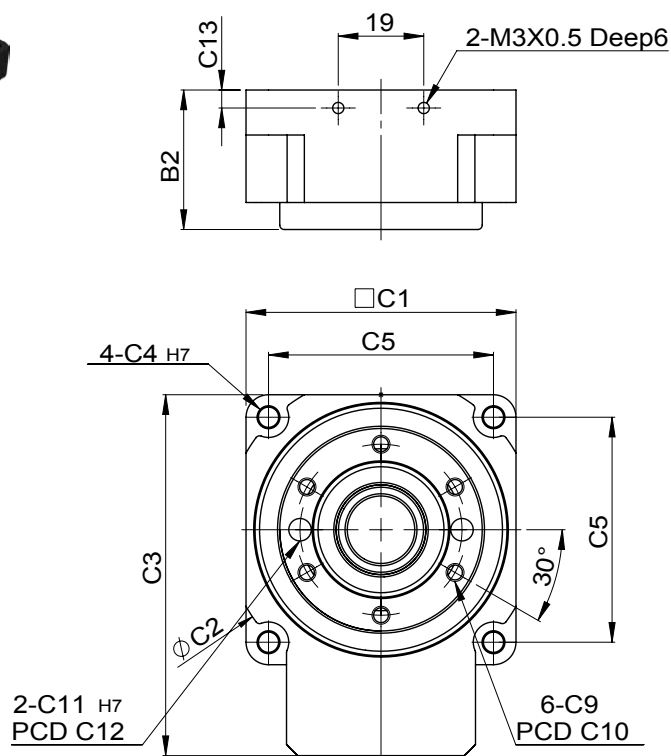
Model Code	60	85	110	135	170	200
A	A1	8	8 · 14	14	14 · 19	19 · 24
	A2	30 · 40 · 50	30 · 40 · 50	50 · 60 · 70	50 · 60 · 70	70 · 80 · 95 · 110
	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8
	A4	46 · 63 · 60	46 · 63 · 60	70 · 75 · 90	70 · 75 · 90	90 · 100 · 115 · 145
	A5	46 · 55	46 · 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	B1	66	78.5	82.5	98	115.5 · 128.5
	B2	31	36.5	37	42	60
	B3	6	13.5	10	9	6
	B4	10	10	12	15	36
	B5	2	3	3	3	6
	B6	45	70	95	115	135
	B7	30	52	59	92	104
	B8	15	22	30	50	85
	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
C	C1	60	85	110	135	170
	C2	69	87	112	138	176
	C3	80.2	110.1	144	169.1	227.5
	C4	4.5	5.5	6.8	9	11
	C5	50	70	90	110	145
	C6	-	4	5	5	6
	C7	-	28	35	45	60
	C8	-	38	49	60	72.5
	C9	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M8 x 1.25
	C10	38	62.5	80	104	120
	C11	5 deep6	5 deep6	5 deep6	5 deep5	6 deep8
	C12	36	62.5	80	104	120
	C13	4	4	5	5.5	-
	C14	-	5	4.5	4	-

Characteristic of GT-C 1-Stage Series

GT-C



60#



GT-C 1-Stage

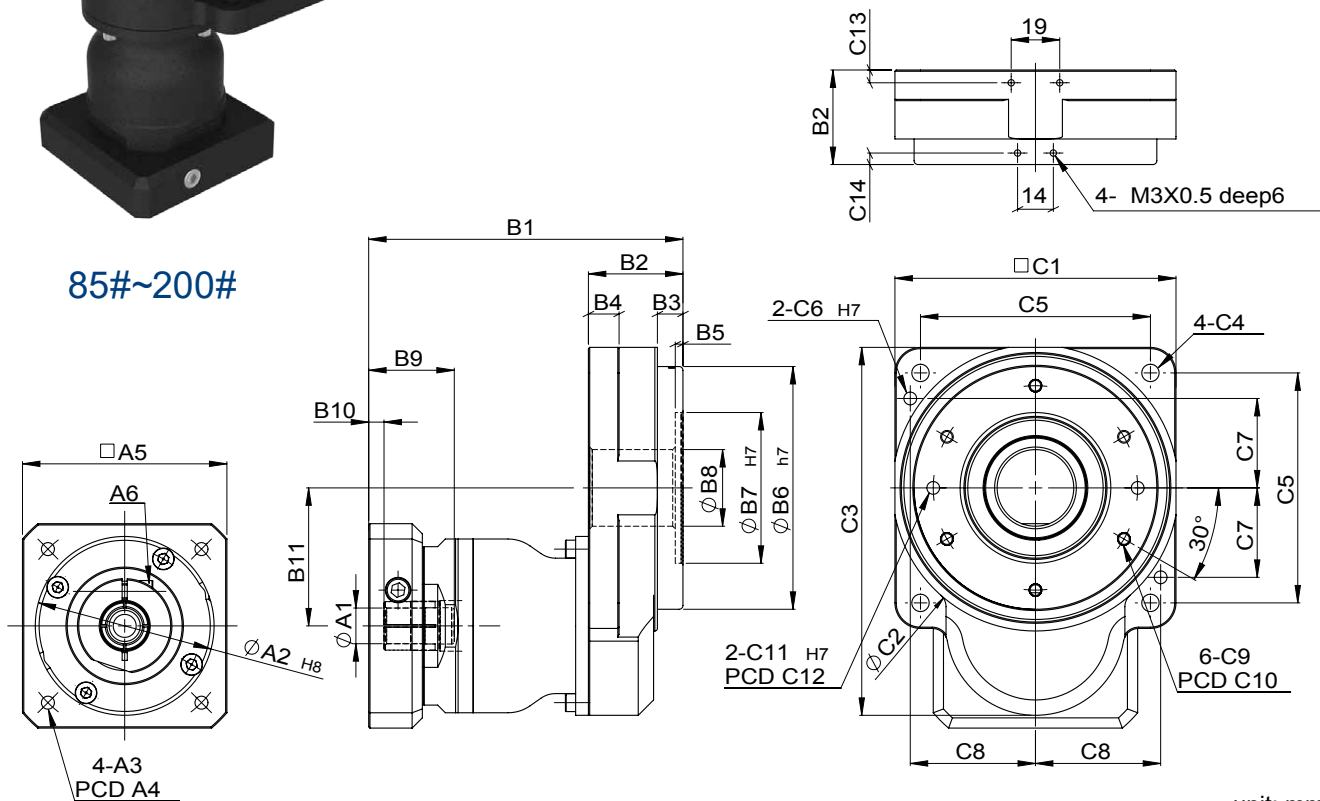
Characteristic		Unit	Ratio	60C	85C	110C	135C	170C	200C
/			5~18	/ Crossed Roller Bearing					
Output Table Supporting Bearing									
/ Rated Output Torque (Nominal output torque)	T_{2N}	Nm	5	5	18	33	43	100	142
			10	4	14	26	34	-	112
			18	3	10	19	25	-	85
/ Max. Acceleration Torque	T_{2B}	Nm	5~18	1.5 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 ²	5~18	735×10^{-7}	1203×10^{-6}	1483×10^{-6}	2772×10^{-6}	27619×10^{-6}	27619×10^{-6}
/ Output Permissible Speed		rpm	5~18	200	200	200	200	200	200
/ Torsional Backlash		arcmin	5~18	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 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
/ Weight		Kg	5~18	0.62	1.1	2.04	3.13		8.66

MODEL : GT-C

RATIO : 25.50.100 (2-Stage)



85#~200#



unit: mm

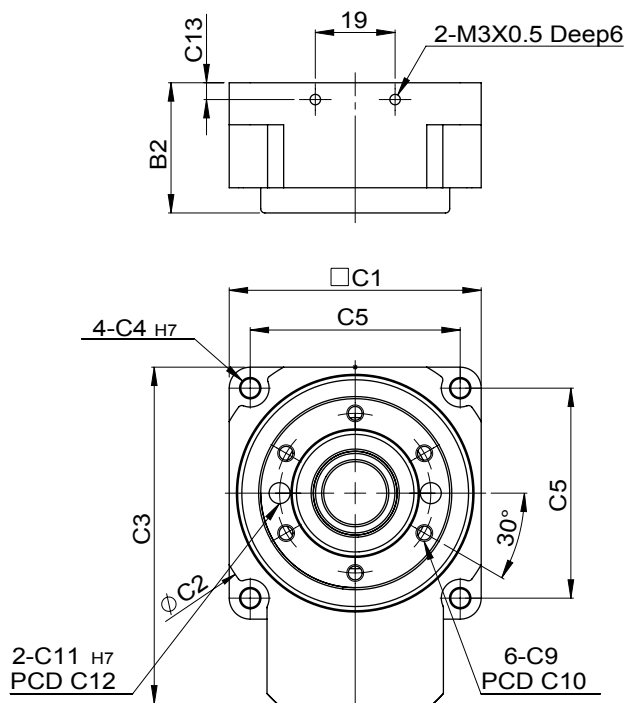
Model Code	60	85	110	135	170	200
A	A1	8	14	14	14	19
	A2	30 · 40 · 50	30 · 40 · 50	50 · 60 · 70	50 · 60 · 70	50 · 60 · 70
	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6
	A4	46 · 63 · 60	46 · 63 · 60	70 · 75 · 90	70 · 75 · 90	70 · 75 · 90
	A5	46 · 55	46 · 55	64 · 70 · 80	64 · 70 ·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

Characteristic of GT-C 2-Stage Series

GT-C



60#



GT-C

2-Stage

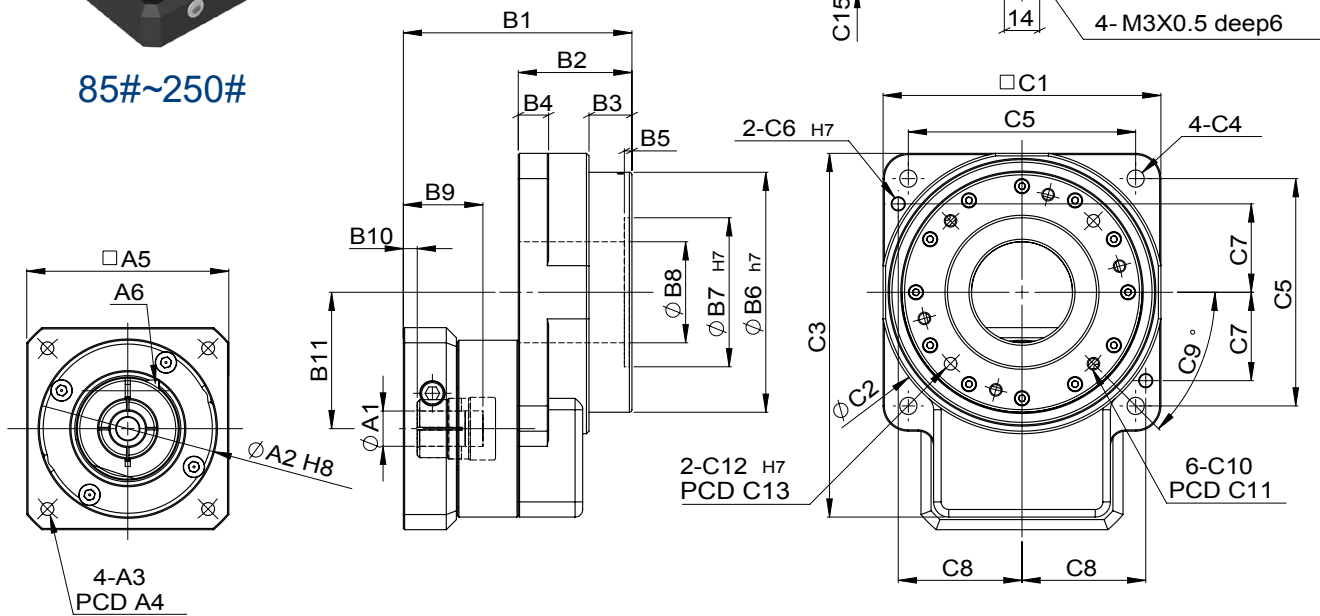
Characteristic		Unit	Ratio	60C	85C	110C	135C	170C	200C
/			25~100	/ Crossed Roller Bearing					
Output Table Supporting Bearing									
/ Rated Output Torque (Nominal output torque)	T_{2N}	Nm	25	5	18	33	43	100	142
			50	4	14	26	34	-	112
			100	4	14	26	34	-	112
/ Max. Acceleration Torque	T_{2B}	Nm	25~100	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 ²	25~100	735×10^{-7}	1203×10^{-6}	1483×10^{-6}	2772×10^{-6}	27619×10^{-6}	27619×10^{-6}
/ Output Permissible Speed		rpm	25~100	200	200	200	200	200	200
/ Torsional Backlash		arcmin	25~100	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
/ Lost Motion		arcmin	25~100	3(0.05°)					
/									
Repetitive Positioning Accuracy		arcsec	25~100	$\pm 15(0.0042^\circ)$					
/ 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
/ Weight		Kg	25~100	1.1	1.78	3.51	4.21	10.3	10.3

MODEL : GT-H

RATIO : 10.18 (1-Stage)



85#~250#



unit: mm

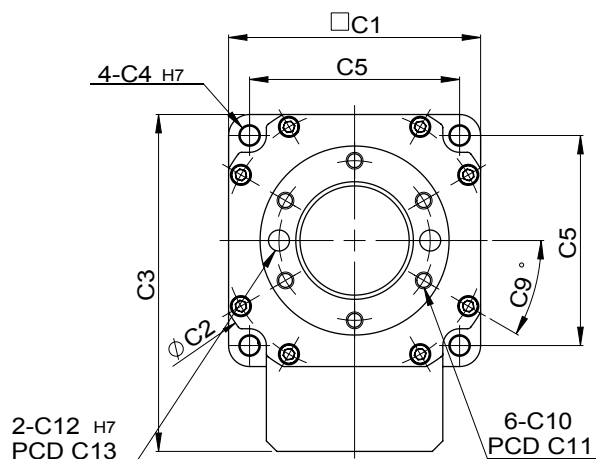
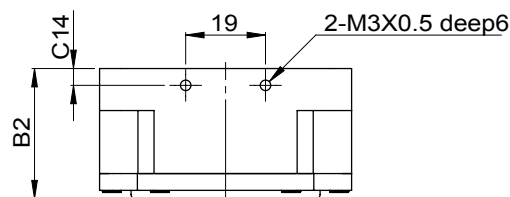
Model Code	60	85	110	135	200	250
A	A1	8	8 · 14	14	14 · 19	19 · 24
	A2	30 · 40 · 50	30 · 40 · 50	50 · 60 · 70	50 · 60 · 70	70 · 80 · 95 · 110
	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8
	A4	46 · 63 · 60	46 · 63 · 60	70 · 75 · 90	70 · 75 · 90	90 · 100 · 115 · 145
	A5	46 · 55	46 · 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	B1	66	78.5	90.5	104	125.5 · 139.5
	B2	31	38.5	45	48	70
	B3	6	13	17	12	25
	B4	10	10	12	15	20
	B5	2	3	3	3	4
	B6	45	70	95	115	170
	B7	-	52	59	92	140
	B8	26	33	40	63	100
	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	98.5
C	C1	60	85	110	135	200
	C2	69	87	112	138	202
	C3	80.2	110.1	144	169.1	248.5
	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	30	30	45	30	30
	C10	M4 x 0.7	M4 x 0.7	M5 x 0.8	M5 x 0.8	M6 x 1.0
	C11	38	62.5	80	104	155
	C12	5 deep6	5 deep6	5 deep5	5 deep5	8 deep8
	C13	36	62.5	80	104	155
	C14	4	4	5	5.5	9
	C15	-	5	4.5	6	12

Characteristic of GT-H 1-Stage Series

GT-H



60#



GT-H 1-Stage

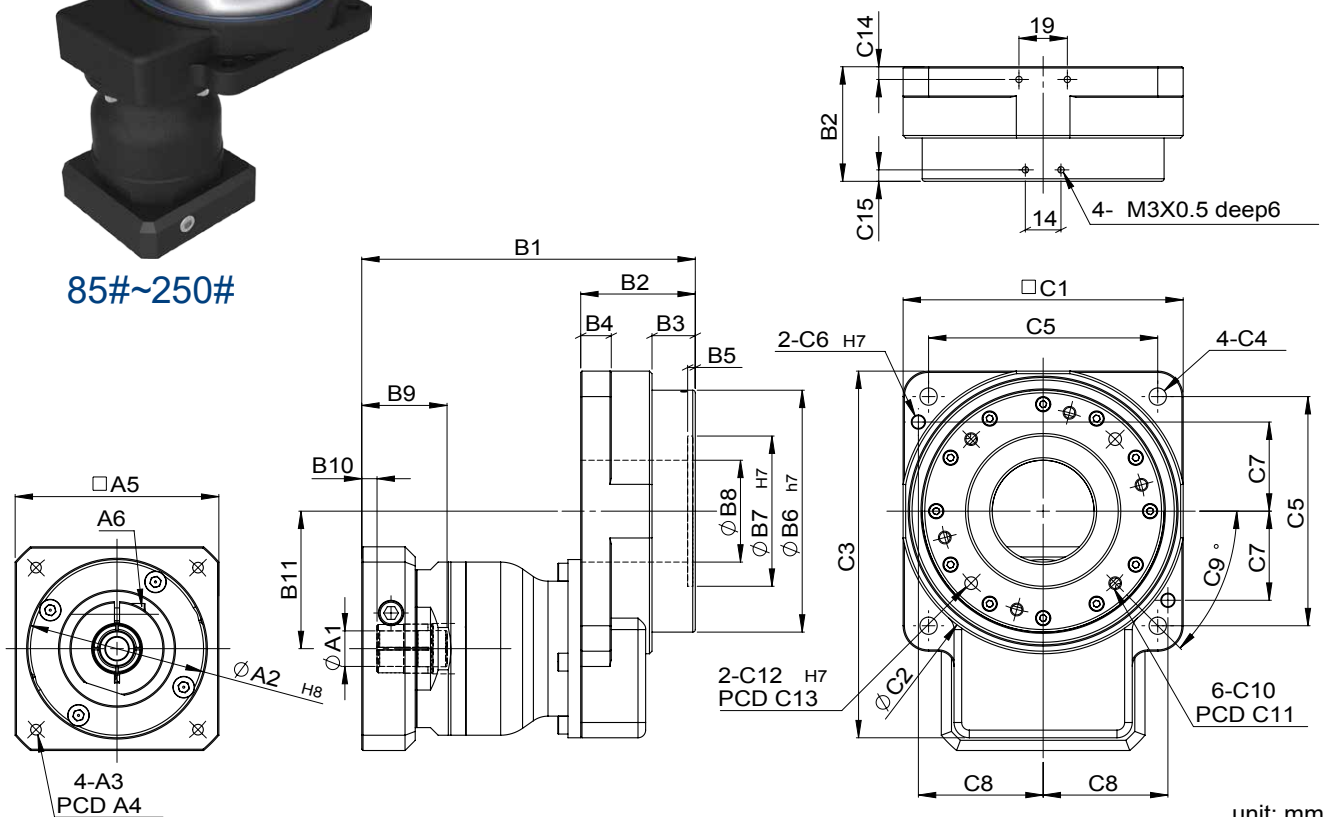
Characteristic		Unit	Ratio	60H	85H	110H	135H	200H	250H
Output Table Supporting Bearing			10 · 18	/ Ball Bearing		/ Crossed Roller Bearing			
/ Rated Output Torque (Nominal output torque)	T_{2N}	Nm	10	4	14	26	34	183	334
			18	3	10	19	25	128	234
/ Max. Acceleration Torque	T_{2B}	Nm	10 · 18	1.5 Times of Rated Output Torque					
/ Max. Output Torque / Emergency Stop Torque	T_{2NOT}	Nm	10 · 18	2 Times of Rated Output Torque					
/ Inertia Moment		kg.m ²	10 · 18	777×10^{-7}	1203×10^{-6}	1483×10^{-6}	2772×10^{-6}	27619×10^{-6}	53551×10^{-6}
/ Output Permissible Speed		rpm	10 · 18	300	200	200	200	200	200
/ Torsional Backlash		arcmin	10 · 18	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
/ Lost Motion		arcmin	10 · 18	2(0.033°)					
Repetitive Positioning Accuracy		arcsec	10 · 18	±10(0.0028°)					
/ 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
/ Weight		Kg	10 · 18					9.7	20.1

MODEL : GT-H

RATIO : 50.100 (2-Stage)



85#~250#



unit: mm

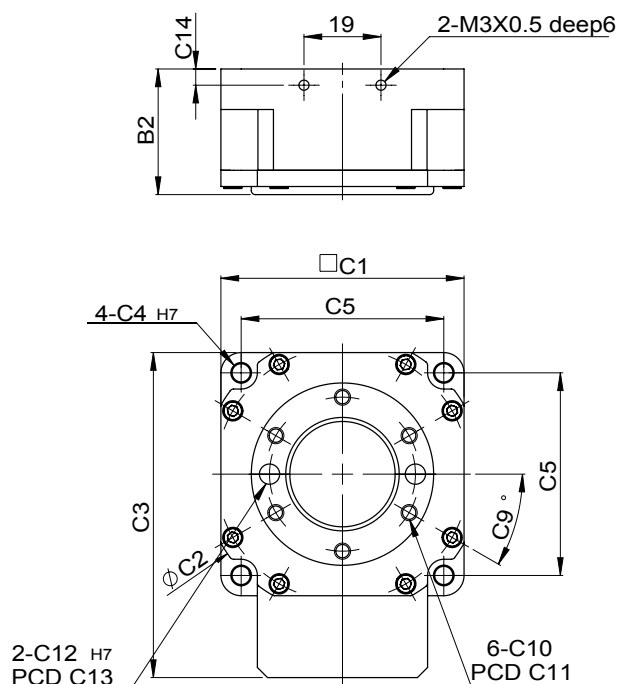
	Model Code	60	85	110	135	200	250
A	A1	8	14	14	14	19	19 · 24
	A2	30 · 40 · 50	30 · 40 · 50	50 · 60 · 70	50 · 60 · 70	50 · 60 · 70	70 · 80 · 95 · 110
	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8
	A4	46 · 63 · 60	46 · 63 · 60	70 · 75 · 90	70 · 75 · 90	70 · 75 · 90	90 · 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	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
C	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

Characteristic of GT-H 2-Stage Series

GT-H



60#



GT-H

2-Stage

Characteristic		Unit	Ratio	60H	85H	110H	135H	200H	250H
/			50 ∙ 100	/ Ball Bearing	/ Crossed Roller Bearing				
Output Table Supporting 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 ²	50 ∙ 100	777×10^{-7}	1203×10^{-6}	1483×10^{-6}	2772×10^{-6}	27619×10^{-6}	53551×10^{-6}
/ Output Permissible Speed		rpm	50 ∙ 100	300	200	200	200	200	200
/ Torsional Backlash		arcmin	50 ∙ 100	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
/ Lost Motion		arcmin	50 ∙ 100	3(0.05°)					
/									
Repetitive Positioning Accuracy		arcsec	50 ∙ 100	±15(0.0042°)					
/ 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
/ Weight		Kg	50 ∙ 100		1.7				