

LINEAR ROBOT SYSTEM

O.Beyond Automation Co., Ltd

SOL-TECH

SOL-TECH as independent brands from module enterprise department of Co.O-BEYONG, is offering unrivaled technology and active service as technology and know-how accumulated over 18years.



COMPANY INTRODUCTION

O. BEYONG AUTOMATION CO., LTD

CEO Dong-Hyung, Jang

www.sol-tech.co.kr

Tel_ +82-31-494-3369

Fax_ +82-31-494-3364

149, MTV 1-ro, Danwon-gu, Ansan-si, Gyeonggi-do, Korea

HISTORY

~ 2000	1998. 10. 05	Co.O-BEYONG established
	1999. 04. 01	Cartesian robot developed and came into the market
	2000. 09. 01	2000' COEX Automated Precision Equipment submit in an exhibition
~ 2005	2001. 11. 01	Office expansion and Factory relocation
	2002. 07. 01	The ISO 9001 acquired
	2003. 01. 01	Actuator patent Acquired for clean rooms
	2005. 01. 01	Utility model acquired
~ 2010	2006. 07. 01	SME Technology Innovation Development business operator selected
	2006. 10. 01	Research institute affiliated with company established
	2007. 06. 01	CNC glass cutting machine developed and came into the market
	2008. 03. 01	Company building relocation
	2009. 01. 01	Supported company for new technology development selected [Korea Technology Association]
	2009. 06. 01	Management Innovation SME selected [Small Business Administration]
	2009. 10. 01	CE certification acquired
~ 2015	2012. 05. 01	INNO-BIZ checked
	2013. 01. 01	Export business conducted [Japan]
	2014. 01. 01	Processing enterprise department launched
	2015. 01. 30	Company building construction and relocation
	2015. 06. 01	Export business conducted [China]





SOL-TECH



SST

CST

SBT

SOL-TECH

SOL-TECH can trust.

In the domestic market that was high dependence on imports in 1998, we supply the differentiated product through continuous research and development for localization.

Sol-tech has recognized as compact design and high durability, and has recognized the technology in the world from the exports of Singapore in 2006 to exports of Japan in 2012, It has established itself as a global brand.

Sol-tech provides affordable solutions such as grown up frame, prevented sagging through the FEM analysis and designed to easily structure of maintenance through their own know-how.

In addition, reasonable and competitive products supply by reducing the cost through the mass production.

CBT


SLS

SPS



BLM

CWL

A photograph of a warehouse aisle with tall metal shelving units. The shelves are filled with yellow bins and boxes. The image has a warm, orange-toned overlay. A dark rectangular box is positioned on the right side, containing white text.

**OVER AND ABOVE
THE PARTS OF THE MACHINES,
IN TERMS OF INNOVATION
OR THE PERFECT MOVEMENT,
IT IS ALWAYS THE PEOPLE
WHO MAKE IT POSSIBLE.**



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BALL SCREW

01

SST

... SST65 / SST80 / SST90 / SST130 / SST160 / SST210

SST (Standard Screw Type)

MODEL CONFIGURATION

Model	Base Size	Type	Lead	Motor	Stroke	Sensor	Raydent
SST	65	SI	L05	M10	50	N	N
SST	65	SI	L05	M10	50	N	N
	80	SO	L10	M20	100	AR / AL	R1
	90	PL	L20	M40	150	BR / BL	R2
	130	PR		M70	200	CR / CL	R3
	160			M10B	~		R4
	210			M20B	(50mm unit)		R5
				M40B			R6
				M70B			

1. Model

SST : Standard Screw Type

2. Base Size : Width of the base (mm)

3. Type : Direction of motor

SI : Straight In
 SO : Straight Out
 PL : Parallel Left
 PR : Parallel Right

4. Lead : Ball screw Lead

L05 : 5mm
 L10 : 10mm
 L20 : 20mm

5. Motor : Motor capacity and brake have or not

(Motor are base on the Mitsubishi. If you want to use other products, please contact the main office and agency.)

M10 : 100W M10B : 100W (Brake Type)
 M20 : 200W M20B : 200W (Brake Type)
 M40 : 400W M40B : 400W (Brake Type)
 M70 : 750W M70B : 750W (Brake Type)

6. Stroke : Transport distance

(There is a difference in permitted number of revolutions in accordance with the travel distance ball screw length. Please check the maximum speed by stroke on each product detail page.)

7. Sensor : Sensor type and direction

N : Not included (No symbol)
 AR : OMRON (EE-674) Right side equipped
 AL : OMRON (EE-674) Left side equipped
 BR : SUNX (PM-F24) Right side equipped
 BL : SUNX (PM-F24) Left side equipped
 CR : SUNX (GX-F8) Right side equipped
 CL : SUNX (GX-F8) Left side equipped

8. Raydent : Surface treatment

N : Not included (No symbol)
 R1 : LM RAIL
 R2 : LM RAIL + BLOCK
 R3 : SCREW SHAFT
 R4 : SCREW SHAFT + NUT
 R5 : LM RAIL + SCREW SHAFT
 R6 : LM RAIL + BLOCK + SCREW SHAFT + NUT

FEATURE

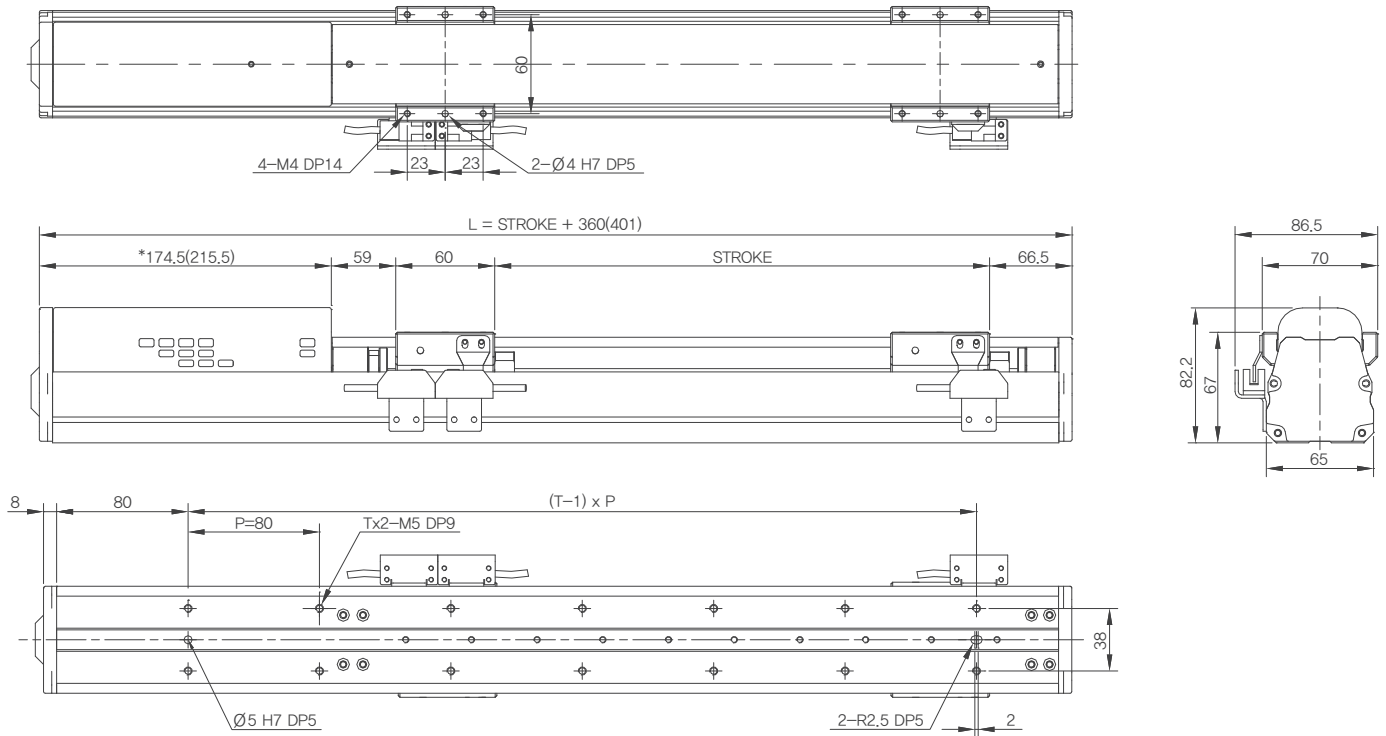
- Profiles structure of optimization through the FEM analysis
- Repetition accuracy within 0.02mm (option : within ± 0.004 mm)
- Variety of Line up
- Simple maintenance structure
- High durability for load

CAUTION

- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature (0~40°C) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.



SST65-SI



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	60	76.6/113.4	80	80

Basic Specifications

Motor	200W		
Ball Screw	Ø12 / C7		
Lead	5	10	20
Maximum load (kg)	Horizontal	10	10
	Vertical	4	2
	Wall	5	5
Product life	20,000km		
Repetition accuracy	±20µm		
LM Guide	NO,24 1RAIL 1BLOCK (wide type)		

Permissible Overhang Length

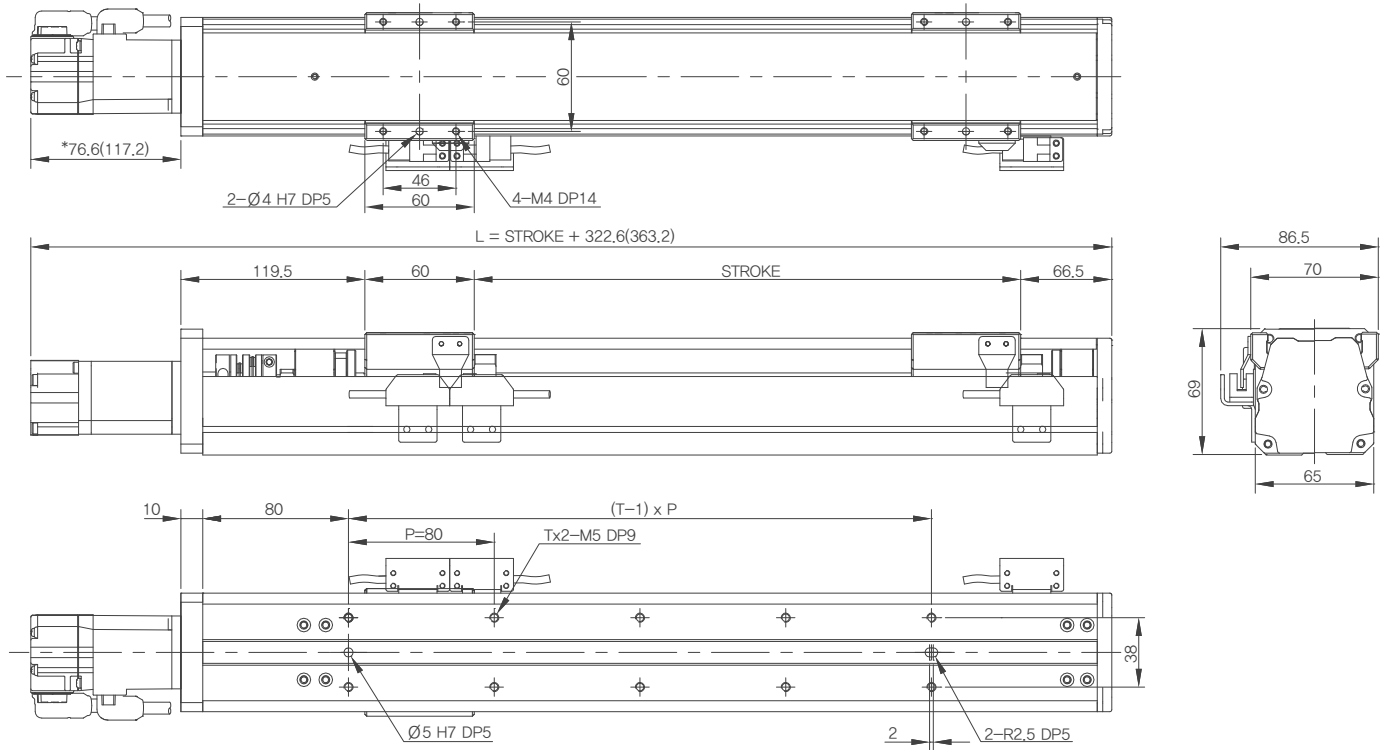
1 BLOCK		4kg	7kg	9kg
Horizontal	A	100	60	50
	B	50	30	20
	C	500	300	250
Vertical	A	34	-	-
	B	350	-	-
	C	25	-	-
Wall	A	500	220	-
	B	36	12	-
	C	80	30	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	330	-	-	-	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	870	670	-	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	3	3.5	4	4.5	5	5.5	6	6.5	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	6	7	8	10	11	12	13	-	-	-	-	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	60	76.6/113.4	80	80

Basic Specifications

Motor	200W			
Ball Screw	Ø12 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	10	10	10
	Vertical	4	4	2
	Wall	5	5	5
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO,24 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

1 BLOCK		4kg	7kg	9kg
Horizontal	A	100	60	50
	B	50	30	20
	C	500	300	250
Vertical	A	34	-	-
	B	350	-	-
	C	25	-	-
Wall	A	500	220	-
	B	36	12	-
	C	80	30	-

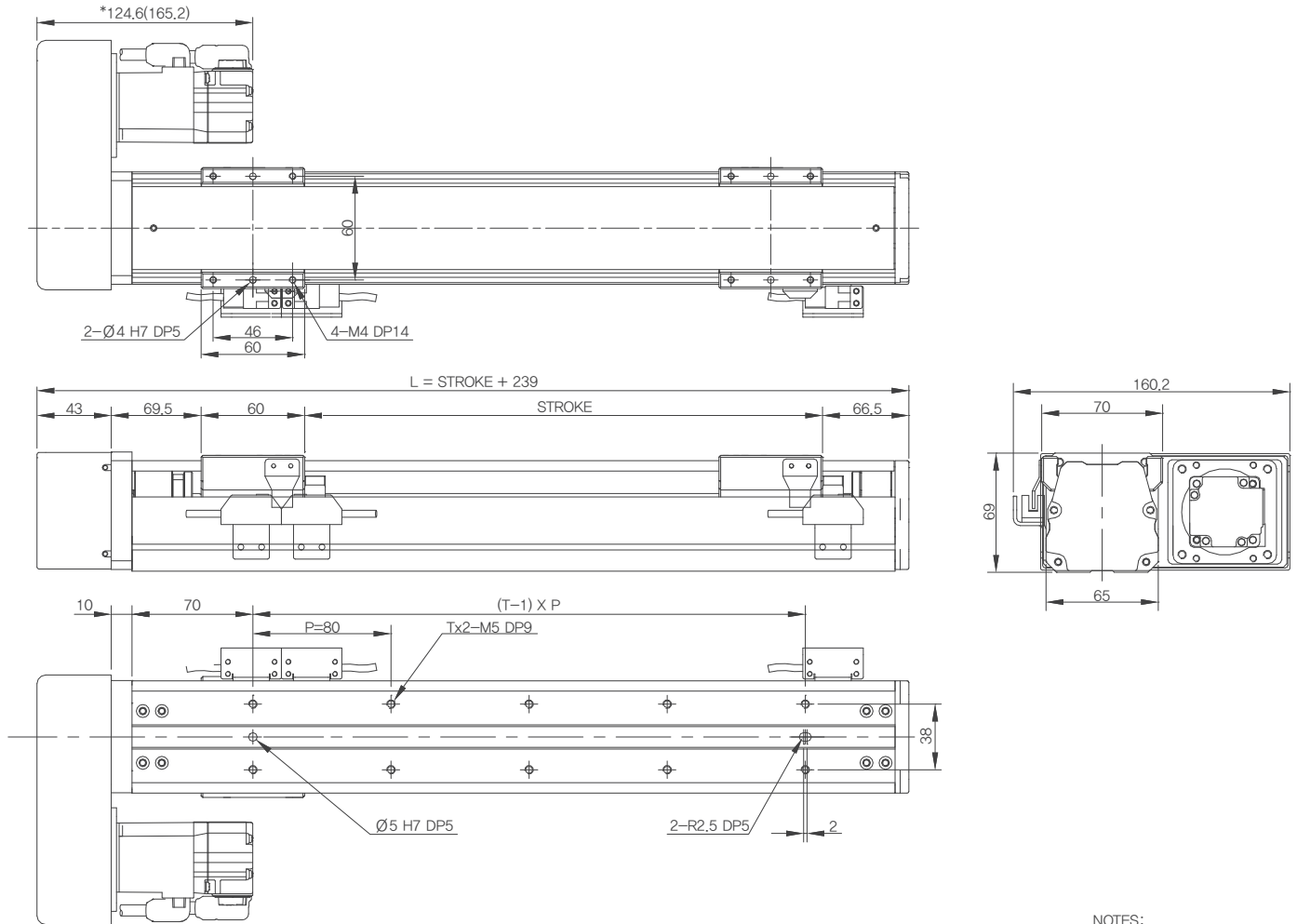
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	330	-	-	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	870	670	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	3	3.5	4	4.5	5	5.5	6	6.5	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	5	6	7	8	10	11	12	-	-	-	-	-	-	-	-	-	-	-	-

SST65-PL(R)



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	60	76.6/113.4	70	80

Basic Specifications

Motor	200W		
Ball Screw	Ø12 / C7		
Lead	5	10	20
Maximum load (kg)	Horizontal	10	10
	Vertical	4	2
	Wall	5	5
Product life	20,000km		
Repetition accuracy	±20µm		
LM Guide	NO,24 1RAIL 1BLOCK (wide type)		

Permissible Overhang Length

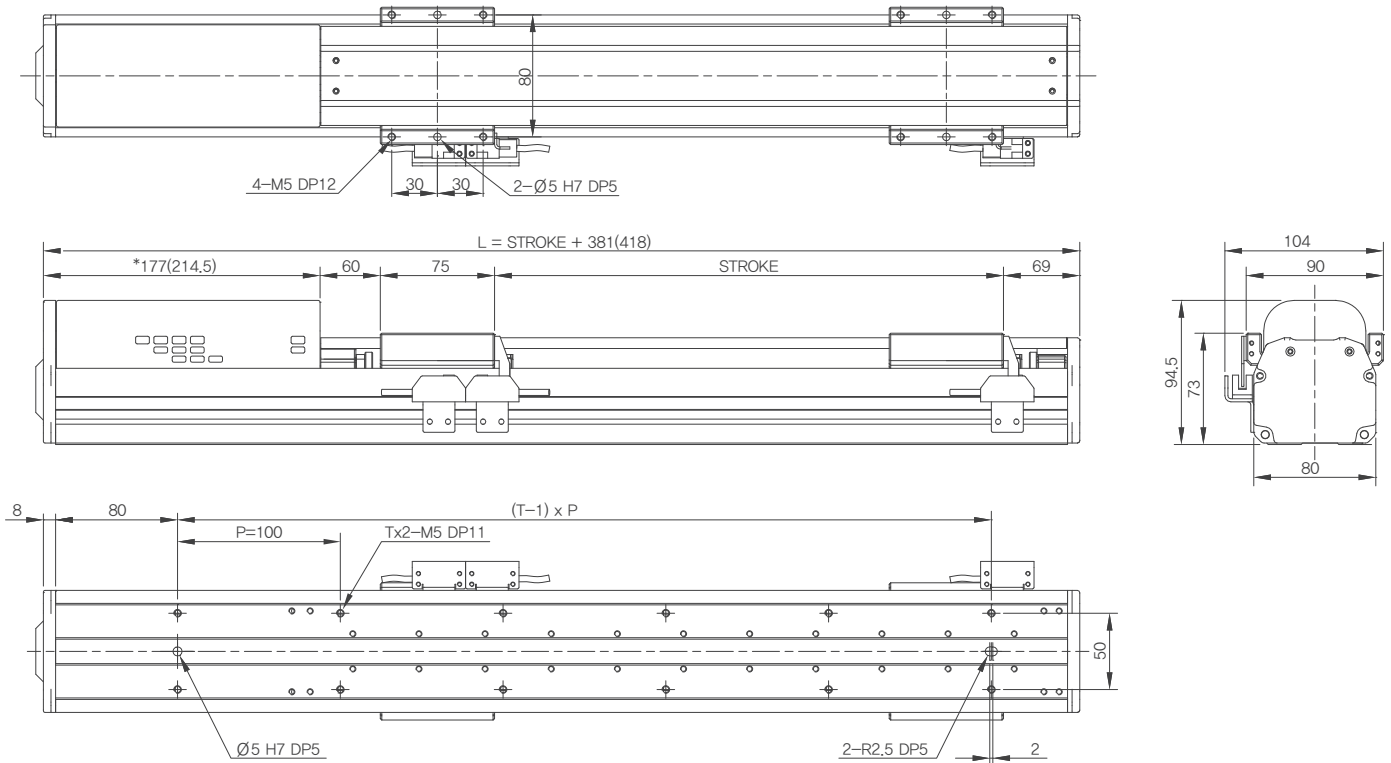
1 BLOCK		4kg	7kg	9kg
Horizontal	A	100	60	50
	B	50	30	20
	C	500	300	250
Vertical	A	34	-	-
	B	350	-	-
	C	25	-	-
Wall	A	500	220	-
	B	36	12	-
	C	80	30	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	330	-	-	-	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	870	670	-	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	3	3.5	4	4.5	5	5.5	6	6.5	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	7	8	9	10	12	-	-	-	-	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	75	76.6/113.4	80	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	15	15	10
	Vertical	8	8	6
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO,42 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

1 BLOCK		5kg	9kg	14kg
Horizontal	A	300	170	100
	B	80	40	20
	C	800	500	300
Vertical	A	73	-	-
	B	800	-	-
	C	60	-	-
Wall	A	850	450	-
	B	70	30	-
	C	250	100	-

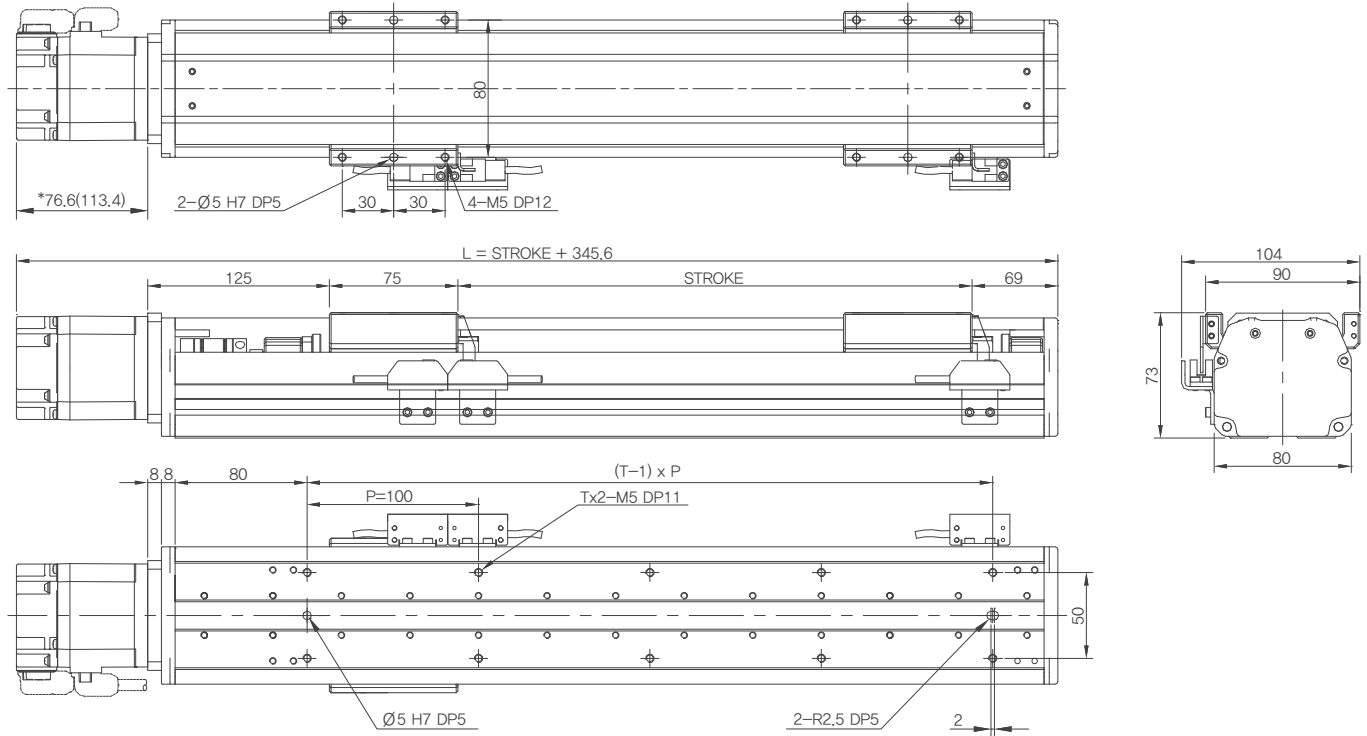
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	4.2	4.8	5.4	6	6.5	7.1	7.7	8.3	8.8	9.4	10	10.6	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	-	-	-	-	-	-	-	-

SST80-SO



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	75	76.6/113.4	80	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	15	15	10
	Vertical	8	8	6
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.42 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

		1 BLOCK	5kg	9kg	14kg
Horizontal	A		300	170	100
	B		80	40	20
	C		800	500	300
Vertical	A		73	-	-
	B		800	-	-
	C		60	-	-
Wall	A		850	450	-
	B		70	30	-
	C		250	100	-

*Measuring conditions : Speed 500mm/s, Stroke 500

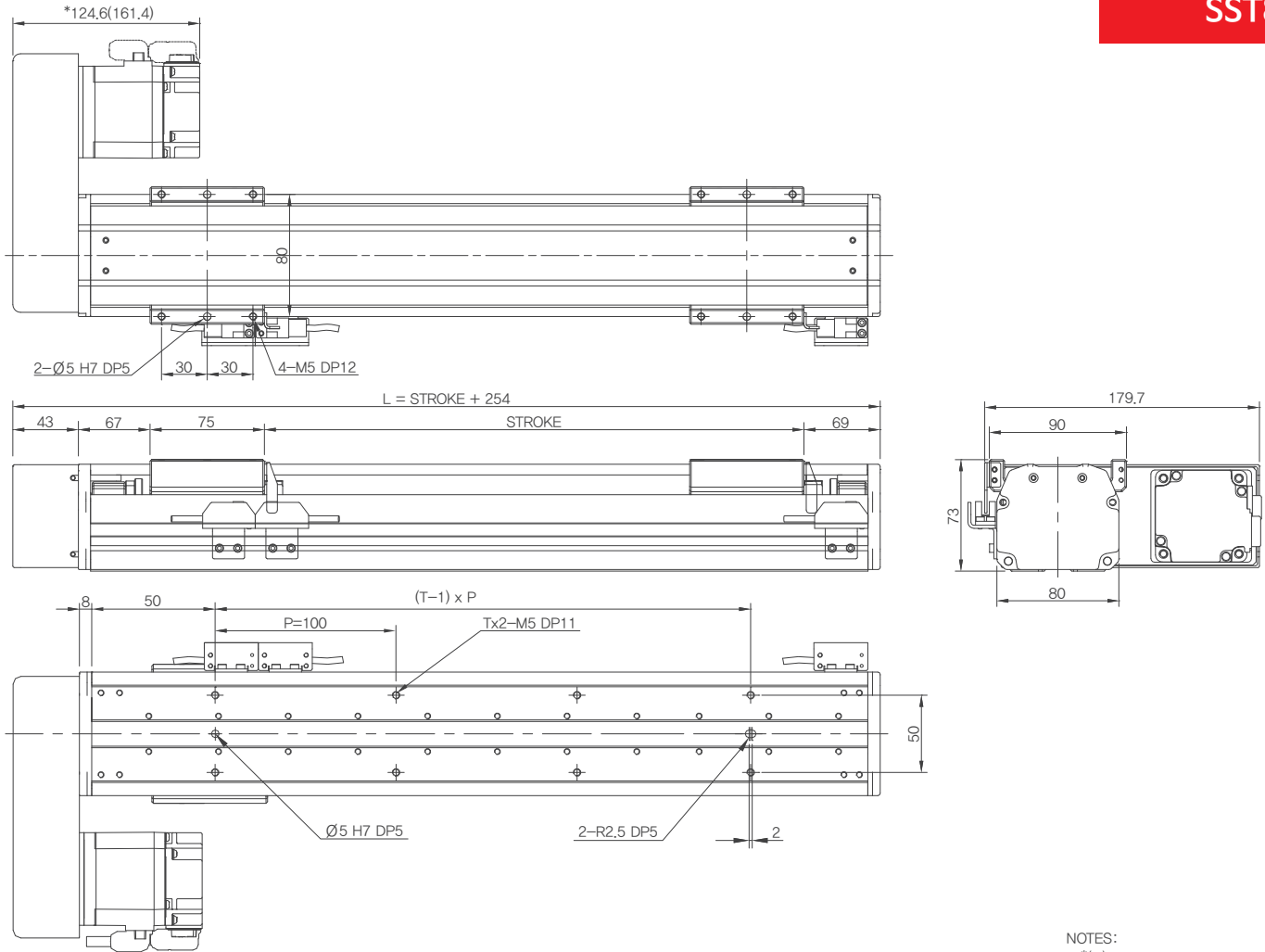
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)	4.2	4.8	5.4	6	6.5	7.1	7.7	8.3	8.8	9.4	10	10.6	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-

SST80-PL(R)

01
SST80



NOTES:
- * () Brake Motor Dimension
- M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	75	76.6/113.4	50	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	15	15	10
	Vertical	8	8	6
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO,42 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

		1 BLOCK	5kg	9kg	14kg
Horizontal	A		300	170	100
	B		80	40	20
	C		800	500	300
Vertical	A		73	-	-
	B		800	-	-
	C		60	-	-
Wall	A		850	450	-
	B		70	30	-
	C		250	100	-

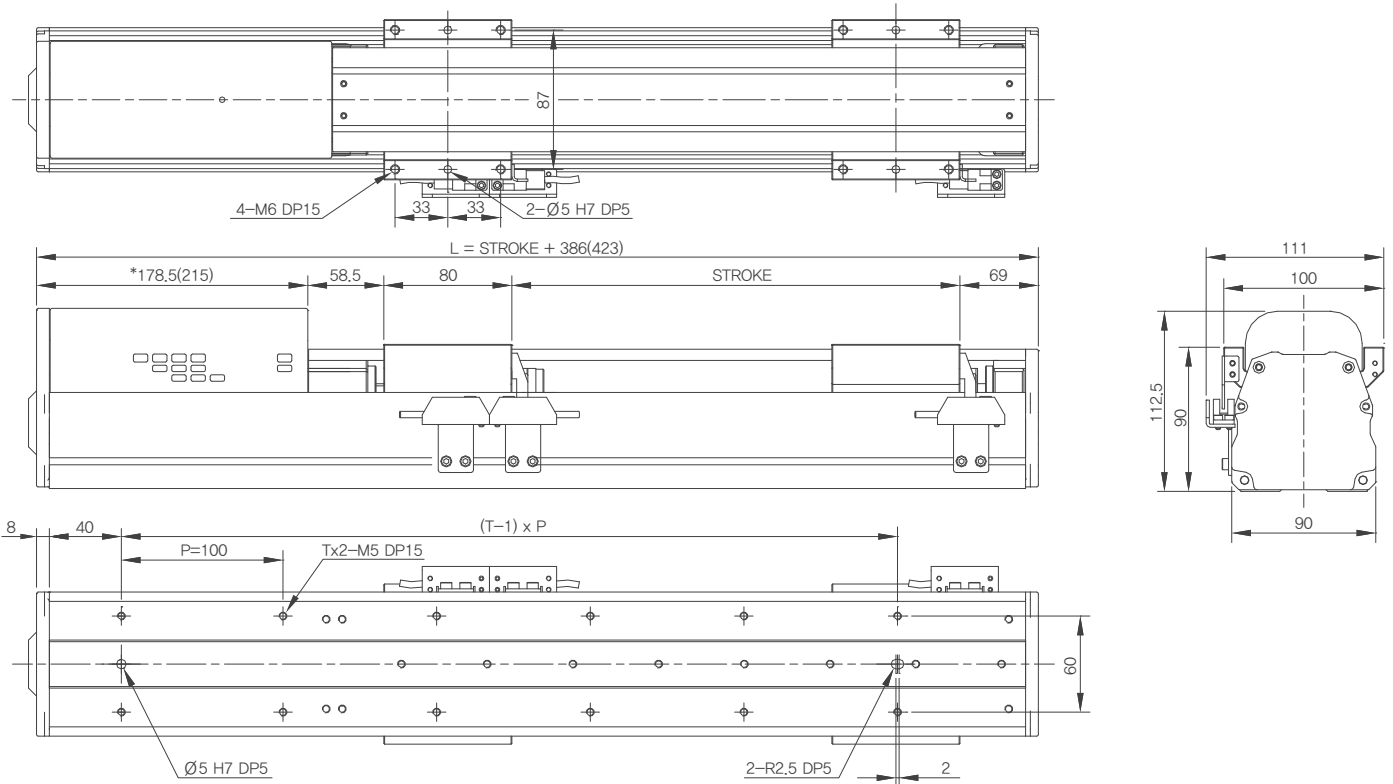
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	4.2	4.8	5.4	6	6.5	7.1	7.7	8.3	8.8	9.4	10	10.6	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-

SST90-SI



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	80	76.6/113.4	40	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 1RAIL 1BLOCK			

Permissible Overhang Length

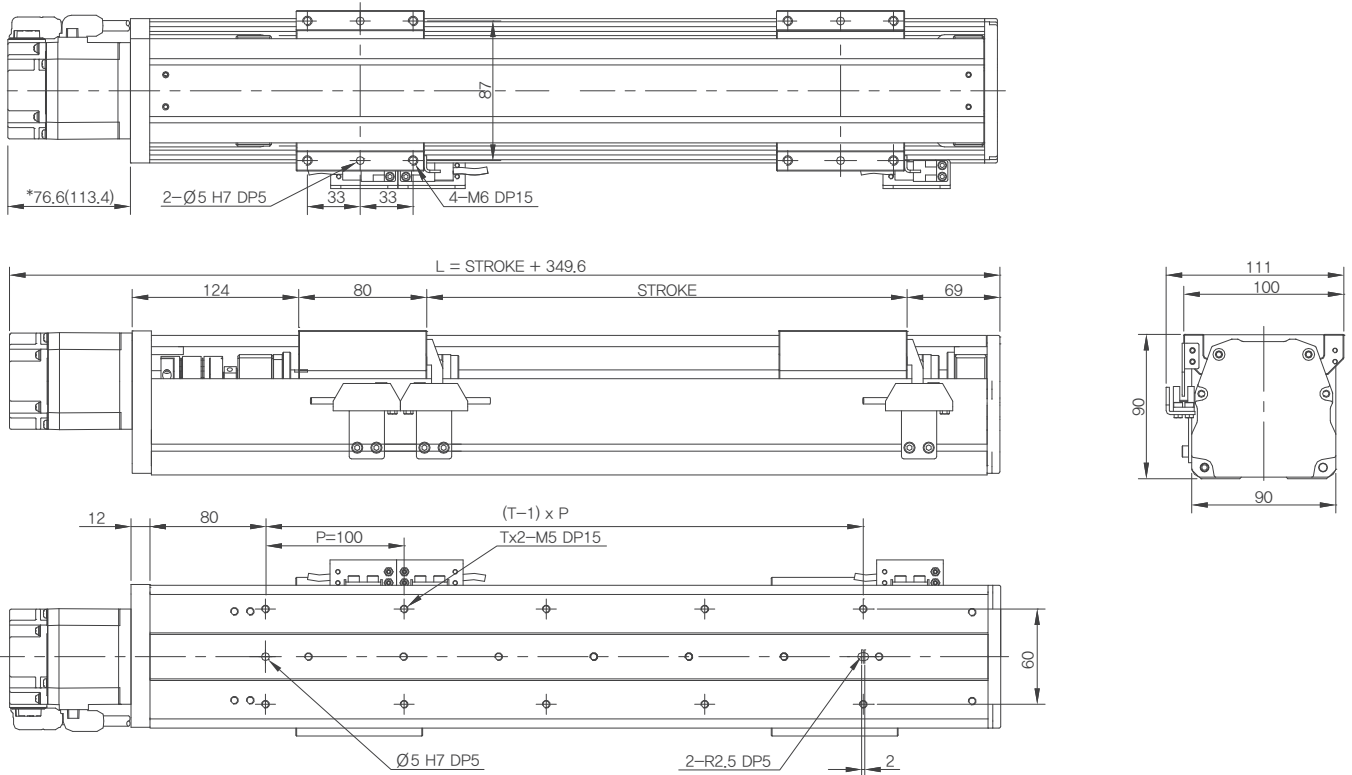
1 BLOCK		9kg	14kg	18kg
Horizontal	A	140	70	40
	B	140	90	40
	C	1100	800	700
Vertical	A	130	60	30
	B	1100	800	700
	C	150	120	90
Wall	A	1100	800	-
	B	100	45	-
	C	120	70	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.5	12.3	13.1	13.9	14.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	6	7	8	9	10	11	12	13	14	15	16	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	80	76.6/113.4	80	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 1RAIL 1BLOCK			

Permissible Overhang Length

1 BLOCK		9kg	14kg	18kg
Horizontal	A	140	70	40
	B	140	90	40
	C	1100	800	700
Vertical	A	130	60	30
	B	1100	800	700
	C	150	120	90
Wall	A	1100	800	-
	B	100	45	-
	C	120	70	-

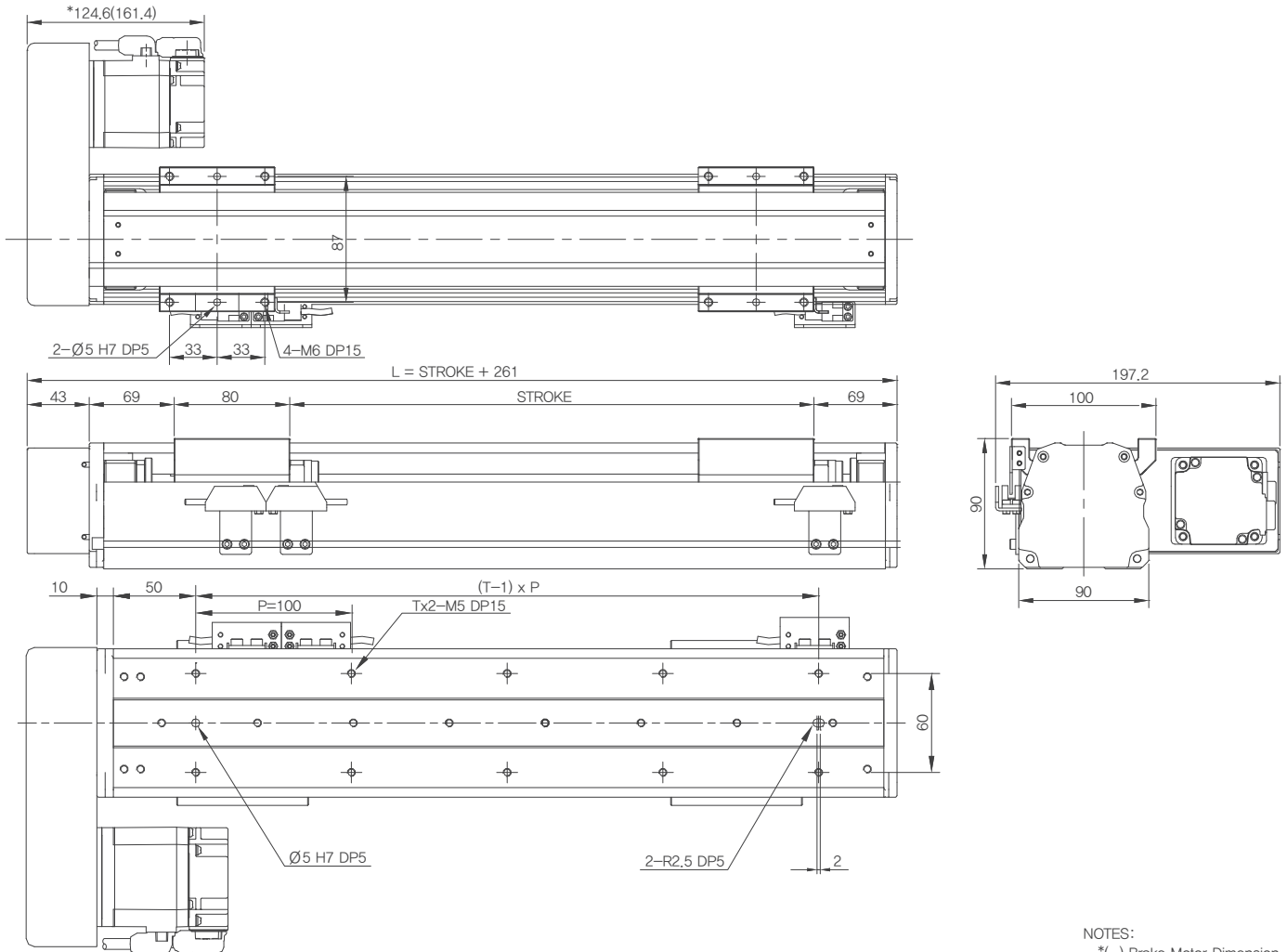
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.5	12.3	13.1	13.9	14.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-

SST90-PL(R)



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	80	76.6/113.4	50	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 1RAIL 1BLOCK			

Permissible Overhang Length

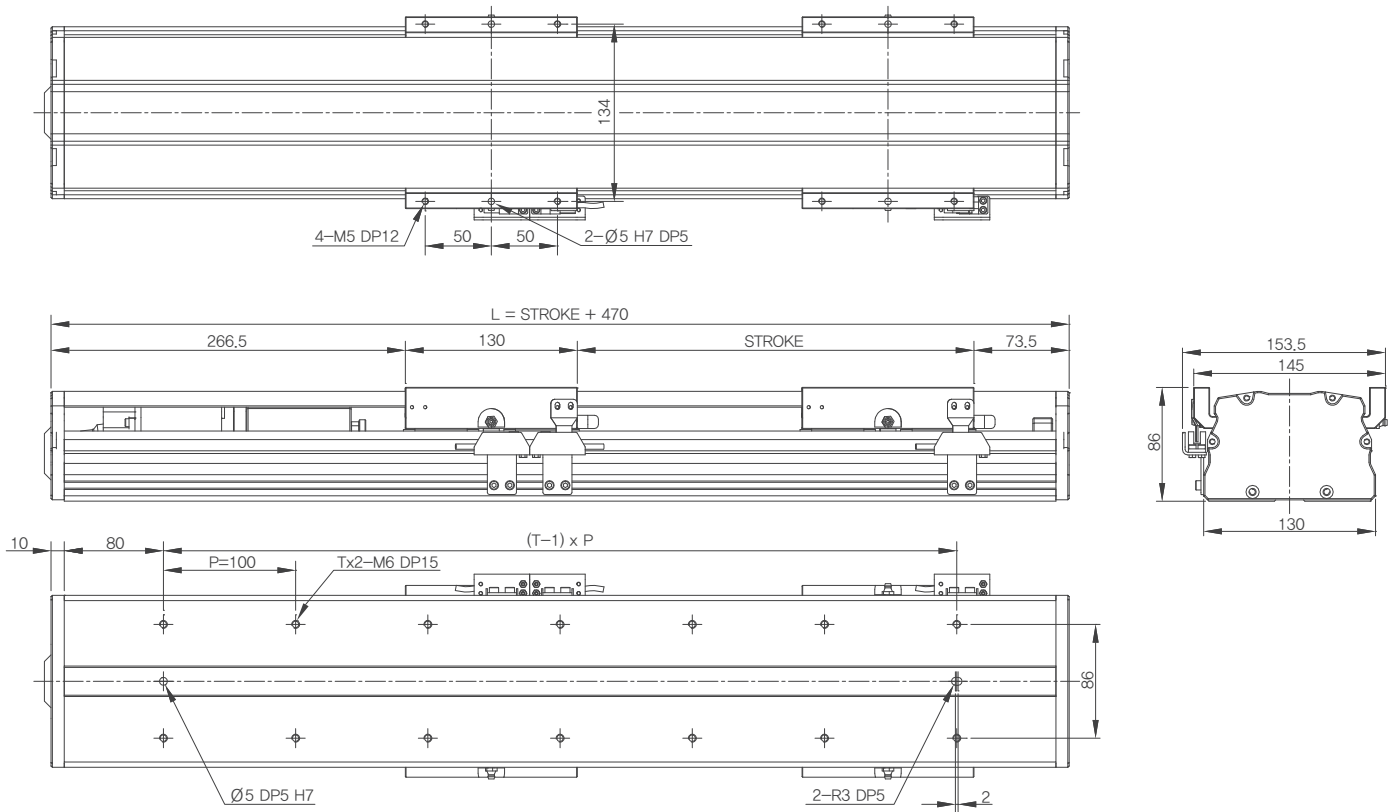
1 BLOCK		9kg	14kg	18kg
Horizontal	A	140	70	40
	B	140	90	40
	C	1100	800	700
Vertical	A	130	60	30
	B	1100	800	700
	C	150	120	90
Wall	A	1100	800	-
	B	100	45	-
	C	120	70	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.5	12.3	13.1	13.9	14.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	130	98.3/135.1	80	100

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	50	30
	Vertical	50	25	13
	Wall	60	40	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		18kg	35kg	45kg
Horizontal	A	720	360	280
	B	570	265	210
	C	1600	1000	700
Vertical	A	350	160	130
	B	1600	1000	700
	C	500	210	150
Wall	A	1600	1000	700
	B	350	155	100
	C	600	340	160

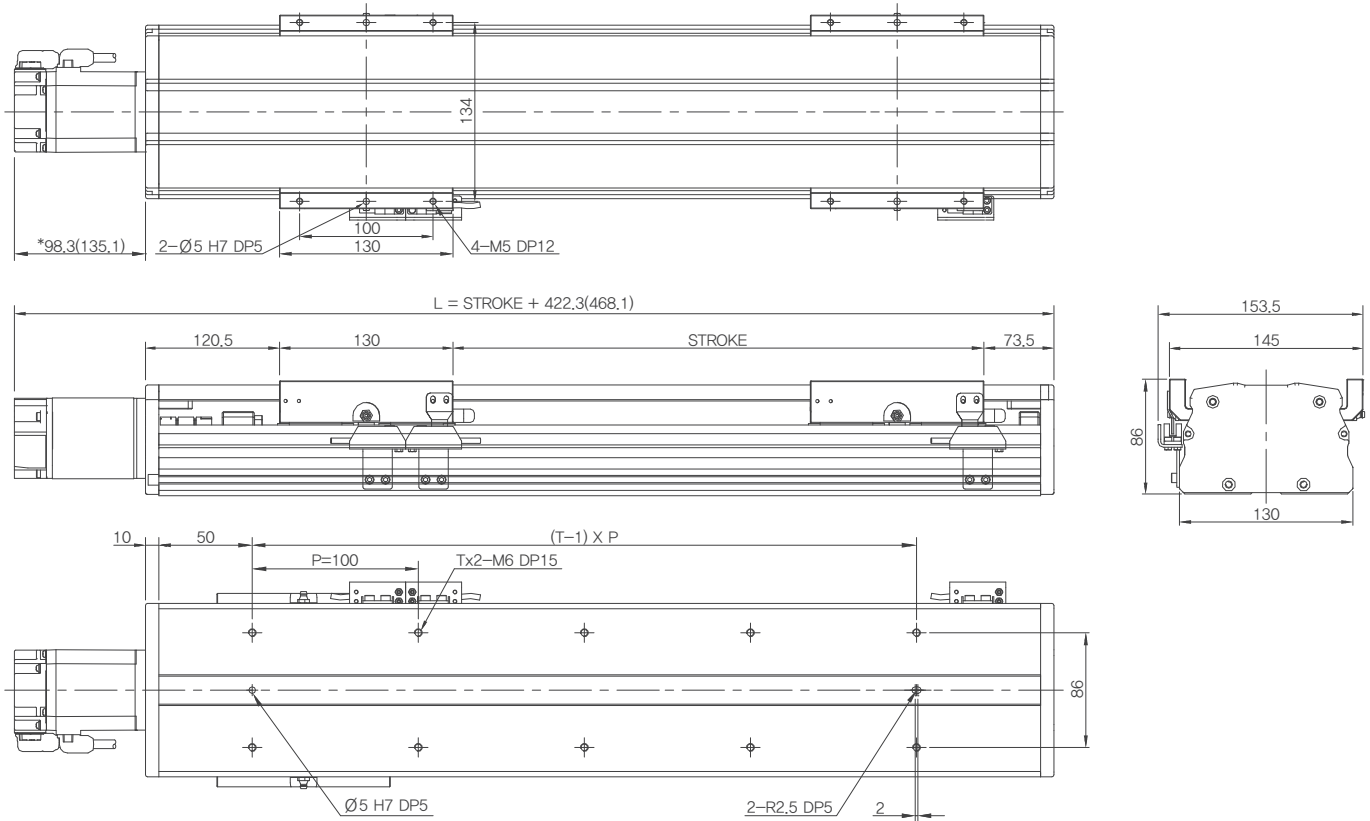
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	7.5	8.7	9.9	11.1	12.3	13.5	14.7	15.9	17.1	18.3	19.5	20.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	6	7	8	9	10	11	12	13	14	15	16	-	-	-	-	-	-	-	-

SST130-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	130	98.3/135.1	50	100

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	50	30
	Vertical	50	25	13
	Wall	60	40	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		18kg	35kg	45kg
Horizontal	A	720	360	280
	B	570	265	210
	C	1600	1000	700
Vertical	A	350	160	130
	B	1600	1000	700
	C	500	210	150
Wall	A	1600	1000	700
	B	350	155	100
	C	600	340	160

*Measuring conditions : Speed 500mm/s, Stroke 500

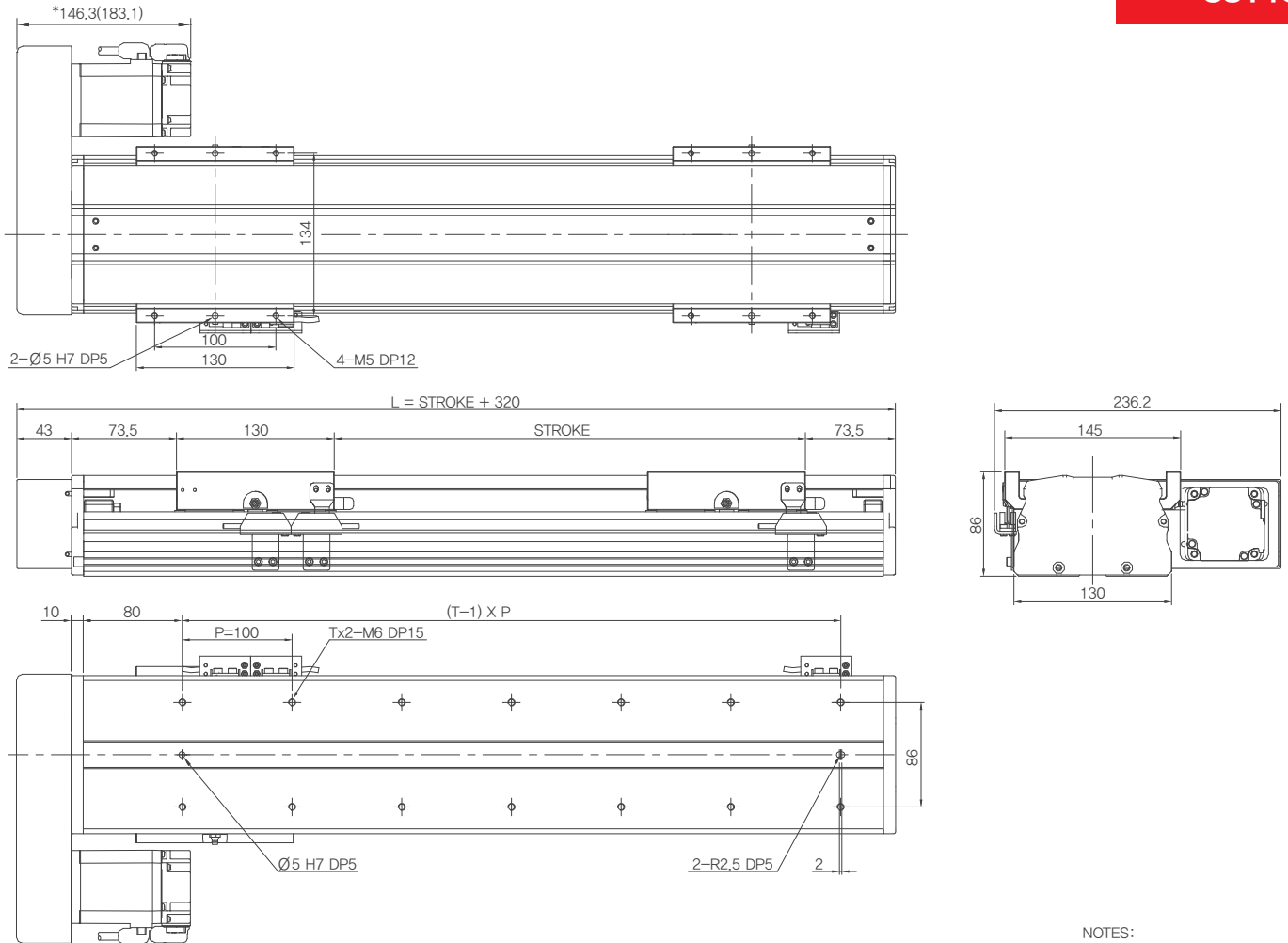
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)	7.5	8.7	9.9	11.1	12.3	13.5	14.7	15.9	17.1	18.3	19.5	20.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	-	-	-	-	-	-	-	-

SST130-PL(R)

01
SST130



NOTES:
- * () Brake Motor Dimension
- M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	130	98.3/135.1	80	100

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	50	30
	Vertical	50	25	13
	Wall	60	40	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		18kg	35kg	45kg
Horizontal	A	720	360	280
	B	570	265	210
	C	1600	1000	700
Vertical	A	350	160	130
	B	1600	1000	700
	C	500	210	150
Wall	A	1600	1000	700
	B	350	155	100
	C	600	340	160

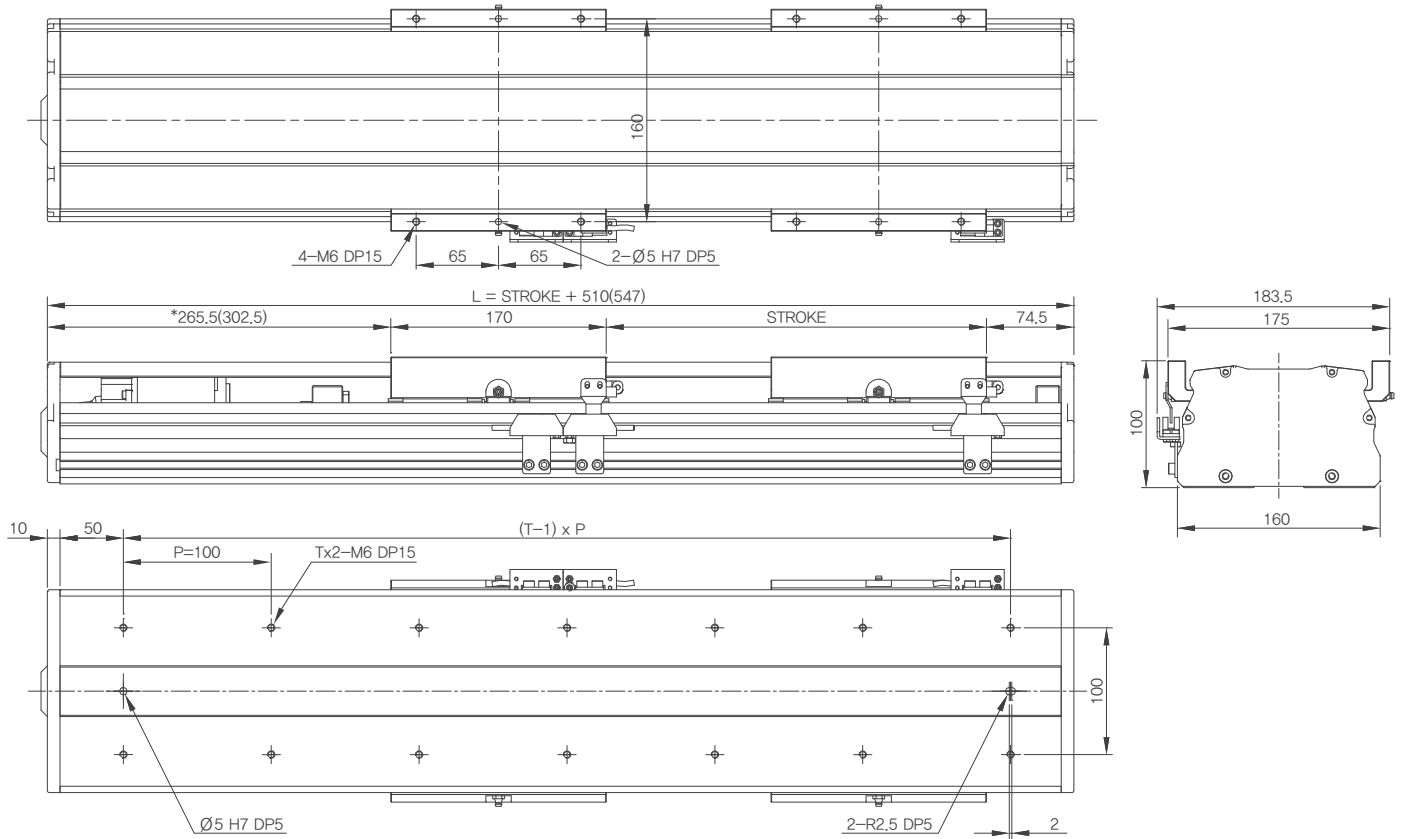
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	7.5	8.7	9.9	11.1	12.3	13.5	14.7	15.9	17.1	18.3	19.5	20.7	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-

SST160-SI



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	170	98.3/135.1	50	100

Basic Specifications

Motor	400W		
Ball Screw	Ø20 / C7		
Lead	5	10	20
Maximum load (kg)	Horizontal	100	50
	Vertical	50	13
	Wall	100	40
Product life	20,000km		
Repetition accuracy	±20µm		
LM Guide	NO.20 2RAIL 4BLOCK		

Permissible Overhang Length

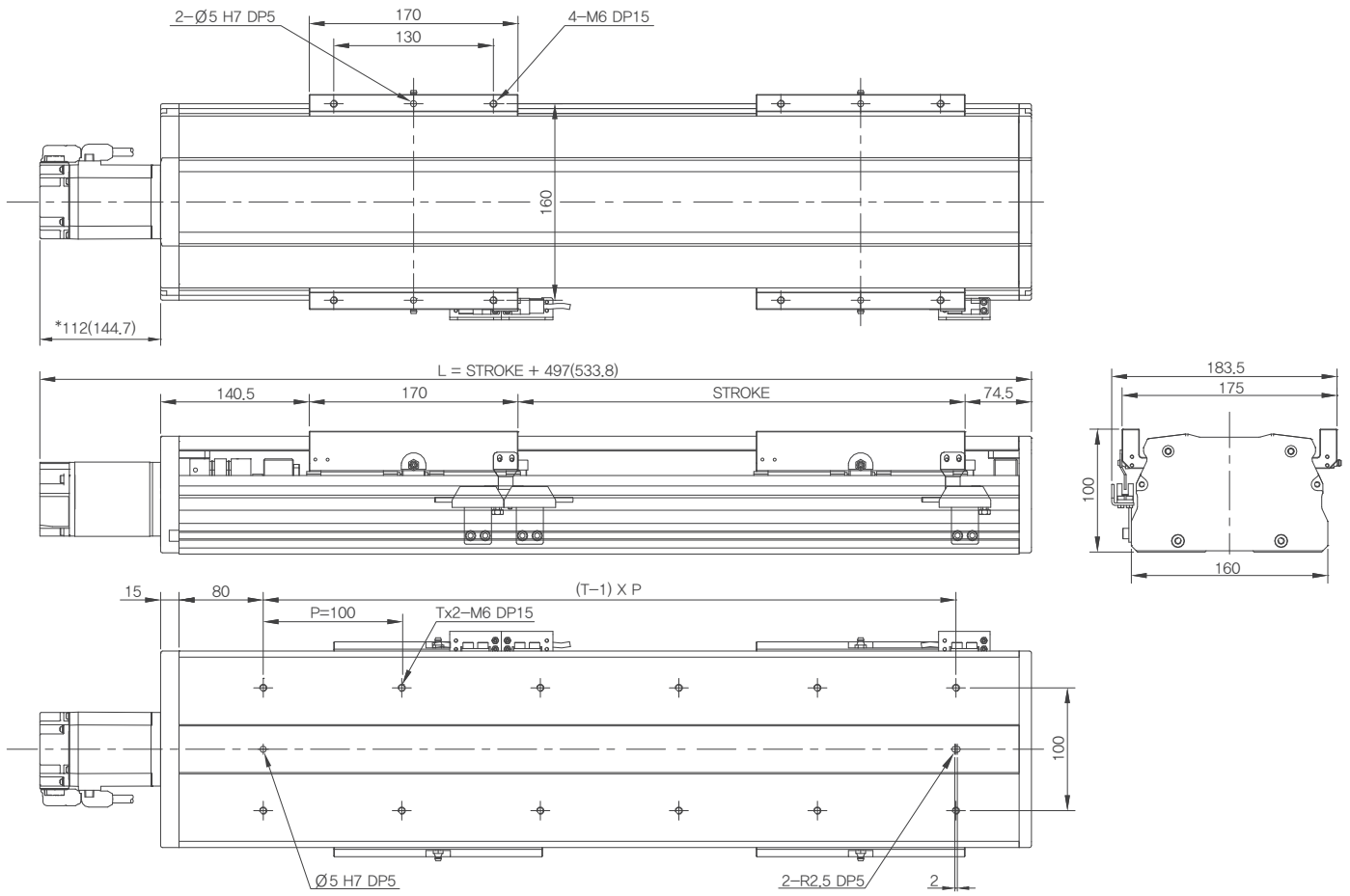
4 BLOCK		35kg	65kg	85kg
Horizontal	A	900	460	340
	B	600	310	250
	C	1000	580	450
Vertical	A	640	360	280
	B	1000	580	250
	C	590	290	200
Wall	A	1000	580	250
	B	600	300	200
	C	850	490	310

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	220	180	150	125	105	90	80	70	-	-	-	-
	L10	500	500	500	500	500	500	500	440	360	300	250	210	185	160	140	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	320	280	-	-	-
Product weight (kg)	13.5	15.4	17.3	19.2	21.1	23	25	26.9	28.8	30.7	32.7	34.6	36.5	38.4	40.3	42.2	-	-	-	-
Rear surface tab (T)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	170	112/152.3	80	100

Basic Specifications

Motor	750W		
Ball Screw	Ø20 / C7		
Lead	5	10	20
Maximum load (kg)	Horizontal	100	50
	Vertical	50	13
	Wall	100	40
Product life	20,000km		
Repetition accuracy	±20µm		
LM Guide	NO.20 2RAIL 4BLOCK		

Permissible Overhang Length

		4 BLOCK	35kg	65kg	85kg
Horizontal	A		900	460	340
	B		600	310	250
	C		1000	580	450
Vertical	A		640	360	280
	B		1000	580	250
	C		590	290	200
Wall	A		1000	580	250
	B		600	300	200
	C		850	490	310

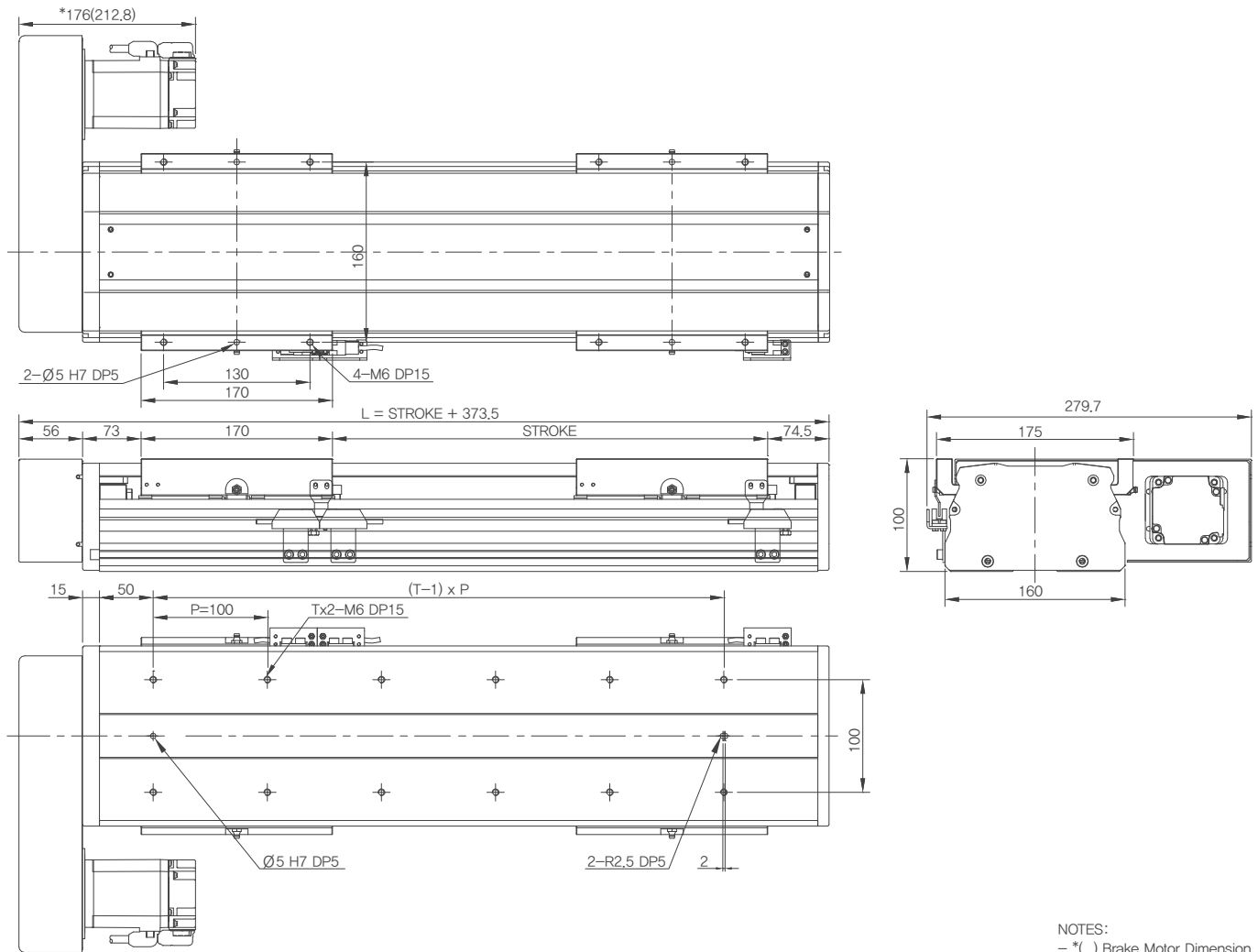
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	220	180	150	125	105	90	80	70	-	-	-	-
	L10	500	500	500	500	500	500	500	440	360	300	250	210	185	160	140	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	320	280	-	-	-
Product weight (kg)	13.5	15.4	17.3	19.2	21.1	23	25	26.9	28.8	30.7	32.7	34.6	36.5	38.4	40.3	42.2	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	-	-

SST160-PL(R)



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	170	112/152.3	50	100

Basic Specifications

Motor	750W			
Ball Screw	Ø20 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	150	100	50
	Vertical	50	26	13
	Wall	100	100	40
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 2RAIL 4BLOCK			

Permissible Overhang Length

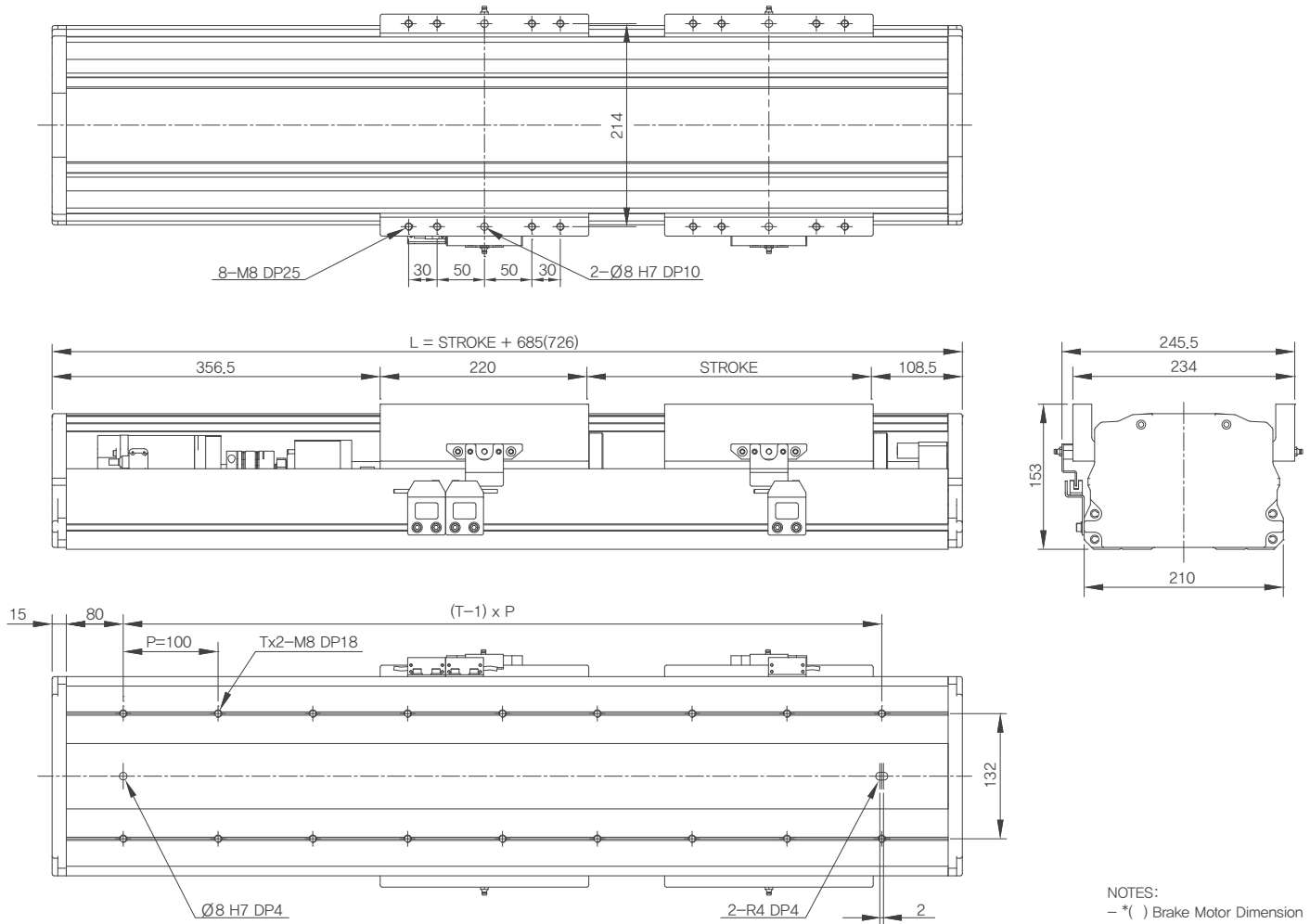
4 BLOCK		35kg	65kg	85kg
Horizontal	A	900	460	340
	B	600	310	250
	C	1000	580	450
Vertical	A	640	360	280
	B	1000	580	250
	C	590	290	200
Wall	A	1000	580	250
	B	600	300	200
	C	850	490	310

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	220	180	150	125	105	90	80	70	-	-	-	-
	L10	500	500	500	500	500	500	500	440	360	300	250	210	185	160	140	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	320	280	-	-	-
Product weight (kg)	13.5	15.4	17.3	19.2	21.1	23	25	26.9	28.8	30.7	32.7	34.6	36.5	38.4	40.3	42.2	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	-	-



Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	220	112/152.3	80	100

NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Basic Specifications

Motor	750W			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	200	150	80
	Vertical	100	50	20
	Wall	150	150	60
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

		4 BLOCK	60kg	90kg	120kg
Horizontal	A		1000	700	520
	B		960	720	510
	C		2000	1500	1300
Vertical	A		900	620	430
	B		2000	1500	1300
	C		880	670	480
Wall	A		2000	1500	1300
	B		800	540	360
	C		870	540	320

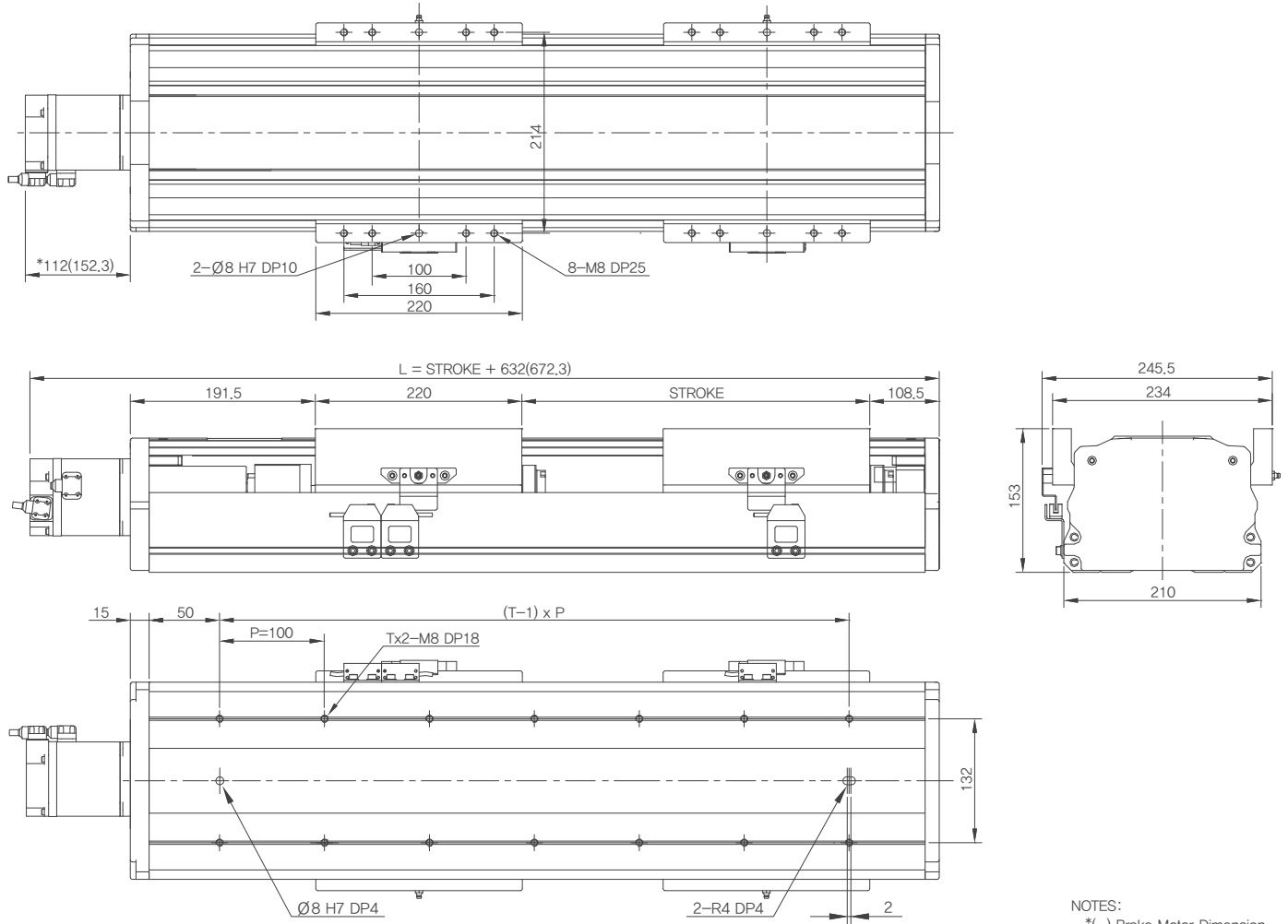
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-
Product weight (kg)	27.6	30.3	33	35.7	38.4	41	43.7	46.4	49.1	51.8	54.4	57.1	59.8	62.5	65.2	-	-	-	-	-
Rear surface tab (T)	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	-	-	-	-	-

SST210-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	220	112/152.3	50	100

Basic Specifications

Motor	750W			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	200	150	80
	Vertical	100	50	20
	Wall	150	150	60
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		60kg	90kg	120kg
Horizontal	A	1000	700	520
	B	960	720	510
	C	2000	1500	1300
Vertical	A	900	620	430
	B	2000	1500	1300
	C	880	670	480
Wall	A	2000	1500	1300
	B	800	540	360
	C	870	540	320

*Measuring conditions : Speed 500mm/s, Stroke 500

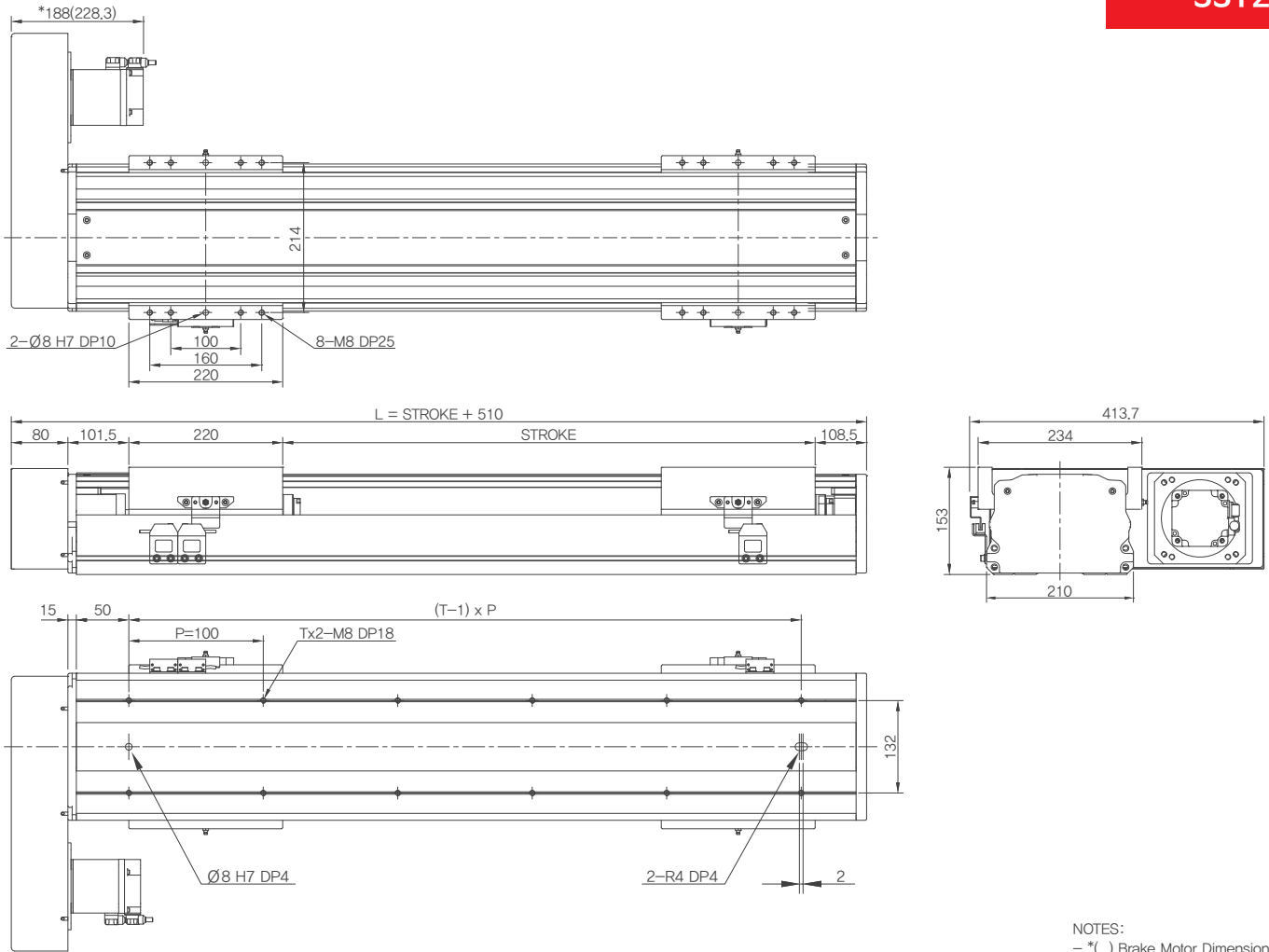
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-	-
Product weight (kg)	27.6	30.3	33	35.7	38.4	41	43.7	46.4	49.1	51.8	54.4	57.1	59.8	62.5	65.2	-	-	-	-	-
Rear surface tab (T)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	-	-	-	-	-

SST210-PL(R)

01
SST210



NOTES:
- *() Brake Motor Dimension
- M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	220	112/152.3	50	100

Basic Specifications

Motor	750W			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	200	150	80
	Vertical	100	50	20
	Wall	150	150	60
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		60kg	90kg	120kg
Horizontal	A	1000	700	520
	B	960	720	510
	C	2000	1500	1300
Vertical	A	900	620	430
	B	2000	1500	1300
	C	880	670	480
Wall	A	2000	1500	1300
	B	800	540	360
	C	870	540	320

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-
Product weight (kg)	27.6	30.3	33	35.7	38.4	41	43.7	46.4	49.1	51.8	54.4	57.1	59.8	62.5	65.2	-	-	-	-	-
Rear surface tab (T)	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	-	-	-

BALL SCREW

02

CST

... CST45 / CST60 / CST70 / CST80 / CST100 / CST140 / CST170 / CST210

CST (Clean Screw Type)

MODEL CONFIGURATION

Model	Base Size	Type	Lead	Motor	Stroke	Sensor	Raydent
CST	45	SI	L05	M10	50	N	N
CST	45	SI	L05	M10	50	N	N
	60	SO	L10	M20	100	AR / AL	R1
	70	PL	L20	M40	150	BR / BL	R2
	80	PR		M70	200	CR / CL	R3
	100			M100	~		R4
	140			M150	(50mm unit)		R5
	170			M10B			R6
	210			M20B			
				M40B			
				M70B			

1. Model

CST : Clean Screw Type

2. Base Size : Width of the base (mm)

3. Type : Direction of motor

SI : Straight In
 SO : Straight Out
 PL : Parallel Left
 PR : Parallel Right

4. Lead : Ball screw Lead

L05 : 5mm
 L10 : 10mm
 L20 : 20mm

5. Motor : Motor capacity and brake have or not

(Motor are base on the Mitsubishi. If you want to use other products, please contact the main office and agency.)

M10 : 100W M100 : 1KW M10B : 100W (Brake Type)
 M20 : 200W M150 : 1.5KW M20B : 200W (Brake Type)
 M40 : 400W M40B : 400W (Brake Type)
 M70 : 750W M70B : 750W (Brake Type)

6. Stroke : Transport distance

(There is a difference in permitted number of revolutions in accordance with the travel distance ball screw length. Please check the maximum speed by stroke on each product detail page.)

7. Sensor : Sensor type and direction

N : Not included (No symbol)
 AR : OMRON (EE-674) Right side equipped
 AL : OMRON (EE-674) Left side equipped
 BR : SUNX (PM-F24) Right side equipped
 BL : SUNX (PM-F24) Left side equipped
 CR : SUNX (GX-F8) Right side equipped
 CL : SUNX (GX-F8) Left side equipped

8. Raydent : Surface treatment

N : Not included (No symbol)
 R1 : LM RAIL
 R2 : LM RAIL + BLOCK
 R3 : SCREW SHAFT
 R4 : SCREW SHAFT + NUT
 R5 : LM RAIL + SCREW SHAFT
 R6 : LM RAIL + BLOCK + SCREW SHAFT + NUT

FEATURE

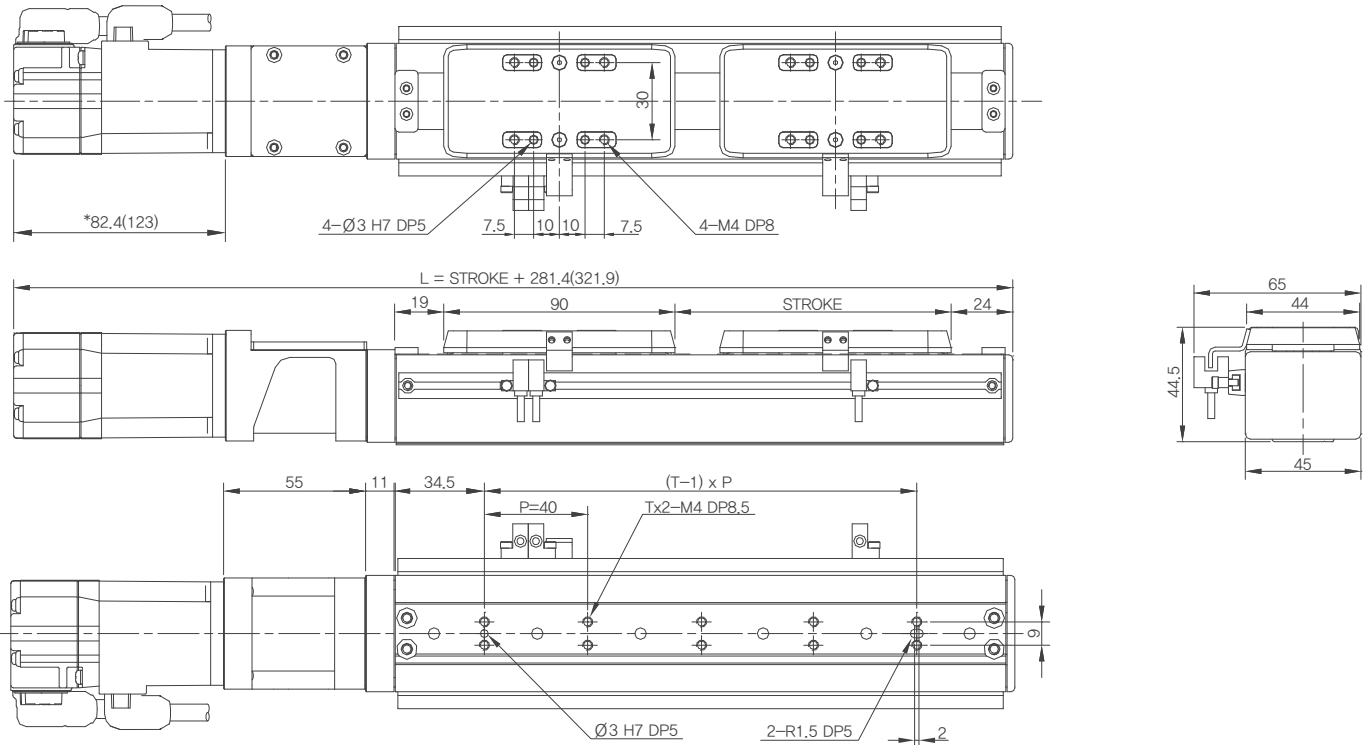
- Particle minimization with the patent structure of noncontact the upper surface
- Profiles structure of optimization through the FEM analysis
- Repetition accuracy within 0.02mm (option : within ± 0.004 mm)
- Variety of Line up
- Simple maintenance structure
- High durability for load

CAUTION

- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature (0~40°C) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.



CST45-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	90	82.4/123	34.5	40

Basic Specifications

Motor	100W	
Ball Screw	Ø8 / C7	
Lead	5	10
Maximum load (kg)	Horizontal	8
	Vertical	3
	Wall	4
Product life	20,000km	
Repetition accuracy	±20µm	
LM Guide	NO,24 1RAIL 1BLOCK (wide type)	

Permissible Overhang Length

1 BLOCK		2kg	4kg	7kg
Horizontal	A	220	125	60
	B	85	45	20
	C	800	650	500
Vertical	A	75	37	-
	B	800	650	-
	C	100	68	-
Wall	A	800	650	500
	B	70	36	15
	C	200	130	50

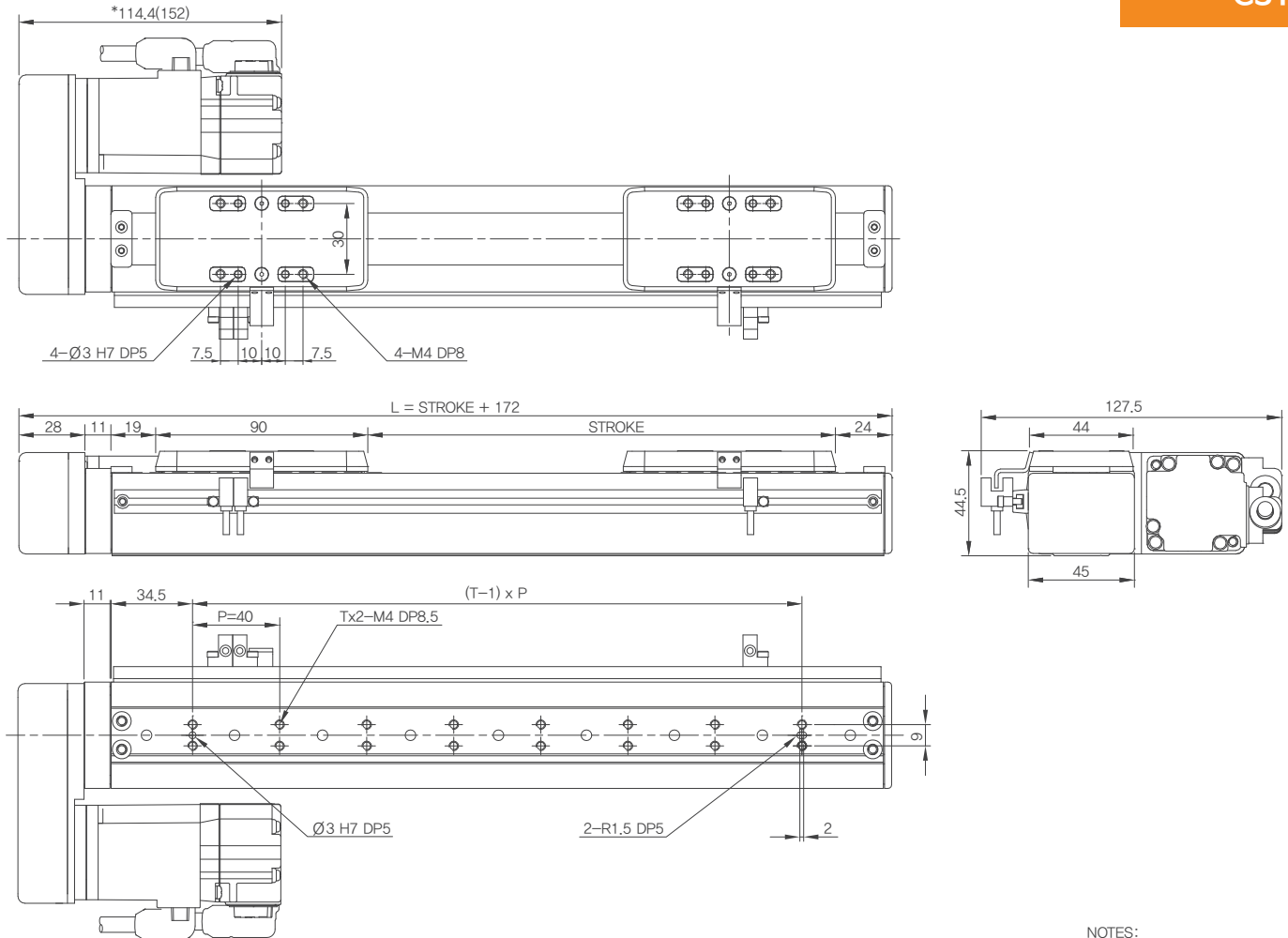
*Measuring conditions : Speed 200mm/s, Stroke 300

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	250	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	1.1	1.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CST45-PL(R)



NOTES:
- *() Brake Motor Dimension
- M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	90	82.4/123	34.5	40

Basic Specifications

Motor	100W	
Ball Screw	Ø8 / C7	
Lead	5	10
Maximum load (kg)	Horizontal	8
	Vertical	3
	Wall	4
Product life	20,000km	
Repetition accuracy	±20µm	
LM Guide	NO.24 1RAIL 1BLOCK (wide type)	

Permissible Overhang Length

1 BLOCK		2kg	4kg	7kg
Horizontal	A	220	125	60
	B	85	45	20
	C	800	650	500
Vertical	A	75	37	-
	B	800	650	-
	C	100	68	-
Wall	A	800	650	500
	B	70	36	15
	C	200	130	50

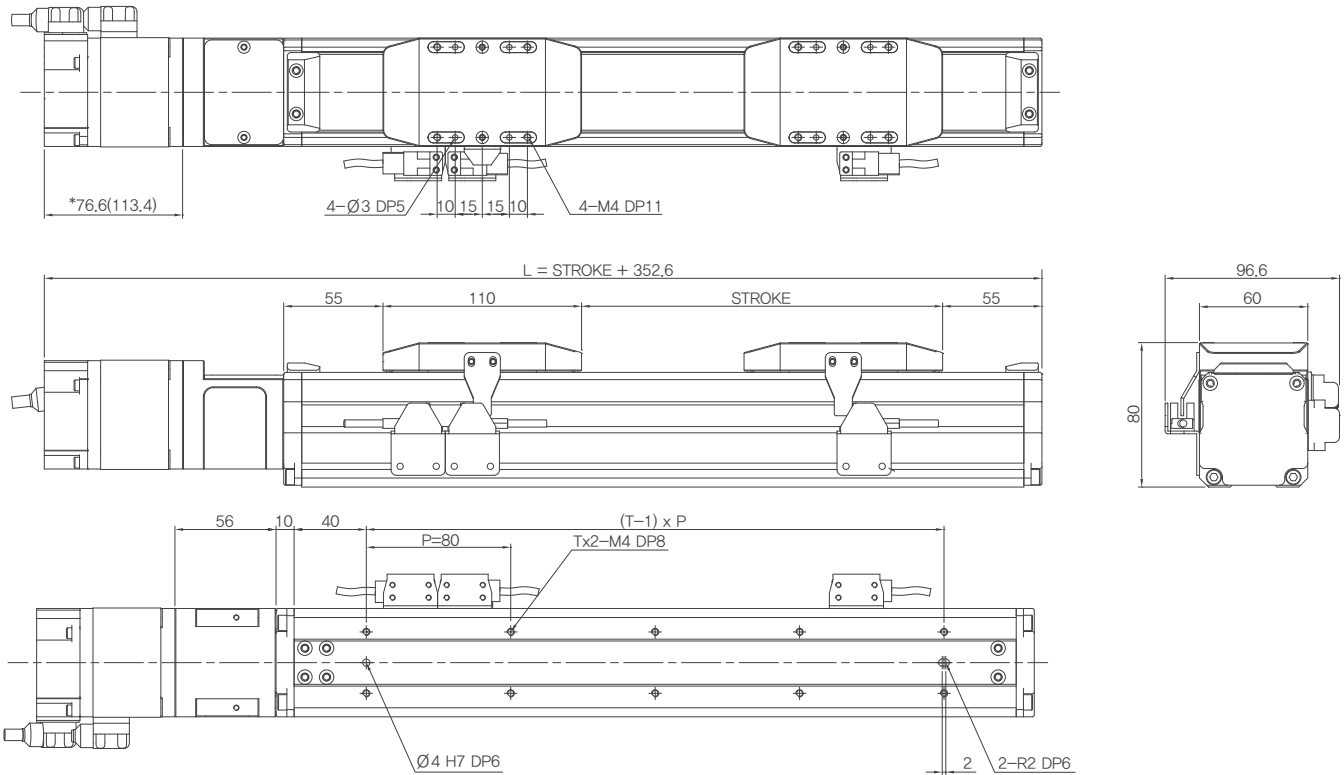
*Measuring conditions : Speed 200mm/s, Stroke 300

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	250	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	1.1	1.4	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CST60-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	110	76.6/113.4	40	80

Basic Specifications

Motor	200W		
Ball Screw	Ø12 / C7		
Lead	5	10	20
Maximum load (kg)	Horizontal	10	10
	Vertical	4	2
	Wall	5	5
Product life	20,000km		
Repetition accuracy	±20µm		
LM Guide	NO.12 1RAIL 1BLOCK (wide type)		

Permissible Overhang Length

1 BLOCK		3kg	5kg	8kg
Horizontal	A	220	130	70
	B	100	70	40
	C	820	650	520
Vertical	A	65	-	-
	B	700	-	-
	C	100	-	-
Wall	A	800	500	-
	B	74	32	-
	C	170	75	-

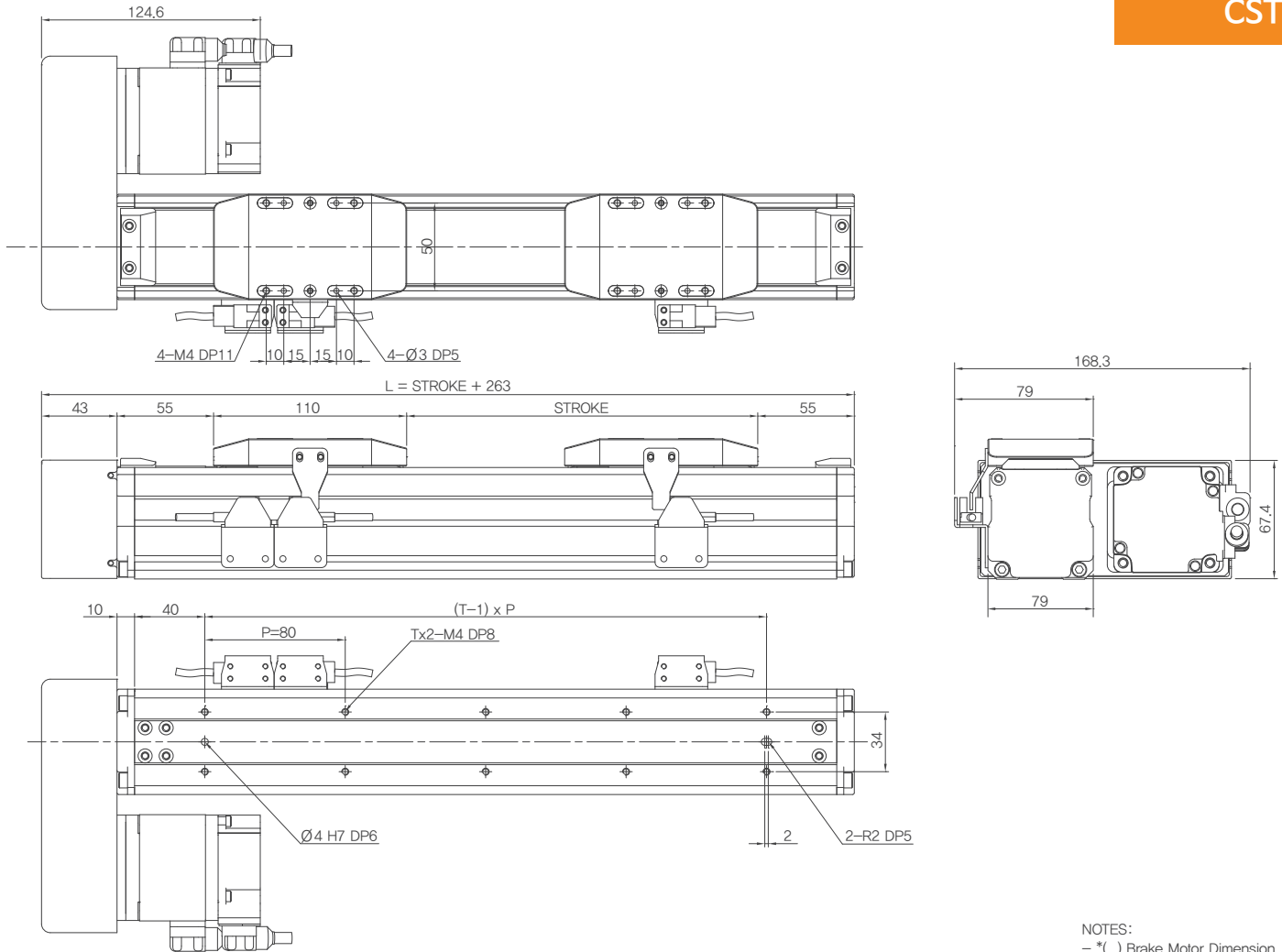
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	330	-	-	-	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	870	670	-	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	3.3	4	4.8	5.2	5.8	6.4	7.1	7.7	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	-	-	-	-	-	-	-	-	-	-	-	-

CST60-PL(R)



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	110	76.6/113.4	40	80

Basic Specifications

Motor	200W			
Ball Screw	Ø12 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	10	10	10
	Vertical	4	4	2
	Wall	5	5	5
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.12 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

1 BLOCK		3kg	5kg	8kg
Horizontal	A	220	130	70
	B	100	70	40
	C	820	650	520
Vertical	A	65	-	-
	B	700	-	-
	C	100	-	-
Wall	A	800	500	-
	B	74	32	-
	C	170	75	-

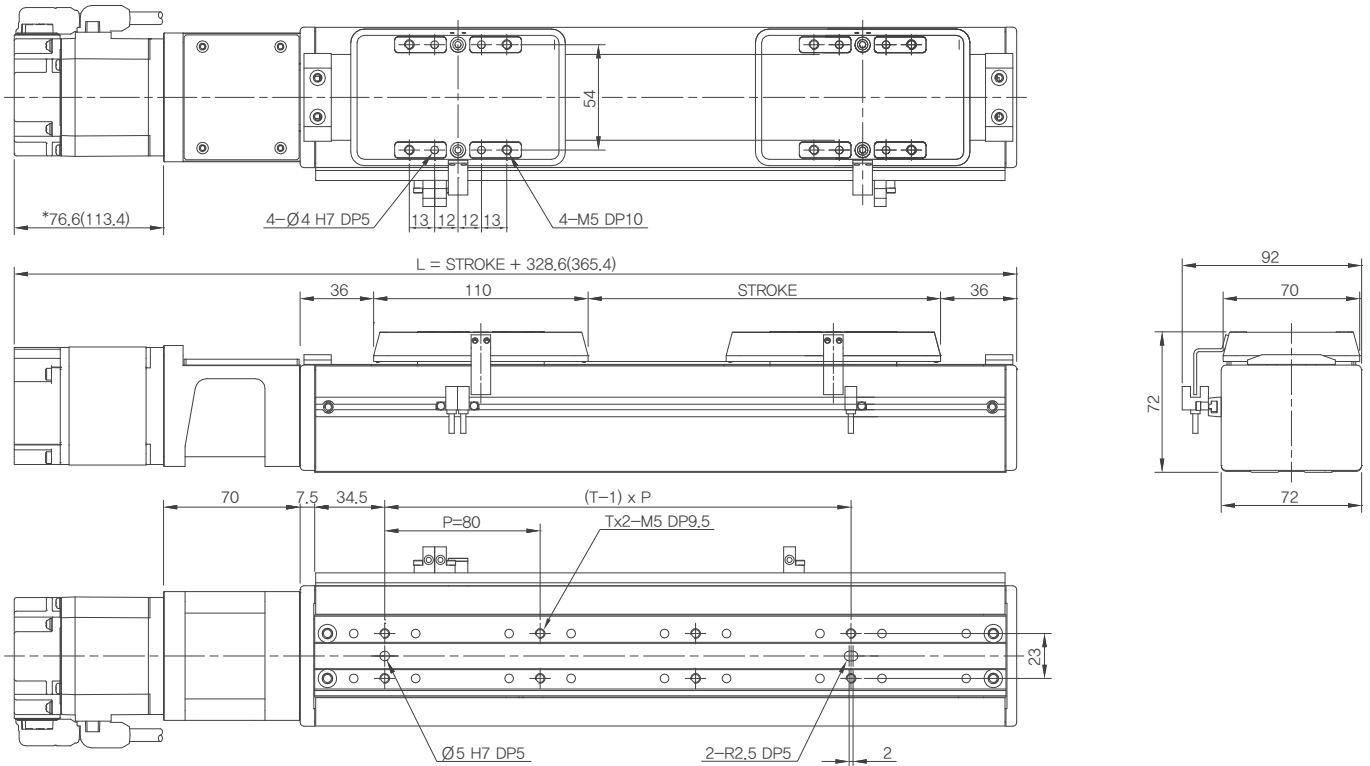
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	330	-	-	-	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	870	670	-	-	-	-	-	-	-	-	-	-	-
Product weight (kg)	3.3	4	4.8	5.2	5.8	6.4	7.1	7.7	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	-	-	-	-	-	-	-	-	-	-	-	-

CST70-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	110	76.6/113.4	34.5	80

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	13	13	10
	Vertical	7	7	5
	Wall	8	8	8
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.42 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

1 BLOCK		5kg	8kg	10kg
Horizontal	A	270	150	100
	B	90	50	40
	C	1000	620	500
Vertical	A	60	20	-
	B	1000	620	-
	C	80	30	-
Wall	A	950	470	-
	B	60	25	-
	C	280	160	-

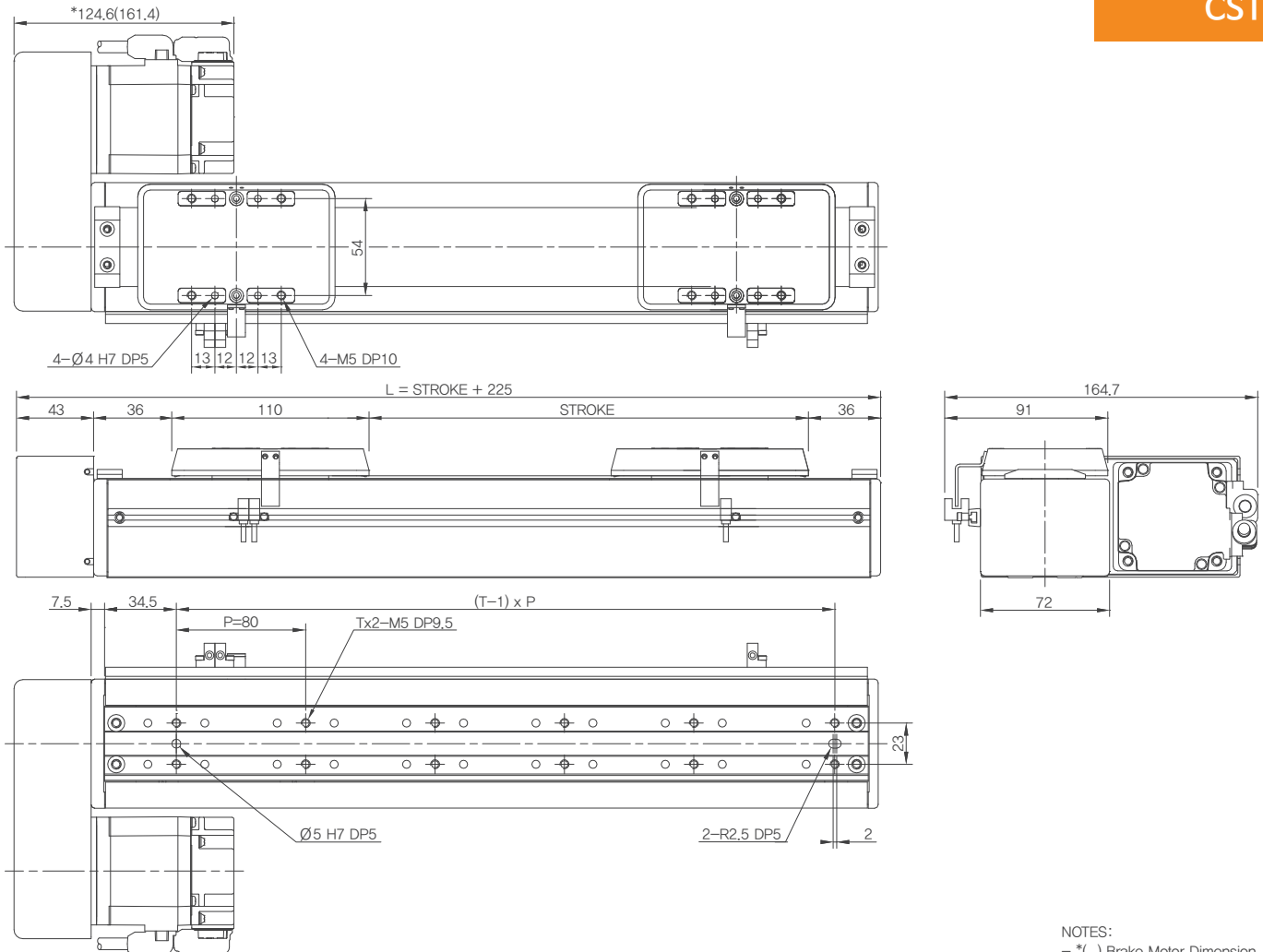
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4	9	9.6	-	-	-	-	-	-	-	-
Rear surface tab (T)	3	4	6	7	8	9	10	12	13	14	15	17	-	-	-	-	-	-	-	-

CST70-PL(R)



Dimensions

NOTES:
- *() Brake Motor Dimension
- M2 : Brake Type

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	110	76.3/113.4	34.5	80

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	13	13	10
	Vertical	7	7	5
	Wall	8	8	8
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO,42 1RAIL 1BLOCK (wide type)			

Permissible Overhang Length

		1 BLOCK	5kg	8kg	10kg
Horizontal	A		270	150	100
	B		90	50	40
	C		1000	620	500
Vertical	A		60	20	-
	B		1000	620	-
	C		80	30	-
Wall	A		950	470	-
	B		60	25	-
	C		280	160	-

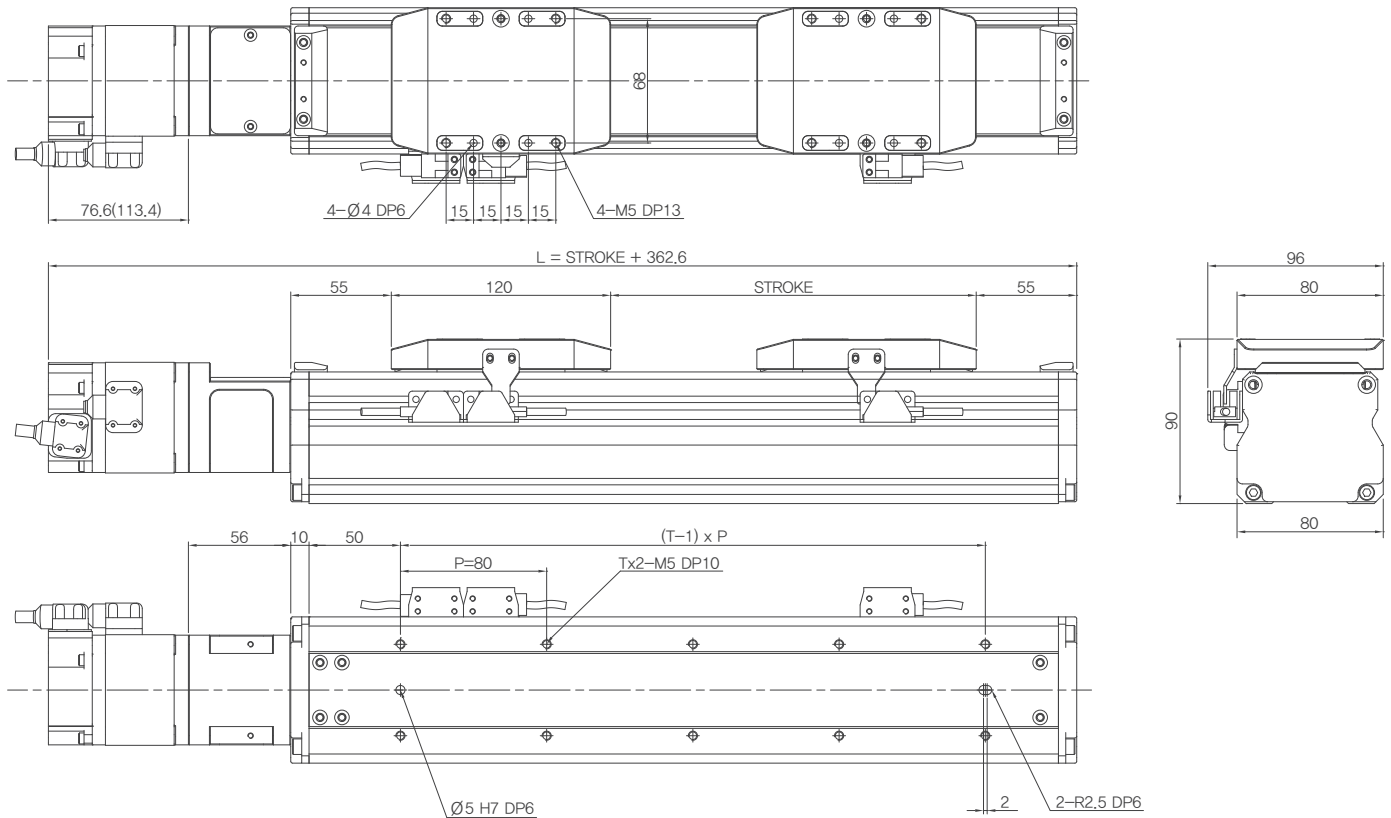
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)		100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	
Max speed (mm/s)	L05	250	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)		3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4	9	9.6	-	-	-	-	-	-	-	-	-
Rear surface tab (T)		3	4	6	7	8	9	10	12	13	14	15	17	-	-	-	-	-	-	-	-	-

CST80-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	120	76.6/113.4	50	80

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	15	15	10
	Vertical	8	8	6
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 1RAIL 1BLOCK			

Permissible Overhang Length

1 BLOCK		5kg	8kg	10kg
Horizontal	A	360	215	170
	B	117	72	56
	C	1000	650	550
Vertical	A	80	35	-
	B	1000	650	-
	C	90	35	-
Wall	A	950	500	300
	B	99	51	36
	C	310	160	110

*Measuring conditions : Speed 500mm/s, Stroke 500

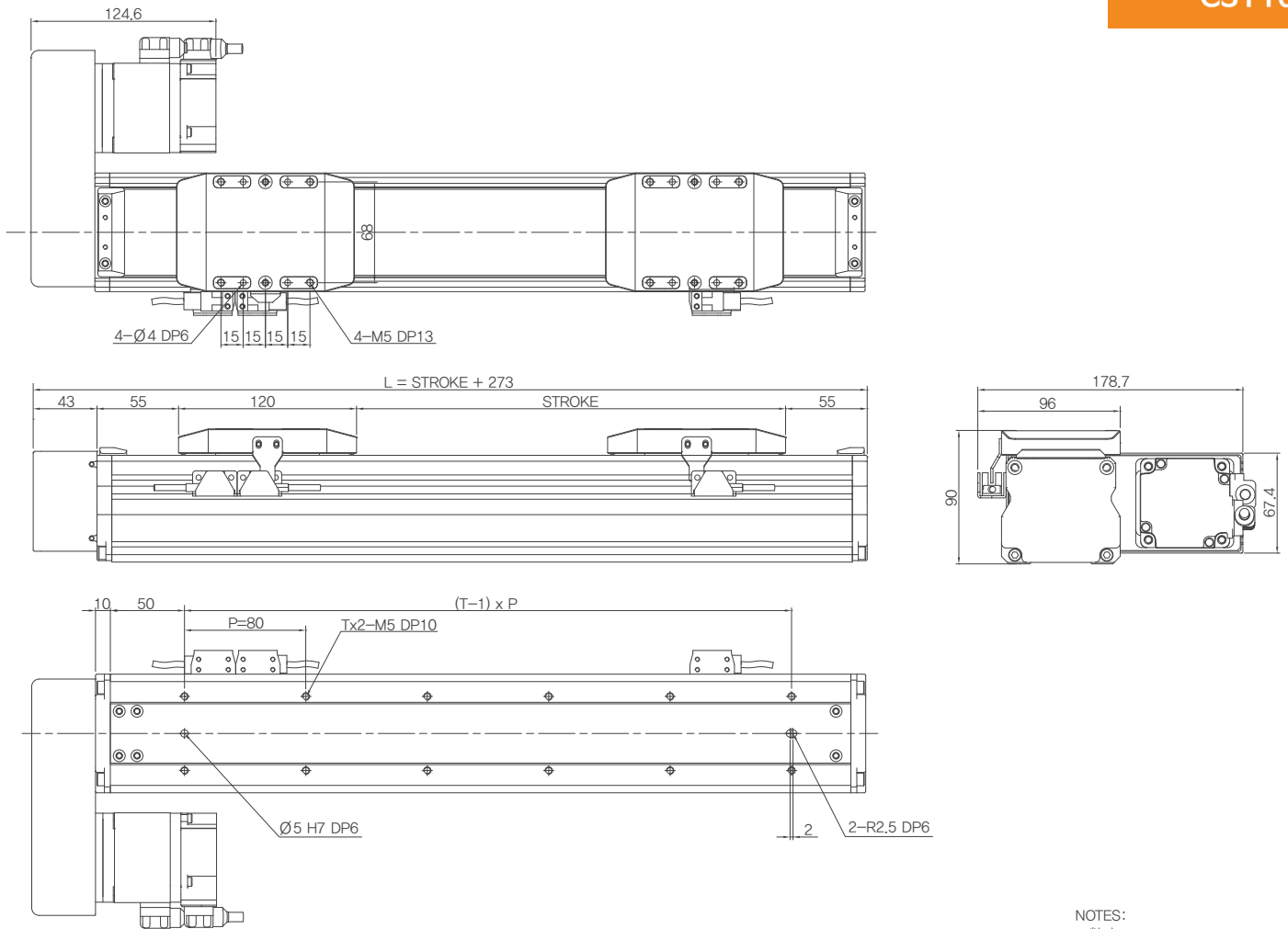
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-	-
Product weight (kg)	5.4	6.2	7	7.9	8.8	9.7	10.6	11.4	12.3	13.1	13.9	14.8	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	-	-	-	-	-	-	-	-

CST80-PL(R)

02
CST100



NOTES:
- * () Brake Motor Dimension
- M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	120	76.6/113.4	50	80

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	15	15	10
	Vertical	8	8	6
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 1RAIL 1BLOCK			

Permissible Overhang Length

1 BLOCK		5kg	8kg	10kg
Horizontal	A	360	215	170
	B	117	72	56
	C	1000	650	550
Vertical	A	80	35	-
	B	1000	650	-
	C	90	35	-
Wall	A	950	500	300
	B	99	51	36
	C	310	160	110

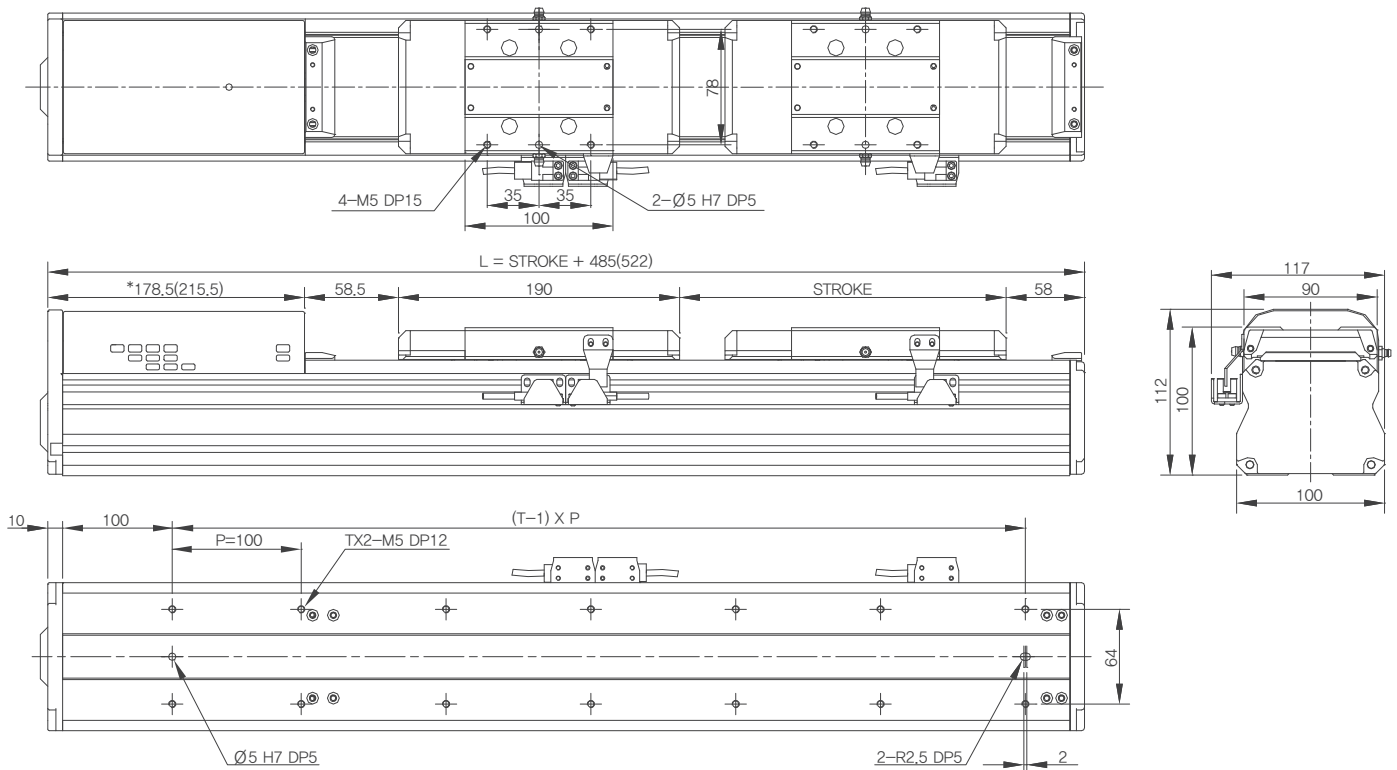
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	380	-	-	-	-	-	-	-
Product weight (kg)	5.4	6.2	7	7.9	8.8	9.7	10.6	11.4	12.3	13.1	13.9	14.8	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	-	-	-	-	-	-	-	-

CST100-SI



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	190	76.6/113.4	100	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 1RAIL 1BLOCK			

Permissible Overhang Length

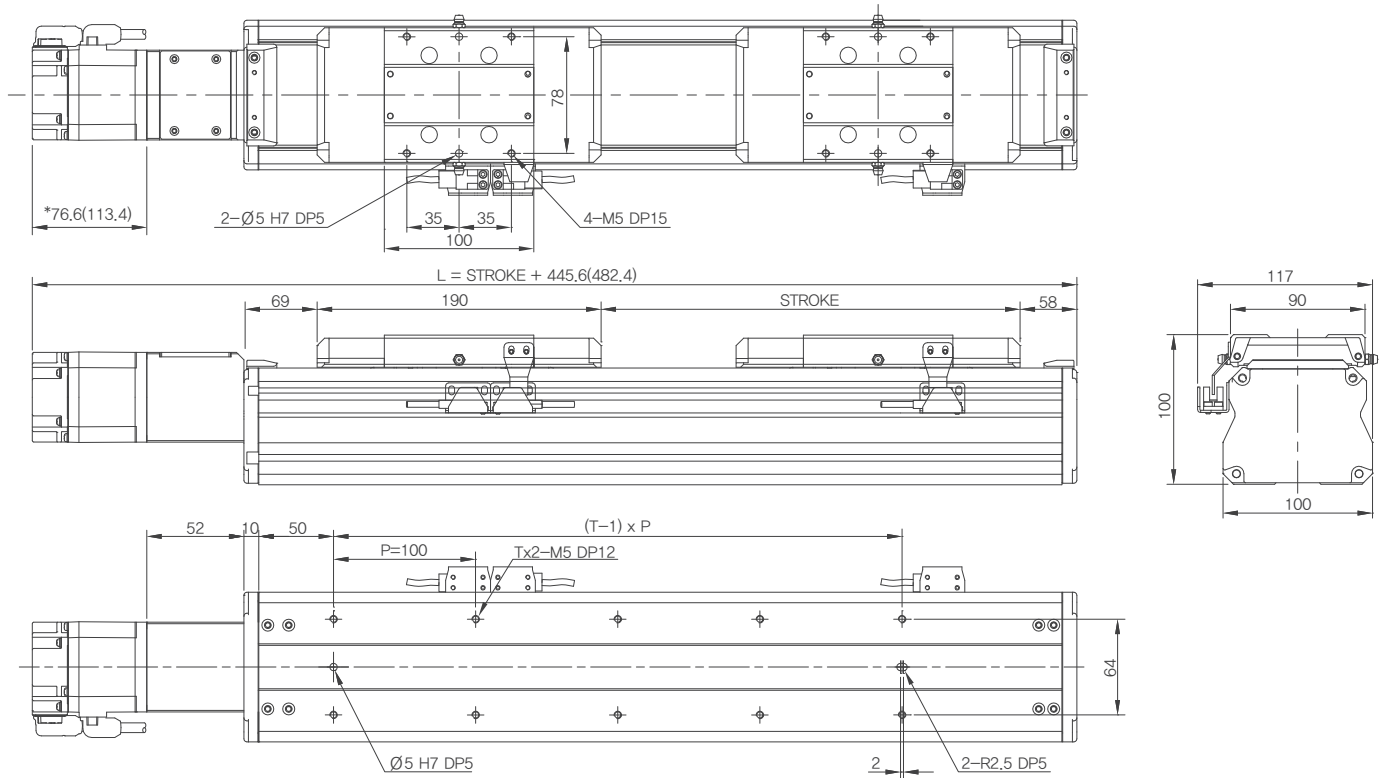
1 BLOCK		8kg	13kg	18kg
Horizontal	A	160	95	65
	B	150	90	60
	C	900	700	600
Vertical	A	110	55	25
	B	900	700	600
	C	130	75	45
Wall	A	900	700	-
	B	80	25	-
	C	110	50	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	460	-	-	-	-	-	-	-	-	-
Product weight (kg)	6.2	7.2	8.2	9.1	10.1	11	12	13	14	15	16	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	5	6	7	8	9	10	11	12	13	14	15	-	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	190	76.6/113.4	50	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO,20 1RAIL 1BLOCK			

Permissible Overhang Length

		1 BLOCK	8kg	13kg	18kg
Horizontal	A		160	95	65
	B		150	90	60
	C		900	700	600
Vertical	A		110	55	25
	B		900	700	600
	C		130	75	45
Wall	A		900	700	-
	B		80	25	-
	C		110	50	-

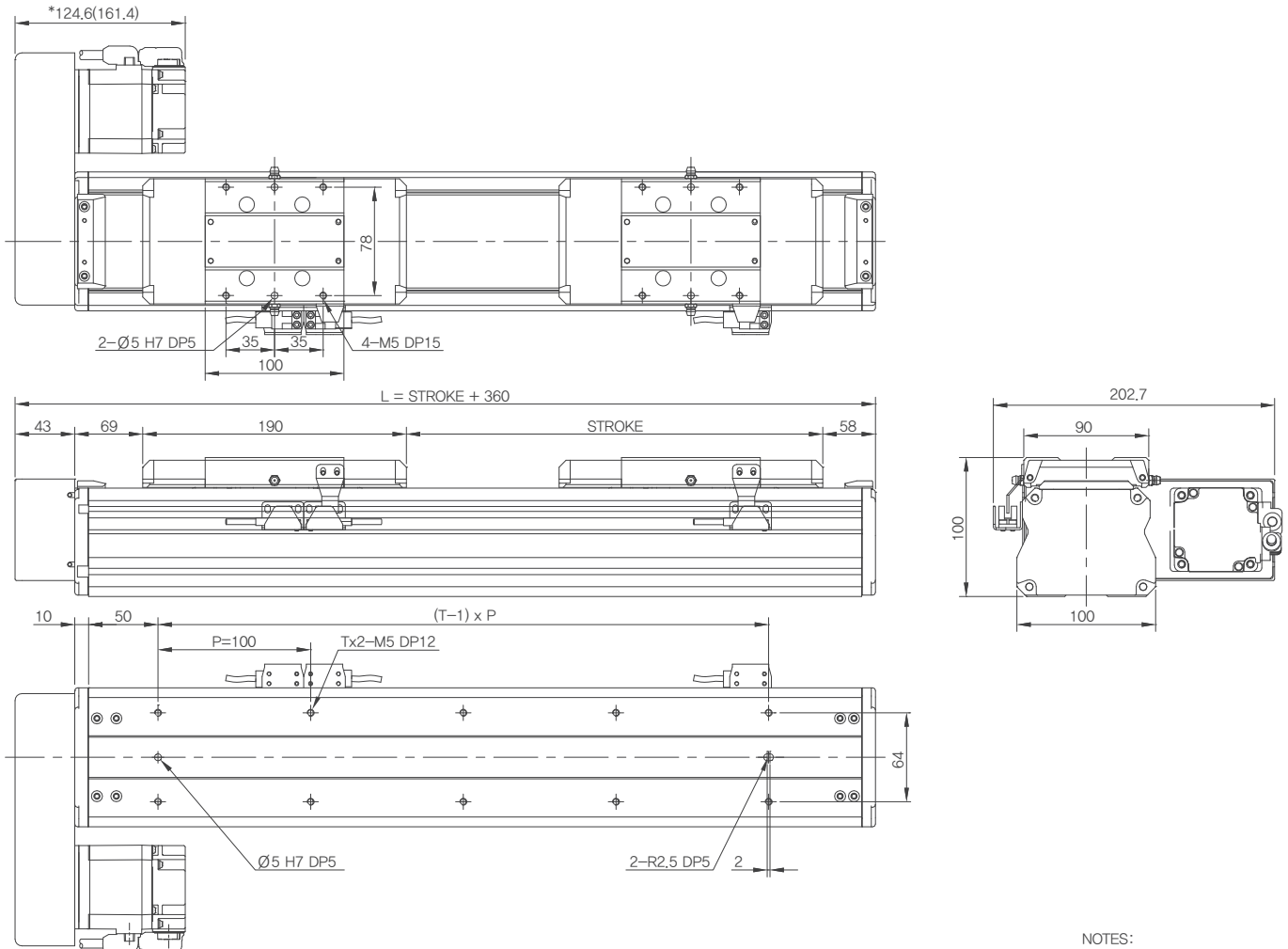
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	-	-	-	-	-	-	-	-
Product weight (kg)	6.2	7.2	8.2	9.1	10.1	11	12	13	14	15	16	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-	-

CST100-PL(R)



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	190	76.6/113.4	50	100

Basic Specifications

Motor	200W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	40	35	30
	Vertical	15	10	5
	Wall	10	10	10
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 1RAIL 1BLOCK			

Permissible Overhang Length

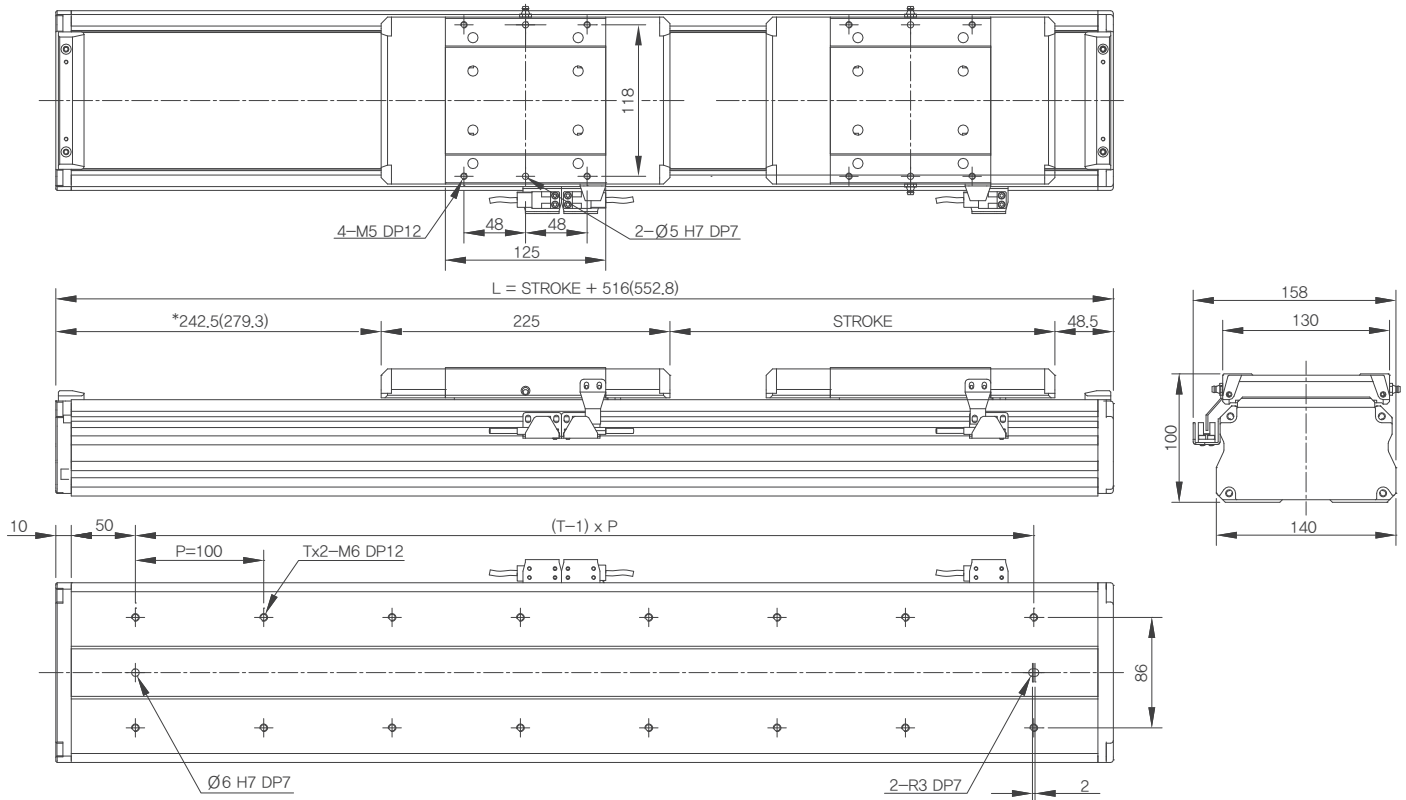
		1 BLOCK	8kg	13kg	18kg
Horizontal	A		160	95	65
	B		150	90	60
	C		900	700	600
Vertical	A		110	55	25
	B		900	700	600
	C		130	75	45
Wall	A		900	700	-
	B		80	25	-
	C		110	50	-

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	210	170	140	110	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	430	340	270	220	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	860	680	550	460	-	-	-	-	-	-	-	-
Product weight (kg)	6.2	7.2	8.2	9.1	10.1	11	12	13	14	15	16	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	225	98.3/135.1	50	100

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	90	40	25
	Vertical	50	25	13
	Wall	55	35	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		25kg	45kg	65kg
Horizontal	A	530	280	200
	B	820	440	310
	C	1500	900	600
Vertical	A	850	495	340
	B	1500	900	600
	C	850	490	340
Wall	A	1500	900	600
	B	780	425	270
	C	465	225	120

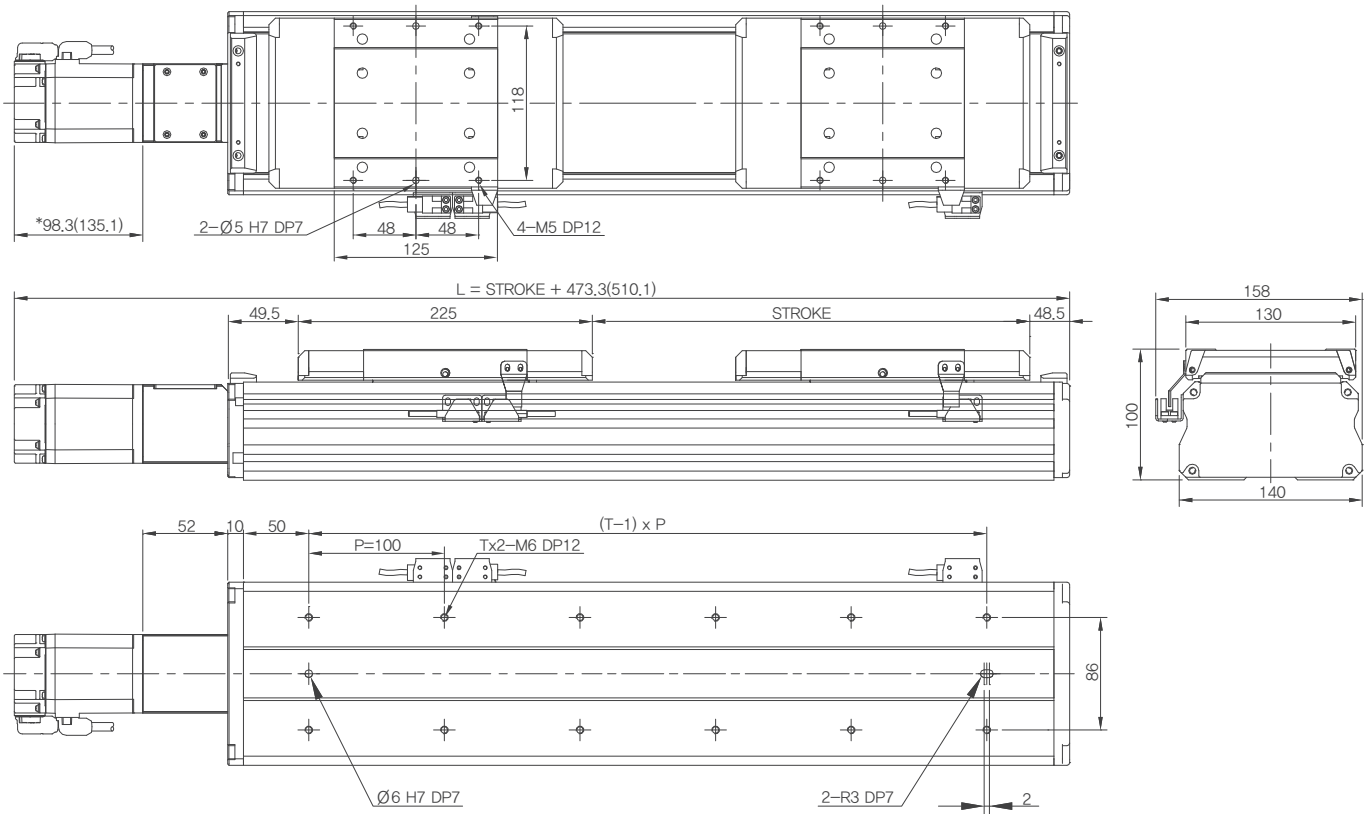
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	860	680	550	550	380	-	-	-	-	-	-	-	-
Product weight (kg)	9.3	10.5	11.7	12.9	14.1	15.3	16.5	17.7	18.9	20.1	21.3	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	6	7	8	9	10	11	12	13	14	15	16	-	-	-	-	-	-	-	-	-

CST140-SO



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	225	98.3/135.1	50	100

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	90	40	25
	Vertical	50	25	13
	Wall	55	35	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

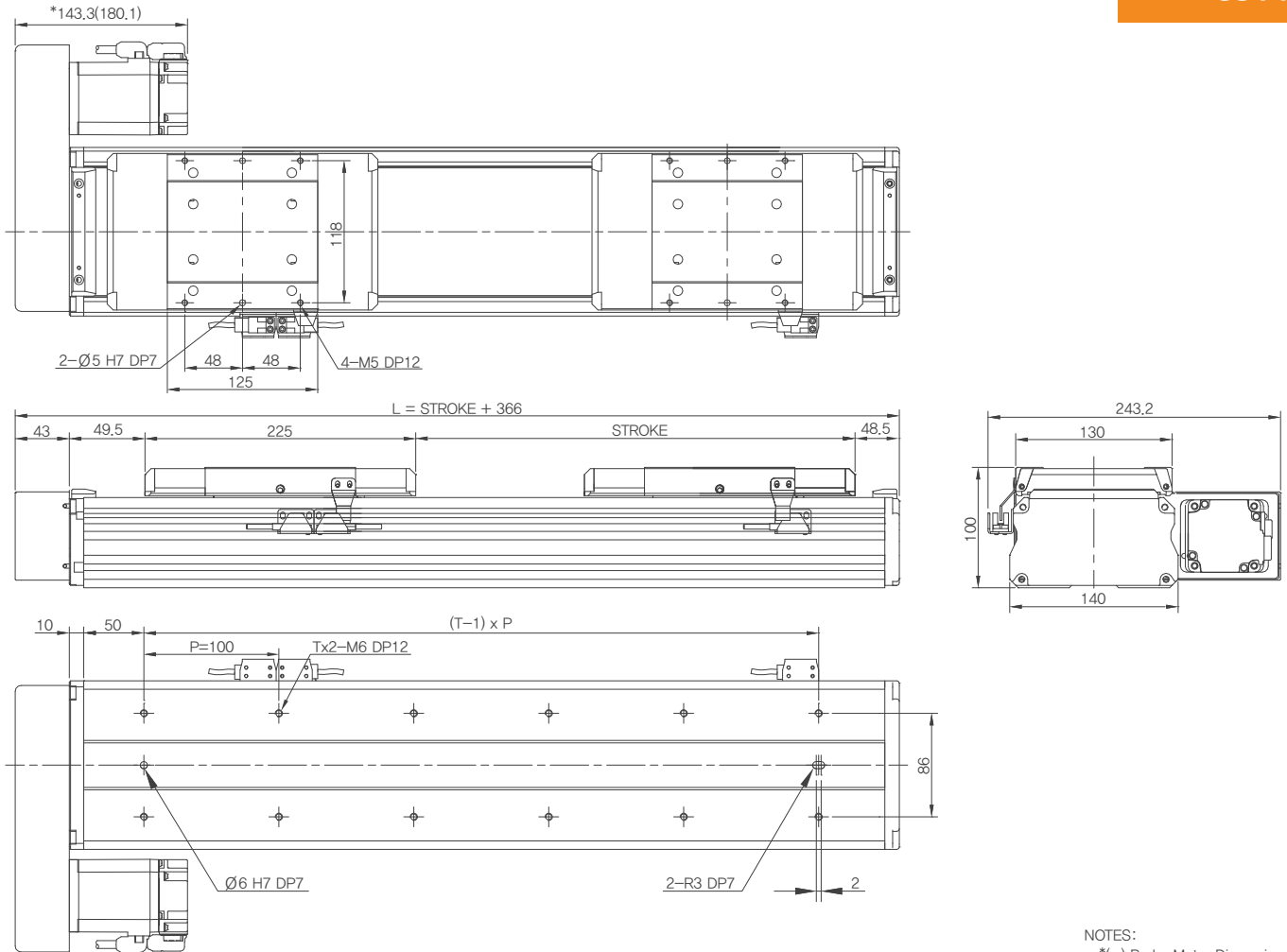
4 BLOCK		25kg	45kg	65kg
Horizontal	A	530	280	200
	B	820	440	310
	C	1500	900	600
Vertical	A	850	495	340
	B	1500	900	600
	C	850	490	340
Wall	A	1500	900	600
	B	780	425	270
	C	465	225	120

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	860	680	550	550	380	-	-	-	-	-	-	-	-	-
Product weight (kg)	9.3	10.5	11.7	12.9	14.1	15.3	16.5	17.7	18.9	20.1	21.3	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-	-



Dimensions

Stroke	Total Length <L>	Table Length <L1>	Motor Length <M1/M2>	Started Interval Sub-tab <G>	Interval Sub-tab <P>
S (mm)	L	225	98.3/135.1	50	100

NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Basic Specifications

Motor	400W			
Ball Screw	Ø15 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	90	40	25
	Vertical	50	25	13
	Wall	55	35	20
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.15 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		25kg	45kg	65kg
Horizontal	A	530	280	200
	B	820	440	310
	C	1500	900	600
Vertical	A	850	495	340
	B	1500	900	600
	C	850	490	340
Wall	A	1500	900	600
	B	780	425	270
	C	465	225	120

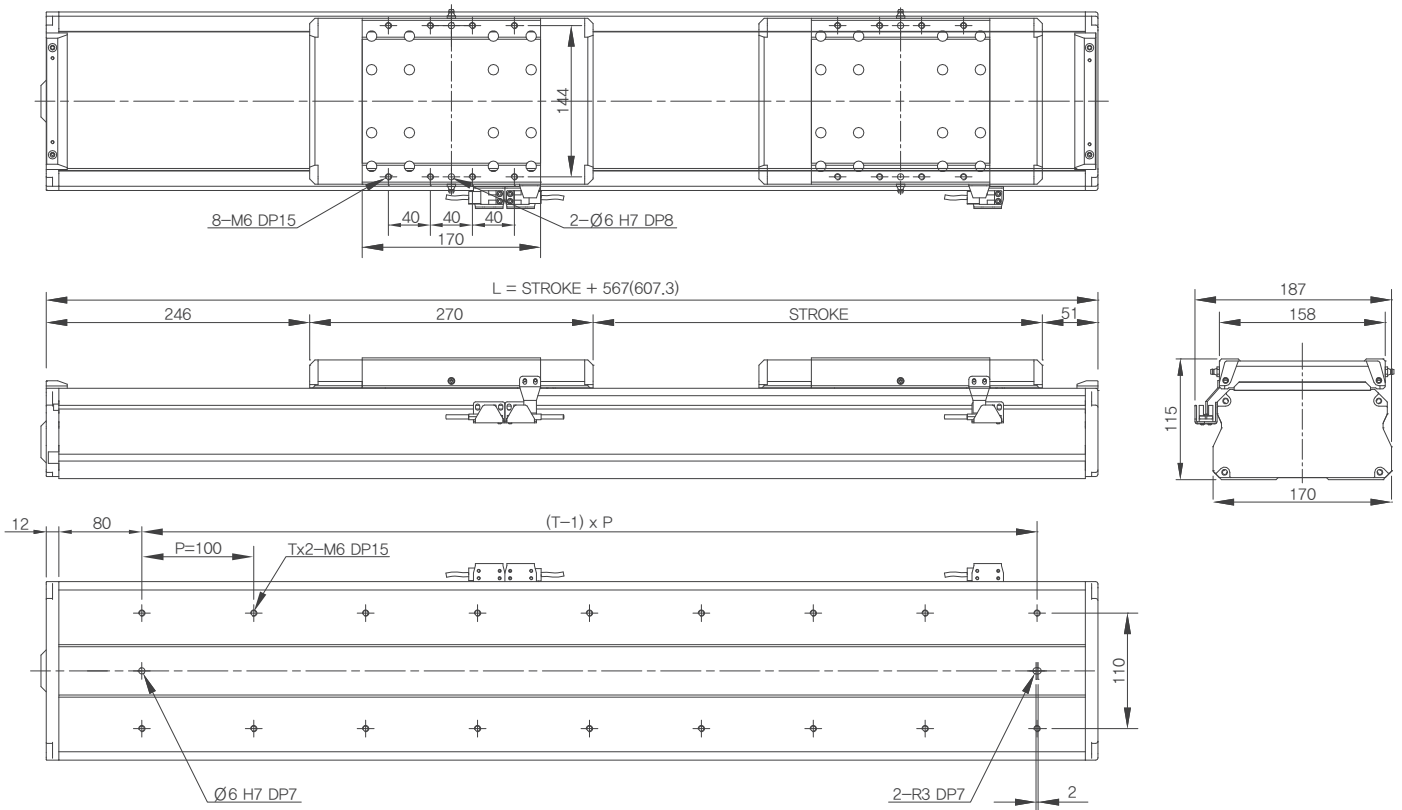
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	210	170	140	110	95	-	-	-	-	-	-	-	-	-
	L10	500	500	500	500	500	430	340	270	220	190	-	-	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	860	680	550	550	380	-	-	-	-	-	-	-	-	-
Product weight (kg)	9.3	10.5	11.7	12.9	14.1	15.3	16.5	17.7	18.9	20.1	21.3	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	-	-	-	-	-	-	-	-	-

CST170-SI



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	270	98.3/135.1	80	100

Basic Specifications

Motor	400W			
Ball Screw	Ø20 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	80	40
	Vertical	40	25	10
	Wall	80	80	40
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 2RAIL 4BLOCK			

Permissible Overhang Length

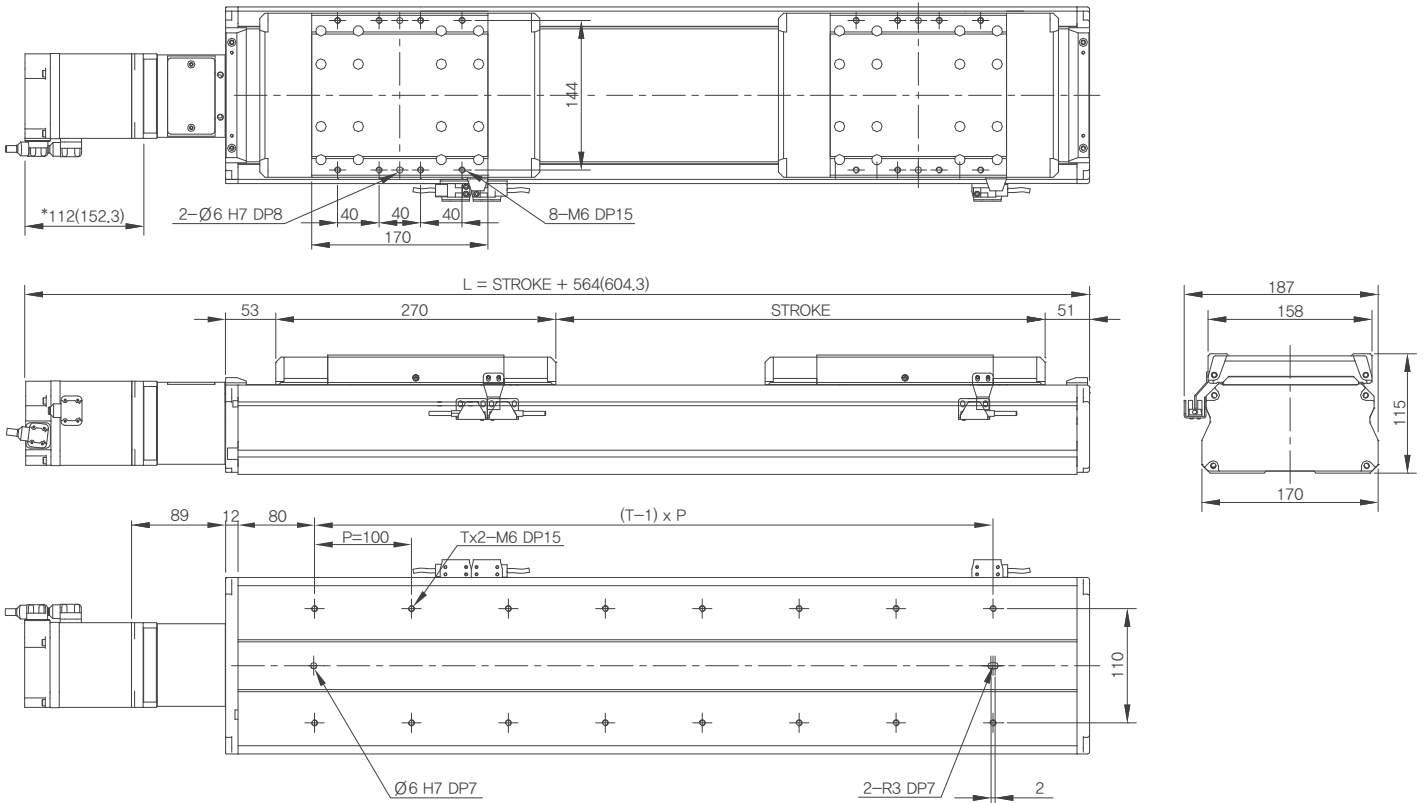
4 BLOCK		45kg	65kg	85kg
Horizontal	A	760	520	390
	B	1100	790	590
	C	2000	1600	1200
Vertical	A	1100	830	640
	B	2000	1600	1200
	C	1100	760	560
Wall	A	2000	1600	1200
	B	1100	760	560
	C	670	440	305

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	220	180	150	125	105	90	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	440	360	300	250	210	185	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	-	-	-	-	-	-	-
Product weight (kg)	23.3	24.4	25.5	26.6	27.7	28.8	30	31.1	32.2	33.3	34.4	35.5	36.7	-	-	-	-	-	-	-
Rear surface tab (T)	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	-	-	-	-	-



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	270	112/152.3	80	100

Basic Specifications

Motor	750W			
Ball Screw	Ø20 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	80	40
	Vertical	40	25	10
	Wall	80	80	40
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		45kg	65kg	85kg
Horizontal	A	760	520	390
	B	1100	790	590
	C	2000	1600	1200
Vertical	A	1100	830	640
	B	2000	1600	1200
	C	1100	760	560
Wall	A	2000	1600	1200
	B	1100	760	560
	C	670	440	305

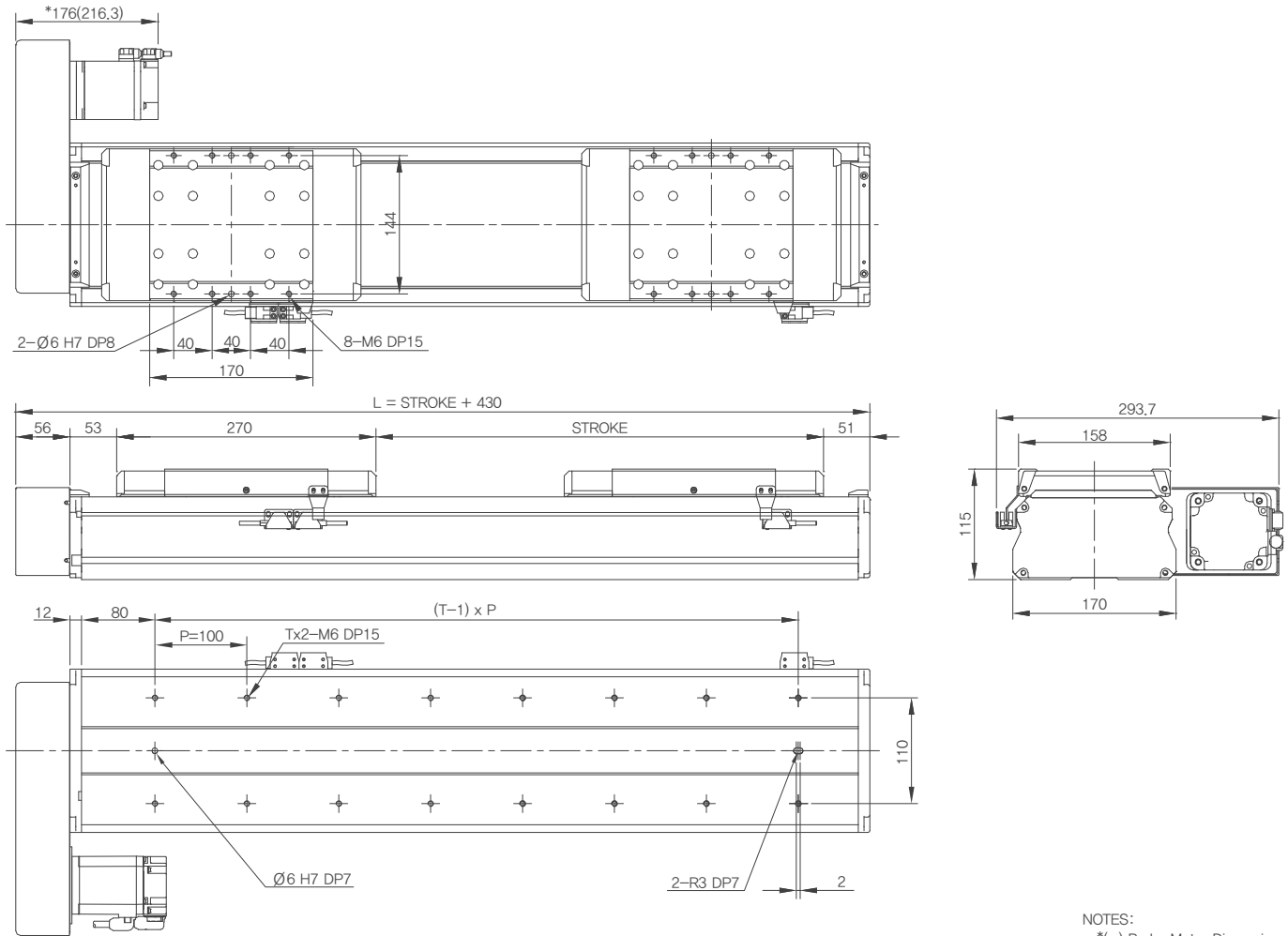
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	220	180	150	125	105	90	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	440	360	300	250	210	185	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	-	-	-	-	-	-
Product weight (kg)	23.3	24.4	25.5	26.6	27.7	28.8	30	31.1	32.2	33.3	34.4	35.5	36.7	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	-	-	-	-	-	-	-

CST170-PL(R)



NOTES:
 - *() Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total Length (L)	Table Length (L1)	Motor Length (M1/M2)	Started Interval Sub-tab (G)	Interval Sub-tab (P)
S (mm)	L	270	112/152.3	80	100

Basic Specifications

Motor	750W			
Ball Screw	Ø20 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	100	80	40
	Vertical	40	25	10
	Wall	80	80	40
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.20 2RAIL 4BLOCK			

Permissible Overhang Length

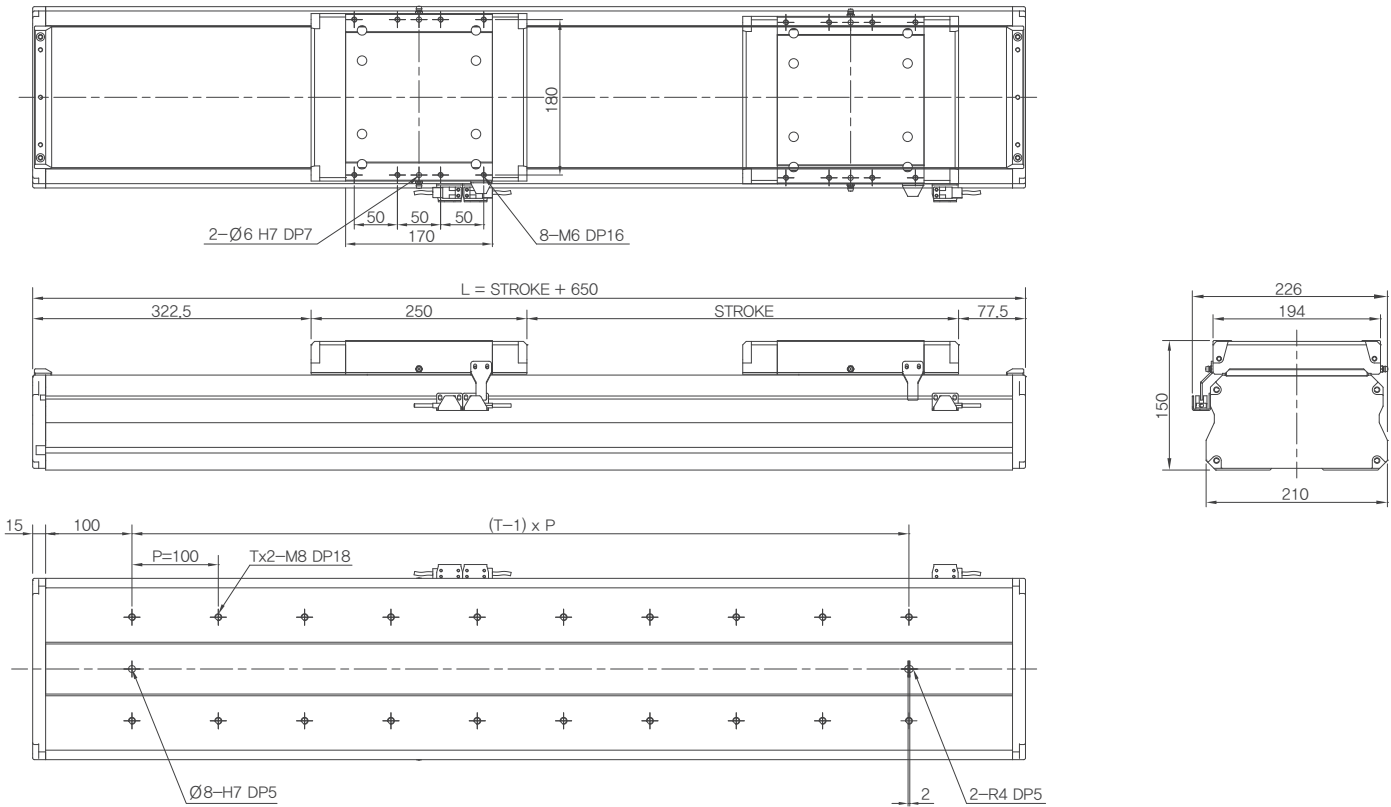
4 BLOCK		45kg	65kg	85kg
Horizontal	A	760	520	390
	B	1100	790	590
	C	2000	1600	1200
Vertical	A	1100	830	640
	B	2000	1600	1200
	C	1100	760	560
Wall	A	2000	1600	1200
	B	1100	760	560
	C	670	440	305

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	220	180	150	125	105	90	-	-	-	-	-	-	-
	L10	500	500	500	500	500	500	440	360	300	250	210	185	-	-	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	900	720	600	500	430	370	-	-	-	-	-	-	-
Product weight (kg)	23.3	24.4	25.5	26.6	27.7	28.8	30	31.1	32.2	33.3	34.4	35.5	36.7	-	-	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	-	-	-	-	-	-	-

*Please contact the main office and agency about the max stroke.



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	250	146.5/181	100	100

Basic Specifications

Motor	1.5KW			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	00	00	00
	Vertical	00	00	00
	Wall	00	00	00
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		60kg	80kg	95kg
Horizontal	A	1000	750	620
	B	1200	900	700
	C	2100	1600	1350
Vertical	A	1300	950	750
	B	1900	1300	1000
	C	1200	950	700
Wall	A	1800	1400	1200
	B	1200	800	600
	C	900	700	550

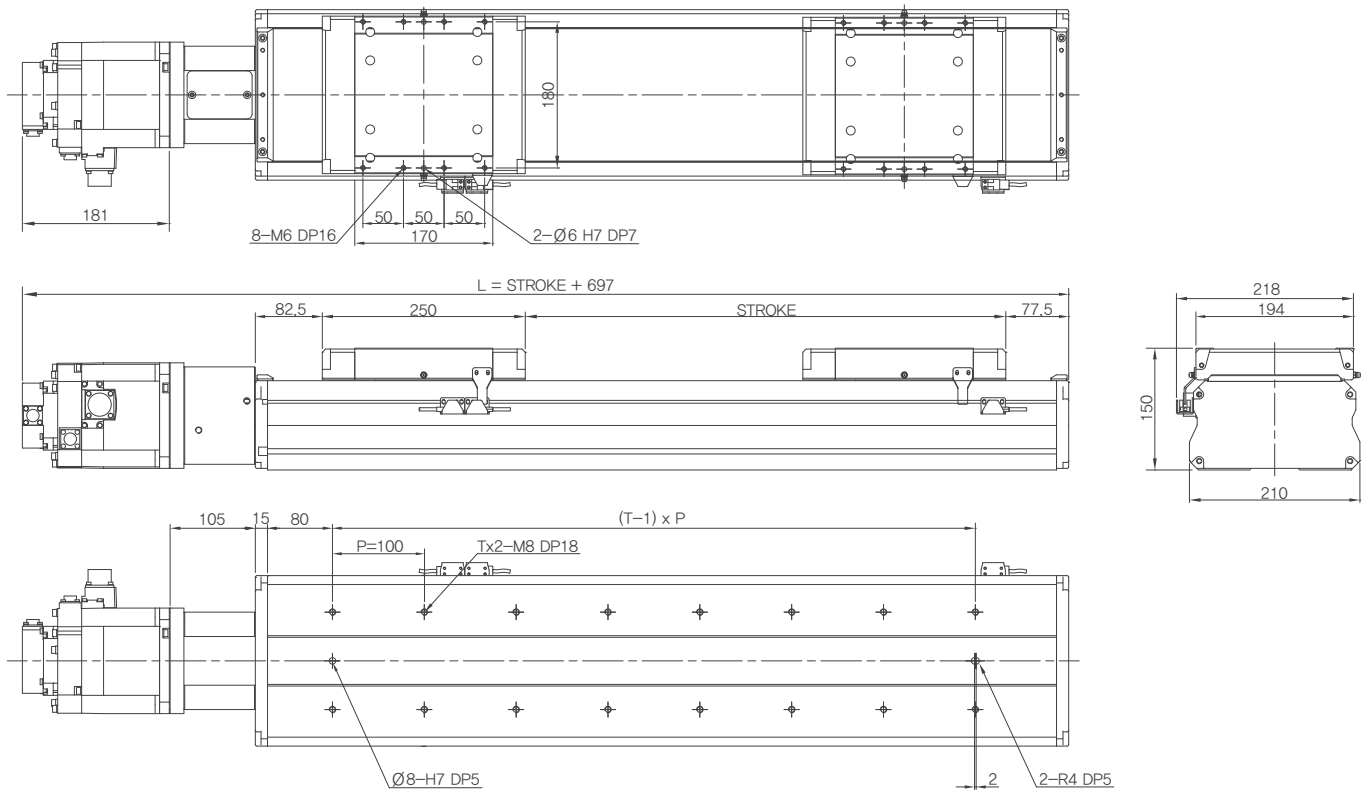
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-
Product weight (kg)	27.2	29.9	32.6	35.3	38	40.7	43.4	46.1	48.8	51.5	54.2	56.9	59.6	62.3	65	-	-	-	-	-
Rear surface tab (T)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	-	-	-	-	-

CST210-SO



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	250	146.5/181	80	100

Basic Specifications

Motor	1.5KW			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	00	00	00
	Vertical	00	00	00
	Wall	00	00	00
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK		60kg	80kg	95kg
Horizontal	A	1000	750	620
	B	1200	900	700
	C	2100	1600	1350
Vertical	A	1300	950	750
	B	1900	1300	1000
	C	1200	950	700
Wall	A	1800	1400	1200
	B	1200	800	600
	C	900	700	550

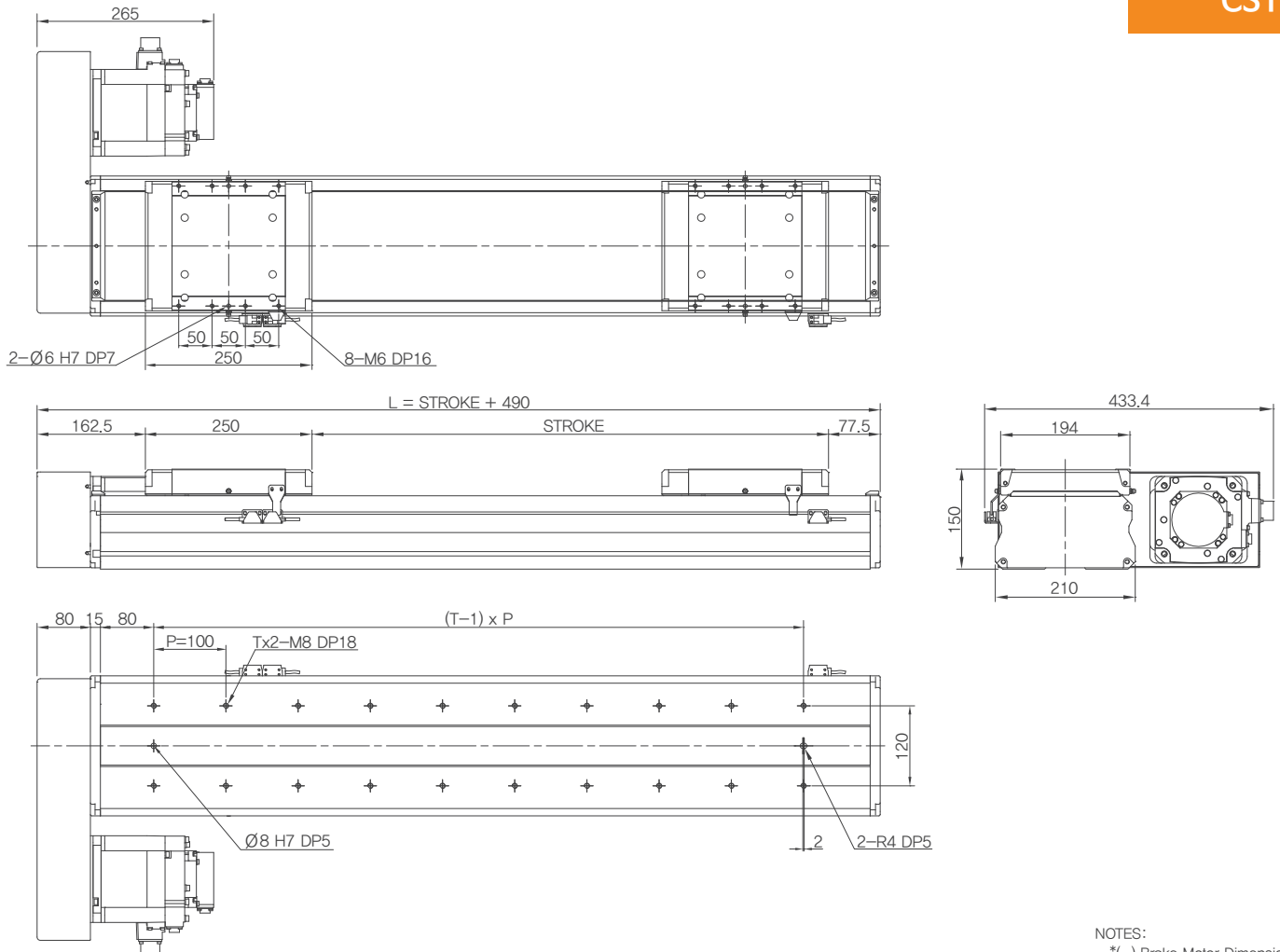
*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-
Product weight (kg)	27.2	29.9	32.6	35.3	38	40.7	43.4	46.1	48.8	51.5	54.2	56.9	59.6	62.3	65	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	-	-	-	-	-

CST210-PL(R)



NOTES:
 - * () Brake Motor Dimension
 - M2 : Brake Type

Dimensions

Stroke	Total length <L>	Table length <L1>	Motor length <M1/M2>	Started interval sub-tab <G>	Interval sub-tab <P>
S (mm)	L	250	146.5/181	80	100

Basic Specifications

Motor	1.5KW			
Ball Screw	Ø25 / C7			
Lead	5	10	20	
Maximum load (kg)	Horizontal	00	00	00
	Vertical	00	00	00
	Wall	00	00	00
Product life	20,000km			
Repetition accuracy	±20µm			
LM Guide	NO.25 2RAIL 4BLOCK			

Permissible Overhang Length

4 BLOCK			60kg	80kg	95kg
Horizontal	A		1000	750	620
	B		1200	900	700
	C		2100	1600	1350
Vertical	A		1300	950	750
	B		1900	1300	1000
	C		1200	950	700
Wall	A		1800	1400	1200
	B		1200	800	600
	C		900	700	550

*Measuring conditions : Speed 500mm/s, Stroke 500

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Max speed (mm/s)	L05	250	250	250	250	250	250	250	250	240	195	165	140	120	100	-	-	-	-	-
	L10	500	500	500	500	500	500	500	500	470	390	330	280	240	210	-	-	-	-	-
	L20	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	780	660	560	490	420	-	-	-	-
Product weight (kg)	27.2	29.9	32.6	35.3	38	40.7	43.4	46.1	48.8	51.5	54.2	56.9	59.6	62.3	65	-	-	-	-	-
Rear surface tab (T)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	-	-	-	-	-

TIMING BELT

03

SBT

... SBT130 / SBT160 / SBT210

SBT (Standard Belt Type)

MODEL CONFIGURATION

Model	Base Size	Type	Gear Ratio	Motor	Stroke	Sensor	Raydent
SBT	130	SLA	G3	M20	50	N	N
	160	SRA	G5	M40	100	AR / AL	R1
	210	SL	G7	M70	150	BR / BL	R2
		SR	G10		200	CR / CL	
		PTLA			~		
		PTRA			(50mm unit)		
		PTL					
		PTR					

1. Model

SBT : Standard Belt Type

2. Base Size : Width of the base (mm)

3. Type : Direction of motor

SLA : Motor Shaft Left Both *A:Both

SRA : Motor Shaft Right Both

SL : Motor Shaft Left

SR : Motor Shaft Right

PTLA : Parallel Top Shaft Left Both

PTRA : Parallel Top Shaft Right Both

PTL : Parallel Top Shaft Left

PTR : Parallel Top Shaft Right

4. Gear Ratio : The reduction ratio of the reducer

G3 _ 3:1 G7 _ 7:1

G5 _ 5:1 G10 _ 10:1

5. Motor : Motor capacity

(Motor are base on the Mitsubishi. If you want to use other products, please contact the main office and agency.)

M20 : 200W

M40 : 400W

M70 : 750W

6. Stroke : Transport distance

7. Sensor : Sensor type and direction

N : Not included

AR : OMRON (EE-674) Right side equipped

AL : OMRON (EE-674) Left side equipped

BR : SUNX (PM-F24) Right side equipped

BL : SUNX (PM-F24) Left side equipped

CR : SUNX (GX-F8) Right side equipped

CL : SUNX (GX-F8) Left side equipped

8. Raydent : Surface treatment

N : Not included

R1 : LM RAIL

R2 : LM RAIL + BLOCK

FEATURE

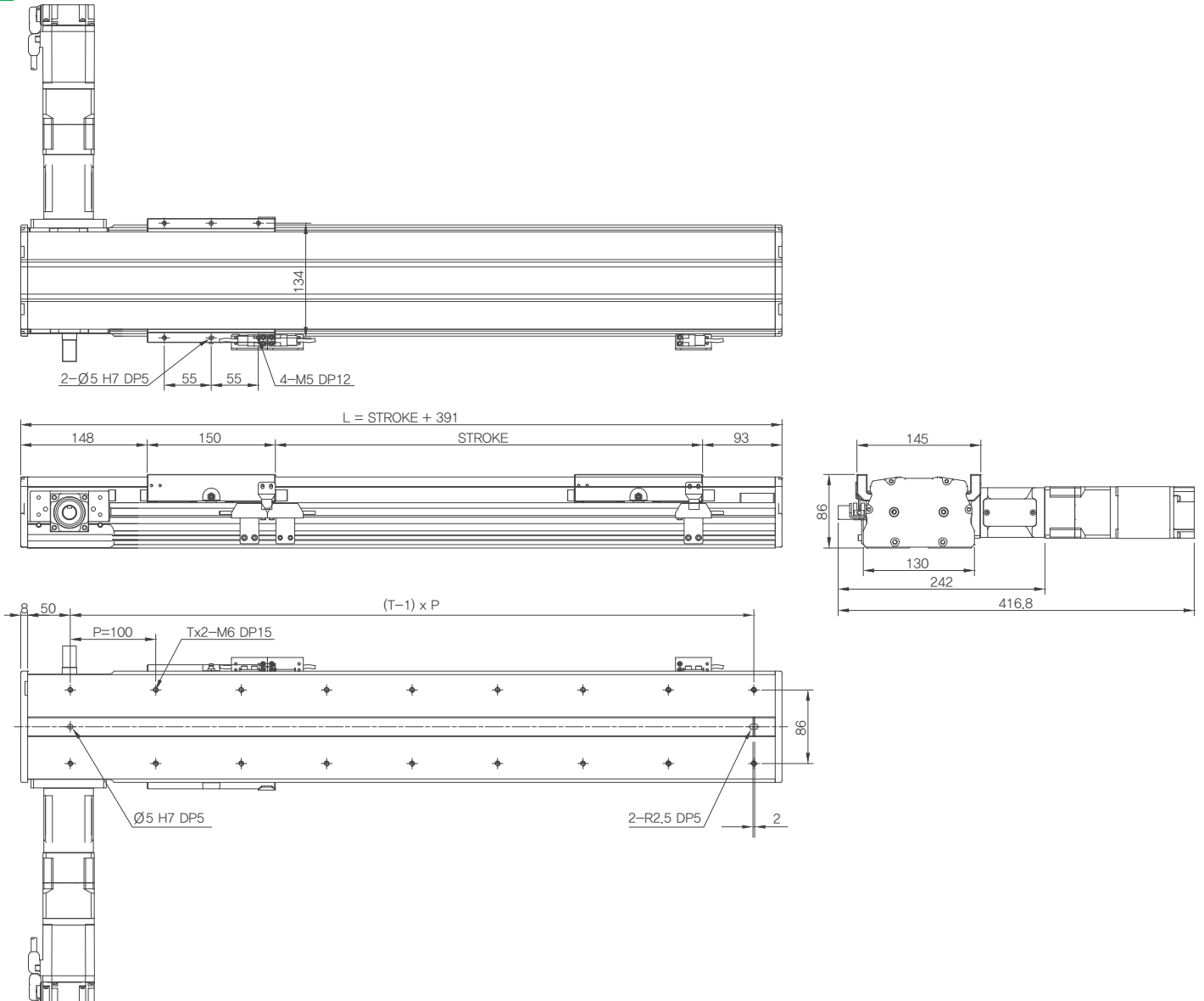
- Heavy load timing belts built-in steel wire apply
- Advantages for high-speed driving and long stroke
- Profiles structure of optimization through the FEM analysis
- Repetition accuracy within $\pm 0,1\text{mm}$
- Variety of Line up
- Simple maintenance structure
- High durability for load

CAUTION

- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature (0~40°C) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.



SBT130-SL(R)A



Basic Specifications

Motor	400W	
Pulley P.C.D	41.38	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2
	5	1.3
	10	0.6

Permissible Overhang Length

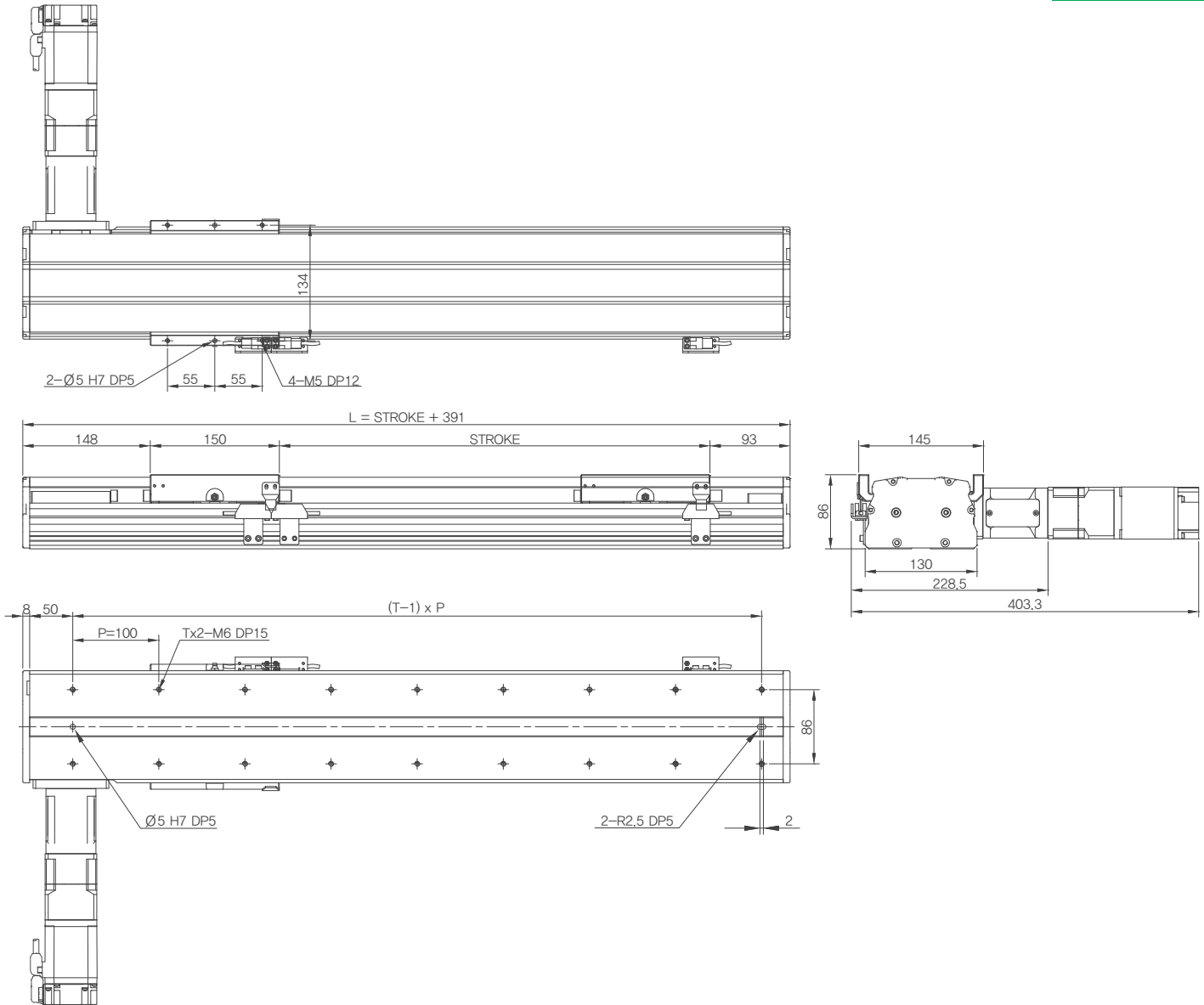
4 BLOCK		25kg	35kg	45kg
Horizontal	A	360	275	220
	B	295	215	165
	C	1500	1000	800
Vertical	A	200	145	115
	B	1500	1000	800
	C	200	125	80
Wall	A	930	610	430
	B	160	130	95
	C	245	150	90

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14.1	15.2	16.3	17.4	18.5	19.6	20.7	21.8	22.9	24	25.1	26.2	27.3	28.4	29.5	30.6	31.7	32.8	33.9	35	36.1	37.2	38.3	39.4	40.5	41.6
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34



Basic Specifications

Motor	400W	
Pulley P.C.D	41.38	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2
	5	1.3
	10	0.6

Permissible Overhang Length

4 BLOCK		25kg	35kg	45kg
Horizontal	A	360	275	220
	B	295	215	165
	C	1500	1000	800
Vertical	A	200	145	115
	B	1500	1000	800
	C	200	125	80
Wall	A	930	610	430
	B	160	130	95
	C	245	150	90

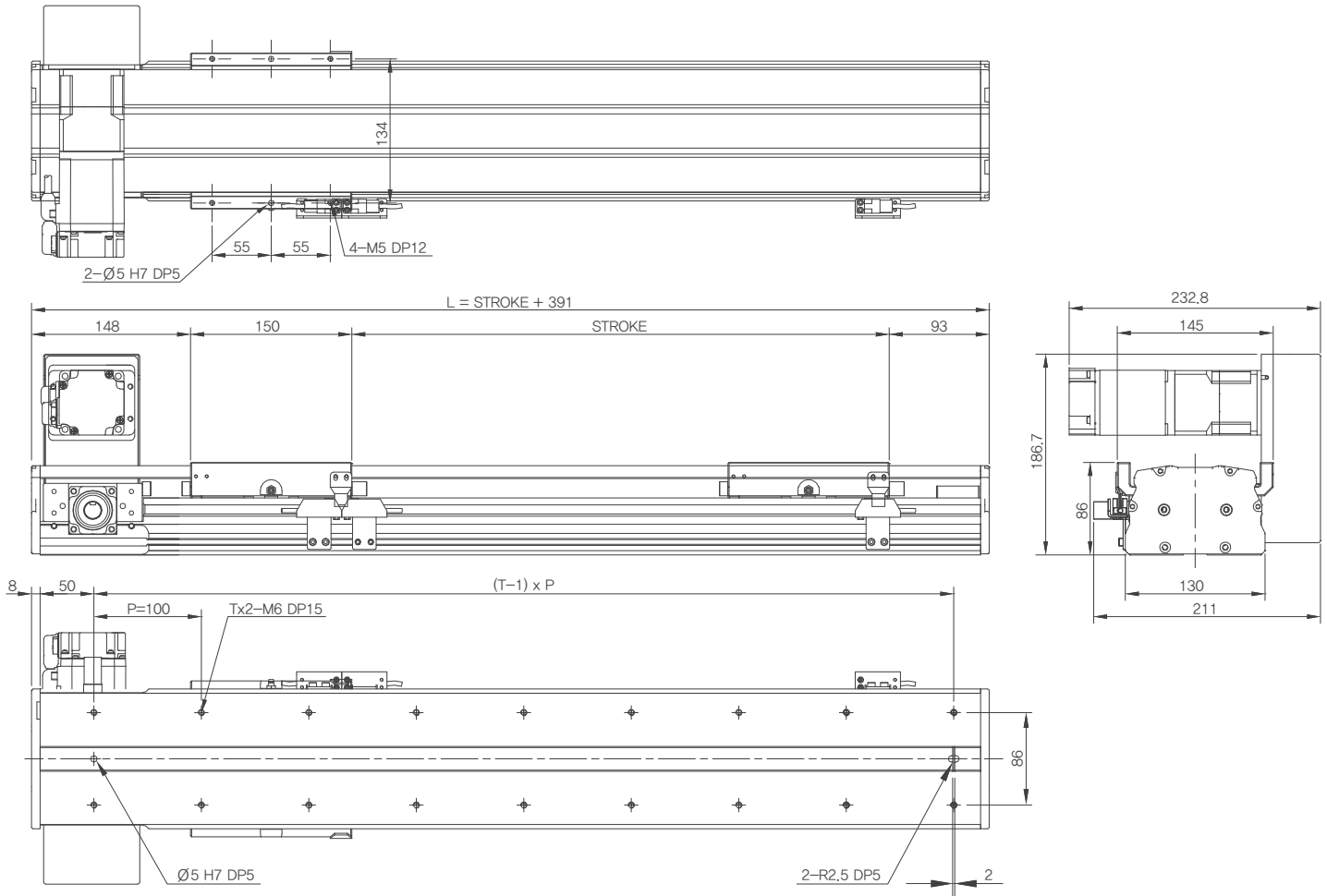
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14.1	15.2	16.3	17.4	18.5	19.6	20.7	21.8	22.9	24	25.1	26.2	27.3	28.4	29.5	30.6	31.7	32.8	33.9	35	36.1	37.2	38.3	39.4	40.5	41.6
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT130-PTL(R)A



Basic Specifications

Motor	400W	
Pulley P.C.D	41,38	
Product life	20,000km	
Repetition accuracy	±0,1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2
	5	1.3
	10	0.6

Permissible Overhang Length

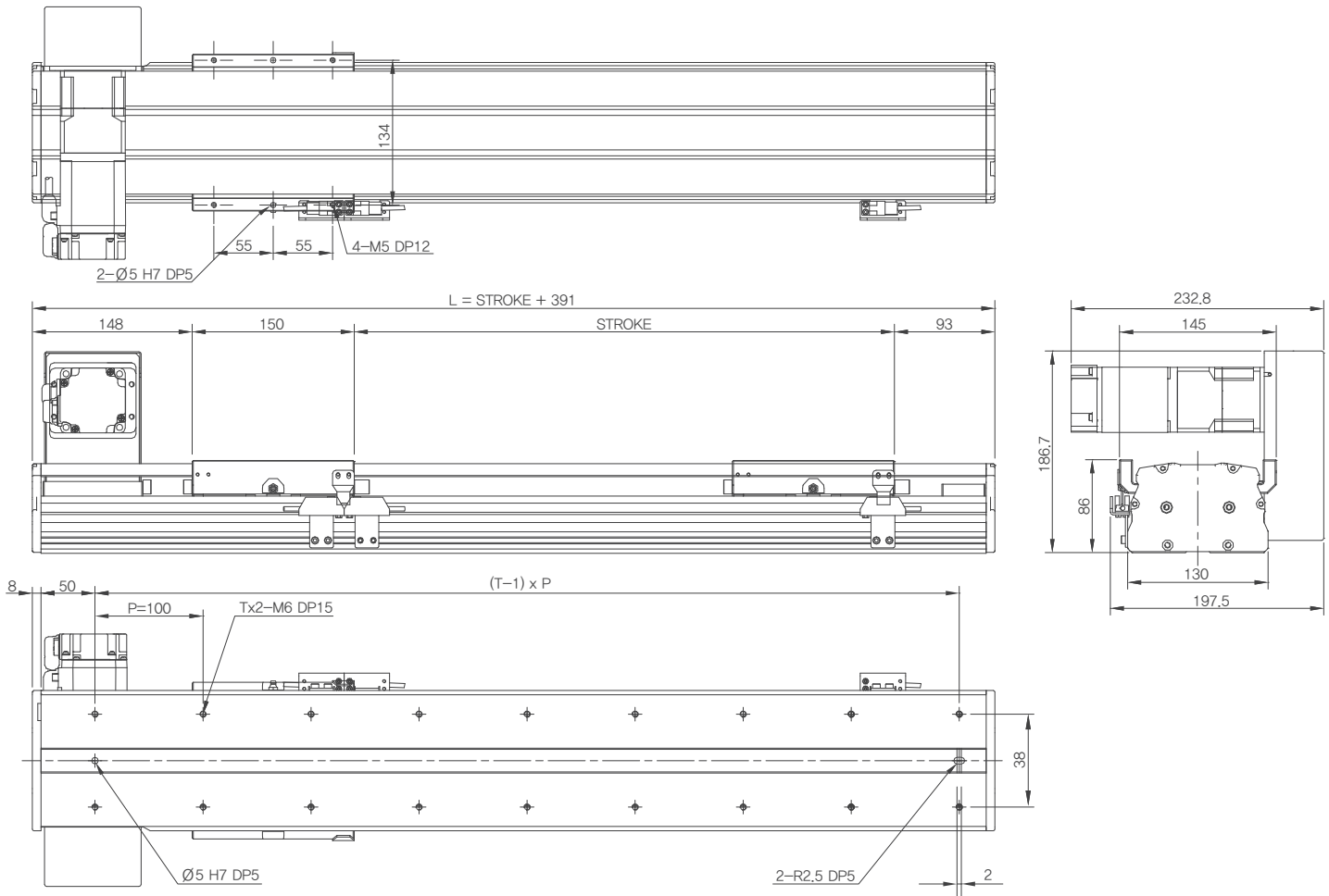
4 BLOCK		25kg	35kg	45kg
Horizontal	A	360	275	220
	B	295	215	165
	C	1500	1000	800
Vertical	A	200	145	115
	B	1500	1000	800
	C	200	125	80
Wall	A	930	610	430
	B	160	130	95
	C	245	150	90

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14.1	15.2	16.3	17.4	18.5	19.6	20.7	21.8	22.9	24	25.1	26.2	27.3	28.4	29.5	30.6	31.7	32.8	33.9	35	36.1	37.2	38.3	39.4	40.5	41.6
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34



Basic Specifications

Motor	400W	
Pulley P.C.D	41,38	
Product life	20,000km	
Repetition accuracy	±0,1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2
	5	1.3
	10	0.6

Permissible Overhang Length

		4 BLOCK	25kg	35kg	45kg
Horizontal	A		360	275	220
	B		295	215	165
	C		1500	1000	800
Vertical	A		200	145	115
	B		1500	1000	800
	C		200	125	80
Wall	A		930	610	430
	B		160	130	95
	C		245	150	90

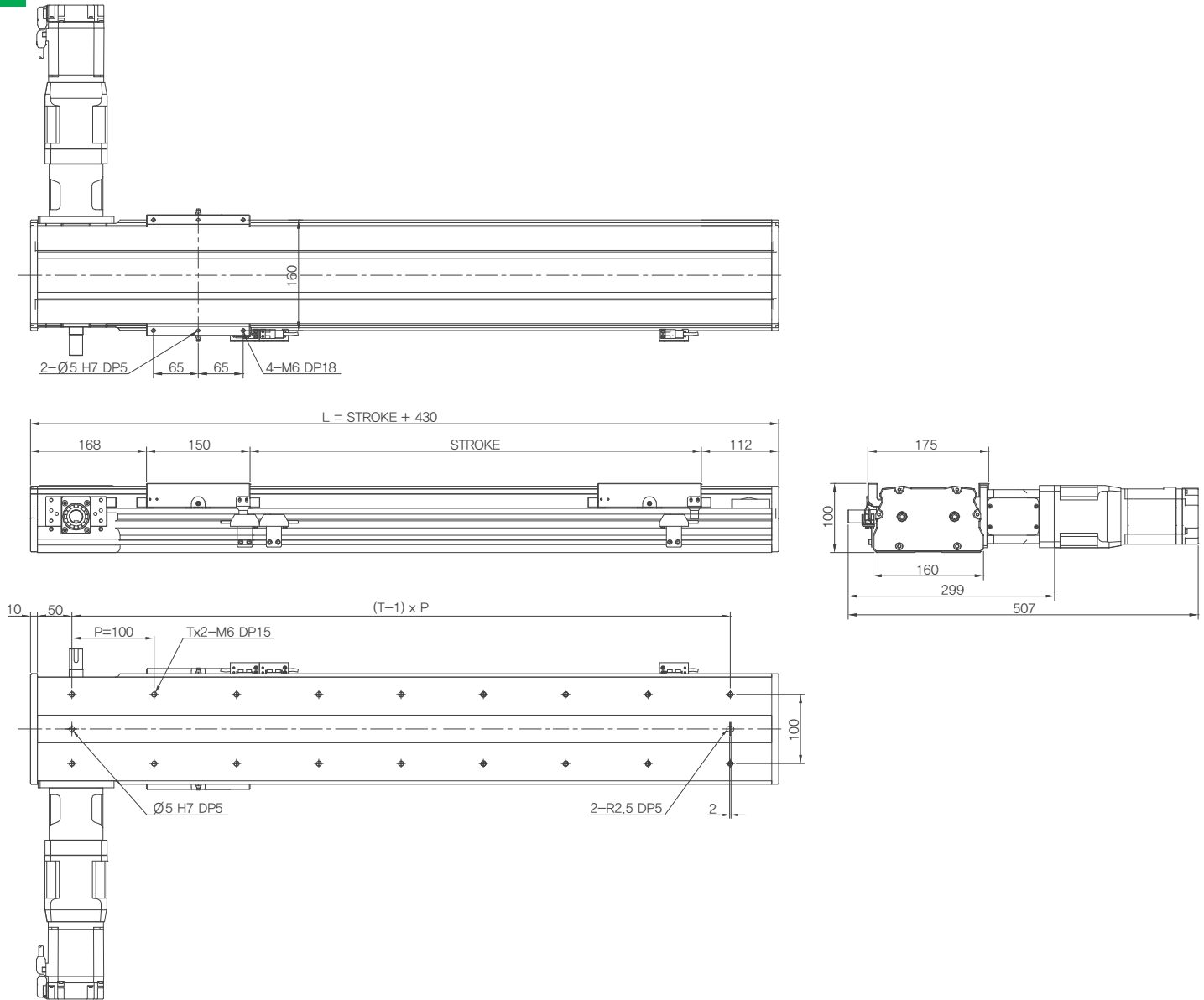
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14.1	15.2	16.3	17.4	18.5	19.6	20.7	21.8	22.9	24	25.1	26.2	27.3	28.4	29.5	30.6	31.7	32.8	33.9	35	36.1	37.2	38.3	39.4	40.5	41.6
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT160-SL(R)A



Basic Specifications

Motor	750W		
Pulley P.C.D	50.93		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO20, 2RAIL 4BLOCK		
Timing Belt	RPP5M W25		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	3	20	2.5
	5	34	1.6
	10	68	0.8

Permissible Overhang Length

4 BLOCK			35kg	55kg	65kg
Horizontal	A		690	430	360
	B		490	315	265
	C		2500	1500	1200
Vertical	A		500	320	270
	B		2500	1500	1200
	C		415	240	195
Wall	A		2630	1660	1360
	B		500	320	265
	C		630	370	290

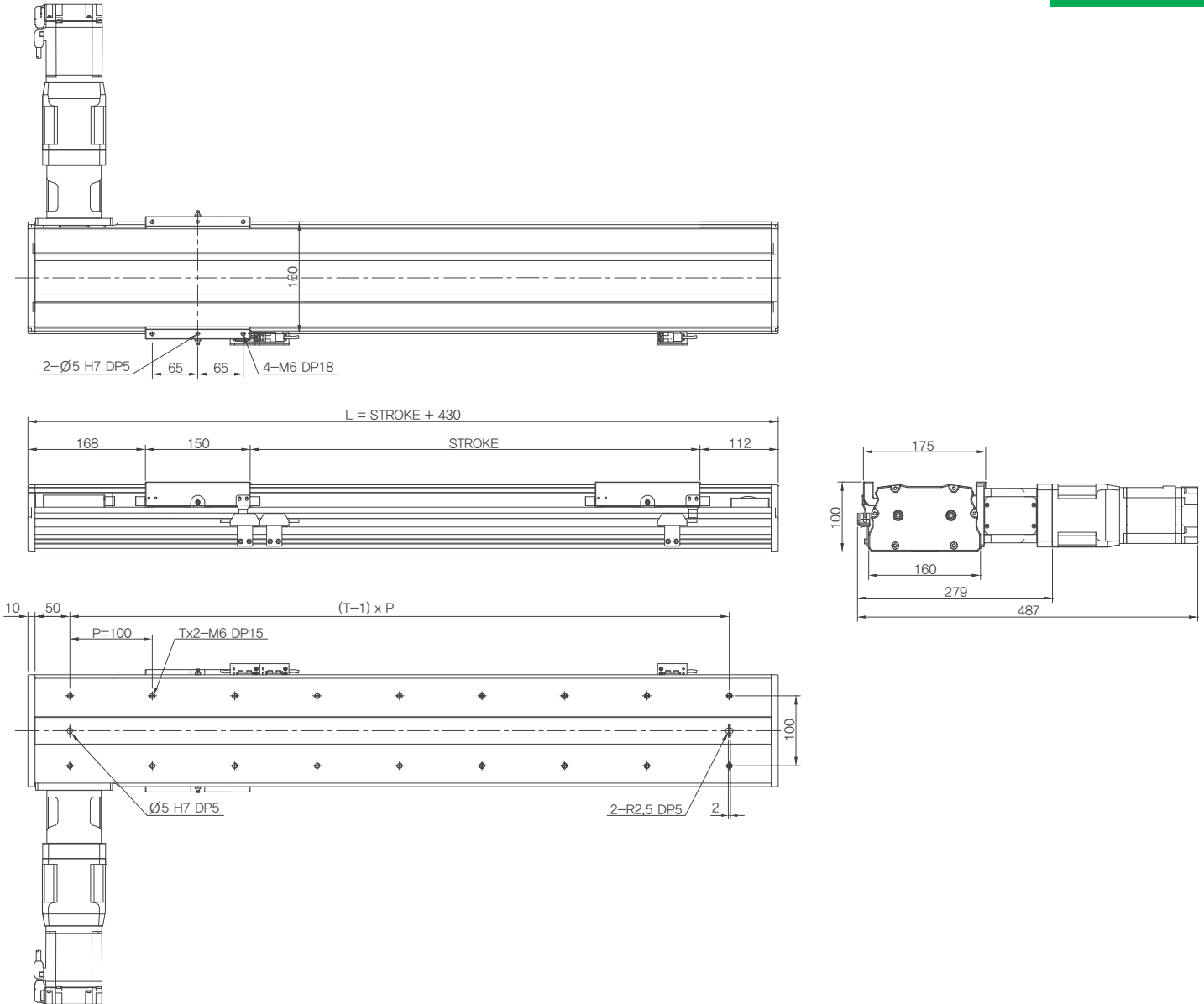
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	20.8	22.4	24	25.6	27.2	28.8	30.4	32	33.6	35.2	36.8	38.4	40	41.6	43.2	44.8	46.4	48	49.6	51.2	52.8	54.4	56	57.6	59.2	60.8
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT160-SL(R)



Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2.5
	5	1.6
	10	0.8

Permissible Overhang Length

4 BLOCK		35kg	55kg	65kg
Horizontal	A	690	430	360
	B	490	315	265
	C	2500	1500	1200
Vertical	A	500	320	270
	B	2500	1500	1200
	C	415	240	195
Wall	A	2630	1660	1360
	B	500	320	265
	C	630	370	290

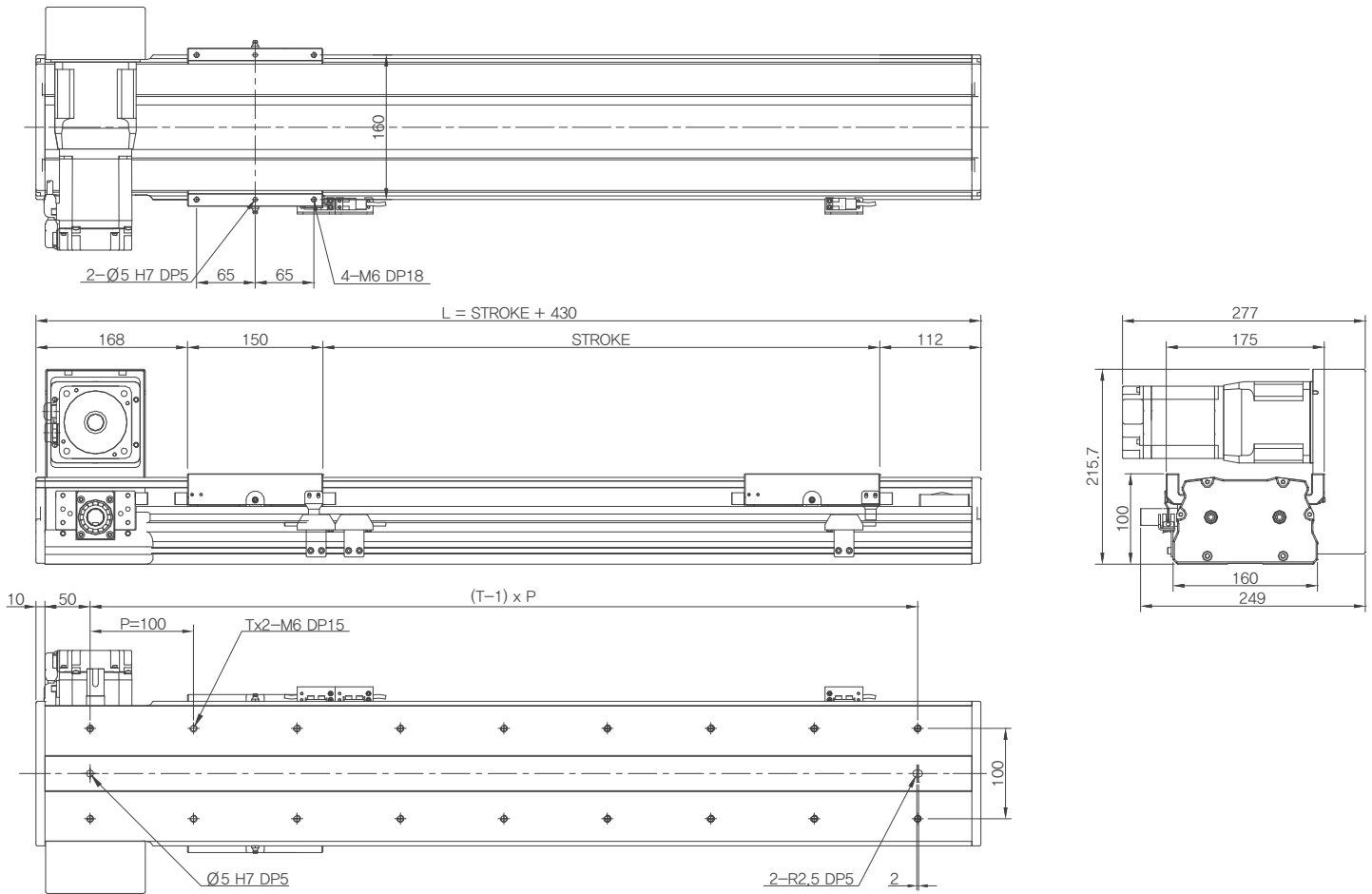
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	20.8	22.4	24	25.6	27.2	28.8	30.4	32	33.6	35.2	36.8	38.4	40	41.6	43.2	44.8	46.4	48	49.6	51.2	52.8	54.4	56	57.6	59.2	60.8
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT160-PTL(R)A



Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	20 2.5
	5	34 1.6
	10	68 0.8

Permissible Overhang Length

4 BLOCK			35kg	55kg	65kg
Horizontal	A		690	430	360
	B		490	315	265
	C		2500	1500	1200
Vertical	A		500	320	270
	B		2500	1500	1200
	C		415	240	195
Wall	A		2630	1660	1360
	B		500	320	265
	C		630	370	290

*Measuring conditions : Speed 1000mm/s, Stroke 1000

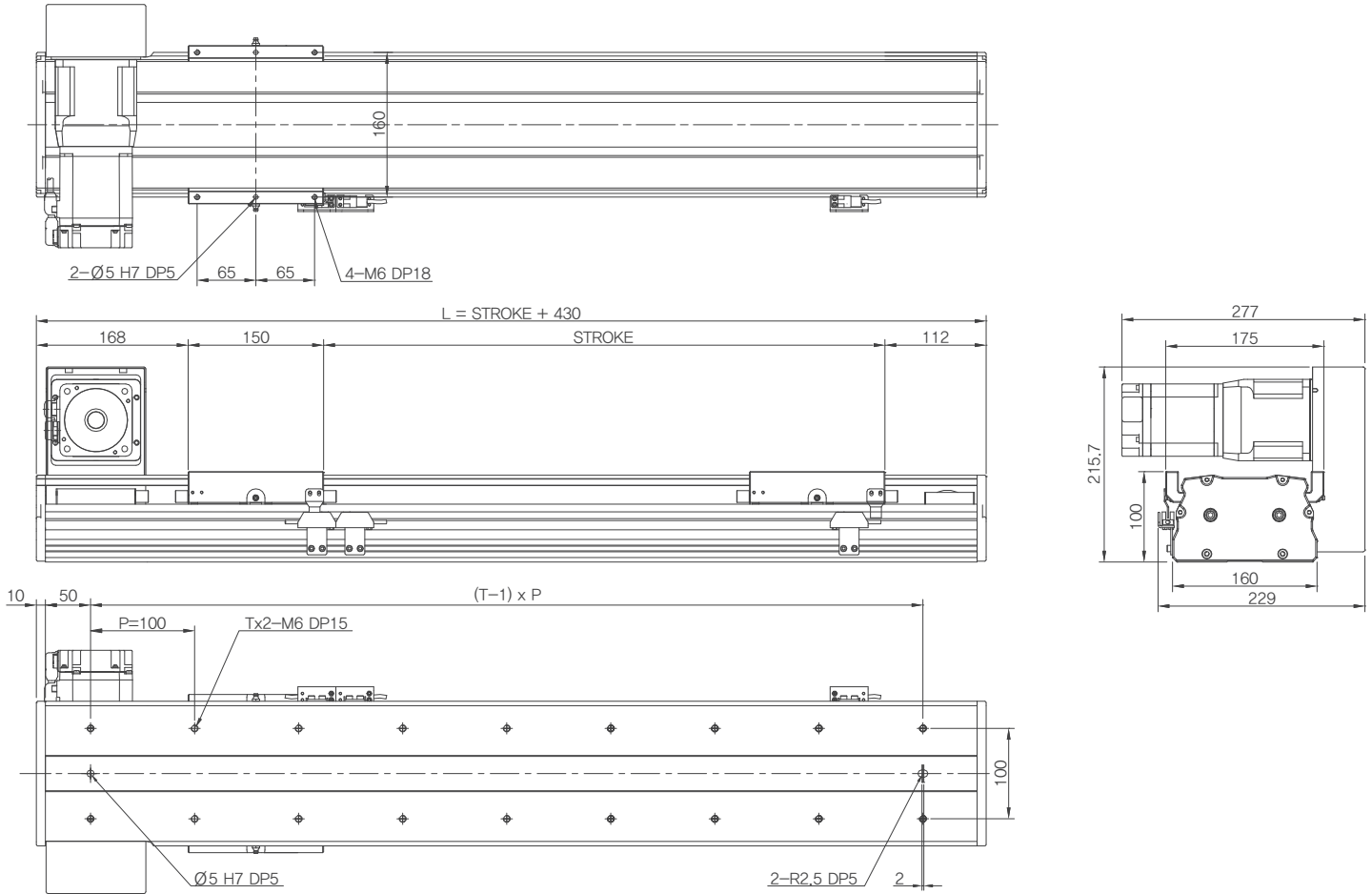
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	20.8	22.4	24	25.6	27.2	28.8	30.4	32	33.6	35.2	36.8	38.4	40	41.6	43.2	44.8	46.4	48	49.6	51.2	52.8	54.4	56	57.6	59.2	60.8
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT160-PTL(R)

03
SBT160



Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	20 2.5
	5	34 1.6
	10	68 0.8

Permissible Overhang Length

4 BLOCK		35kg	55kg	65kg
Horizontal	A	690	430	360
	B	490	315	265
	C	2500	1500	1200
Vertical	A	500	320	270
	B	2500	1500	1200
	C	415	240	195
Wall	A	2630	1660	1360
	B	500	320	265
	C	630	370	290

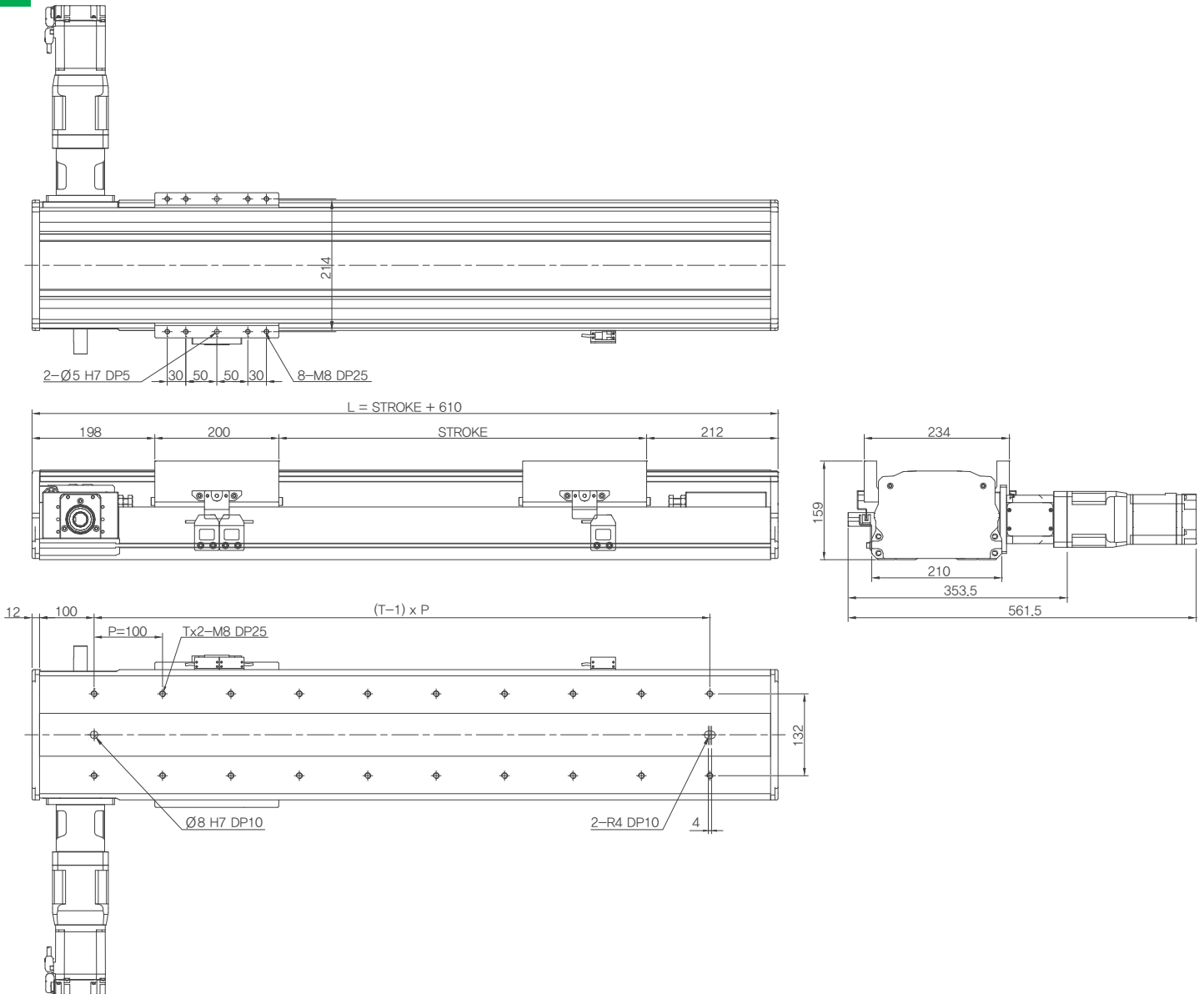
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	20.8	22.4	24	25.6	27.2	28.8	30.4	32	33.6	35.2	36.8	38.4	40	41.6	43.2	44.8	46.4	48	49.6	51.2	52.8	54.4	56	57.6	59.2	60.8
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

SBT210-SL(R)A



Basic Specifications

Motor	750W	
Pulley P.C.D	79.58	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 2RAIL 4BLOCK	
Timing Belt	RPP5M W50	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2.5
	10	1.3

Permissible Overhang Length

4 BLOCK		60kg	90kg	120kg
Horizontal	A	810	540	400
	B	860	580	420
	C	3000	2000	1200
Vertical	A	870	590	440
	B	3000	2000	1200
	C	750	480	330
Wall	A	3000	2000	1200
	B	830	550	395
	C	690	410	265

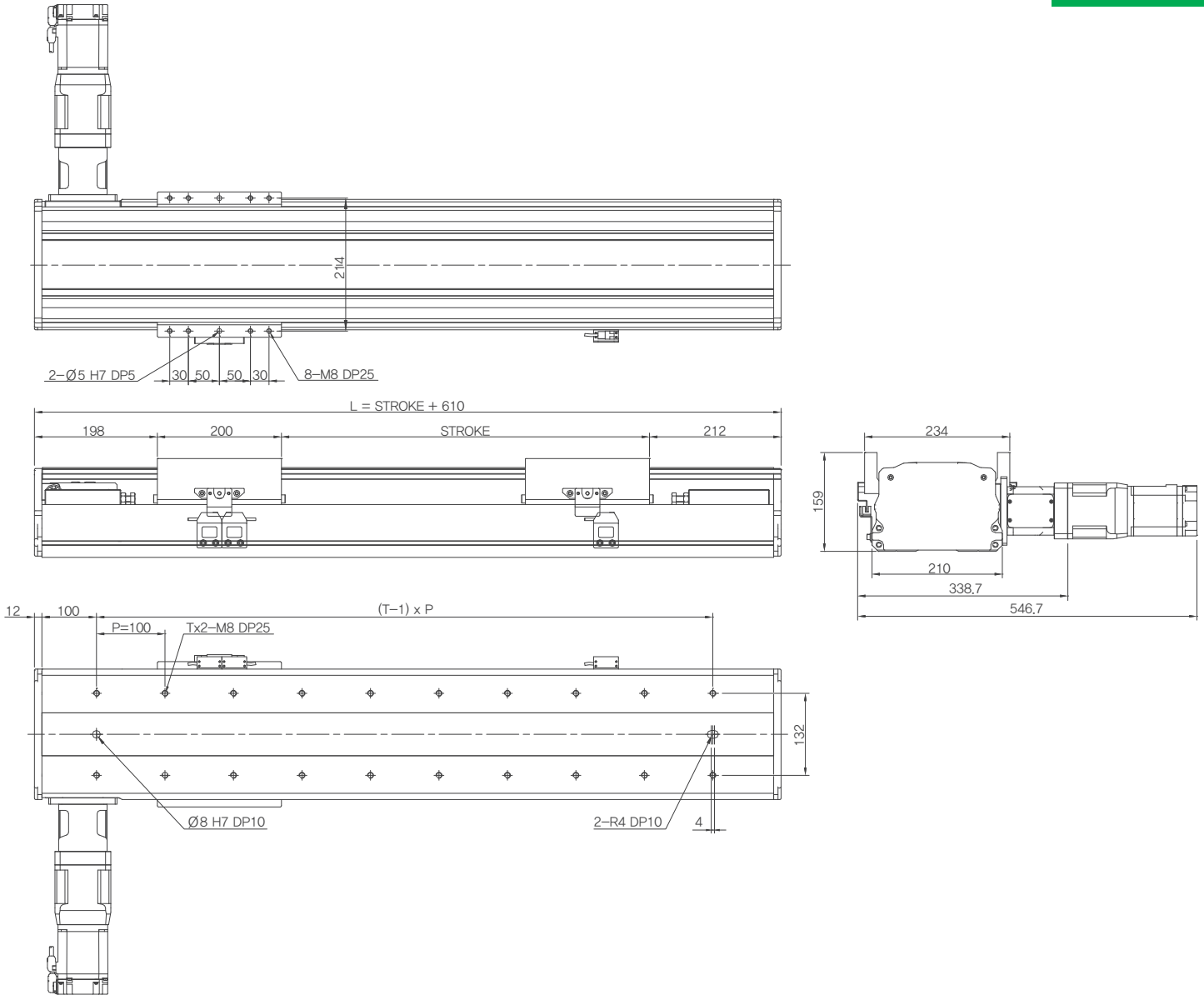
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	39.3	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60	62.3	64.6	66.9	69.2	71.5	73.8	76.1	78.4	80.7	83	85.3	87.6	89.9	92.2	94.5	96.8
Rear surface tab (T)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

SBT210-SL(R)



Basic Specifications

Motor	750W	
Pulley P.C.D	79.58	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 2RAIL 4BLOCK	
Timing Belt	RPP5M W50	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2.5
	10	1.3

Permissible Overhang Length

4 BLOCK		60kg	90kg	120kg
Horizontal	A	810	540	400
	B	860	580	420
	C	3000	2000	1200
Vertical	A	870	590	440
	B	3000	2000	1200
	C	750	480	330
Wall	A	3000	2000	1200
	B	830	550	395
	C	690	410	265

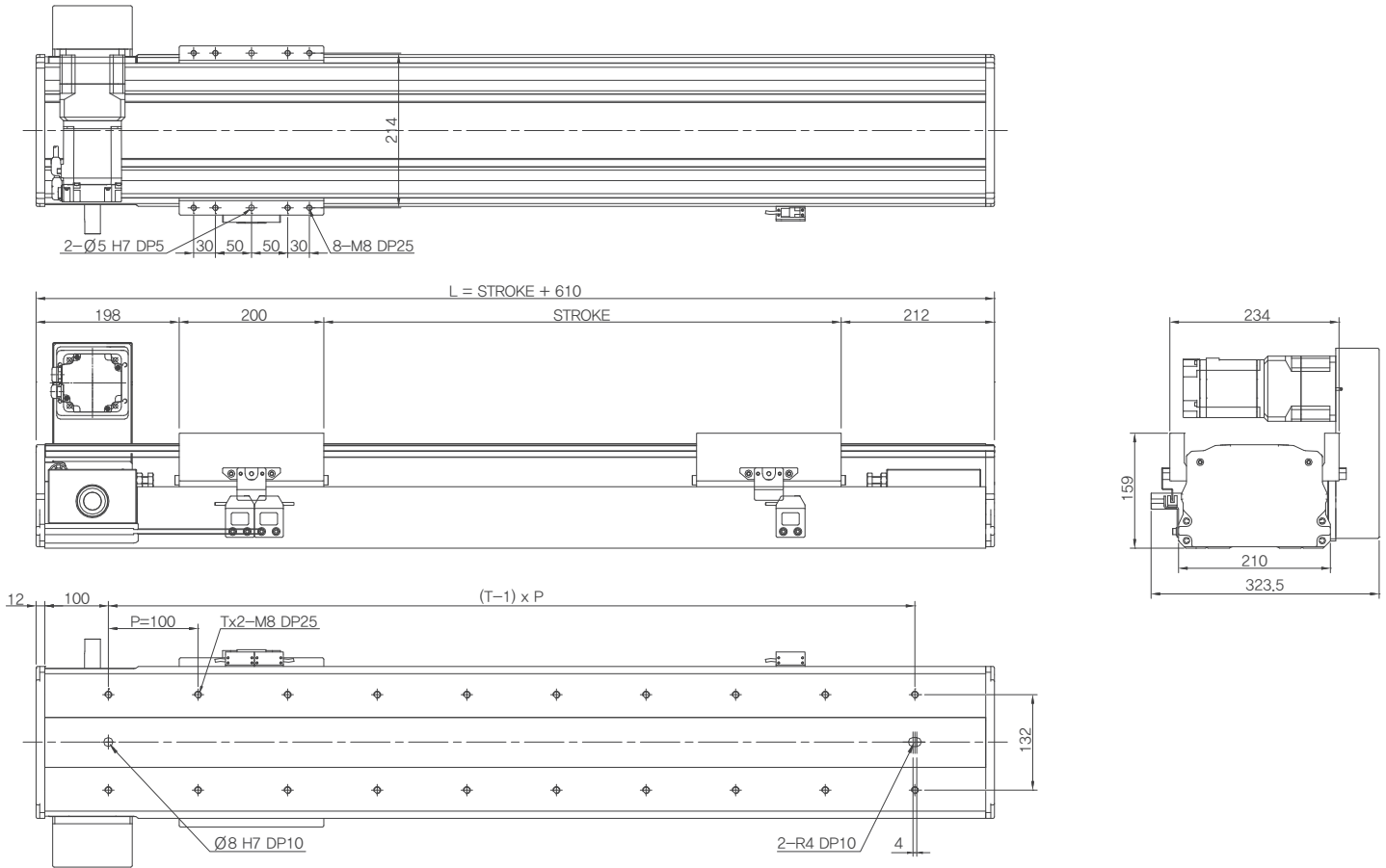
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	39.3	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60	62.3	64.6	66.9	69.2	71.5	73.8	76.1	78.4	80.7	83	85.3	87.6	89.9	92.2	94.5	96.8
Rear surface tab (T)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

SBT210-PTL(R)A



Basic Specifications

Motor	750W	
Pulley P.C.D	79.58	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 2RAIL 4BLOCK	
Timing Belt	RPP5M W50	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2.5
	10	1.3

Permissible Overhang Length

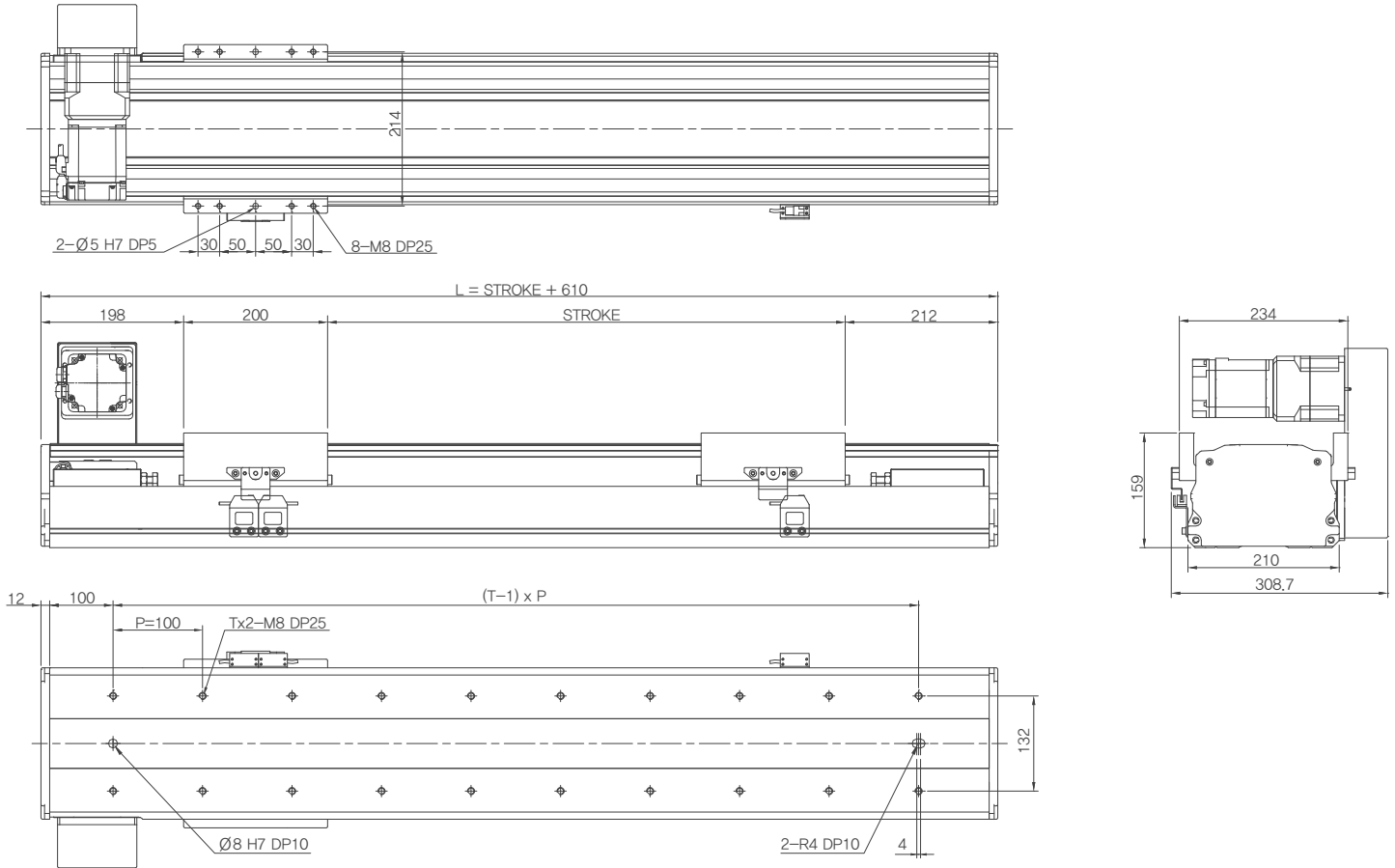
4 BLOCK		60kg	90kg	120kg
Horizontal	A	810	540	400
	B	860	580	420
	C	3000	2000	1200
Vertical	A	870	590	440
	B	3000	2000	1200
	C	750	480	330
Wall	A	3000	2000	1200
	B	830	550	395
	C	690	410	265

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	39.3	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60	62.3	64.6	66.9	69.2	71.5	73.8	76.1	78.4	80.7	83	85.3	87.6	89.9	92.2	94.5	96.8
Rear surface tab (T)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35



Basic Specifications

Motor	750W	
Pulley P.C.D	79.58	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 2RAIL 4BLOCK	
Timing Belt	RPP5M W50	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2.5
	10	1.3

Permissible Overhang Length

4 BLOCK		60kg	90kg	120kg
Horizontal	A	810	540	400
	B	860	580	420
	C	3000	2000	1200
Vertical	A	870	590	440
	B	3000	2000	1200
	C	750	480	330
Wall	A	3000	2000	1200
	B	830	550	395
	C	690	410	265

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	39.3	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60	62.3	64.6	66.9	69.2	71.5	73.8	76.1	78.4	80.7	83	85.3	87.6	89.9	92.2	94.5	96.8
Rear surface tab (T)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

TIMING BELT

04

CBT

... CBT45 / CBT65 / CBT80 / CBT110 / CBT140 / CBT170 / CBT240

CBT (Clean Belt Type)

MODEL CONFIGURATION

Model	Base Size	Type	Gear Ratio	Motor	Stroke	Sensor	Raydent	Guide Rail
CBT	45	SLA	G3	M20	50	N	N	GR
CBT	45	SLA	G3	M10	50	N	N	GR
	65	SRA	G5	M20	100	AR / AL	R1	GL
	80	SL	G7	M40	150	BR / BL	R2	
	110	SR	G10	M70	200	CR / CL		
	140	PTLA	G20	M100	~			
	170	PTRA		M150	(50mm unit)			
	240	PTL						
		PTR						

1. Model

CBT : Clean Belt Type

2. Base Size : Width of the base (mm)

3. Type : Direction of motor

SLA : Motor Shaft Left Both *A:Both

SRA : Motor Shaft Right Both

SL : Motor Shaft Left

SR : Motor Shaft Right

PTLA : Parallel Top Shaft Left Both

PTRA : Parallel Top Shaft Right Both

PTL : Parallel Top Shaft Left

PTR : Parallel Top Shaft Right

4. Gear Ratio : The reduction ratio of the reducer

G3 _ 3:1 G10 _ 10:1

G5 _ 5:1 G20 _ 20:1

G7 _ 7:1

5. Motor : Motor capacity

(Motor are base on the Mitsubishi. If you want to use other products, please contact the main office and agency.)

M10 : 100W M70 : 750W

M20 : 200W M100 : 1KW

M40 : 400W M150 : 1.5KW

6. Stroke : Transport distance

7. Sensor : Sensor type and direction

N : Not included

AR : OMRON (EE-674) Right side equipped

AL : OMRON (EE-674) Left side equipped

BR : SUNX (PM-F24) Right side equipped

BL : SUNX (PM-F24) Left side equipped

CR : SUNX (GX-F8) Right side equipped

CL : SUNX (GX-F8) Left side equipped

8. Raydent : Surface treatment

N : Not included

R1 : LM RAIL

R2 : LM RAIL + BLOCK

9. Guide Rail : Auxiliary rail (some items)

GR : Guide rail Right side

GL : Guide rail Left side

FEATURE

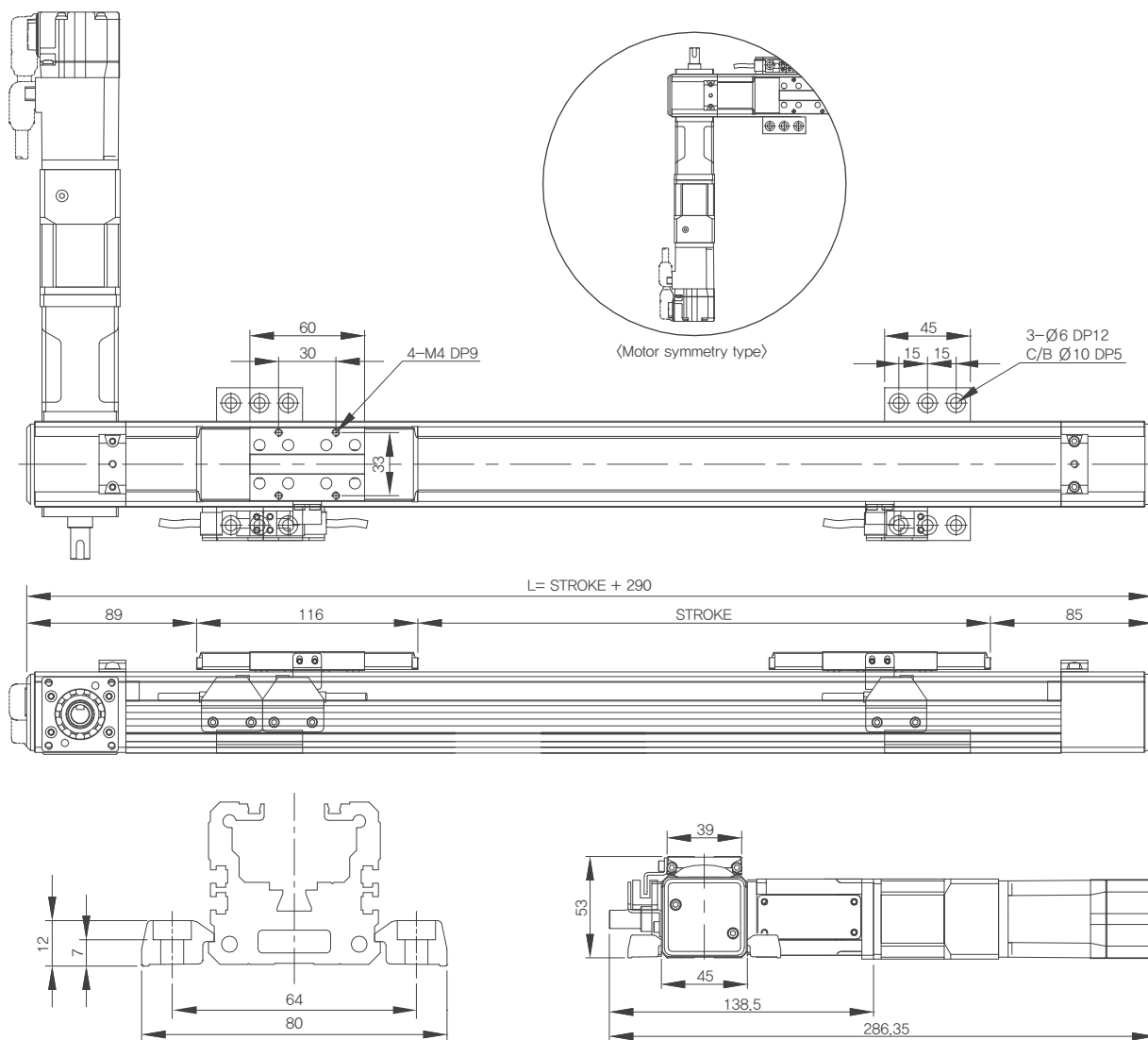
- Particle minimization with the patent structure of noncontact the upper surface
- Heavy load timing belts built-in steel wire apply
- Advantages for high-speed driving and long stroke
- Profiles structure of optimization through the FEM analysis
- Repetition accuracy within $\pm 0.1\text{mm}$
- Variety of Line up
- Simple maintenance structure
- High durability for load

CAUTION

- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature ($0\sim 40^{\circ}\text{C}$) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.



CBT45-SL(R)A



NOTES:
 - Please refer to the website detailed drawings about fixed floor clamps.
 The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	100W		
Pulley P.C.D	28.65		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO12, 1RAIL 2BLOCK		
Timing Belt	MA3		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	0.3	4.5
	3	4	1.5
	5	7	0.9
	7	9	0.6

Permissible Overhang Length

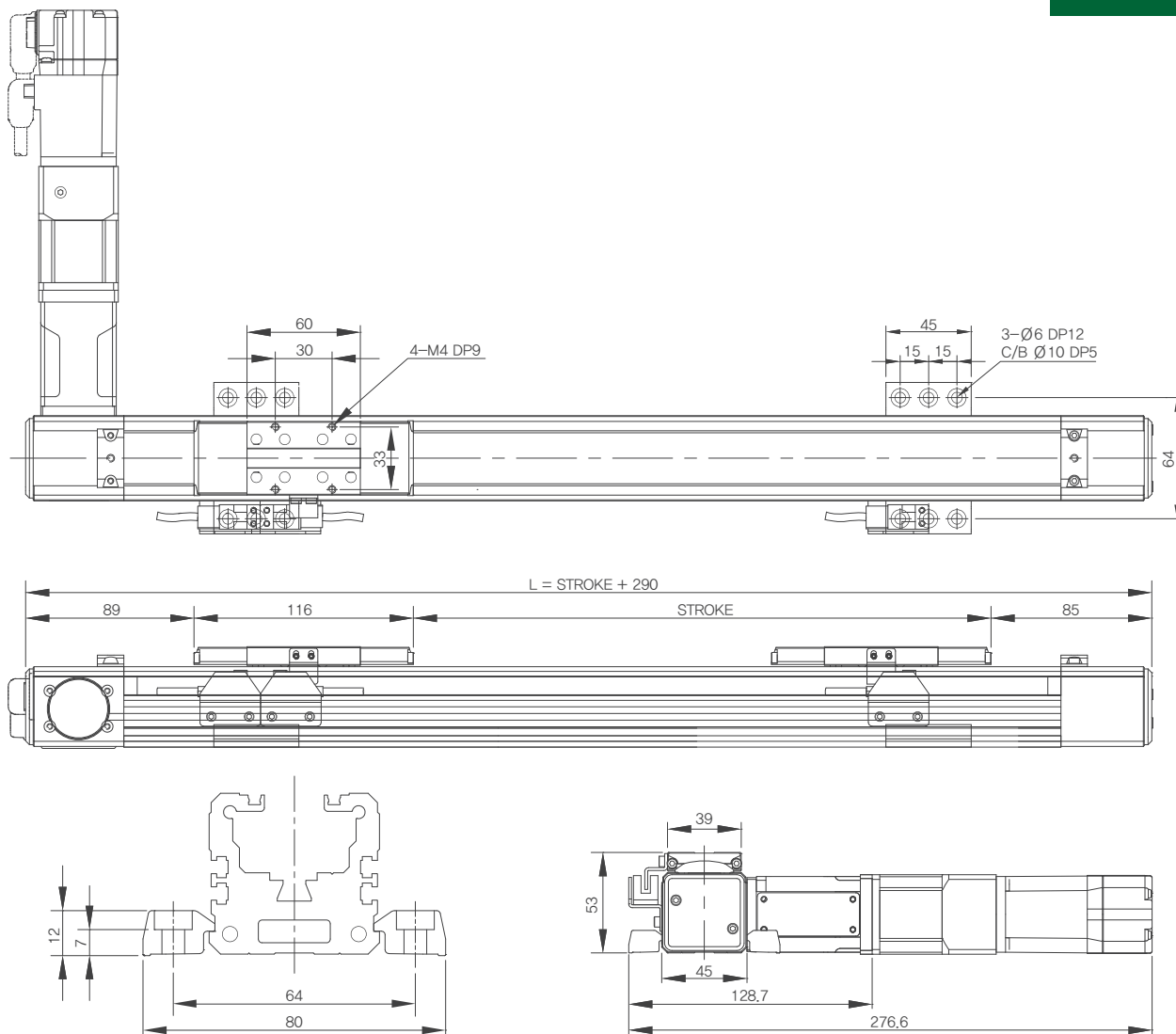
		2 BLOCK	2kg	4kg	7kg
Horizontal	A		120	60	30
	B		270	160	95
	C		1300	820	450
Vertical	A		220	110	50
	B		1300	820	450
	C		230	125	85
Wall	A		1100	630	240
	B		220	110	50
	C		110	50	15

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	2.6	3	3.4	3.8	4.2	4.6	5	5.4	5.8	6.2	6.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4		6				8		10		-																	



(Fixed floor unit mounting type)

NOTES:

- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	100W	
Pulley P.C.D	28.65	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO12, 1RAIL 2BLOCK	
Timing Belt	MA3	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	None	4.5
	3	1.5
	5	0.9
	7	0.6

Permissible Overhang Length

2 BLOCK		2kg	4kg	7kg
Horizontal	A	120	60	30
	B	270	160	95
	C	1300	820	450
Vertical	A	220	110	50
	B	1300	820	450
	C	230	125	85
Wall	A	1100	630	240
	B	220	110	50
	C	110	50	15

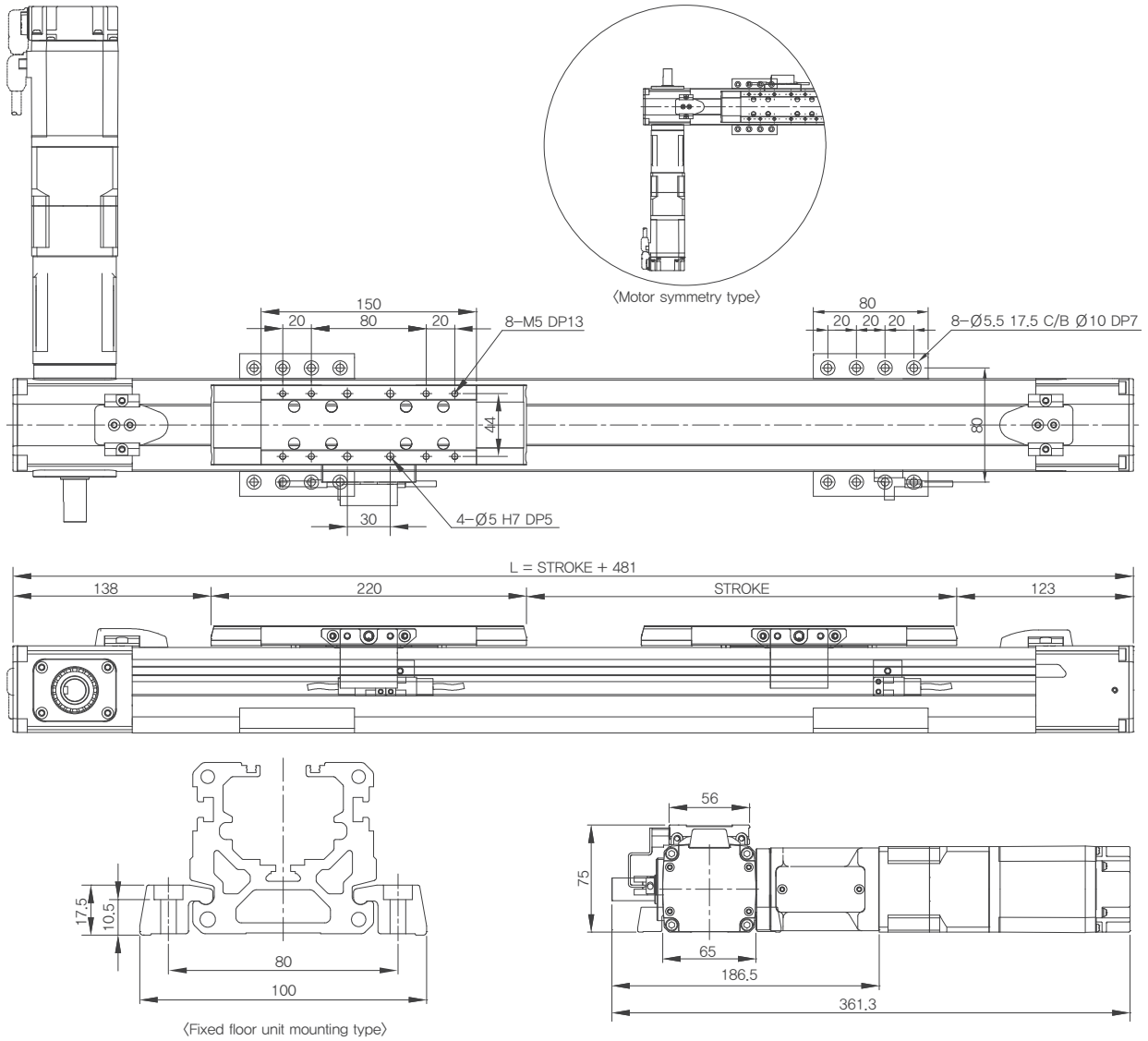
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	2.6	3	3.4	3.8	4.2	4.6	5	5.4	5.8	6.2	6.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rear surface tab (T)	4				6				8		10		-															

CBT65-SL(R)A



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	400W		
Pulley P.C.D	39.79		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO15, 1RAIL 2BLOCK		
Timing Belt	RPP5M W15		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	3	4
	3	13	2
	5	18	1.3

Permissible Overhang Length

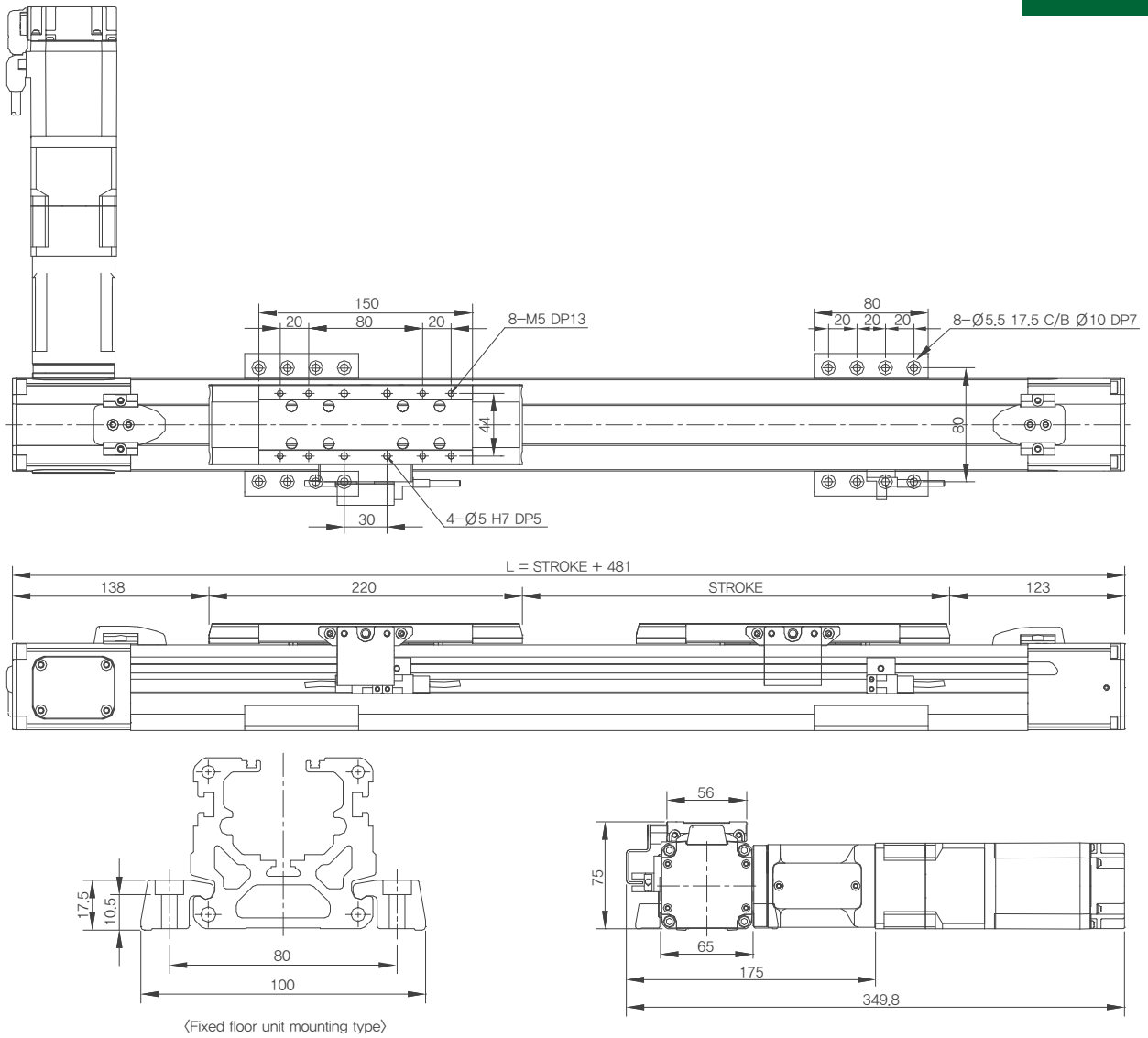
2 BLOCK		4kg	9kg	17kg
Horizontal	A	260	115	45
	B	1200	660	360
	C	3100	1300	1000
Vertical	A	880	400	190
	B	3100	1300	1000
	C	1100	520	240
Wall	A	3100	1300	500
	B	820	350	120
	C	260	100	30

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	6.2	7	7.8	8.6	9.4	10.2	11	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8
Rear surface tab (T)	4		6			8			10			12			14			16			18							



NOTES:
 - Please refer to the website detailed drawings about fixed floor clamps.
 The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	400W		
Pulley P.C.D	39.79		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO15, 1RAIL 2BLOCK		
Timing Belt	RPP5M W15		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	3	4
	3	13	2
	5	18	1.3

Permissible Overhang Length

2 BLOCK		4kg	9kg	17kg
Horizontal	A	260	115	45
	B	1200	660	360
	C	3100	1300	1000
Vertical	A	880	400	190
	B	3100	1300	1000
	C	1100	520	240
Wall	A	3100	1300	500
	B	820	350	120
	C	260	100	30

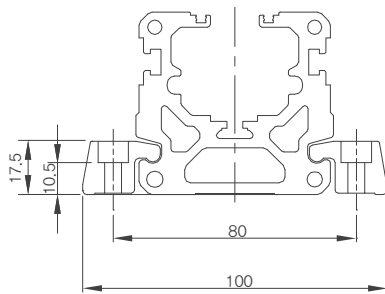
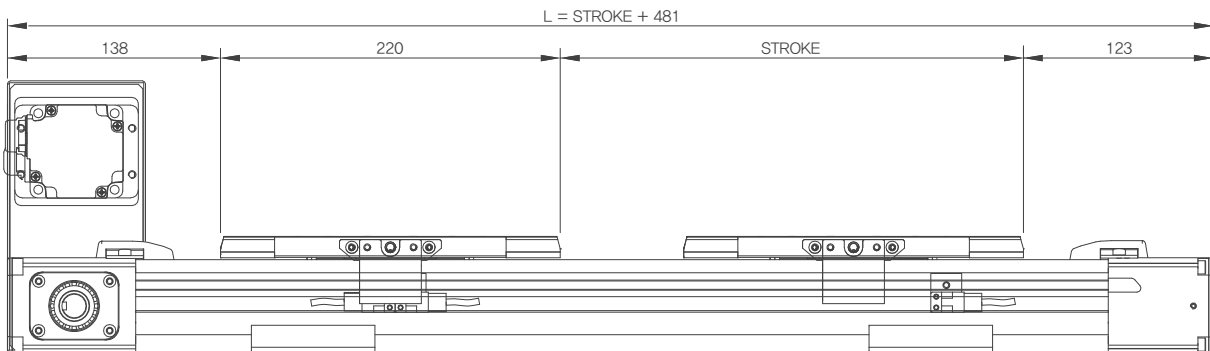
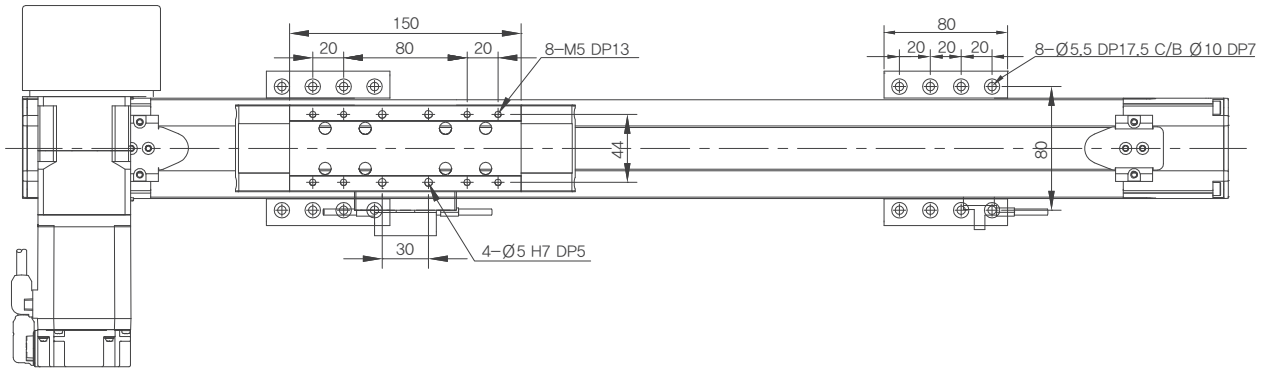
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

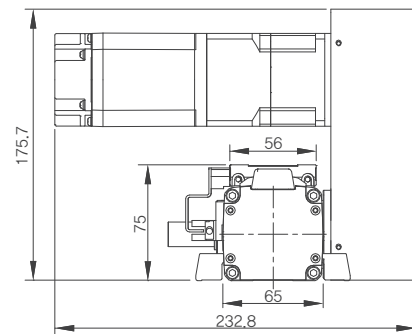
*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	6.2	7	7.8	8.6	9.4	10.2	11	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8
Rear surface tab (T)	4		6			8			10			12			14			16			18							

CBT65-PTL(R)A



(Fixed floor unit mounting type)



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	400W		
Pulley P.C.D	39.79		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO15, 1RAIL 2BLOCK		
Timing Belt	RPP5M W15		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	3	4
	3	13	2
	5	18	1.3

Permissible Overhang Length

2 BLOCK		4kg	9kg	17kg
Horizontal	A	260	115	45
	B	1200	660	360
	C	3100	1300	1000
Vertical	A	880	400	190
	B	3100	1300	1000
	C	1100	520	240
Wall	A	3100	1300	500
	B	820	350	120
	C	260	100	30

*Measuring conditions : Speed 1000mm/s, Stroke 1000

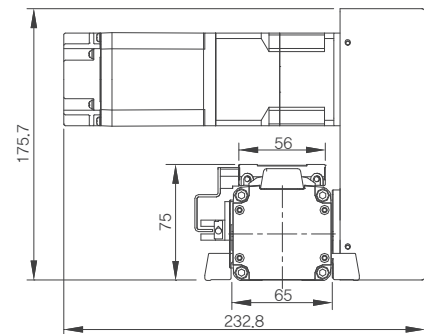
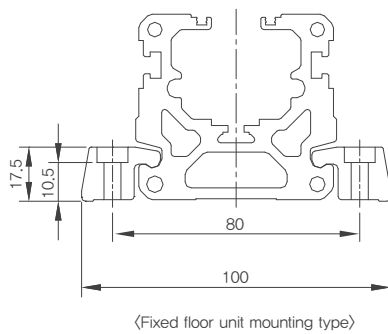
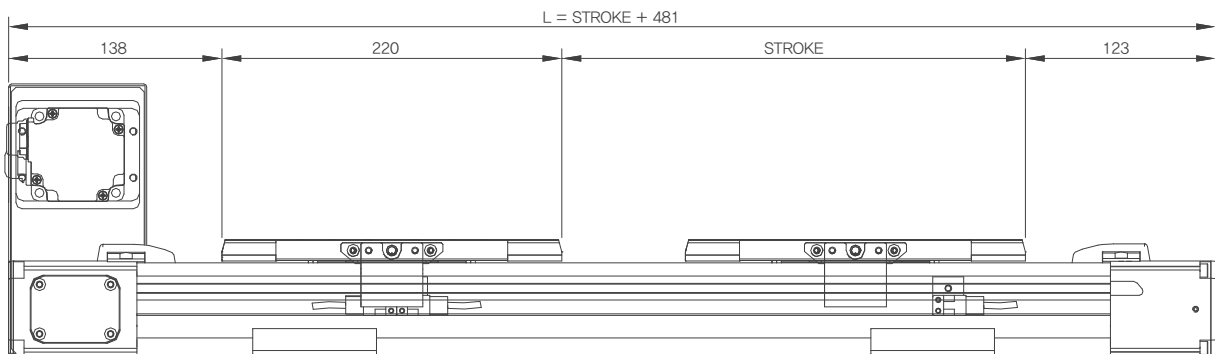
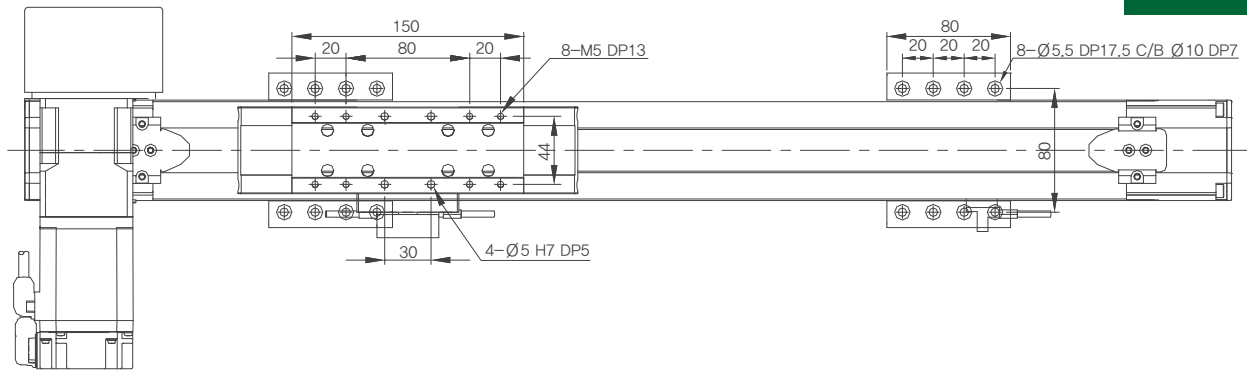
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	6.2	7	7.8	8.6	9.4	10.2	11	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8
Rear surface tab (T)	4		6		8		10		12		14		16		18													

CBT65-PTL(R)

04
CBT65



NOTES:
- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	400W		
Pulley P.C.D	39.79		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO15, 1RAIL 2BLOCK		
Timing Belt	RPP5M W15		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	3	4
	3	13	2
	5	18	1.3

Permissible Overhang Length

2 BLOCK		4kg	9kg	17kg
Horizontal	A	260	115	45
	B	1200	660	360
	C	3100	1300	1000
Vertical	A	880	400	190
	B	3100	1300	1000
	C	1100	520	240
Wall	A	3100	1300	500
	B	820	350	120
	C	260	100	30

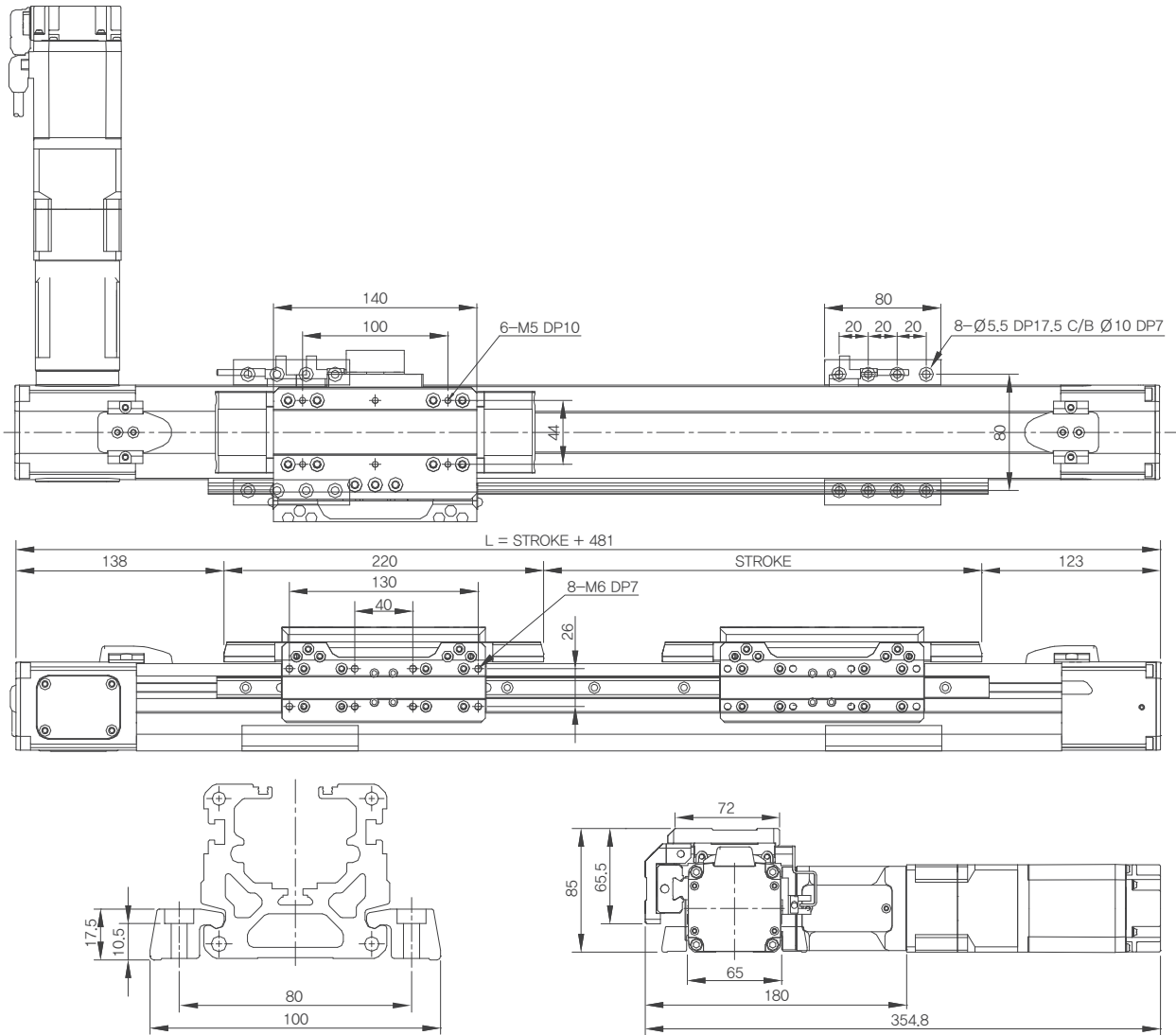
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	6.2	7	7.8	8.6	9.4	10.2	11	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8
Rear surface tab (T)	4		6		8		10		12		14		16		18													

CBT65-GL(R)



<Fixed floor unit mounting type>

NOTES:

- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	400W		
Pulley P.C.D	39.79		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO15, 2RAIL 4BLOCK		
Timing Belt	RPP5M W15		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	None	3	4
	3	13	2
	5	18	1.3

Permissible Overhang Length

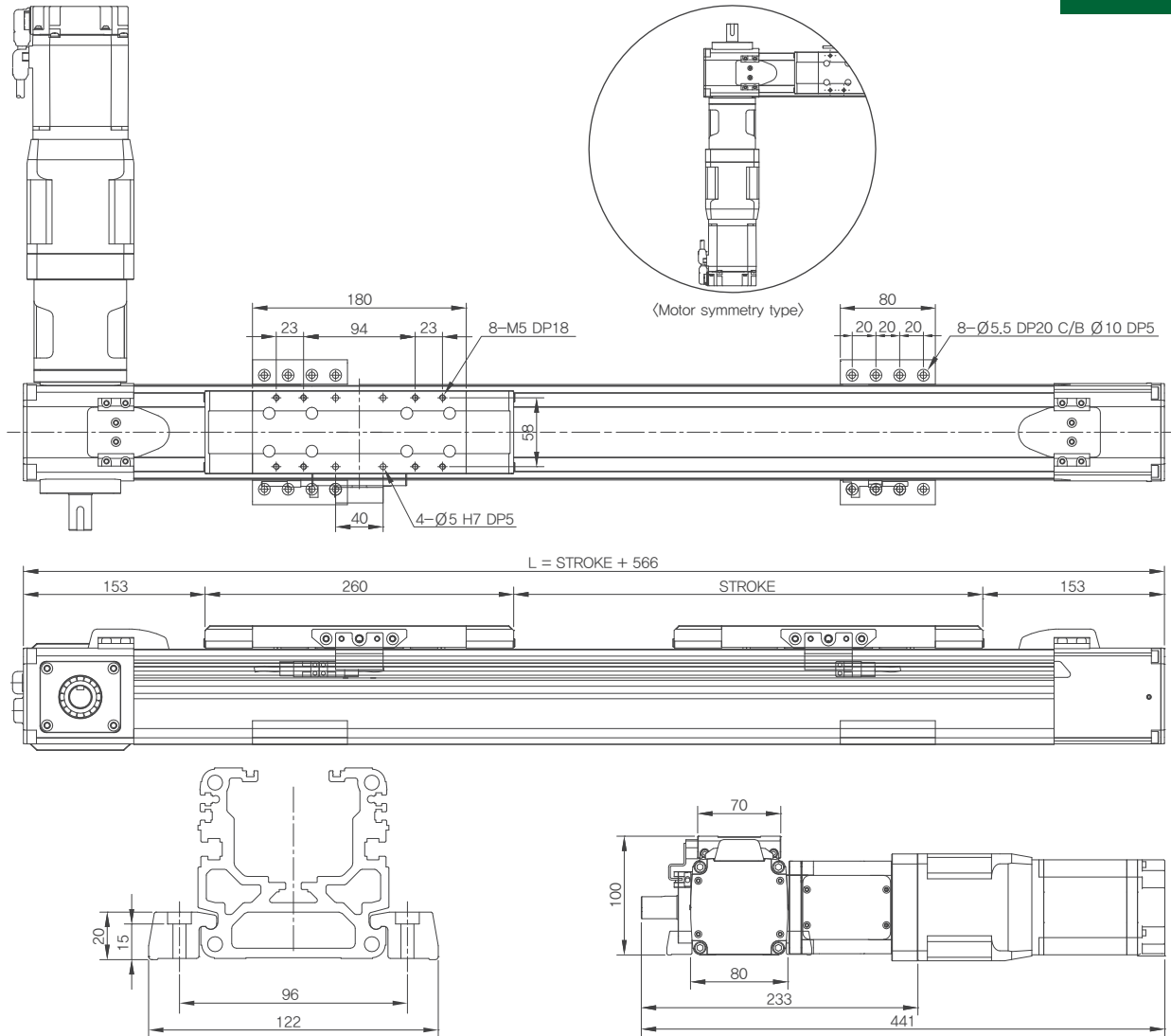
4 BLOCK		5kg	10kg	20kg
Horizontal	A	550	350	250
	B	1200	800	600
	C	3000	2000	1300
Vertical	A	670	450	350
	B	3000	2000	1300
	C	1100	750	550
Wall	A	2500	1500	1000
	B	900	550	400
	C	550	350	260

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	6.2	7	7.8	8.6	9.4	10.2	11	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8
Rear surface tab (T)	4		6		8		10		12		14		16		18													



〈Fixed floor unit mounting type〉

NOTES:

– Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 1RAIL 2BLOCK	
Timing Belt	RPP5M W35	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2.5
	5	1.5
	10	0.8

Permissible Overhang Length

2 BLOCK		17kg	27kg	40kg
Horizontal	A	110	65	35
	B	980	650	430
	C	2000	1500	1100
Vertical	A	900	570	350
	B	2000	1500	1100
	C	910	600	370
Wall	A	2000	1500	–
	B	650	300	–
	C	100	35	–

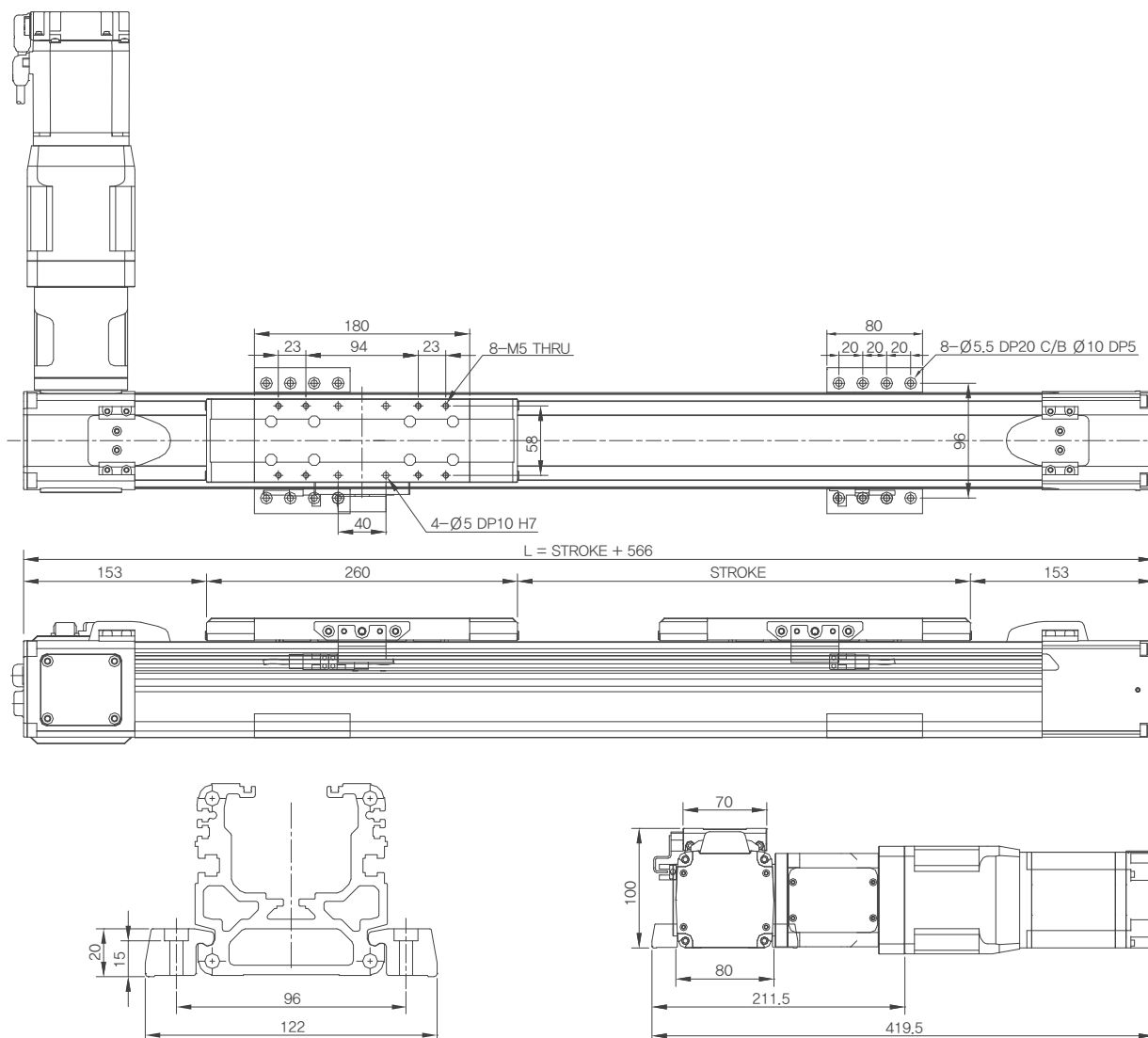
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	11.5	12.3	13.1	14	14.8	15.6	16.4	17.2	18	18.9	19.7	20.5	21.3	22.2	23	23.8	24.6	25.4	26.3	27.1	27.9	28.7	29.5	30.4	31.2	32	32.8	33.6
Rear surface tab (T)	4		6		8		10		12		14		16		18													

CBT80-SL(R)



<Fixed floor unit mounting type>

NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W		
Pulley P.C.D	50.93		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO20, 1RAIL 2BLOCK		
Timing Belt	RPP5M W35		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	3	18	2.5
	5	30	1.5
	10	65	0.8

Permissible Overhang Length

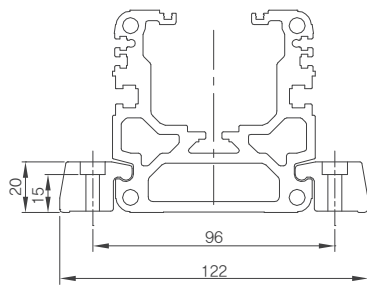
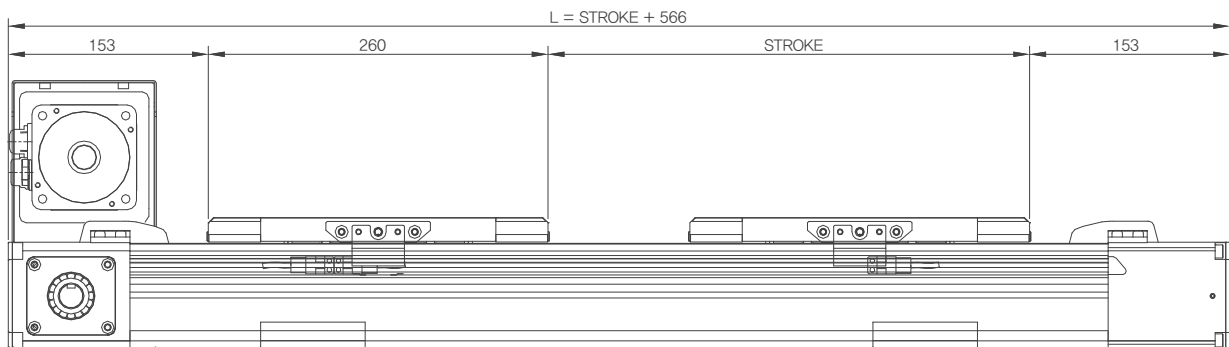
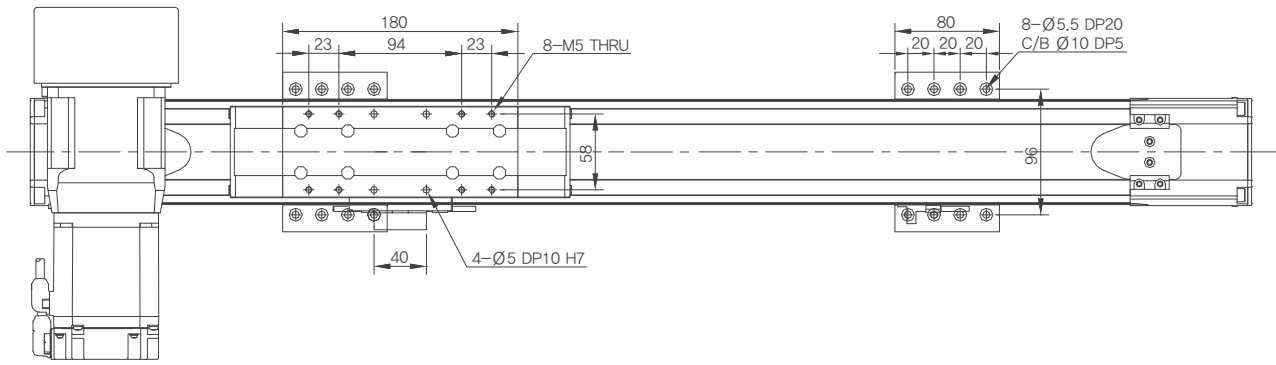
		2 BLOCK	17kg	27kg	40kg
Horizontal	A		110	65	35
	B		980	650	430
	C		2000	1500	1100
Vertical	A		900	570	350
	B		2000	1500	1100
	C		910	600	370
Wall	A		2000	1500	-
	B		650	300	-
	C		100	35	-

*Measuring conditions : Speed 1000mm/s, Stroke 1000

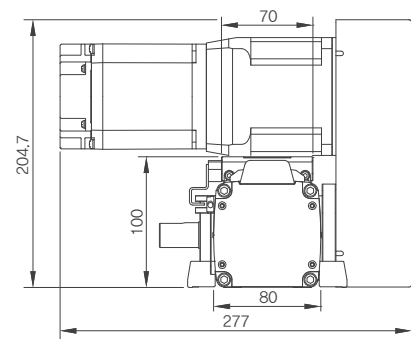
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	11.5	12.3	13.1	14	14.8	15.6	16.4	17.2	18	18.9	19.7	20.5	21.3	22.2	23	23.8	24.6	25.4	26.3	27.1	27.9	28.7	29.5	30.4	31.2	32	32.8	33.6
Rear surface tab (T)	4		6			8			10			12			14			16			18							



<Fixed floor unit mounting type>



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 1RAIL 2BLOCK	
Timing Belt	RPP5M W35	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	18
	5	30
	10	65

Permissible Overhang Length

		2 BLOCK	17kg	27kg	40kg
Horizontal	A		110	65	35
	B		980	650	430
	C		2000	1500	1100
Vertical	A		900	570	350
	B		2000	1500	1100
	C		910	600	370
Wall	A		2000	1500	-
	B		650	300	-
	C		100	35	-

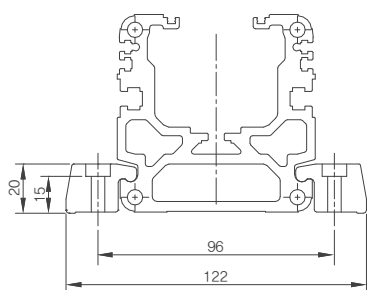
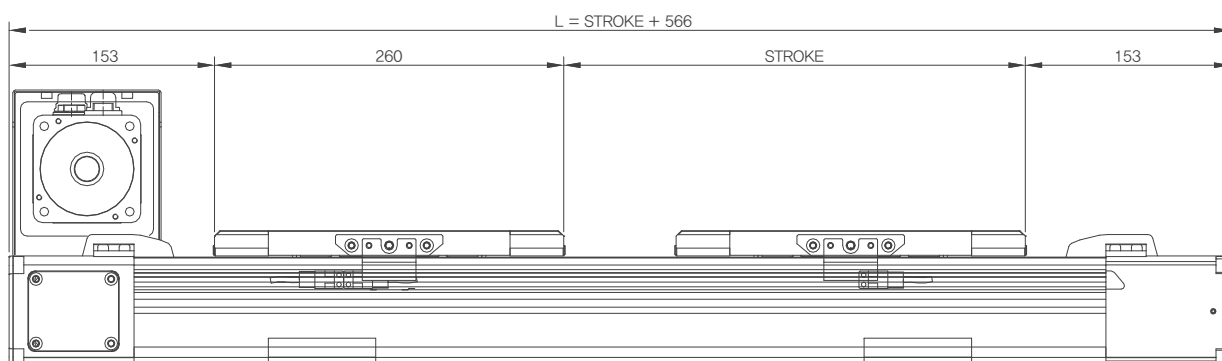
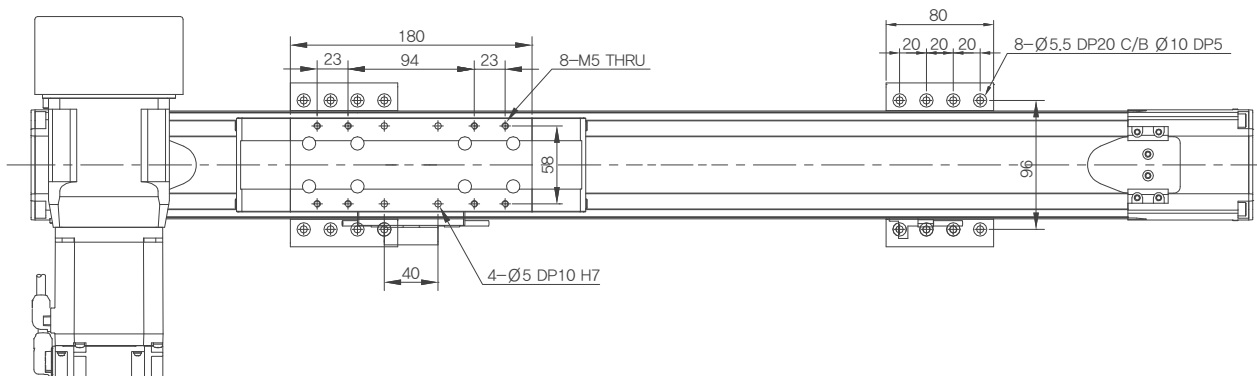
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

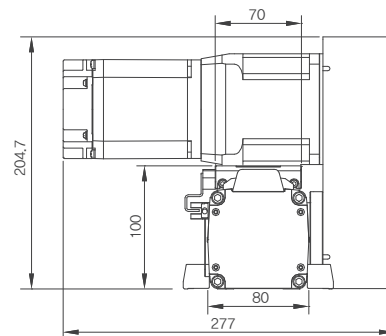
*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	11.5	12.3	13.1	14	14.8	15.6	16.4	17.2	18	18.9	19.7	20.5	21.3	22.2	23	23.8	24.6	25.4	26.3	27.1	27.9	28.7	29.5	30.4	31.2	32	32.8	33.6
Rear surface tab (T)	4			6			8			10			12			14			16			18						

CBT80-PTL(R)



(Fixed floor unit mounting type)



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W		
Pulley P.C.D	50.93		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO20, 1RAIL 2BLOCK		
Timing Belt	RPP5M W35		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	3	18	2.5
	5	30	1.5
	10	65	0.8

Permissible Overhang Length

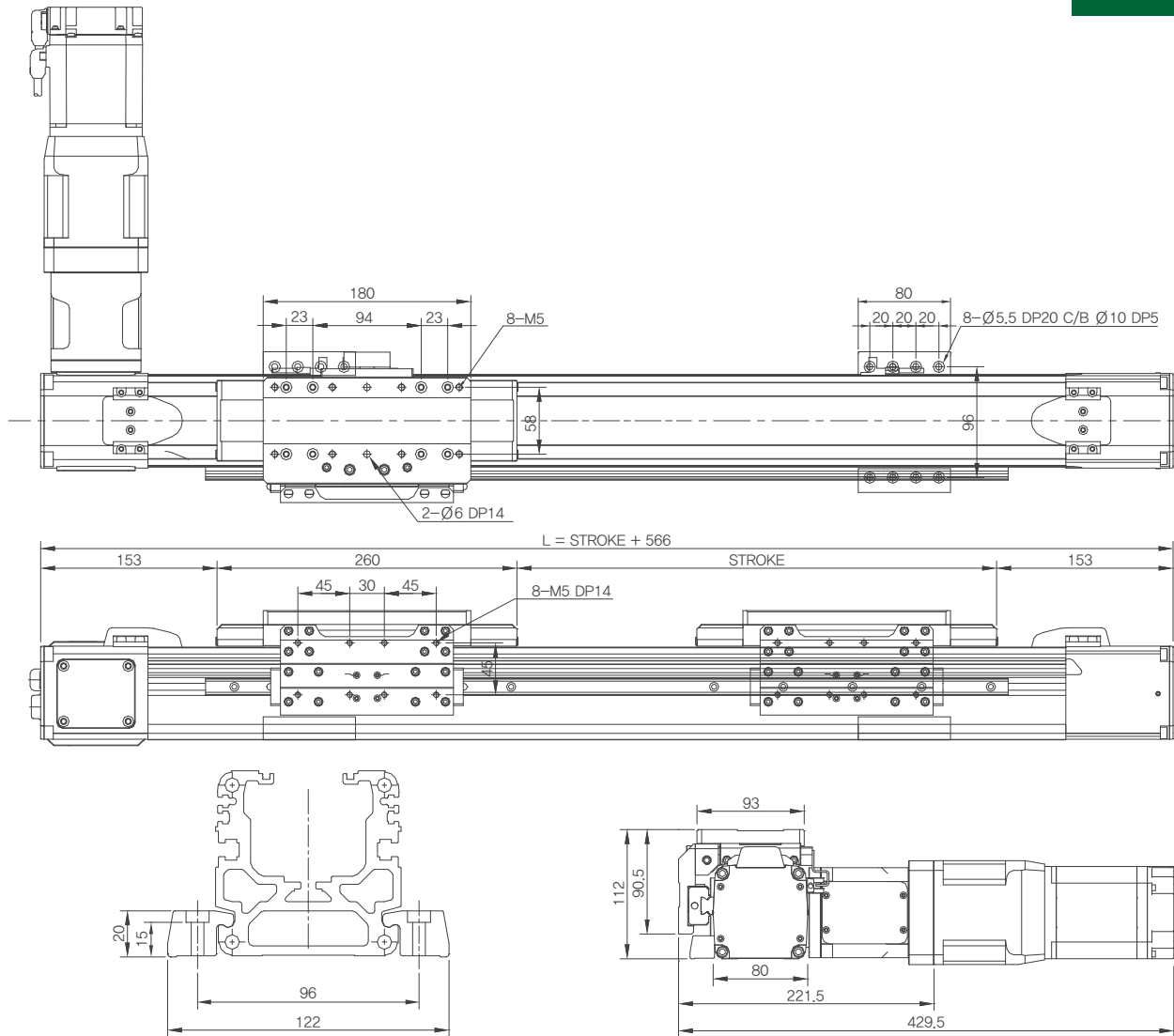
		2 BLOCK	17kg	27kg	40kg
Horizontal	A		110	65	35
	B		980	650	430
	C		2000	1500	1100
Vertical	A		900	570	350
	B		2000	1500	1100
	C		910	600	370
Wall	A		2000	1500	-
	B		650	300	-
	C		100	35	-

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	11.5	12.3	13.1	14	14.8	15.6	16.4	17.2	18	18.9	19.7	20.5	21.3	22.2	23	23.8	24.6	25.4	26.3	27.1	27.9	28.7	29.5	30.4	31.2	32	32.8	33.6
Rear surface tab (T)	4		6			8			10			12			14			16			18							



(Fixed floor unit mounting type)

NOTES:

- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W35	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	18
	5	30
	10	65

Permissible Overhang Length

4 BLOCK		20kg	30kg	40kg
Horizontal	A	500	350	250
	B	1200	850	700
	C	2600	1400	900
Vertical	A	900	650	500
	B	2500	1400	900
	C	920	650	500
Wall	A	2000	900	700
	B	1000	800	650
	C	450	300	240

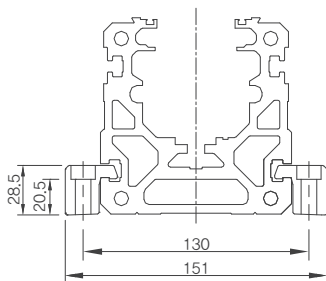
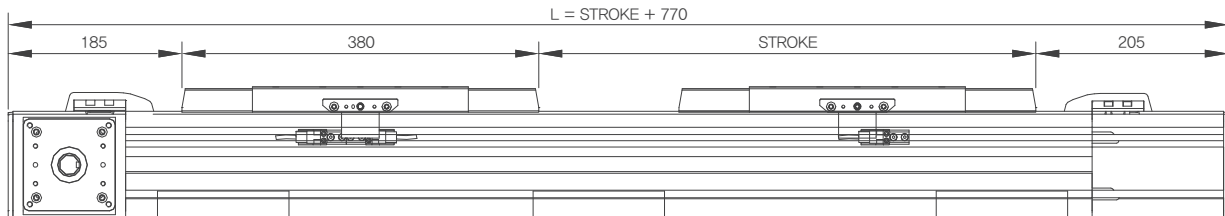
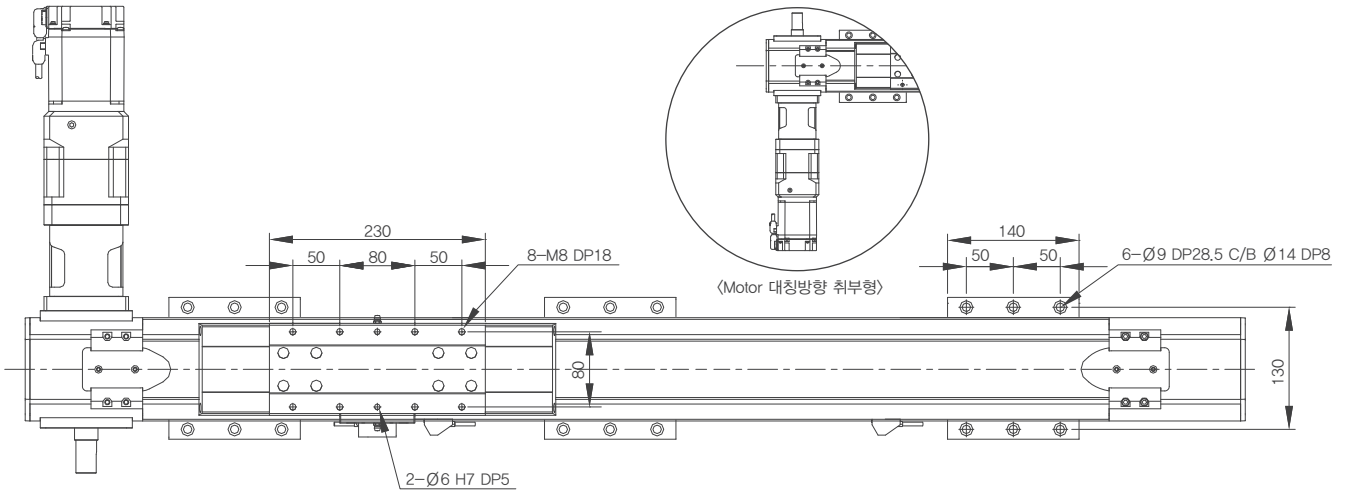
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

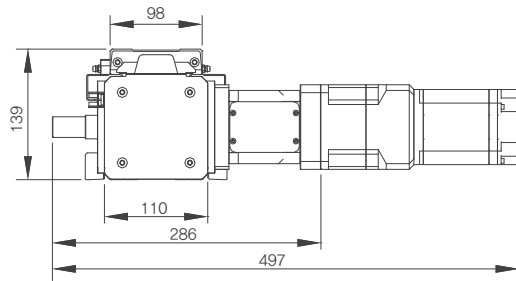
*Please contact the main office and agency about the max stroke.

Stroke (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	11.5	12.3	13.1	14	14.8	15.6	16.4	17.2	18	18.9	19.7	20.5	21.3	22.2	23	23.8	24.6	25.4	26.3	27.1	27.9	28.7	29.5	30.4	31.2	32	32.8	33.6
Rear surface tab (T)	4		6		8		10		12		14		16		18													

CBT110-SL(R)A



<Fixed floor unit mounting type>



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps.
The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	91.67	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 1RAIL 2BLOCK	
Timing Belt	RPP8M W47	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	5	2
	10	1.5
	20	0.8

Permissible Overhang Length

2 BLOCK		25kg	45kg	65kg
Horizontal	A	120	65	35
	B	1000	640	450
	C	2500	1700	900
Vertical	A	960	540	350
	B	2500	1700	900
	C	1000	560	375
Wall	A	2000	1500	-
	B	560	120	-
	C	100	20	-

*Measuring conditions : Speed 1000mm/s, Stroke 1000

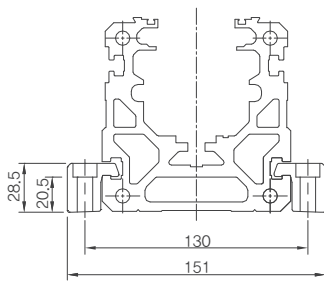
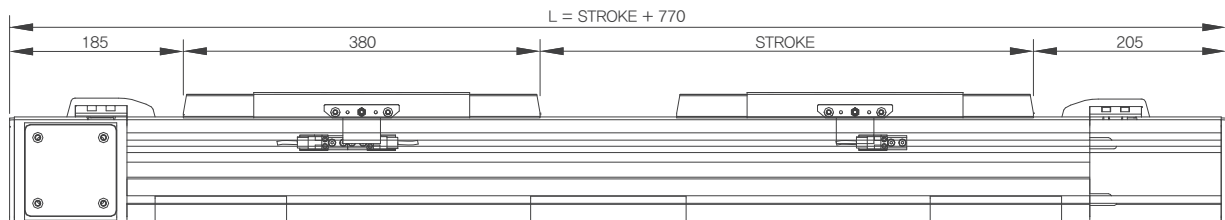
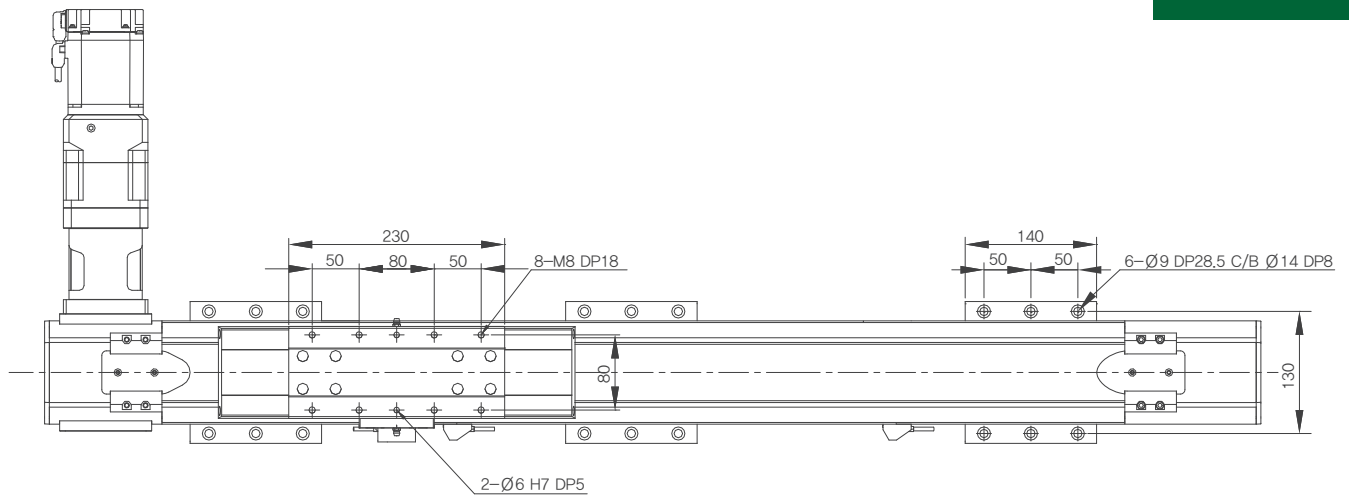
Detail Specifications

*Please contact the main office and agency about the max stroke.

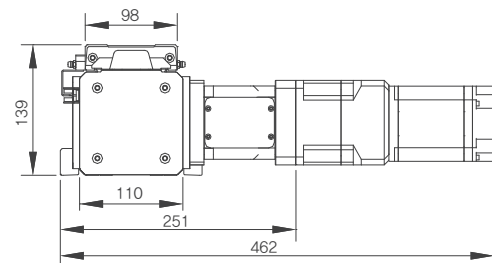
Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	27.4	28.9	30.4	31.9	33.4	34.9	36.4	37.9	39.4	40.9	42.4	43.9	45.4	46.9	48.4	49.9	51.4	52.9	54.4	55.9	57.4	58.9	60.4	61.9	63.4	64.9
Rear surface tab (T)	6		8		10		12		14		16		18													

CBT110-SL(R)

04
CBT110



(Fixed floor unit mounting type)



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	91.67	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 1RAIL 2BLOCK	
Timing Belt	RPP8M W47	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	5	2
	10	1.5
	20	0.8

Permissible Overhang Length

2 BLOCK		25kg	45kg	65kg
Horizontal	A	120	65	35
	B	1000	640	450
	C	2500	1700	900
Vertical	A	960	540	350
	B	2500	1700	900
	C	1000	560	375
Wall	A	2000	1500	-
	B	560	120	-
	C	100	20	-

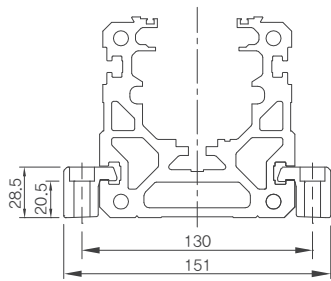
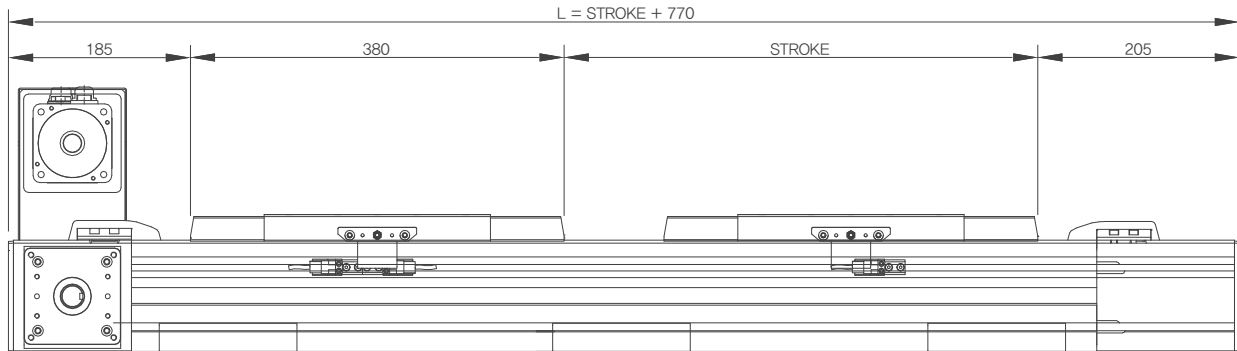
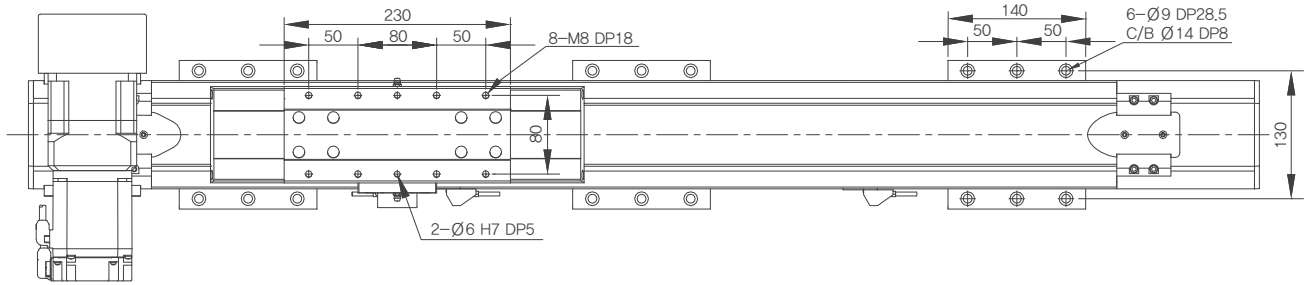
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

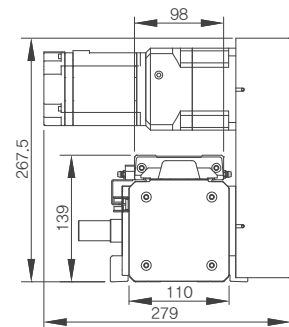
*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	27.4	28.9	30.4	31.9	33.4	34.9	36.4	37.9	39.4	40.9	42.4	43.9	45.4	46.9	48.4	49.9	51.4	52.9	54.4	55.9	57.4	58.9	60.4	61.9	63.4	64.9
Rear surface tab (T)	6		8		10		12		14		16		18													

CBT110-PTL(R)A



<Fixed floor unit mounting type>



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	91.67	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 1RAIL 2BLOCK	
Timing Belt	RPP8M W47	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	5	2
	10	1.5
	20	0.8

Permissible Overhang Length

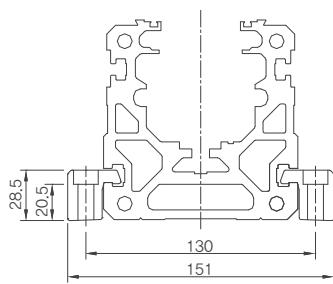
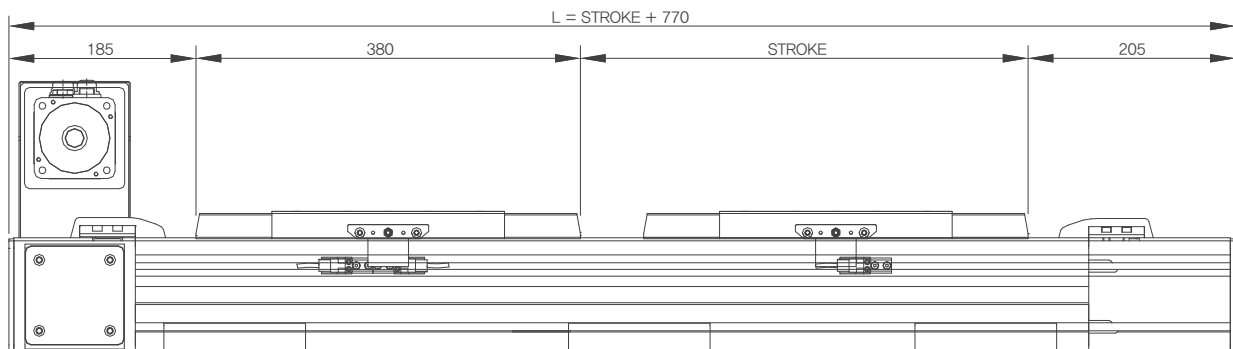
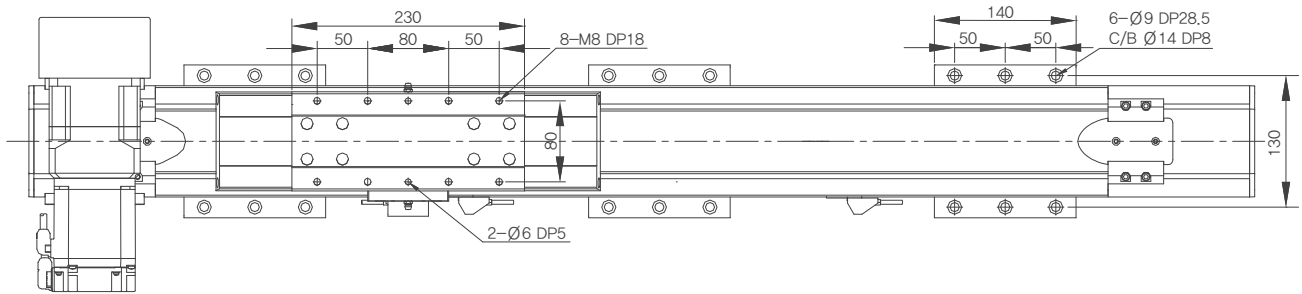
2 BLOCK		25kg	45kg	65kg
Horizontal	A	120	65	35
	B	1000	640	450
	C	2500	1700	900
Vertical	A	960	540	350
	B	2500	1700	900
	C	1000	560	375
Wall	A	2000	1500	-
	B	560	120	-
	C	100	20	-

*Measuring conditions : Speed 1000mm/s, Stroke 1000

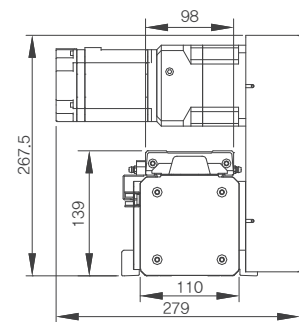
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	27.4	28.9	30.4	31.9	33.4	34.9	36.4	37.9	39.4	40.9	42.4	43.9	45.4	46.9	48.4	49.9	51.4	52.9	54.4	55.9	57.4	58.9	60.4	61.9	63.4	64.9
Rear surface tab (T)	6		8		10		12		14		16		18													



(Fixed floor unit mounting type)



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	91.67	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 1RAIL 2BLOCK	
Timing Belt	RPP8M W47	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	5	2
	10	1.5
	20	0.8

Permissible Overhang Length

2 BLOCK		25kg	45kg	65kg
Horizontal	A	120	65	35
	B	1000	640	450
	C	2500	1700	900
Vertical	A	960	540	350
	B	2500	1700	900
	C	1000	560	375
Wall	A	2000	1500	-
	B	560	120	-
	C	100	20	-

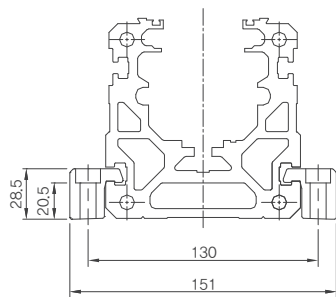
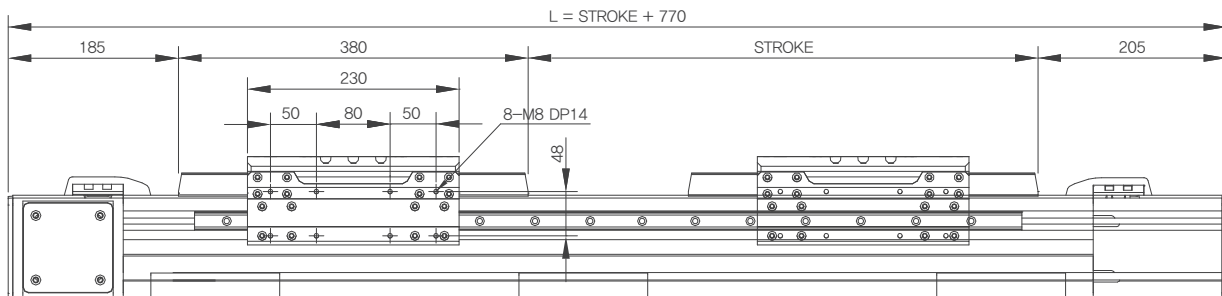
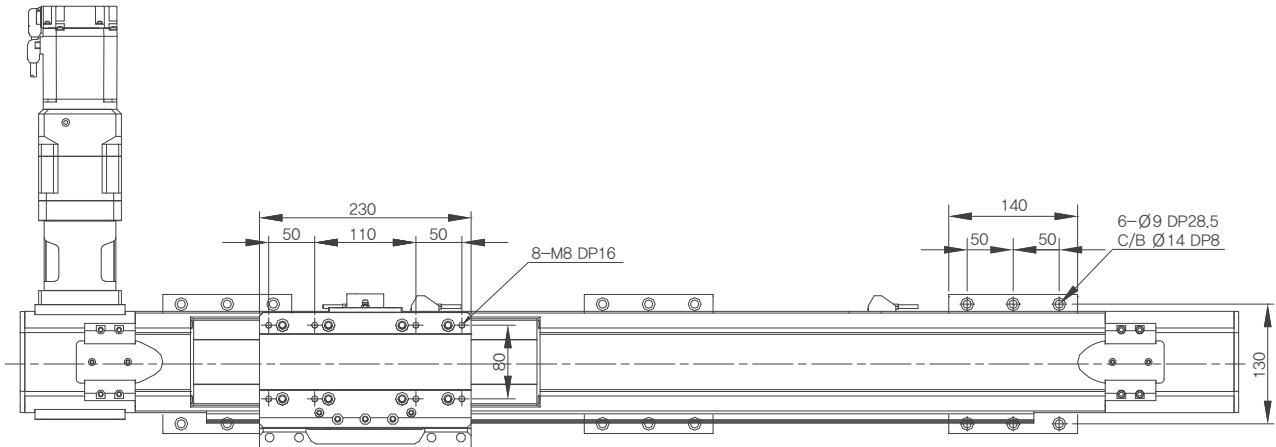
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

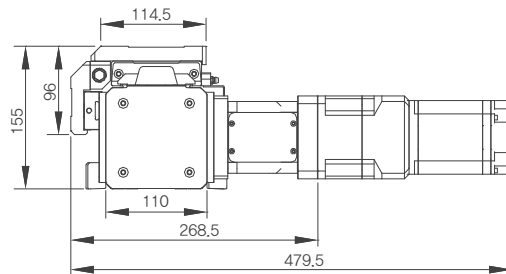
*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	27.4	28.9	30.4	31.9	33.4	34.9	36.4	37.9	39.4	40.9	42.4	43.9	45.4	46.9	48.4	49.9	51.4	52.9	54.4	55.9	57.4	58.9	60.4	61.9	63.4	64.9
Rear surface tab (T)	6		8		10		12		14		16		18													

CBT110-GL(R)



(Fixed floor unit mounting type)



NOTES:

- Please refer to the website detailed drawings about fixed floor clamps. The recommended interval is 400 ~ 500mm.

Basic Specifications

Motor	750W	
Pulley P.C.D	91.67	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO25, 2RAIL 4BLOCK	
Timing Belt	RPP8M W47	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	5	2
	10	1.5
	20	0.8

Permissible Overhang Length

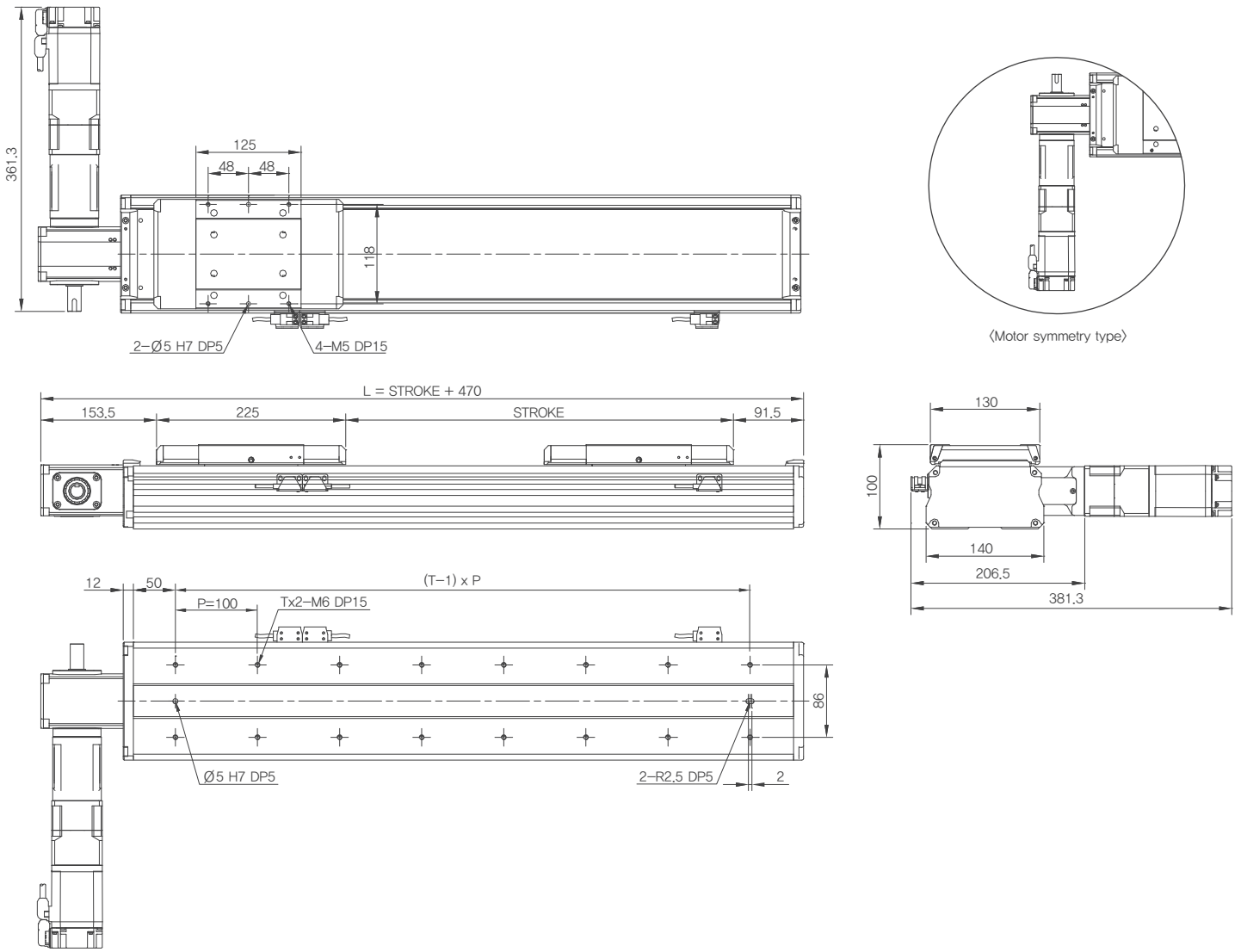
4 BLOCK		25kg	45kg	60kg
Horizontal	A	470	350	280
	B	1200	970	800
	C	2700	2000	1600
Vertical	A	1050	650	520
	B	2700	2000	1600
	C	1100	720	600
Wall	A	2300	1700	1000
	B	1000	850	700
	C	450	380	300

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	27.4	28.9	30.4	31.9	33.4	34.9	36.4	37.9	39.4	40.9	42.4	43.9	45.4	46.9	48.4	49.9	51.4	52.9	54.4	55.9	57.4	58.9	60.4	61.9	63.4	64.9
Rear surface tab (T)	6		8		10		12		14		16		18													



Basic Specifications

Motor	400W	
Pulley P.C.D	39.79	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2
	10	1.3

Permissible Overhang Length

4 BLOCK		20kg	30kg	40kg
Horizontal	A	400	300	220
	B	640	460	350
	C	1800	1000	700
Vertical	A	630	450	350
	B	1800	1000	700
	C	580	400	300
Wall	A	1800	1000	700
	B	560	380	280
	C	310	200	130

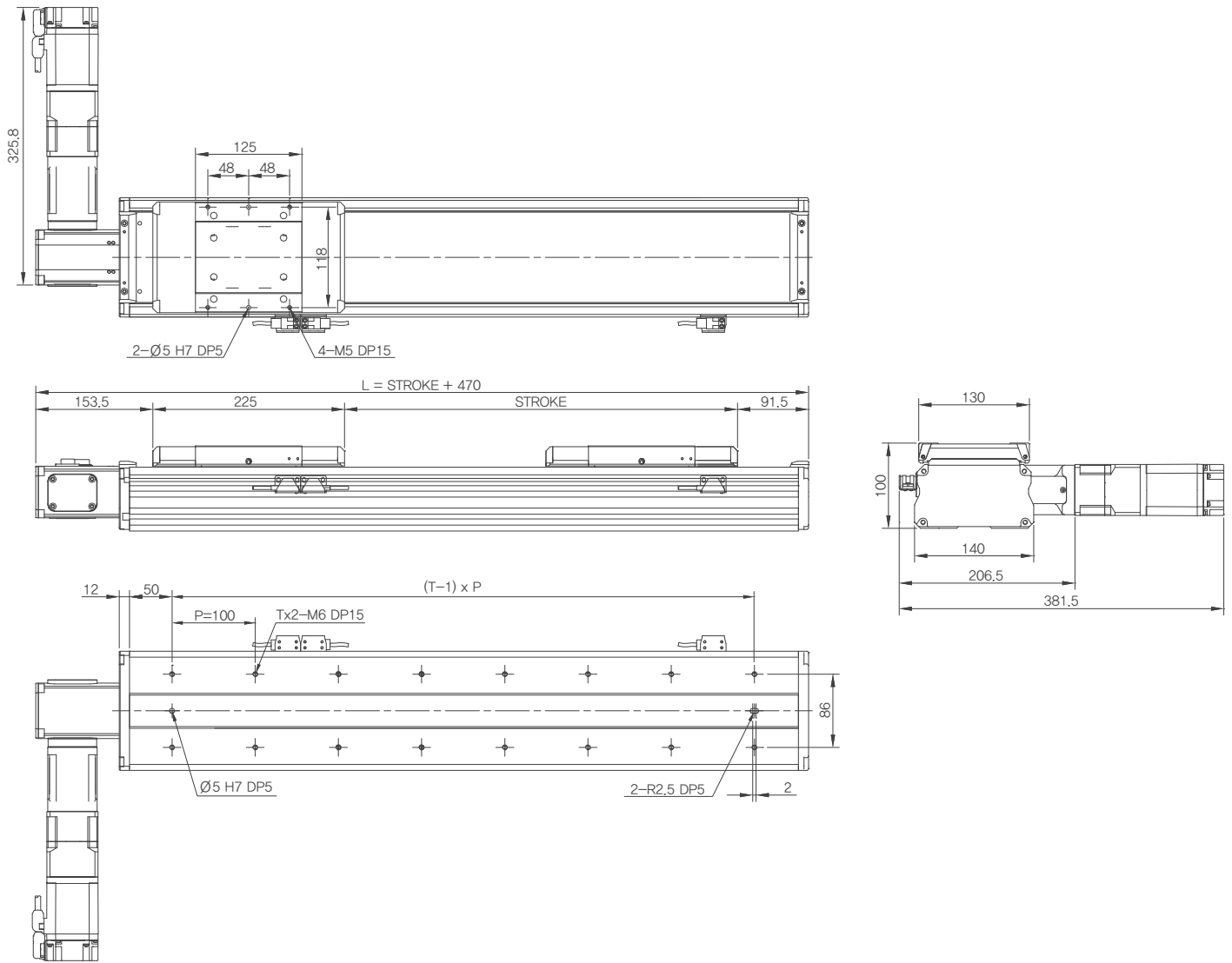
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rear surface tab (T)	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

CBT140-SL(R)



Basic Specifications

Motor	400W	
Pulley P.C.D	39.79	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2
	10	1.3

Permissible Overhang Length

4 BLOCK		20kg	30kg	40kg
Horizontal	A	400	300	220
	B	640	460	350
	C	1800	1000	700
Vertical	A	630	450	350
	B	1800	1000	700
	C	580	400	300
Wall	A	1800	1000	700
	B	560	380	280
	C	310	200	130

*Measuring conditions : Speed 1000mm/s, Stroke 1000

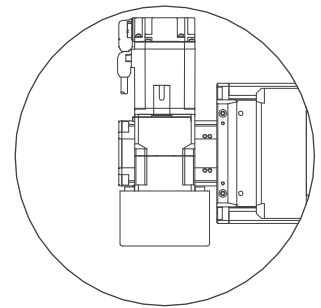
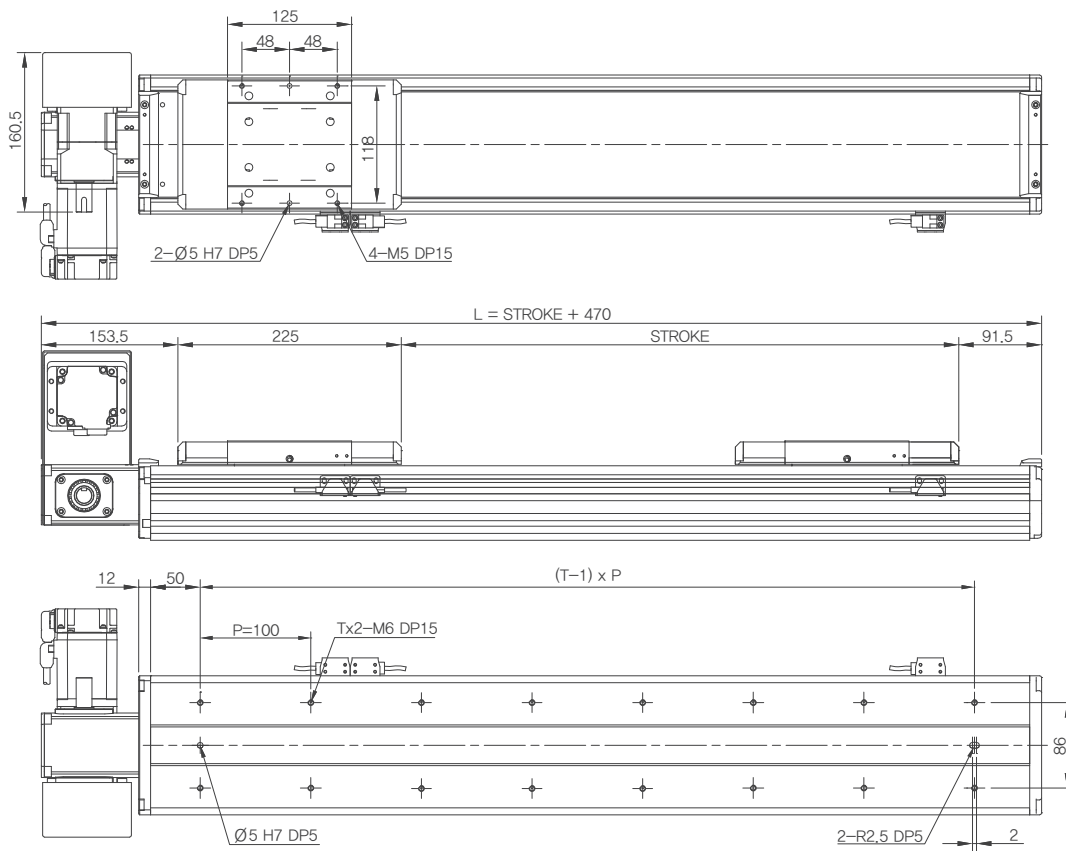
Detail Specifications

*Please contact the main office and agency about the max stroke.

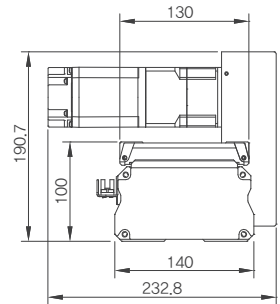
Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rear surface tab (T)	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

CBT140-PTL(R)A

04
CBT140



(Motor symmetry type)



Basic Specifications

Motor	400W	
Pulley P.C.D	39.79	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2
	10	1.3

Permissible Overhang Length

4 BLOCK		20kg	30kg	40kg
Horizontal	A	400	300	220
	B	640	460	350
	C	1800	1000	700
Vertical	A	630	450	350
	B	1800	1000	700
	C	580	400	300
Wall	A	1800	1000	700
	B	560	380	280
	C	310	200	130

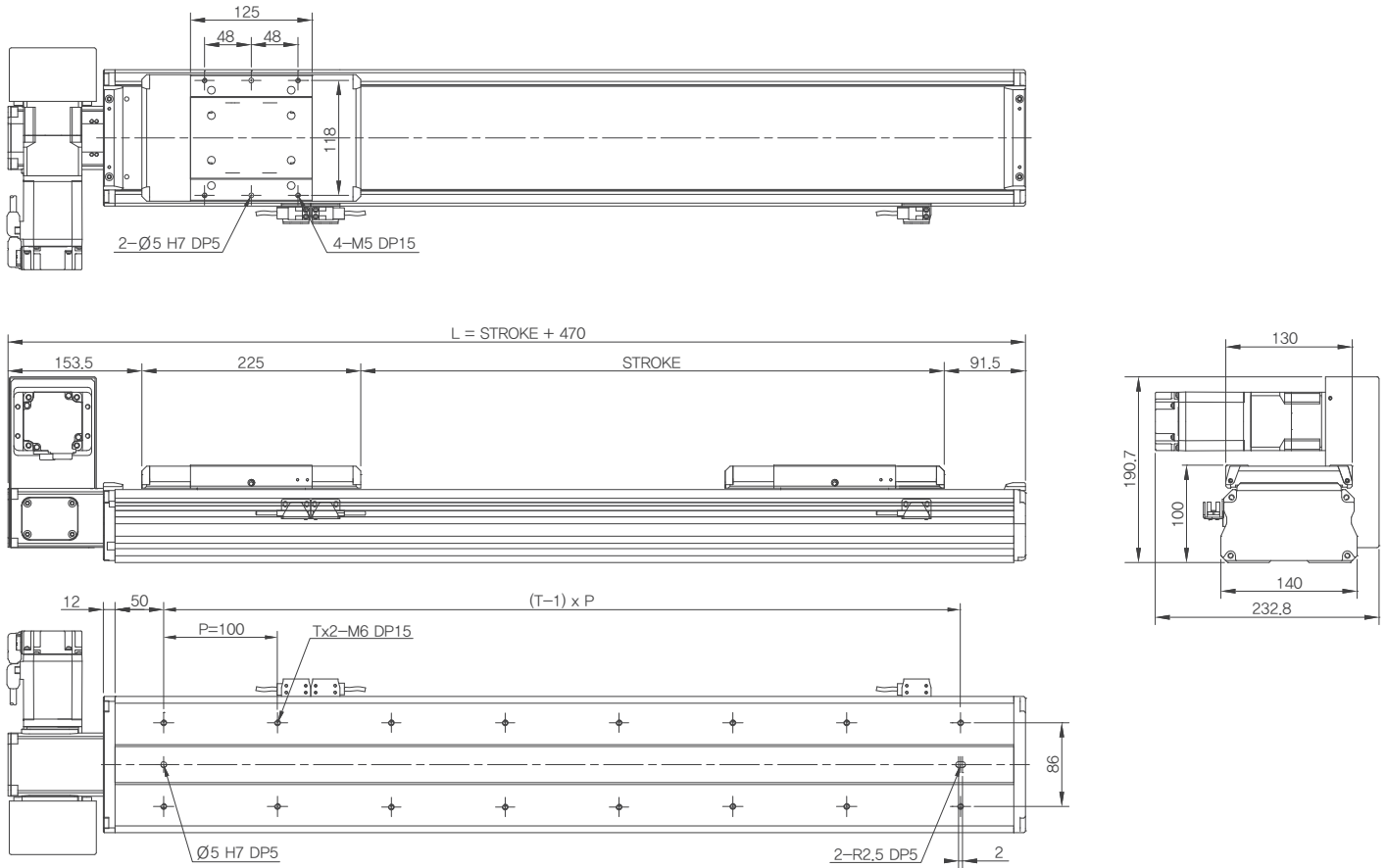
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rear surface tab (T)	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

CBT140-PTL(R)



Basic Specifications

Motor	400W	
Pulley P.C.D	39.79	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO15, 2RAIL 4BLOCK	
Timing Belt	RPP5M W25	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	4
	5	2
	10	1.3

Permissible Overhang Length

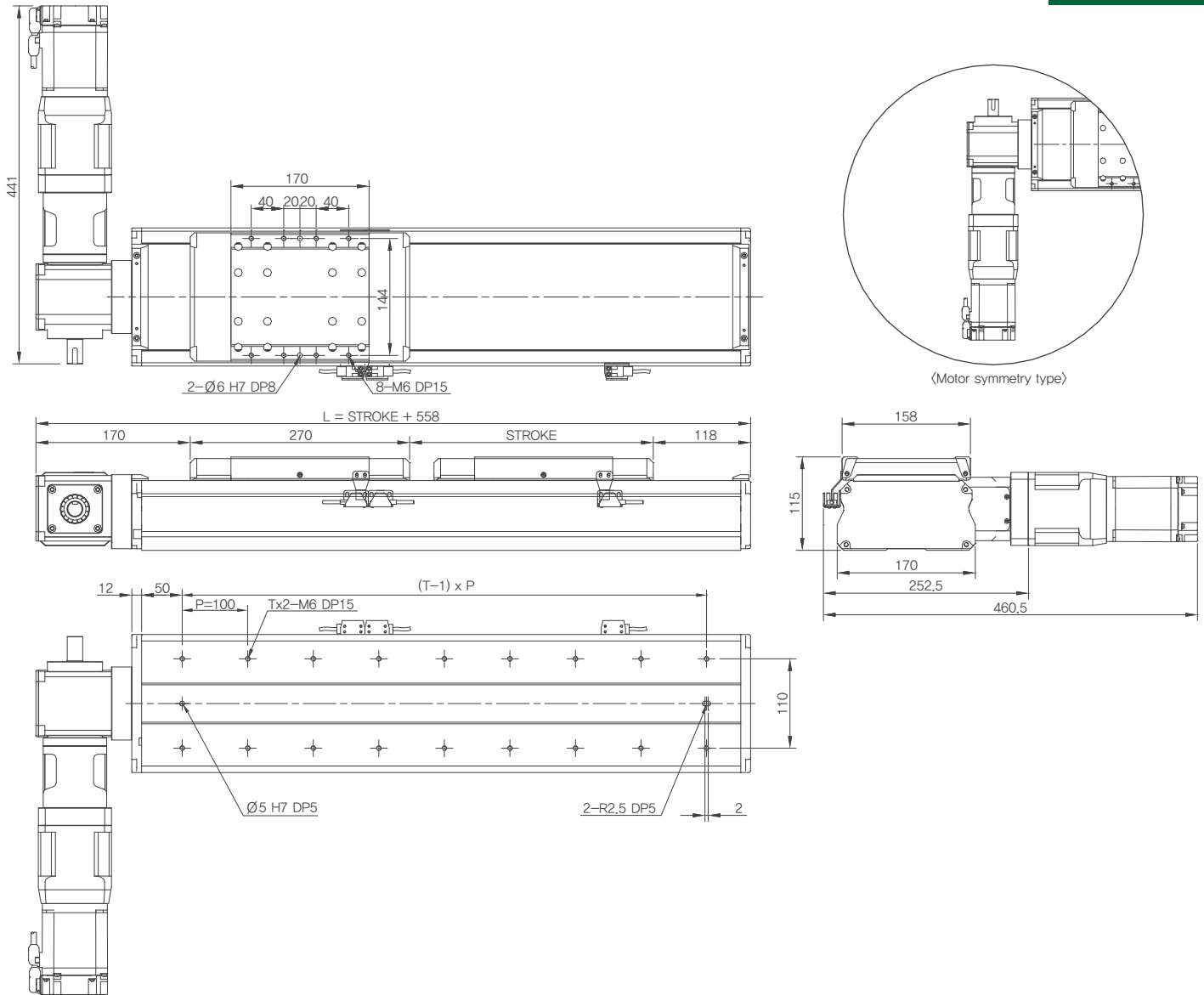
4 BLOCK		20kg	30kg	40kg
Horizontal	A	400	300	220
	B	640	460	350
	C	1800	1000	700
Vertical	A	630	450	350
	B	1800	1000	700
	C	580	400	300
Wall	A	1800	1000	700
	B	560	380	280
	C	310	200	130

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rear surface tab (T)	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33



Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W35	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2.5
	5	1.5
	10	0.8

Permissible Overhang Length

4 BLOCK		30kg	50kg	60kg
Horizontal	A	730	460	390
	B	930	590	500
	C	2300	1200	850
Vertical	A	900	670	565
	B	2300	1200	850
	C	830	500	410
Wall	A	2300	1200	850
	B	860	520	430
	C	630	550	270

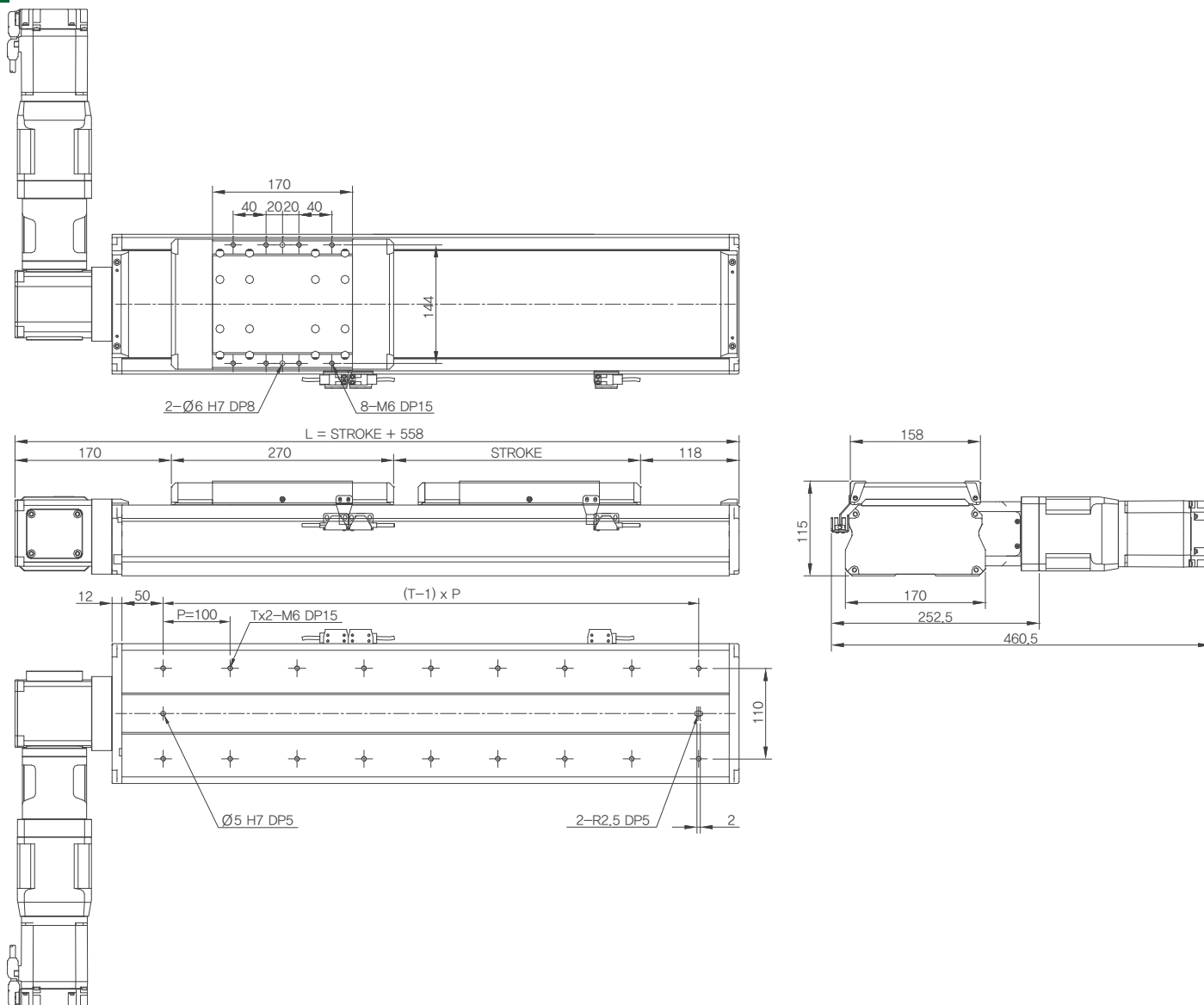
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	22.3	23.8	25.3	26.8	28.2	29.7	31.2	32.7	34.2	35.7	37.1	38.6	40.1	41.6	43.1	44.5	46	47.5	49	50.4	51.9	53.4	54.9	56.3	57.8	59.3
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

CBT170-SL(R)



Basic Specifications

Motor	750W		
Pulley P.C.D	50.93		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO20, 2RAIL 4BLOCK		
Timing Belt	RPP5M W35		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	3	18	2.5
	5	30	1.5
	10	65	0.8

Permissible Overhang Length

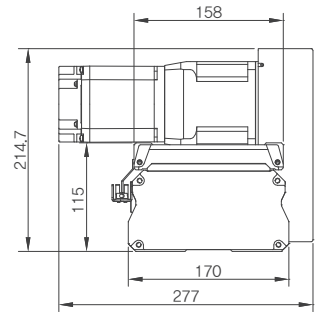
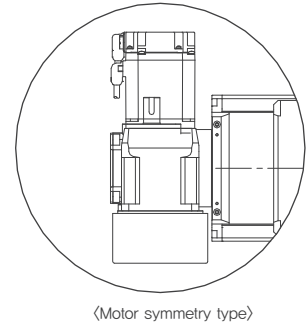
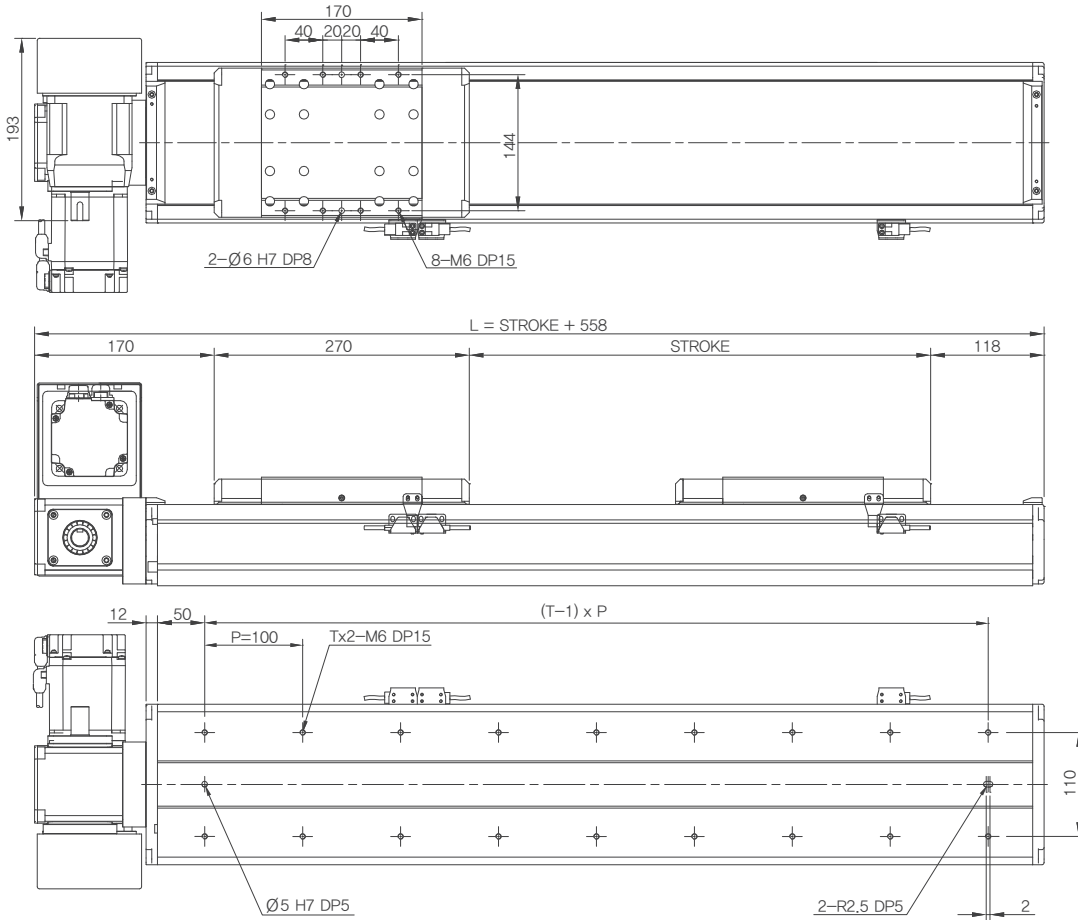
4 BLOCK		30kg	50kg	60kg
Horizontal	A	730	460	390
	B	930	590	500
	C	2300	1200	850
Vertical	A	900	670	565
	B	2300	1200	850
	C	830	500	410
Wall	A	2300	1200	850
	B	860	520	430
	C	630	550	270

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	22.3	23.8	25.3	26.8	28.2	29.7	31.2	32.7	34.2	35.7	37.1	38.6	40.1	41.6	43.1	44.5	46	47.5	49	50.4	51.9	53.4	54.9	56.3	57.8	59.3
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34



Basic Specifications

Motor	750W	
Pulley P.C.D	50.93	
Product life	20,000km	
Repetition accuracy	±0.1mm	
LM Guide	NO20, 2RAIL 4BLOCK	
Timing Belt	RPP5M W35	
	Max Weight (kg)	Max Speed (m/sec)
Reduction Ratio	3	2.5
	5	1.5
	10	0.8

Permissible Overhang Length

4 BLOCK		30kg	50kg	60kg
Horizontal	A	730	460	390
	B	930	590	500
	C	2300	1200	850
Vertical	A	900	670	565
	B	2300	1200	850
	C	830	500	410
Wall	A	2300	1200	850
	B	860	520	430
	C	630	550	270

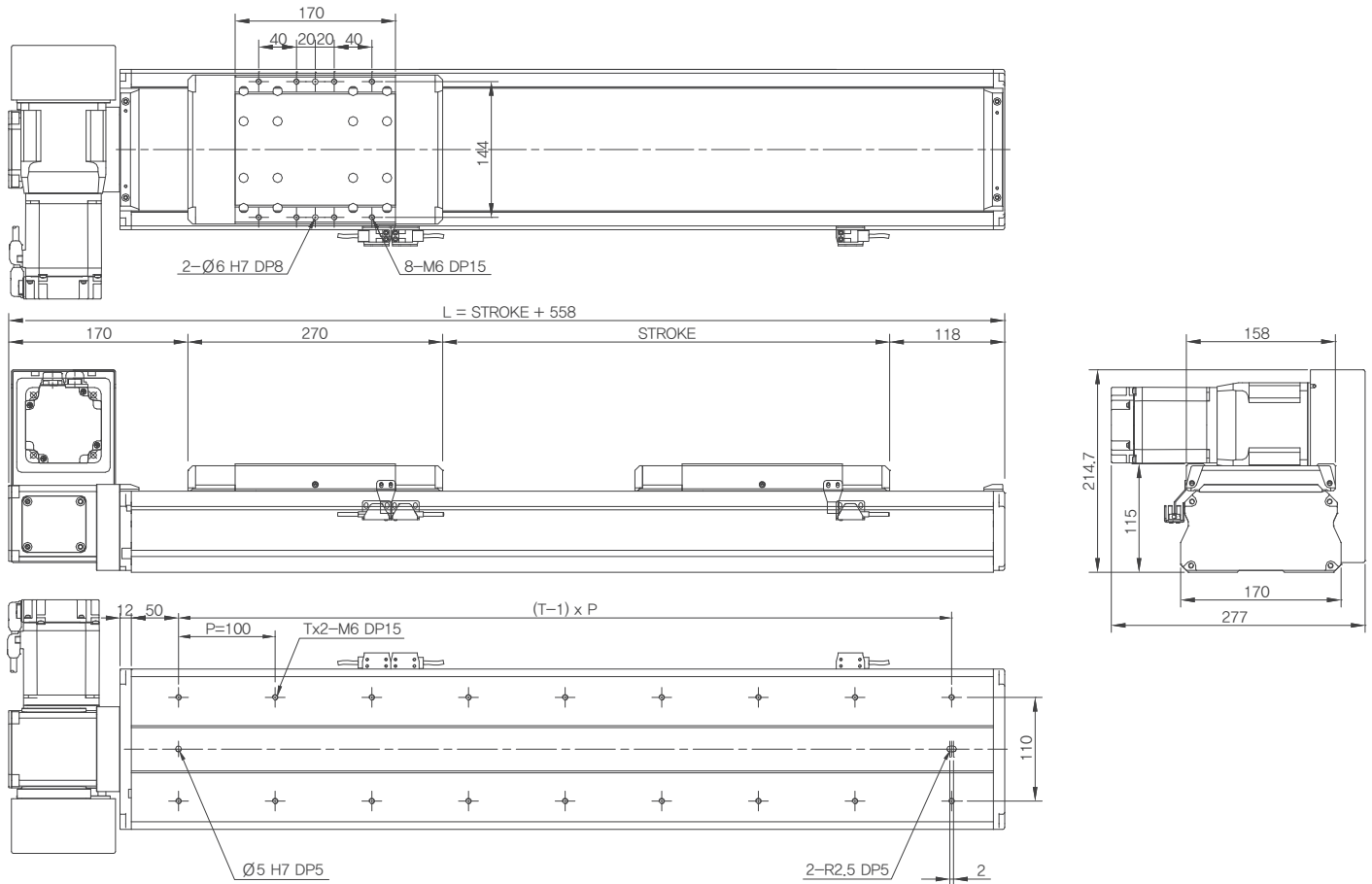
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	22.3	23.8	25.3	26.8	28.2	29.7	31.2	32.7	34.2	35.7	37.1	38.6	40.1	41.6	43.1	44.5	46	47.5	49	50.4	51.9	53.4	54.9	56.3	57.8	59.3
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

CBT170-PTL(R)



Basic Specifications

Motor	750W		
Pulley P.C.D	50.93		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO20, 2RAIL 4BLOCK		
Timing Belt	RPP5M W35		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	3	18	2.5
	5	30	1.5
	10	65	0.8

Permissible Overhang Length

4 BLOCK			30kg	50kg	60kg
Horizontal	A		730	460	390
	B		930	590	500
	C		2300	1200	850
Vertical	A		900	670	565
	B		2300	1200	850
	C		830	500	410
Wall	A		2300	1200	850
	B		860	520	430
	C		630	550	270

*Measuring conditions : Speed 1000mm/s, Stroke 1000

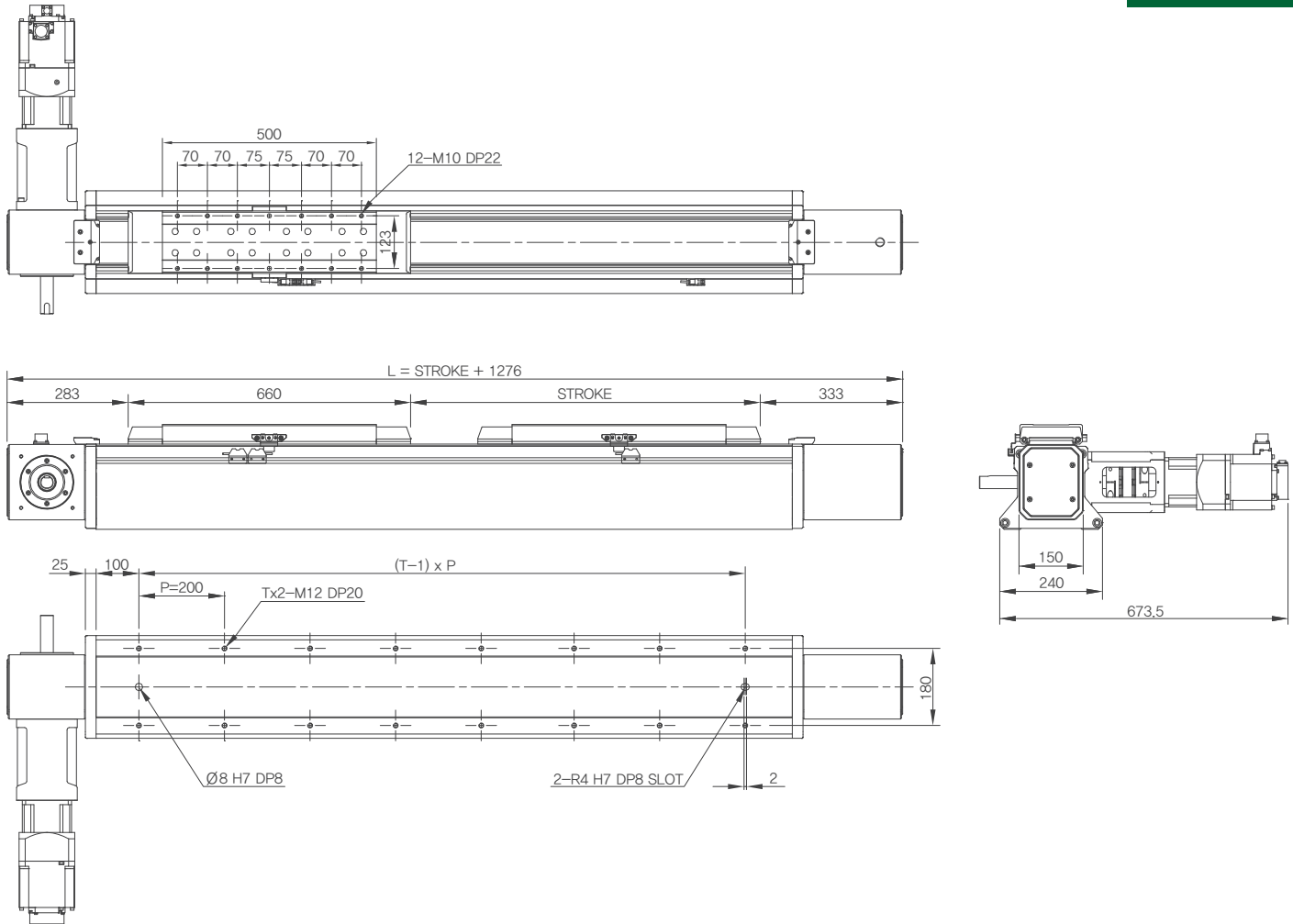
Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	22.3	23.8	25.3	26.8	28.2	29.7	31.2	32.7	34.2	35.7	37.1	38.6	40.1	41.6	43.1	44.5	46	47.5	49	50.4	51.9	53.4	54.9	56.3	57.8	59.3
Rear surface tab (T)	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

CBT240-SL(R)A

04
CBT170/240



Basic Specifications

Motor	1.5KW		
Pulley P.C.D	142.6		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO35, 1RAIL 4BLOCK		
Timing Belt	RPP14M W50		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	10	75	1.5
	20	150	0.7
	30	230	0.4

Permissible Overhang Length

4 BLOCK		55kg	80kg	100kg
Horizontal	A	450	340	230
	B	1300	800	500
	C	3000	2000	1000
Vertical	A	960	700	650
	B	3000	2000	1000
	C	2000	1000	500
Wall	A	3000	2000	1000
	B	930	660	590
	C	500	340	280

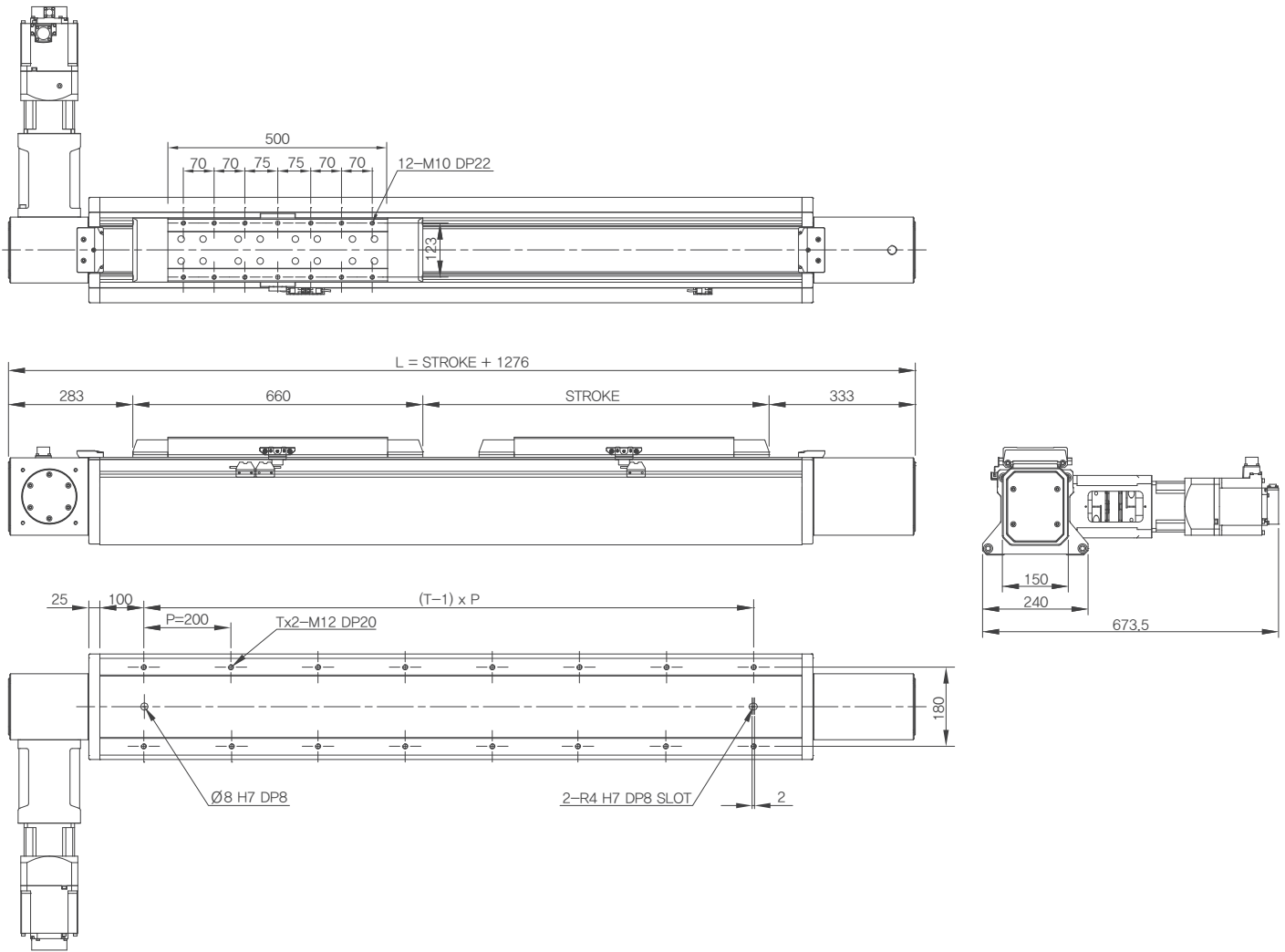
*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	101.5	105.2	108.9	112.6	116.3	120	123.7	127.4	131.1	134.8	138.5	142.2	145.9	149.6	153.3	157	160.7	164.4	168.1	171.8	175.5	179.2	182.9	186.6	190.3	194
Rear surface tab (T)	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19

CBT240-SL(R)



Basic Specifications

Motor	1.5KW		
Pulley P.C.D	142.6		
Product life	20,000km		
Repetition accuracy	±0.1mm		
LM Guide	NO35, 1RAIL 4BLOCK		
Timing Belt	RPP14M W50		
	Max Weight (kg)	Max Speed (m/sec)	
Reduction Ratio	10	75	1.5
	20	150	0.7
	30	230	0.4

Permissible Overhang Length

4 BLOCK		55kg	80kg	100kg
Horizontal	A	450	340	230
	B	1300	800	500
	C	3000	2000	1000
Vertical	A	960	700	650
	B	3000	2000	1000
	C	2000	1000	500
Wall	A	3000	2000	1000
	B	930	660	590
	C	500	340	280

*Measuring conditions : Speed 1000mm/s, Stroke 1000

Detail Specifications

*Please contact the main office and agency about the max stroke.

Stroke (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Product Weight (kg)	101.5	105.2	108.9	112.6	116.3	120	123.7	127.4	131.1	134.8	138.5	142.2	145.9	149.6	153.3	157	160.7	164.4	168.1	171.8	175.5	179.2	182.9	186.6	190.3	194
Rear surface tab (T)	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19

LINEAR MOTOR

05

SLS

... SLS170 / SLS220

SLS(Standard Linear System)

MODEL CONFIGURATION

Model	Base Size	Type	Motor	Stroke	Table	Resolution	Raydent	Cable Chain
SLS	170	A	80N	100	T1	E1	N	N
SLS	170	A	80N	100	T1	E1	N	N
	220	B	120N	200	T2	E2	R	V
			~	300	T3	E3		
				~		E4		

1. Model

SLS : Standard Linear System

2. Base Size : Width of the base (mm)

3. Type : Motor type

A : Core

B : Coreless

4. Motor : Motor capacity

80N : 80 Newton

120N : 120 Newton

5. Stroke : Transport distance

6. Table : Quantity of Table

T1 : 1ea

T2 : 2ea

T3 : 3ea

7. Resolution

E1 : 5 μ m

E2 : 1 μ m

E3 : 0.5 μ m

E4 : 0.1 μ m

8. Raydent : Surface treatment

N : Not included

R : LM Guide Surface treatment

9. Cable Chain

N : Not included

V : Cable chain included

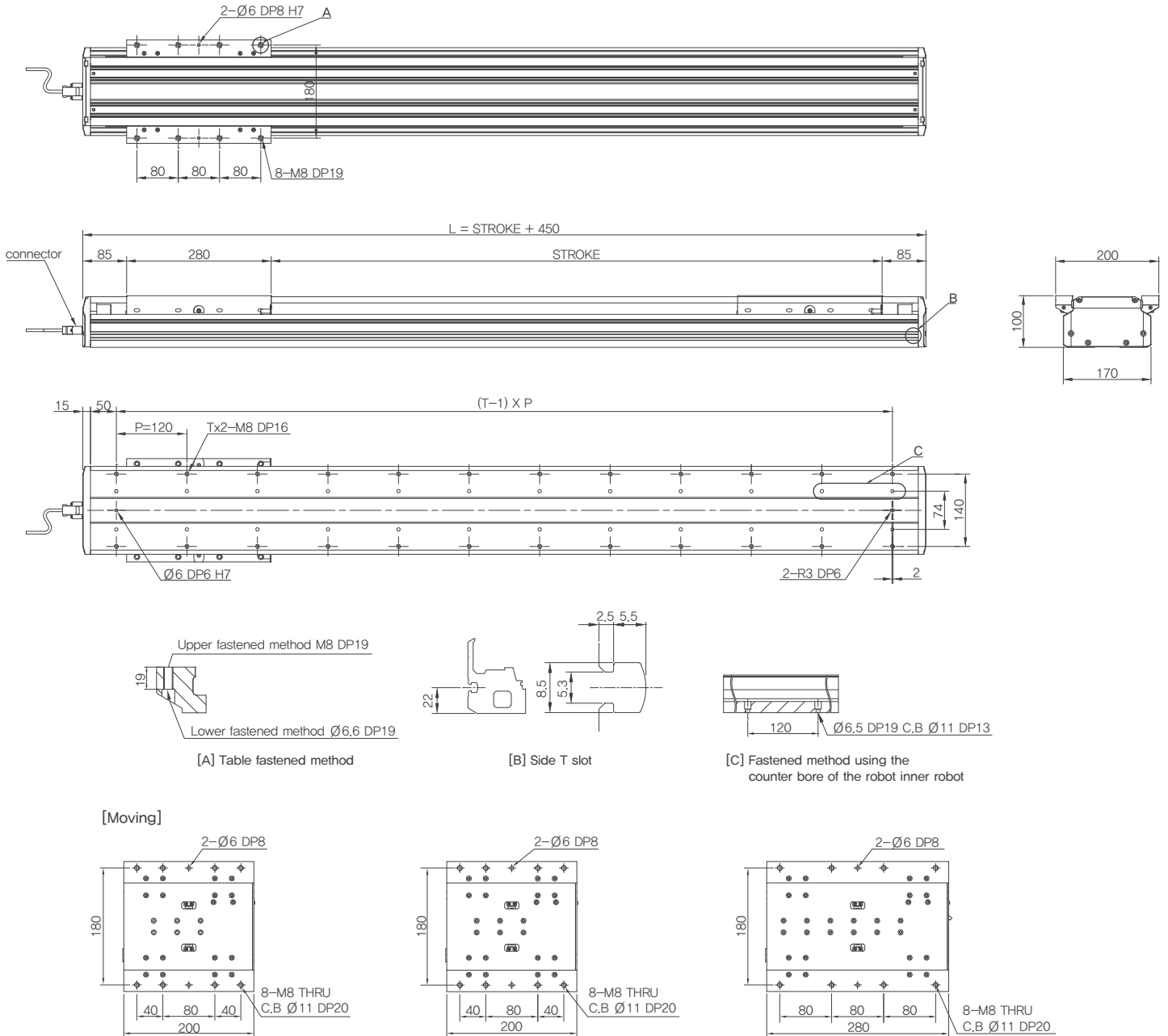
FEATURE

- Profiles structure of optimization through the structure analysis
- Repetition accuracy within $\pm 1\mu\text{m}$
- Simple maintenance structure
- Price competitiveness through the mass production

CAUTION

- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature (0~40°C) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.

SLS170-A

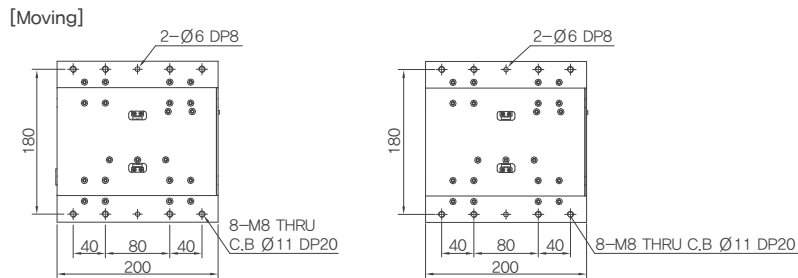
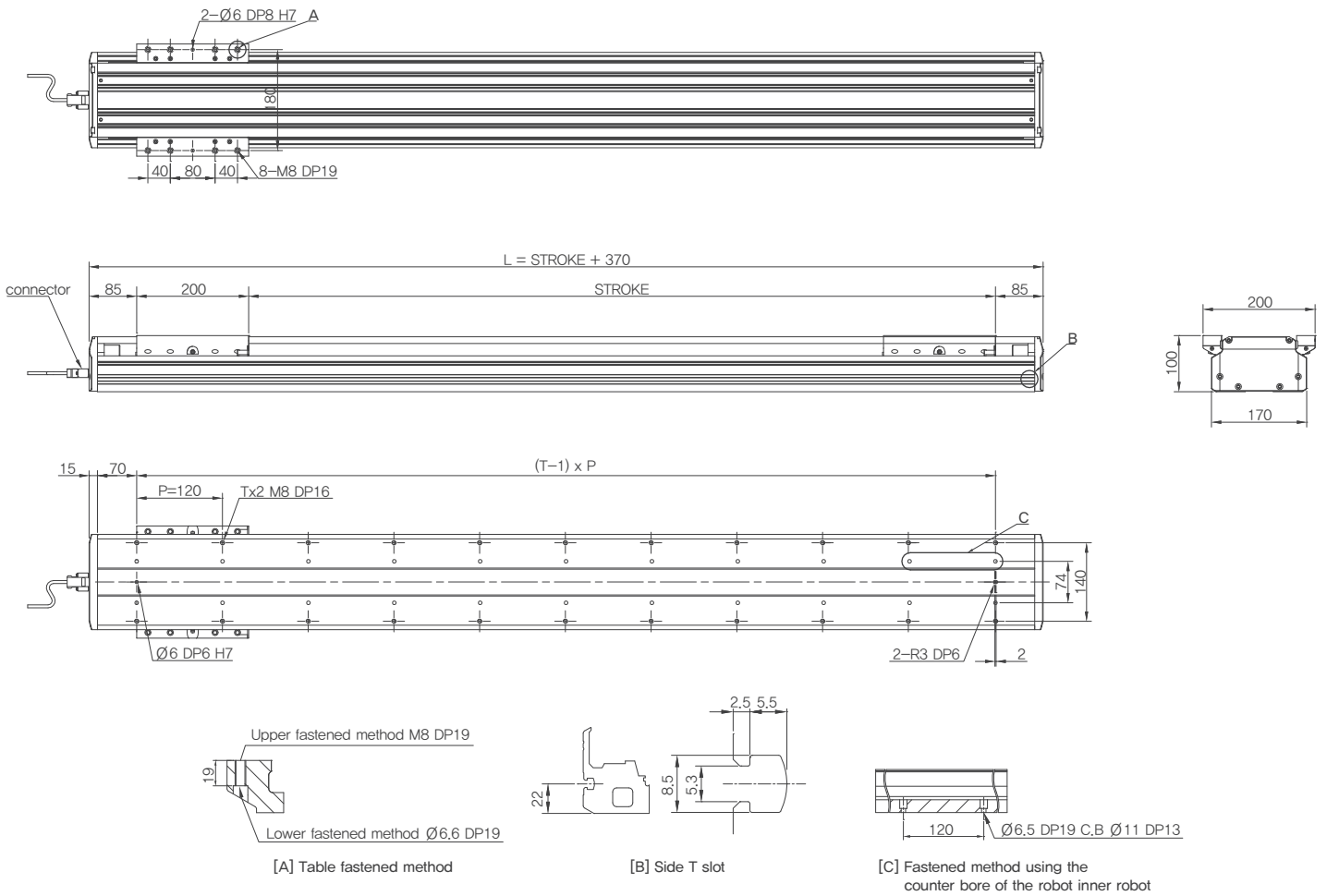


Dimensions

Type	Peak Force	L (Total length)	M1 (Slide length)	M2 (Distance between the slides tab)	P (Rear surface tab pitch)
Core	20A-120A	125N	200	8-M8 (40+80+40)	
	35A-120A	220N	170 + M1 + STROKE	8-M8 (40+80+40)	120
	35A-230A	440N		8-M8 (80+80+80)	

Basic Specifications

Type	Max Force (N)	Continuous Force (N)	Straightness	Repeatability	LM Guide
Core	125N	40N			
	220N	80N	±10μm / 300mm	±1μm	SSR15WX2SS-II
	440N	160N			



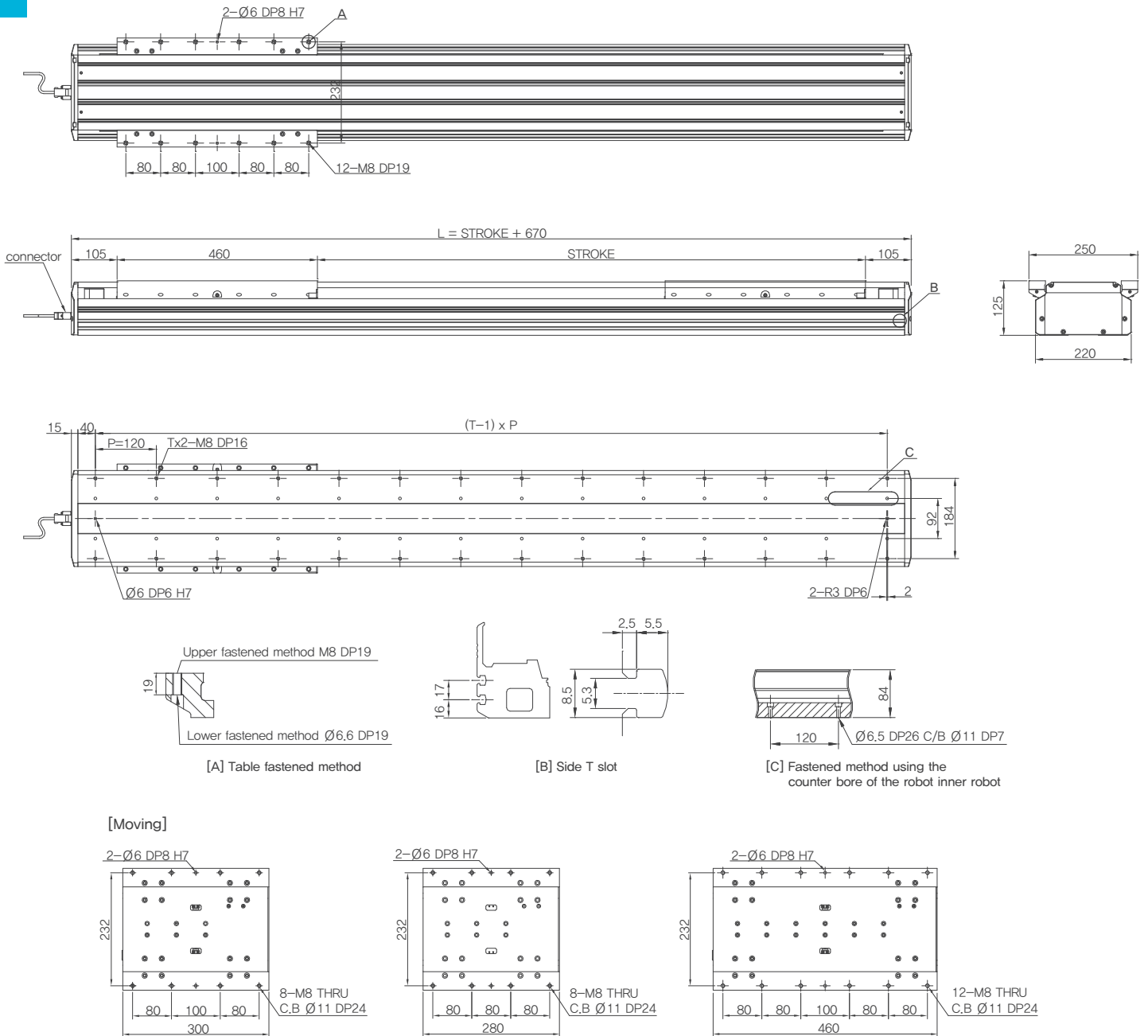
Dimensions

Type		Peak Force	L (Total length)	M1 (Slide length)	M2 (Distance between the slides tab)	P (Rear surface tab pitch)
Coreless	30A-050C	40N	170 + M1 + STROKE	200	8-M8 (40+80+40)	120
	30A-080C	80N		200	8-M8 (40+80+40)	

Basic Specifications

Type	Max Force (N)	Continuous Force (N)	Straightness	Repeatability	LM Guide
Coreless	40N	12.5N	±10 μ m / 300mm	±1 μ m	SSR15WX2SS-II
	80N	25N			

SLS220-A

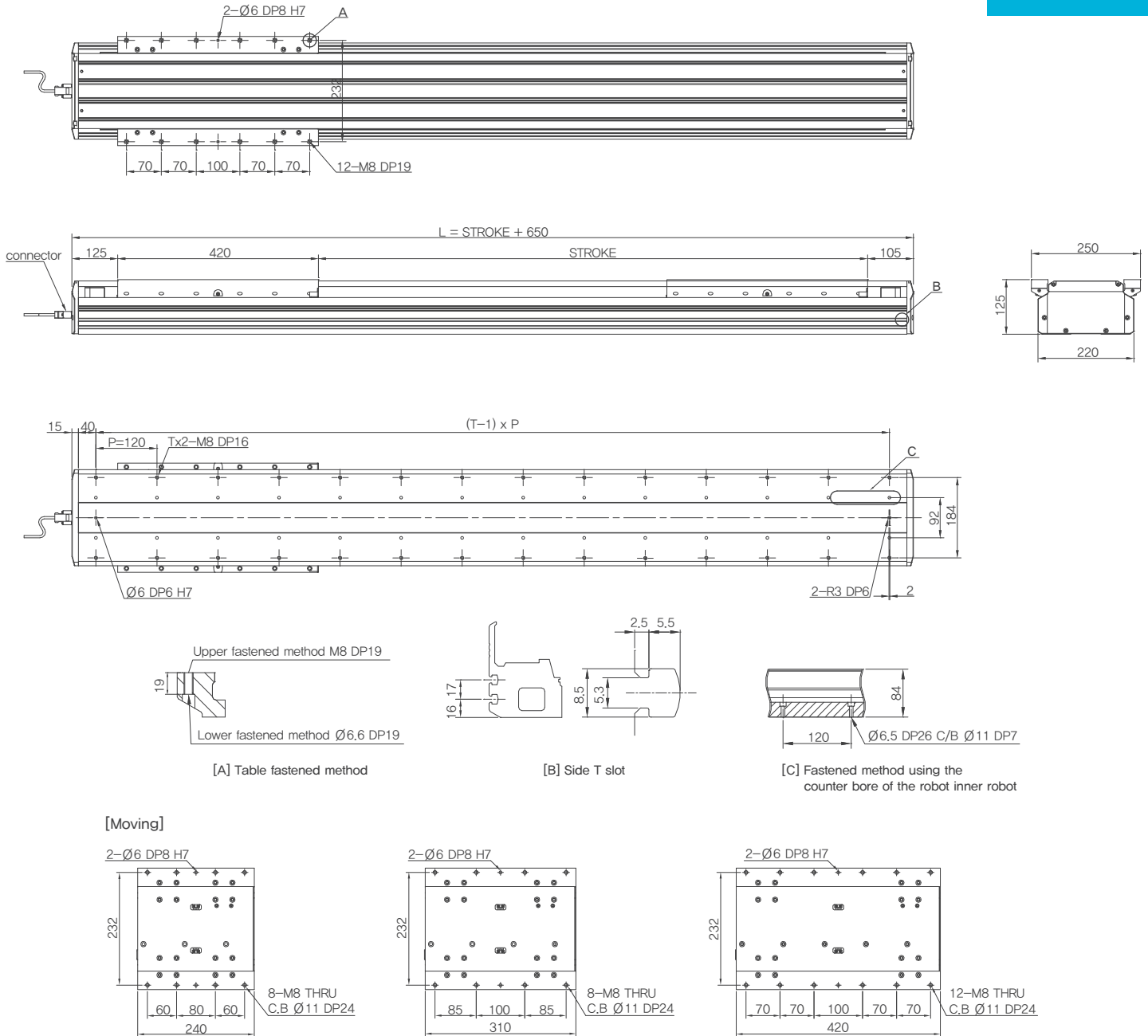


Dimensions

Type	Peak Force	L (Total length)	M1 (Slide length)	M2 (Distance between the slides tab)	P (Rear surface tab pitch)
Core	35A-230A	440N	300	8-M8 (80+100+80)	
	50A-200B	600N	210 + M1 + STROKE	8-M8 (80+80+80)	120
	50A-380B	1200N		12-M8 (80+80+100+80+80)	

Basic Specifications

Type	Max Force (N)	Continuous Force (N)	Straightness	Repeatability	LM Guide
Core	440N	160N			
	600N	280N	$\pm 10\mu\text{m} / 300\text{mm}$	$\pm 1\mu\text{m}$	SSR25WX2SS-II
	1200N	560N			



Dimensions

Type	Peak Force	L (Total length)	M1 (Slide length)	M2 (Distance between the slides tab)	P (Rear surface tab pitch)
Coreless	40A-140C	140N	240	8-M8 (60+80+60)	120
	40A-253C	280N	210 + M1 + STROKE	8-M8 (85+100+85)	
	40A-365C	420N	420	12-M8 (70+70+100+70+70)	

Basic Specifications

Type	Max Force (N)	Continuous Force (N)	Straightness	Repeatability	LM Guide
Coreless	140N	47N	±10 μ m / 300mm	±1 μ m	SSR25WX2SS-II
	280N	93N			
	420N	140N			

PRECISION STAGE

06

SPS

... SPS200 / SPS300 / SPS400

SPS (Standard Precision Stage)

MODEL CONFIGURATION

Model	Table Size
SPS	200
SPS	200
SPS	300
SPS	400

1. SPS : Standard Precision Stage

2. Table Size : Width of the table (mm)

200 : 200 x 200

300 : 300 x 300

400 : 400 x 400

Calculation formula of movement amount

– Working distance calculation examples

$\delta x 1$: x 1 Moving distance of axis

$\delta x 2$: x 2 Moving distance of axis

$\delta x Y$: Y Moving distance of axis

$\delta \theta$: Movement angle

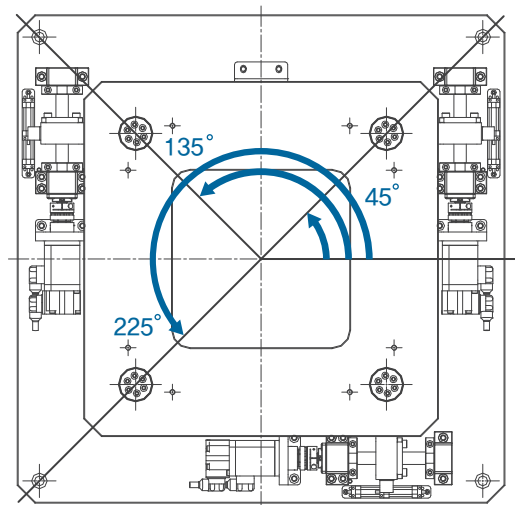
$\theta x 1, \theta x 2, \theta Y$: Rotational center angle of axis

(135, 225, 45), $\theta 0$: Before movement the angle of the current location

$$\delta x 1 = RCOS(\delta \theta + \theta X 1 + \theta 0) - RCOS(\theta X 1 + \theta 0)$$

$$\delta x 2 = RCOS(\delta \theta + \theta X 2 + \theta 0) - RCOS(\theta X 2 + \theta 0)$$

$$\delta Y = RSIN(\delta \theta + \theta Y + \theta 0) - RSIN(\theta Y + \theta 0)$$



Enter the rotation target following the above equation, and calculate the moving distance of each axis.

And move to place of the end goal with linear motion as each axis.

If you put the SPS200 on the current position where placed the one's regular position, and rotate 2°,

$$\delta x 1 = 145\sqrt{2} \cos(2+135+0) - 145\sqrt{2} \cos(135+0) = -4.97210$$

$$\delta x 2 = 145\sqrt{2} \cos(2+225+0) - 145\sqrt{2} \cos(225+0) = +5.148757$$

$$\delta Y = 145\sqrt{2} \sin(2+45+0) - 145\sqrt{2} \sin(45+0) = +4.97210$$

Thereby you can get the wanted rotation angle, and the rest of moving distance do linear motion.

At this time, be careful to not depart from the stroke range.

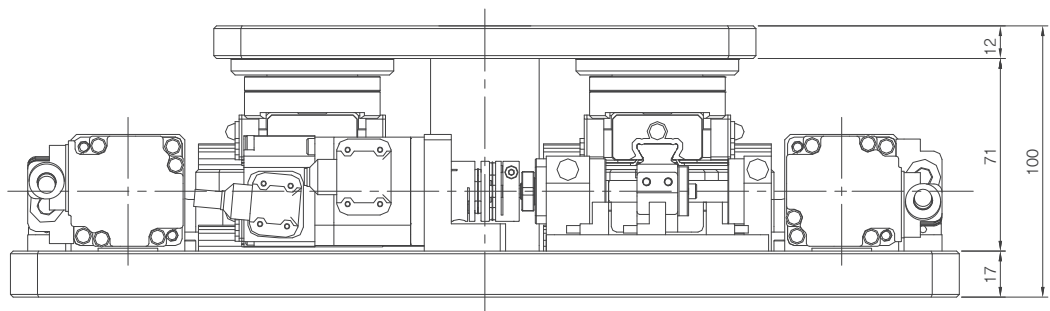
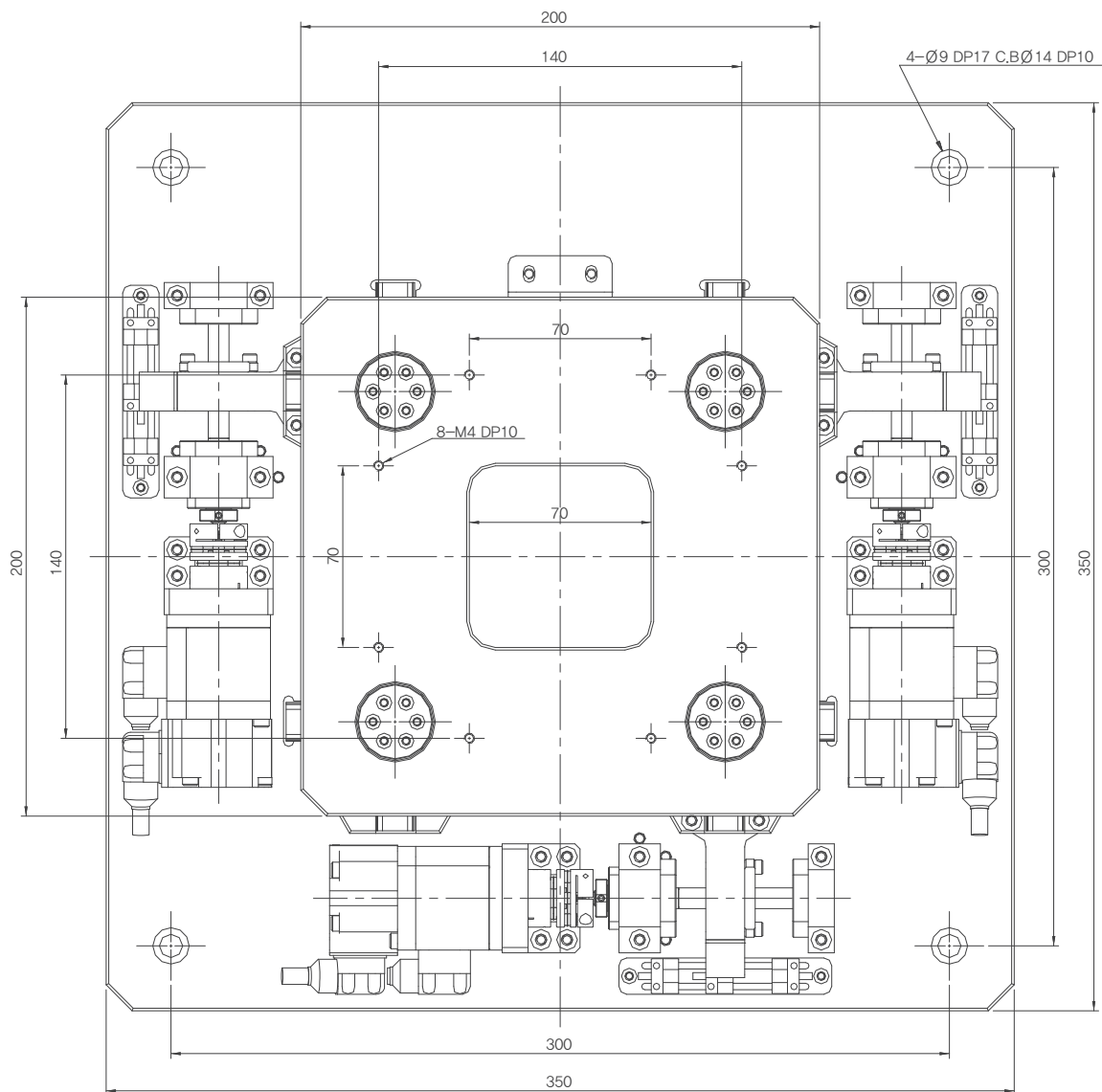
FEATURE

- Lightweight implementation as compact structure
- High-rigidity structure through structural analysis
- High iteration positioning accuracy $\pm 1\mu\text{m}$
- High running parallelism $\pm 1\mu\text{m}$
- Stage made of possible to rotational movement by using a cross roller bearings and LM guide

CAUTION

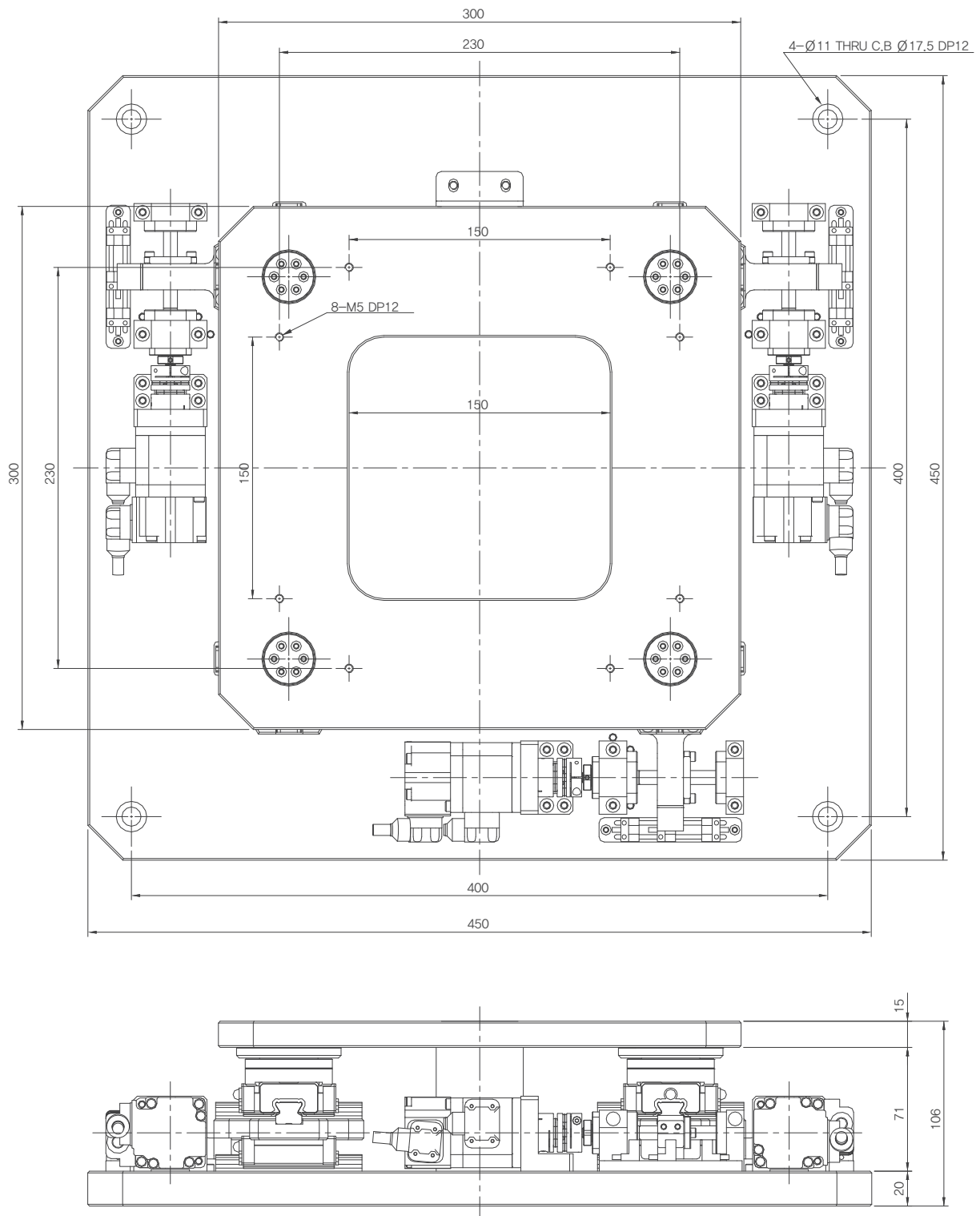
- Worker should wear a helmet and safety shoes for safety.
- When you entering into the operation area for the inspection and verification, you must turn off the power of the product.
- It must not exceed the rated load.
- Grease is in principle injected once every six months.
- Use temperature is based on the room temperature (0~40°C) When temperatures exceed this, please contact us.
- Please use where condensation does not occur within Humidity 80%.
- When use the vertical and horizontal use, there is a difference in the rated load.
- There is a difference in the rated load depending on the moment distance.

SPS200



Specifications

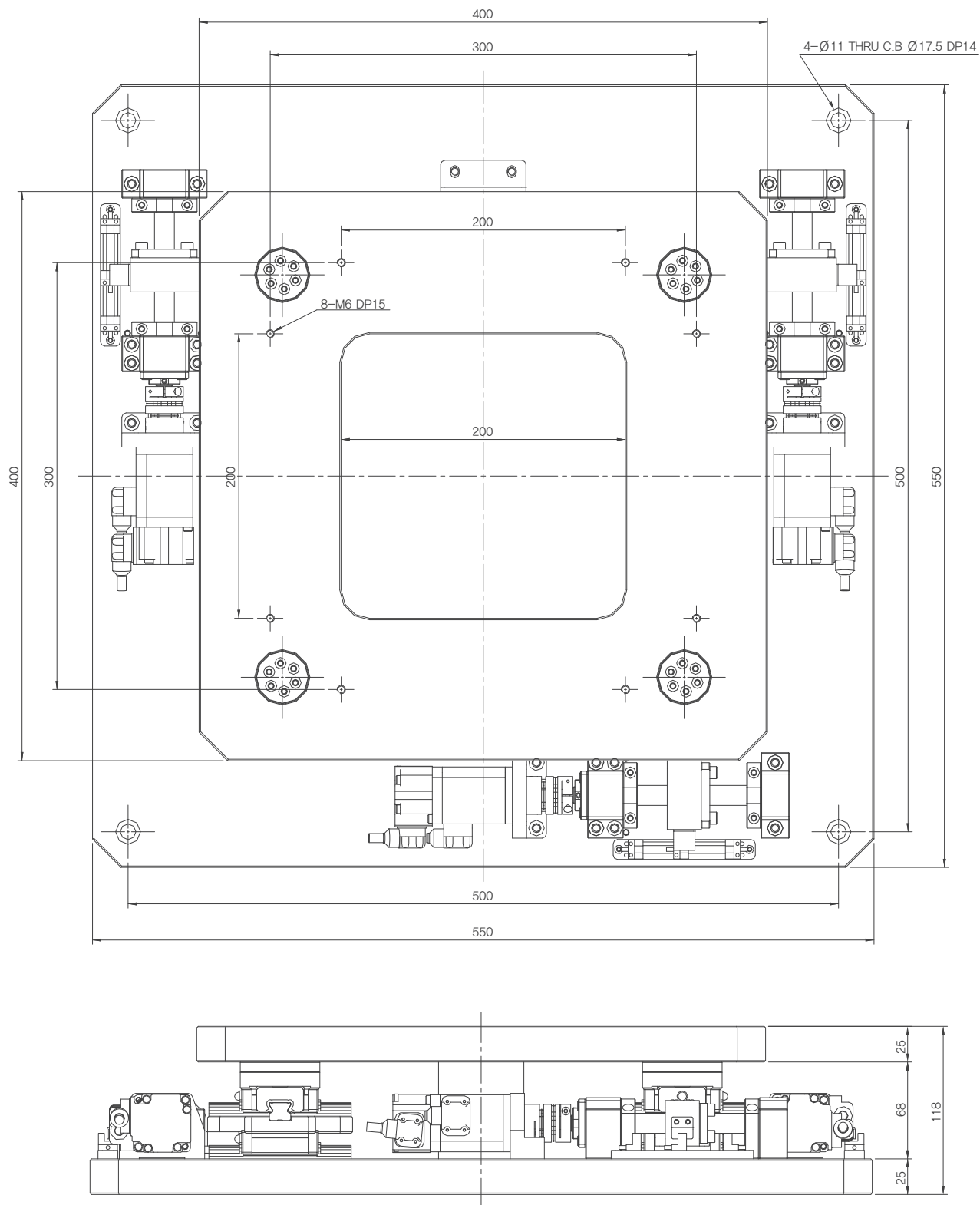
LM Guide	Ball Screw	Bearing	Motor	Weight	Table Size	Stroke	Repeat Accuracy	Straightness	Max Load
SR15W	SG0801	RB2508	50W	15Kg	200 x 200	10 x 10 x 6'	±1µm	±1µm	40Kg



Specifications

LM Guide	Ball Screw	Bearing	Motor	Weight	Table Size	Stroke	Repeat Accuracy	Straightness	Max Load
SR15W	SG0801	RB2508	50W	23Kg	300 x 300	10 x 10 x 6'	±1µm	±1µm	40Kg

SPS400



Specifications

LM Guide	Ball Screw	Bearing	Motor	Weight	Table Size	Stroke	Repeat Accuracy	Straightness	Max Load
SR15W	BNK1402	RB2508	100W	40Kg	400 x 400	10 x 10 x 6'	±1µm	±1µm	50Kg

07 TUTORIAL

TUTORIAL

[Introduction]

Thank you for using the Actuator of Co,O-BEYONG.

This manual describes the Co,O-BYEONG's actuator specifications, installation, maintenance and inspection of belt drive method. If the actuator of user is the special order specification, the priority in the case of any dispute is located in each of the approved drawings for a special order specification.

[Safety Precautions]

Before the attachment, operation, maintenance, inspection of this product, read this manual, then use properly.

These tasks also should be performed by someone with sufficient knowledge of the machine and safety.

Caution details shown below, is for the human body and preventing the loss of property in advance by using correct and safe the products.

This manual classifies the safety precautions into danger/warning/attention/request.

Danger: If handled incorrectly, this is can bring the risk of death or serious injury.

Warning: If handled incorrectly, this is can bring the risk of death or serious injury.

Attention: If handled incorrectly, this is can bring the possibility of injury or physical damage.

Request: Although it doesn't have the possibility of injury, these contents are needed to keep for using the product correctly.

Even in attention and request, it may lead to a serious consequence according to the circumstances.

Please after keep in mind, and then handle carefully.

[Danger]

– The basic

Do not use for purposes such as below.

1. Medical equipment related to Life and maintenance of the body, management etc.
2. The machinery, mechanism for the purpose of movement or conveyance of people.
3. Important security components of the machine.

The product is not planned / designed in applications requiring a high degree of safety. It does not guarantee for life.

Also, the scope of the warranty is only the delivered relevant products.

– Installation

1. Do not use in dangerous locations where firer, ignition, explosives etc. There is possibility of fire, ignition and explosion.
2. When you install the product, please must be maintaining of reliable storage and fixing.
There is a possibility of injury by conduction, fall, and abnormal operation of the Product.
3. Please avoid use in an area where water droplets, oil droplets can splash on the body.

– Operation

1. When the state in operating or can operate of the product, Do not enter the operating range of the machine.
There is a possibility of injury, when Actuator suddenly moves etc.
2. If you pour water on the product or use in washing and underwater, it can cause abnormal operation.

– Maintenance, inspection, repair

1. Never modify the product. It can cause damage by the abnormal operation.
2. Do not inappropriate disassembly assemble related to the basic structure or the performance, features of the product.
It can cause damage by the abnormal operation

TUTORIAL

[Warning]

– The basic

Do not use except the specification range of product. If used in except the specified range, it may cause malfunction/stop/damage to the product and occurred the reduction in product life. Especially, please keep the maximum load weight/maximum speed.

– Installation

1. When the machine is stopped as abnormal systems such as emergency stop, power failure, etc, Please design the safety circuit or aids to do not occur the damage/fatalities of the device.
2. Before supplying electricity to the product, or activating, please be sure to carry out the safety checks of equipment operating range.

– Operation

1. When the moving parts of product move by hands (fitted by the manual, etc.), please make sure the power is off.
It can be a cause of accident.
2. Please turn off the power when you got a power failure. When the power failure recovers, it can cause an accident/damage by suddenly starting to move the product.
3. In the case joints occur or vibration is unusually high, please stop the operation immediately.
When used as it is, it may cause damage/malfunction/congestion.
4. Do not sit or load up the Transportation and stuff on the product. This can cause conduction / fall / damage / malfunction, etc.

– Maintenance, inspection, repair

1. Operations such as Maintenance check, servicing or replacement related to the product must be carried out after completely cut off the electricity supply and then please observe the following points.
 - 1) During the operation, Please mark such as 'in operation, forbid the power' to do not put the power by third party.
 - 2) When several operators are carrying out the Maintenance check, be sure to check the power on / off, and attention to safety.

– Abrogation

1. Do not administer the product in a fire. There is a risk of rupture or toxic gas in the products.

[Attention]

– Installation

1. Do not use in an area where have direct sunlight [ultraviolet], dust, salt, iron, humid conditions, humid conditions and including the organic solvents, Lynne acid ester-based hydraulic oil, etc. It causes short-term loss of function, sudden degradation of performance/life.
2. Do not use in the place where there is a corrosive gas [sulfuric acid or hydrochloric acid, etc.]
There is a possibility of deterioration of strength by the formation of rust.
3. Do not install it in the place of transmitted the Vibration or shock.
4. In operation, Please prepare an emergency stop device to prepare the emergency situation.
5. When the product install, the place for maintenance work must be secured.
6. When the product are transportation / installation, Pay attention to the physical safety by supporting the lift or support tools or carrying out from plurality of people, etc.
7. When operations such as Installation and adjustment carrying out, Please mark such as 'in operating, Prohibited the power' to prevent the supply of the power suddenly. There is a risk of an accident by sudden operation of Actuator.

– Operation

1. When put the power, please put in order from the top of the unit.
It can cause wound / product damage by suddenly starting to operate the product.
2. Do not administered foreign objects into the opening or body parts of the product.
3. Do not sit on the product or do not use a carrier. Do not damage / deformation in the driving part.

– Maintenance, inspection, repair

1. When the lubricant of actuator applies, please wear protective glasses it can cause the risk of injury.

[Request]

– Installation

1. If you use the product as a vertically, please be sure to use the masterpiece specification (attached with brake).
2. Please isolate the moving parts of mechanical devices as protective cover to avoid the direct contact with the human body.
3. Do not configure the controls to falling work in case of a power failure. Please configure the anti-fall control, such as a table or work in case of a power failure, emergency shutdown of machinery.
4. In order to ensure the smooth movement of the ball screw and linear guide, with the raising straight line degree of the table, please note the following points.
 - 1) Please complete the installation surface of the body is within the floor plan Belt Type 0.5mm, Screw Type floor plan 0.05mm.
 - 2) In order to obtain the stiffness of the Actuator, please secure the install surface sufficiently.

– Installation, Operation, Maintenance

1. When handling the product, please wear the protective gloves, protective glasses, safety shoes, etc as needed to ensure the safety.
2. If the products are unavailable and not required, please perform the waste treatment as industrial waste.
3. When it does not follow the 'safety precautions', our company is not responsible.

– Product Features

1. This product is a developed product through optimal design method and accumulated developed experience.
2. The upper portion cover of the Actuator is designed to minimize to flow outside dust into the inside that at work by blocking the inside and outside of the machine.
3. Mechanical rigidity is excellent and precision is very high by using the high-rigidity, high-precision Ball screw and Linear Motion Guide.
4. By applying AC Servo Motor, it implement high performance in load change, precise control is possible.
5. It is designed as compact and ergonomic exterior structure.
6. In high-speed, high-precision positioning and combination of robot axes, it is designed to exert outstanding performance.
7. We offer a variety of products according to the driving method, the operating speed, the operating region, the load, etc.



**O.BEYOND WORKS
TO ENSURE
THE MOVEMENT
IS PERFECT.**

O.Beyond Automation Co., Ltd



O. BEYOND AUTOMATION CO., LTD

www.sol-tech.co.kr

Tel: +82.31.494.3369 Fax: +82.31.494.3364

149, MTV 1-ro, Danwon-gu, Ansan-si,

Gyeonggi-do, Korea

