

제조업용 로봇 · 자동화 파트  
생산자동화 설비 토탈솔루션

# ASTO

## |주|아스토



Your Excellent **Solution Provider**  
in Robotics & Automation



PRODUCT  
CATALOG

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“미래는 이미 와 있다.  
단지 널리 퍼져 있지 않을 뿐이다.”

- William Gibson -

## 우리는 전문가 정신과 역량으로 최상의 결과를 만들어 고객과 함께 성장한다!

(주)아스토는 "Your Excellent Solution Provider in Robotics & Automation" 이라는 비전 아래, 제조업용로봇을 바탕으로 각종 장비의 자동화 파트들과 생산자동화 설비에 대한 토털솔루션을 제공합니다.

디스플레이, 반도체, 태양광, ICT, 자동차, 화학, 식품, 바이오 등 여러 산업부문에서 축적된 역량을 바탕으로 맞춤형 서비스를 제공하여 고객과 함께 성장하는 것을 회사의 주요 가치로 삼아, 믿고 찾을 수 있는 파트너 회사로 고객여러분들께 기억되도록 하겠습니다. 저희 회사는 국내 뿐만 아니라, 중국, 동남아, 등 해외시장 진출을 통해 글로벌 파트너로 이미 자리잡아가고 있으며, 향후에도 고객에게 도움되는 제품을 지속적으로 개발하여 로봇 시대를 선도하는 대한민국 대표기업이 되겠습니다. (주)아스토는 고객과 함께 미래를 현실로 만들어 나갈 것입니다. 감사합니다.

(주)아스토 대표이사 오세휘

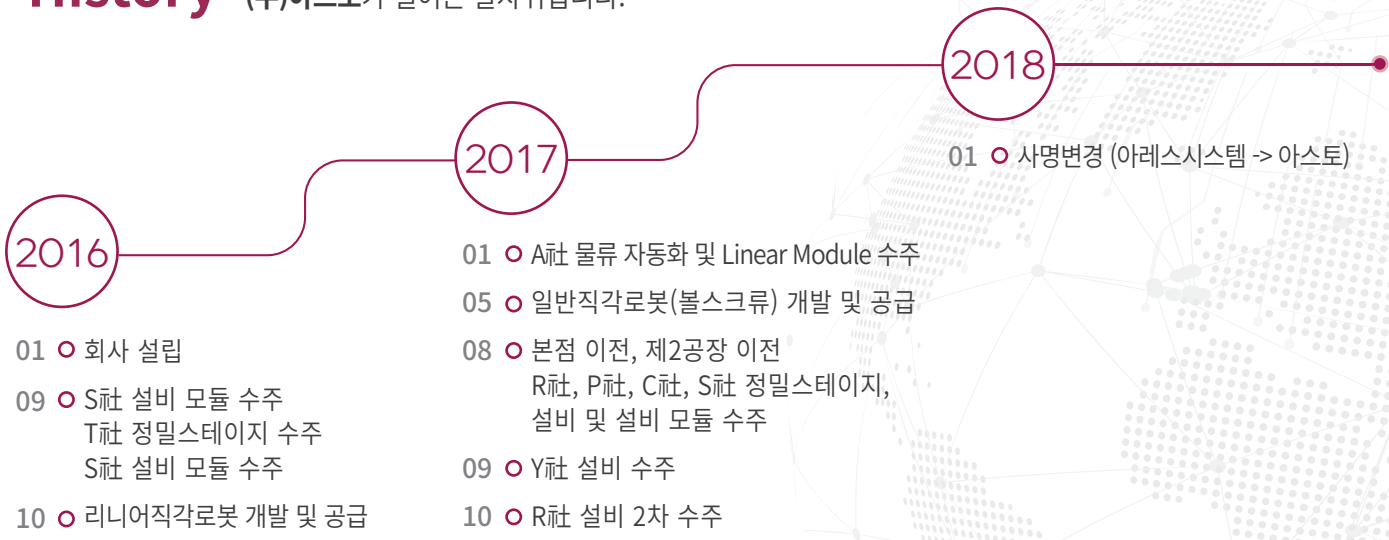


ASTO

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## History (주)아스토가 걸어온 발자취입니다.



# PRODUCT CATALOG

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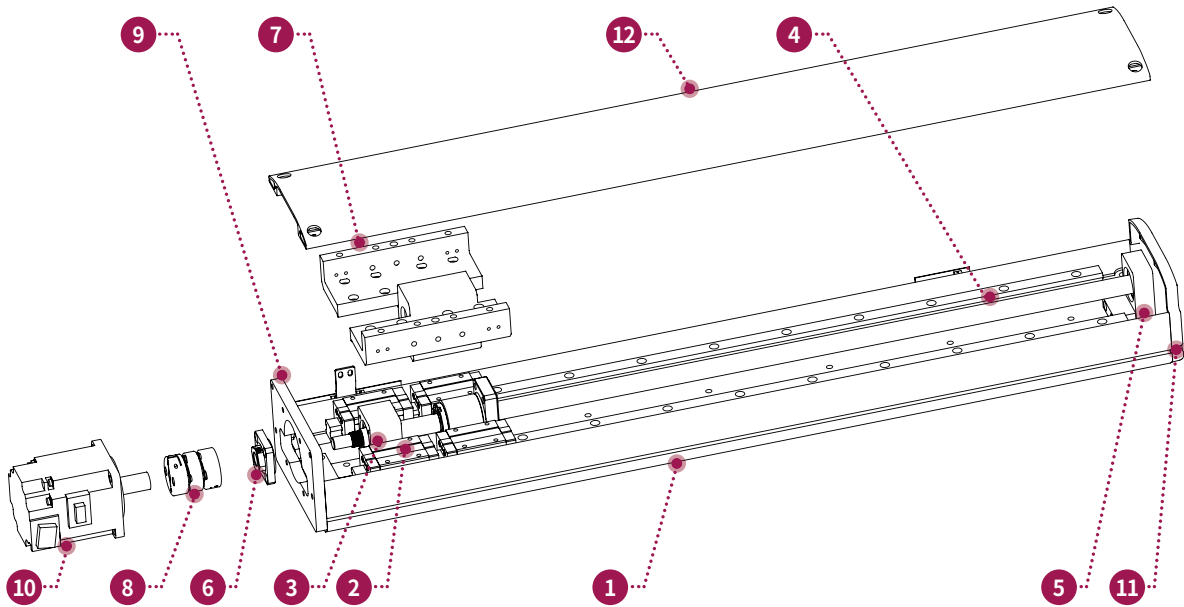
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- |                        |                         |                 |
|------------------------|-------------------------|-----------------|
| ① Base                 | ⑤ Bearing Housing(Free) | ⑨ Motor Bracket |
| ② LM Guide             | ⑥ Lock Nut              | ⑩ Motor         |
| ③ Bearing Housing(Fix) | ⑦ Slider                | ⑪ End Cover     |
| ④ Ball Screw           | ⑧ Coupling              | ⑫ Upper Cover   |

## • Features

### > 고강성 & 컴팩트 사이즈

구조해석 적용 | 공간 활용 최적화 | LM 플랜지 타입 적용 | 더 작은 크기로도 동일 퍼포먼스 구현

### > 다양한 조합의 표준 구성

### > 표준테이블을 통한 설계편의성 제공

### > 저소음 설계

### > 병렬형 타입 파워락 및 반투명 견시창 기본 채용

### > 상,하부 어디서든 편리한 체결

### > 유지보수 편리

## • Notes

### > 평탄도

· 로봇 하단 기준면에서 슬라이더 상면까지의 평탄도는  $\pm 0.05\text{mm}/1000\text{mm}$  이하입니다.

### > 반복정밀도 & 위치정밀도

· 위치정밀도는 목표 위치와 실제 도달한 위치간의 차이(에러)를 뜻합니다.

· 반복정밀도는 동일한 task를 반복적으로 수행할때 발생하는 차이를 말합니다.

### > 속도

· 주요 구성품인 Ball Screw의 위험회전속도로 인해, Stroke이 길어질수록 최대속도는 감소합니다.

자세한 내용은 각 페이지별 "Stroke, Dimension & Velocity"를 참고해 주세요.

# Model name

Model	Base width	Type1	Type2	Motor		Lead	Stroke	Option
				power	type			
URS	060	- S	A	- 100	N	05	- 0500	- C

## > Model

URS: General Ball Screw

## > Base width

060 / 080 / 100 / 120 / 140 / 180  
(ex. 060=60mm, 180=180mm)

## > Type 1

Motor mounting methods  
S: Straight Type  
L: Left parallel Type  
R: Right parallel Type  
B: Behind Type  
G: Guide axis

## > Type 2

Model Type (A: Standard, B: Customized)

## > Motor power

Motor power in watts (ex. 200=200W Motor)  
100 / 200 / 400 / 750

## > Motor type

N: No-Brake type B: Brake type

## > Lead

Ball screw lead in mm (ex. 10=10mm lead)  
05 / 10 / 20 / 25 / 30 / 40

## > Stroke

Range of motion in mm (0500=500mm)

## > Option

C: Out Side 3 Sensors (Customized)  
2: 2개 이상의 Slider일 경우 표기 (ex. 2,3,4~)  
B: Black Anodizing  
E: 그리스 외부주유  
F: LM, B/S Raydent  
L: 2-LM Block

Series **1**

Model width **3**

Specifications **4**

External dimensions **6**

**URS** | 060-SA

URS060-SA-100N05-0500-C  
Base width 60mm, Ball Screw type

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- S	A	- 100	N	05	- 0500	- C

S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized/Option) (Page 7 참조)

L: Left parallel type    B: Customized type    B: Brake type

R: Right parallel type

B: Behind type

G: Guide axis

**• Specification**

Input Motor (W)	300		
LM Guide	No.15 (1Rail 1Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

**• Allowable Overhung Load**

Static Admissible State (N-m)	Me0	My0	Mr0
	77	65	85

**DETAIL "P"**

\*NOTE\*  
1) Motor: Mitsubishi servo motor J4 series  
2.) BRAKE Motor dimension

**• Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	251	301	351	401	451	501	551	601	651	701	751	801	851	901	951	1001
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5
B	175	75	125	175	75	125	175	75	125	175	75	125	175	75	125	175
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	2	2.4	2.6	2.8	3	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.1	5.3	5.6

Description **2**

Allowable overhung load **5**

Stroke, Dimension & Velocity **7**



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- S	A	- 100	N	05	- 0500	- C

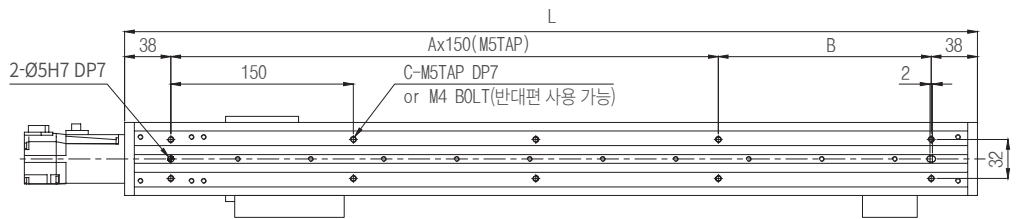
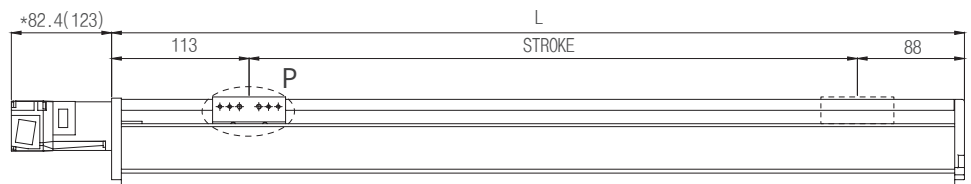
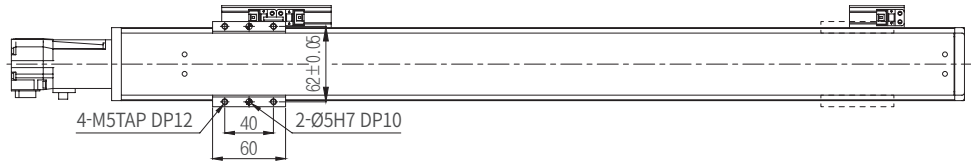
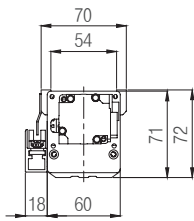
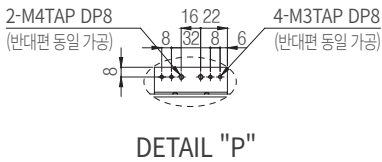
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	100		
LM Guide	No.15 (1Rail 1Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	77	65	85



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	251	301	351	401	451	501	551	601	651	701	751	801	851	901	951	1001
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5
B	175	75	125	175	75	125	175	75	125	175	75	125	175	75	125	175
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	2	2.4	2.6	2.8	3	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.1	5.3	5.6





URS060-SB-100N05-0500-C-L  
Base width 60mm, Ball Screw type

**URS** | 060-SB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- S	B	- 100	N	05	- 0500	- C

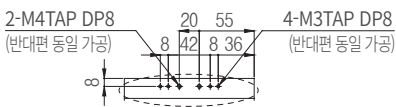
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

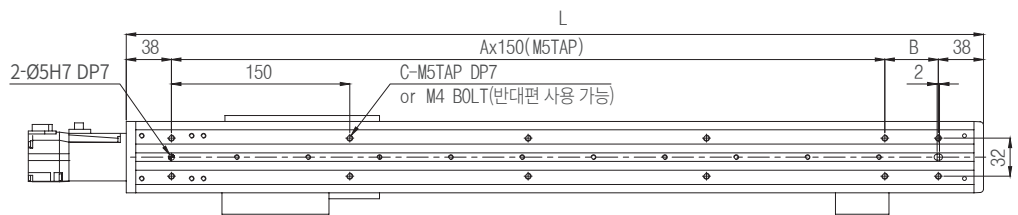
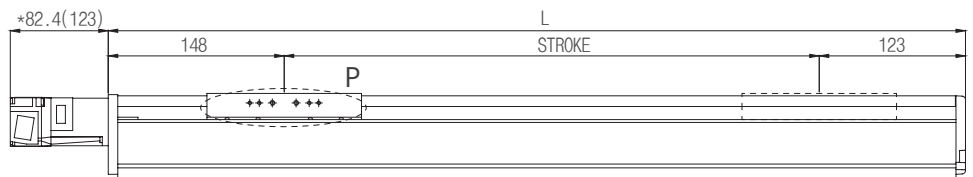
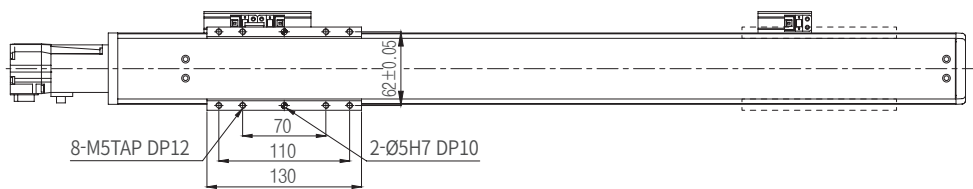
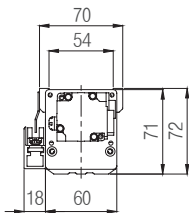
Input Motor (W)	100		
LM Guide	No.15 (1Rail 2Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	470	395	85



DETAIL "P"



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	321	371	421	471	521	571	621	671	721	771	821	877	921	977	1021	1077
A	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6
B	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95
C	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	3	3.2	3.3	3.5	3.7	3.9	4.1	4.4	4.6	4.8	5	5.3	5.5	5.8	6	6.2



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- R	A	- 100	N	05	- 0500	- C

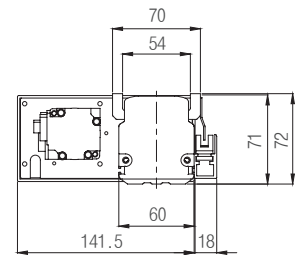
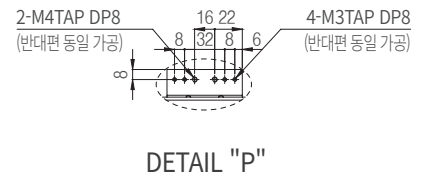
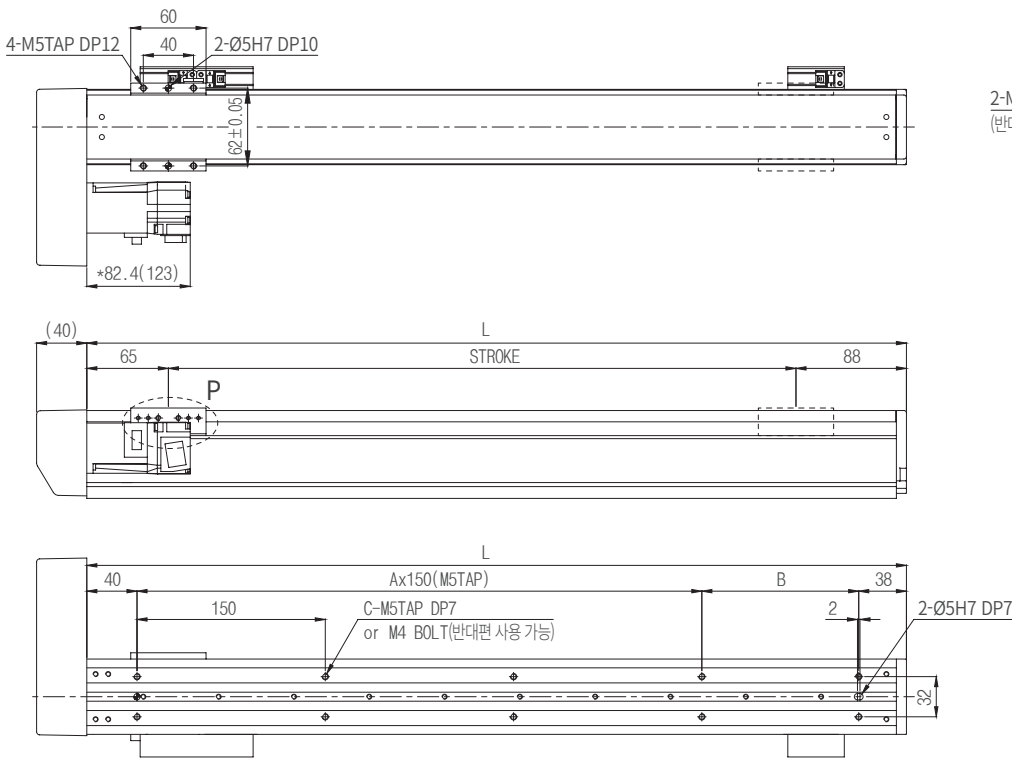
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	100		
LM Guide	No.15 (1Rail 1Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	77	65	85



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.(.) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	203	253	303	353	403	453	503	553	603	653	703	753	803	853	903	953
A	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5
B	125	175	75	125	175	75	125	175	75	125	175	75	125	175	75	125
C	4	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	2.4	2.6	2.8	3	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5	5.3	5.5	5.7



URS060-RB-100N05-0500-C-L  
Base width 60mm, Ball Screw type

**URS** | 060-RB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- R	B	- 100	N	05	- 0500	- C

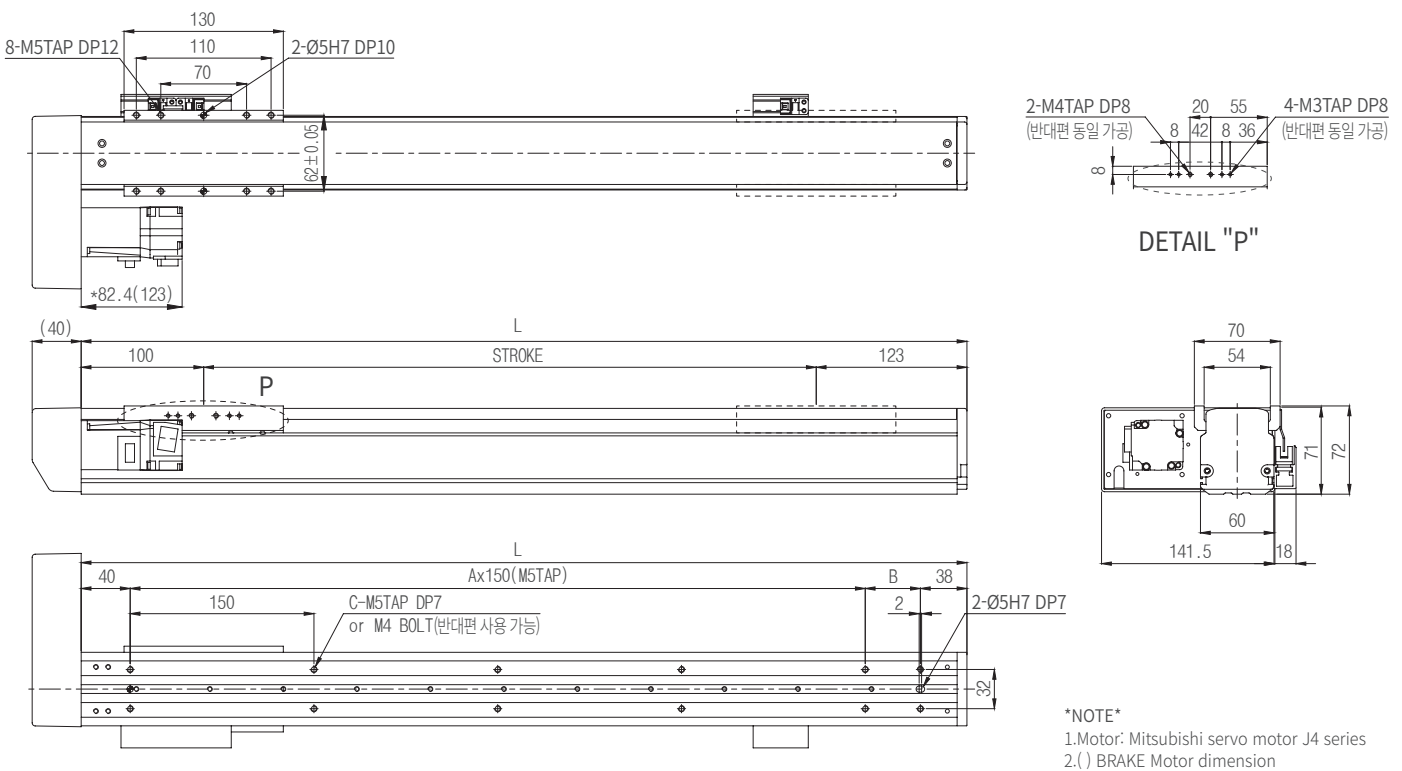
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	100		
LM Guide	No.15 (1Rail 2Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	470	395	85



• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6
B	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5	5.2	5.4	5.7	6	6.2	6.4



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- L	A -	100	N	05	- 0500	- C

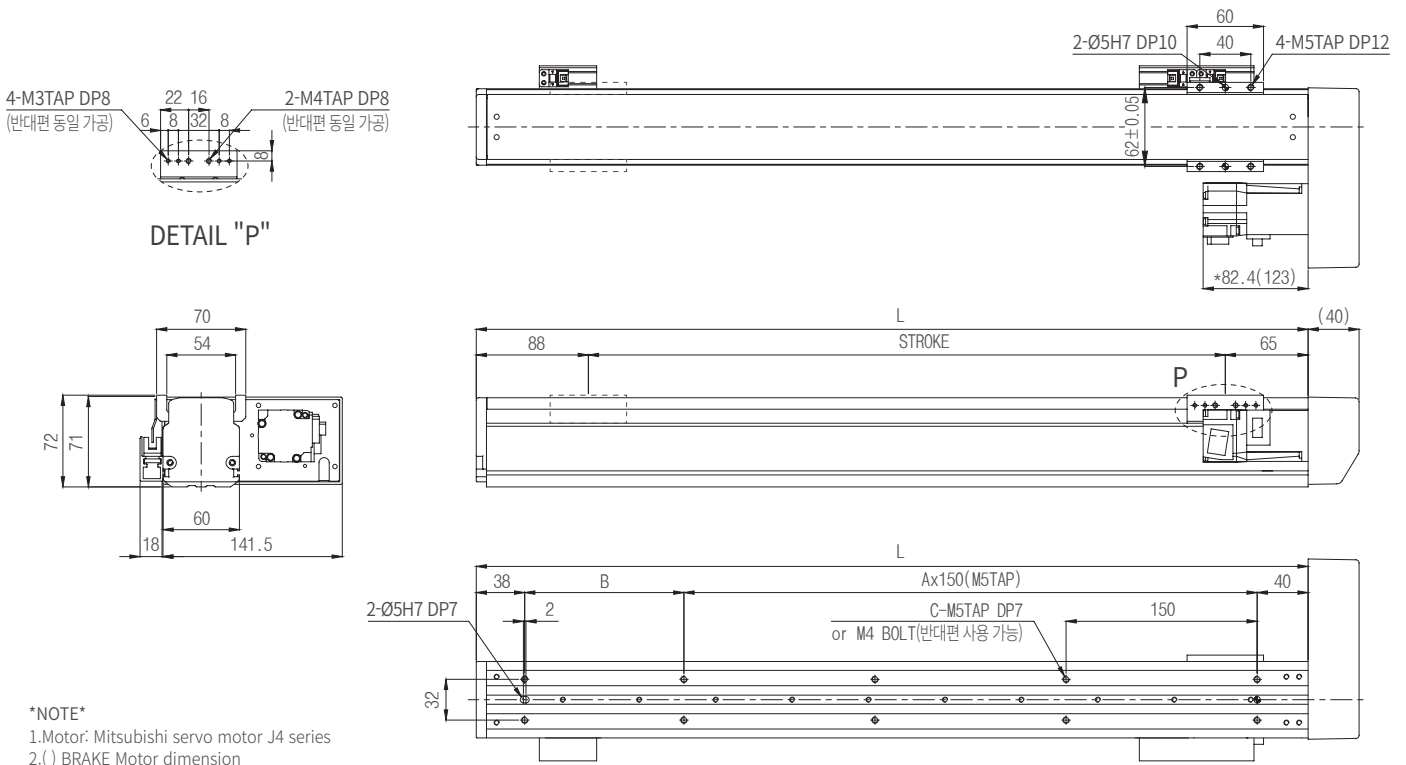
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	100		
LM Guide	No.15 (1Rail 1Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	77	65	85



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	203	253	303	353	403	453	503	553	603	653	703	753	803	853	903	953
A	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5
B	125	175	75	125	175	75	125	175	75	125	175	75	125	175	75	125
C	4	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	2.4	2.6	2.8	3	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5	5.3	5.5	5.7



URS060-LB-100N05-0500-C-L  
Base width 60mm, Ball Screw type

**URS** | 060-LB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 060</b>	<b>- L</b>	<b>B</b>	<b>- 100</b>	<b>N</b>	<b>05 - 0500 - C</b>			

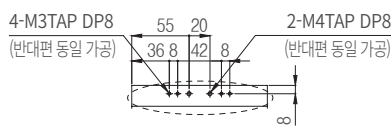
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

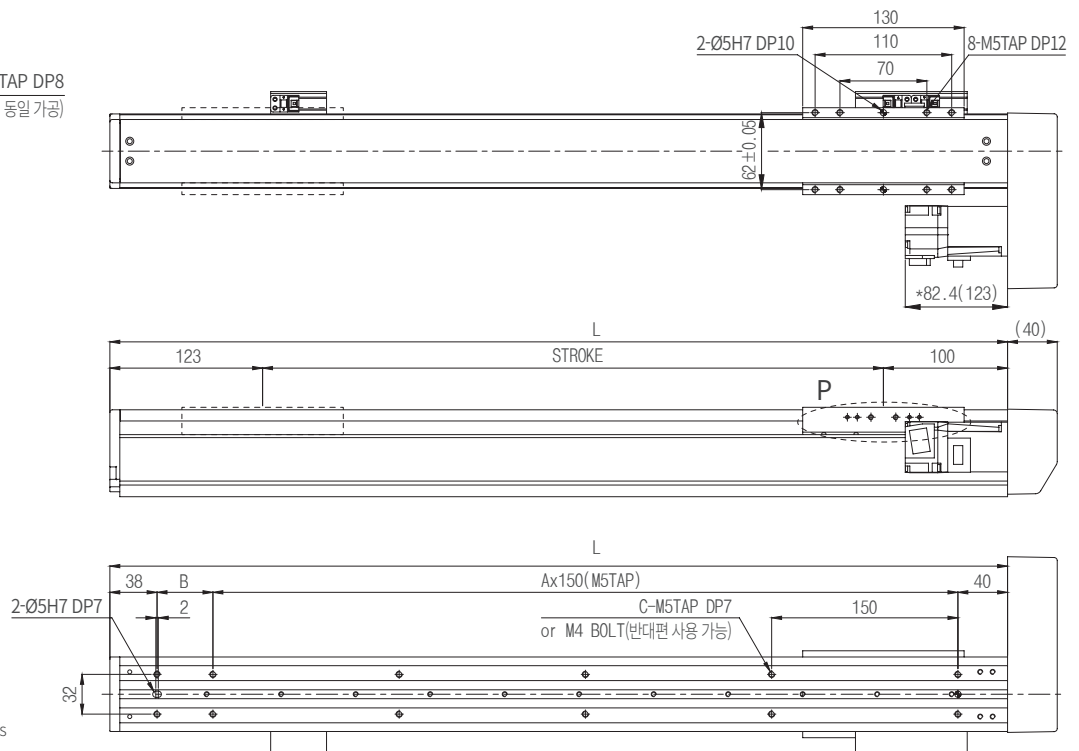
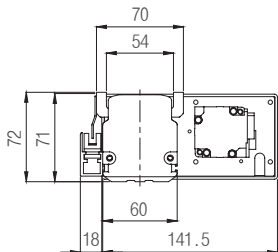
Input Motor (W)	100		
LM Guide	No.15 (1Rail 2Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	470	395	85



DETAIL "P"



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6
B	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250	250	225	200	165	150	130
	1210	300	400	500	500	500	500	500	500	500	500	450	400	330	300	260
	1220	600	800	1000	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5	5.2	5.4	5.7	6	6.2	6.4



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- B	A	- 100	N	05	- 0500	- C

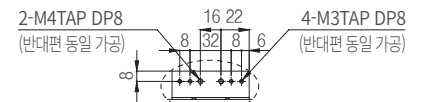
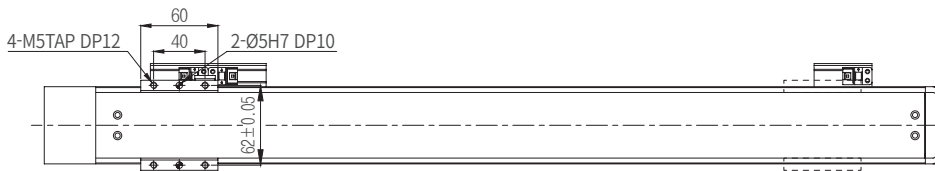
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

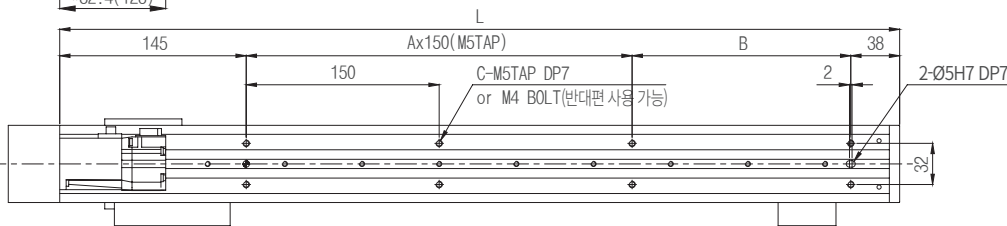
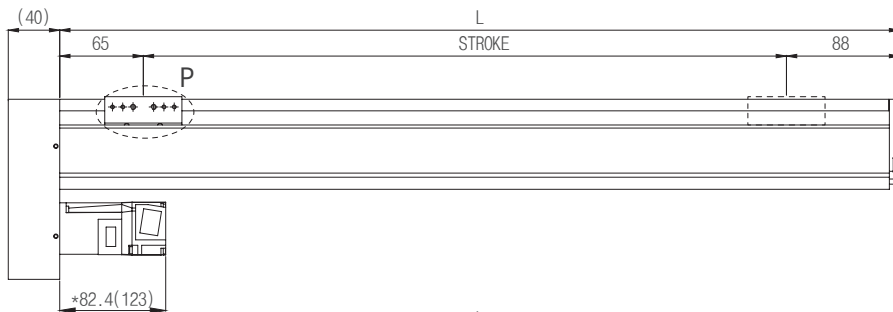
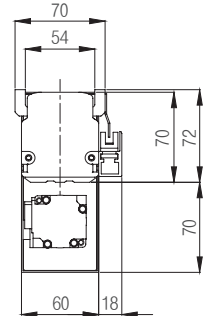
Input Motor (W)	100		
LM Guide	No.15 (1Rail 1Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	77	65	85



DETAIL "P"



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
L	353	403	453	503	553	603	653	703	753	803	853	903	953
A	0	1	1	1	2	2	2	3	3	3	4	4	4
B	170	70	120	170	70	120	170	70	120	170	70	120	170
C	4	6	6	6	8	8	8	10	10	10	12	12	12
Max speed (mm/s)	1205	250	250	250	250	250	250	250	225	200	165	150	130
	1210	500	500	500	500	500	500	500	450	400	330	300	260
	1220	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	3	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5	5.3	5.5	5.7



URS060-BB-100N05-0500-C-L  
Base width 60mm, Ball Screw type

**URS** | 060-BB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	060	- B	B	- 100	N	05	- 0500	- C

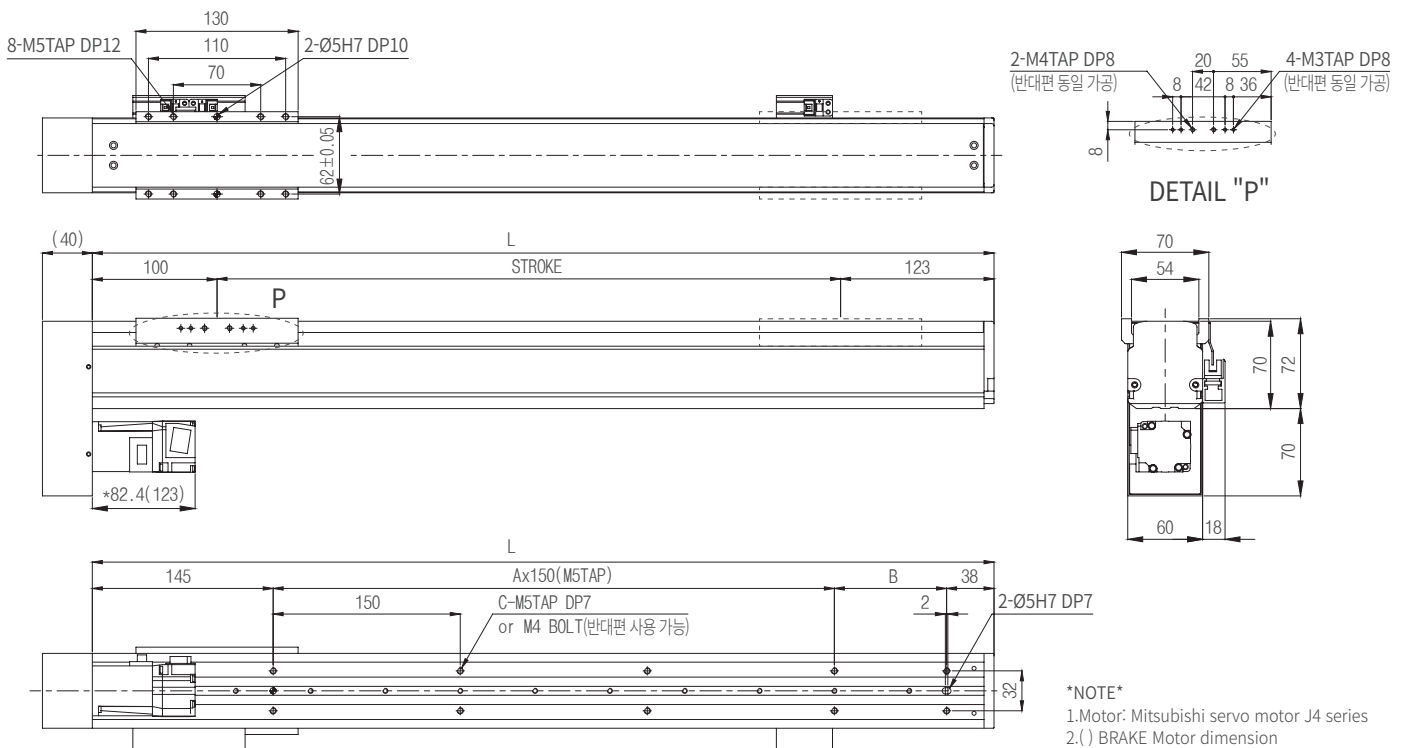
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	100		
LM Guide	No.15 (1Rail 2Block)		
Ball Screw size	Ø12		
Ball Screw lead (mm)	05	10	20
Repeatability (mm)	±0.02	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20	16
	Vertical	10	6
		7	1

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	470	395	85



• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
L	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	1	1	2	2	2	3	3	3	4	4	4	5	5
B	90	140	40	90	140	40	90	140	40	90	140	40	90
C	6	6	8	8	8	10	10	10	12	12	12	14	14
Max speed (mm/s)	1205	250	250	250	250	250	250	250	225	200	165	150	130
	1210	500	500	500	500	500	500	500	450	400	330	300	260
	1220	1000	1000	1000	1000	1000	1000	1000	900	800	660	600	520
Weight (kg)	3.7	3.9	4.1	4.3	4.6	4.8	5	5.2	5.4	5.7	6	6.2	6.4



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	080	- S	A	- 200	N	05	- 0500	- C

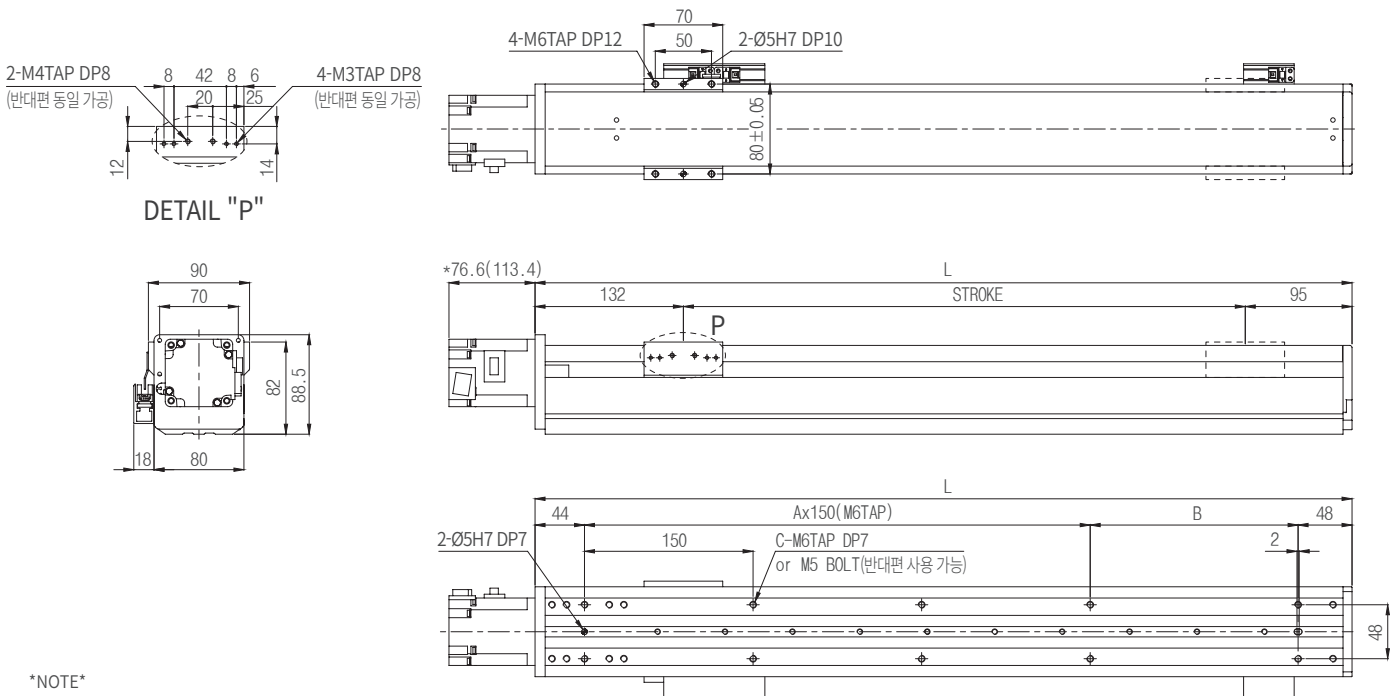
S: Straight type      A: Standard type      100W, 200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( )mm BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
L	277	327	377	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	
B	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85	
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	
Weight (kg)	3.1	3.5	3.8	4.2	4.6	5	5.3	5.7	6	6.4	6.8	7.2	7.5	7.9	8.2	8.6	9	9.4	9.7	10.1	





URS080-SB-200N05-0500-C-L  
Base width 80mm, Ball Screw type

**URS** | 080-SB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 080</b>	<b>- S</b>	<b>B</b>	<b>- 200</b>	<b>N</b>	<b>05 - 0500 - C</b>			

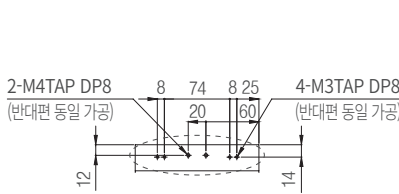
S: Straight type    A: Standard type    100W, 200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

**• Specification**

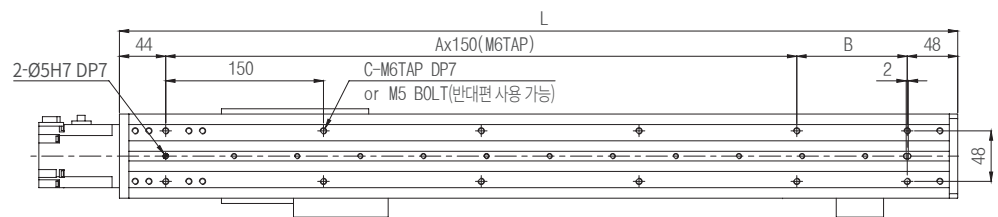
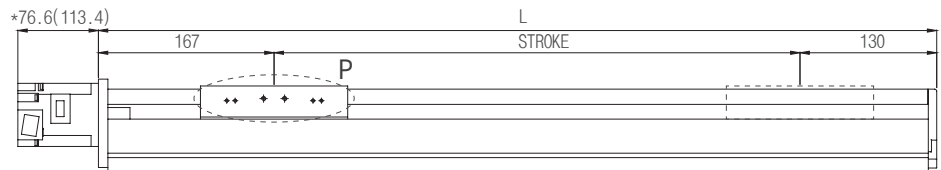
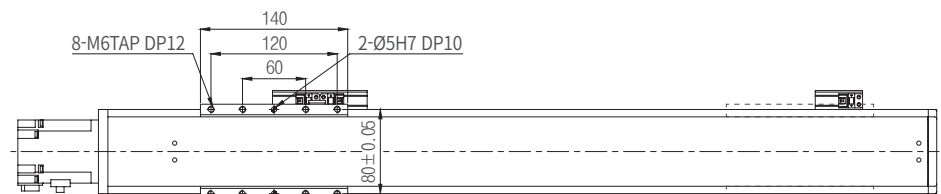
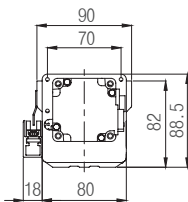
Input Motor (W)	200				
LM Guide	No.20 (1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

**• Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	755	630	160



DETAIL "P"



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( )mm BRAKE Motor dimension

**• Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	347	397	447	497	547	597	647	697	747	797	847	897	947	997	1047	1097	1147	1197	1247	1297
A	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7
B	105	155	55	105	155	55	105	155	55	105	155	55	105	155	55	105	155	55	105	155
C	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.2	4.6	5	5.4	5.7	6.1	6.5	6.9	7.3	7.6	7.9	8.3	8.6	9	9.3	9.7	10.1	10.5	10.8	11.3



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	080	- R	A	- 200	N	05	- 0500	- C

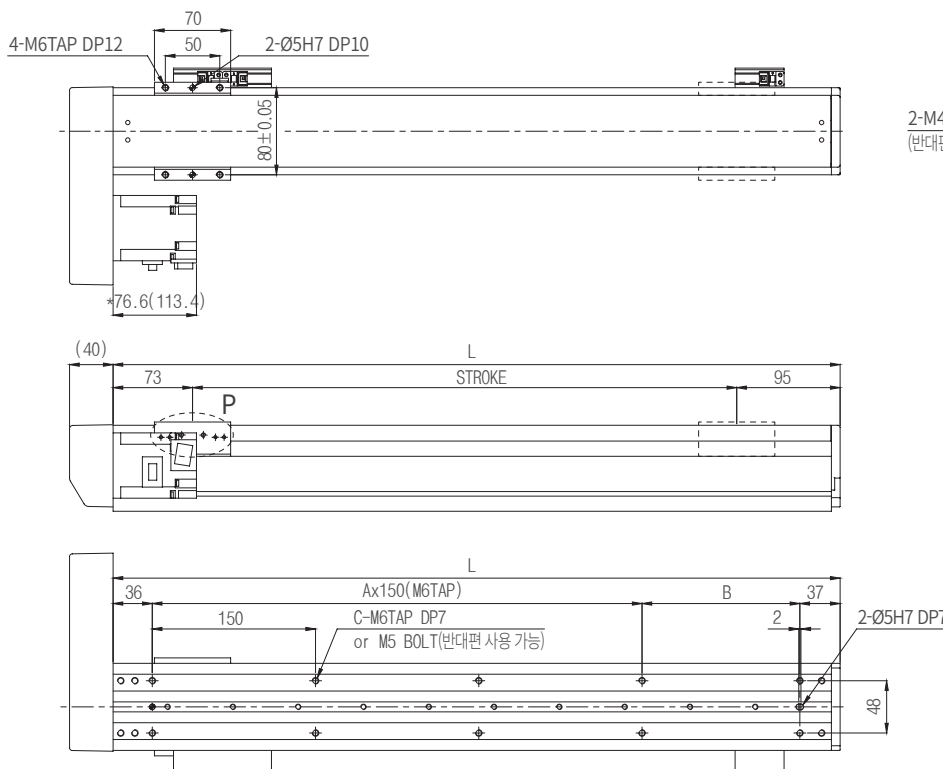
S: Straight type      A: Standard type      100W, 200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) mm BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	218	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7
B	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	3.4	3.8	4.1	4.5	4.8	5.3	5.6	6	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.0	10.4



URS080-RB-200N05-0500-C-L  
Base width 80mm, Ball Screw type

**URS** | 080-RB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 080</b>	<b>- R</b>	<b>B</b>	<b>- 200</b>	<b>N</b>	<b>05 - 0500 - C</b>			

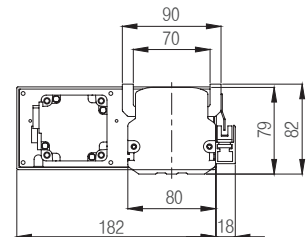
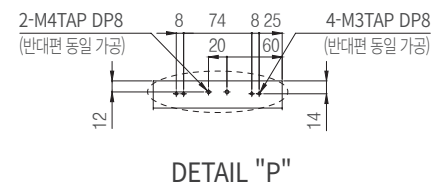
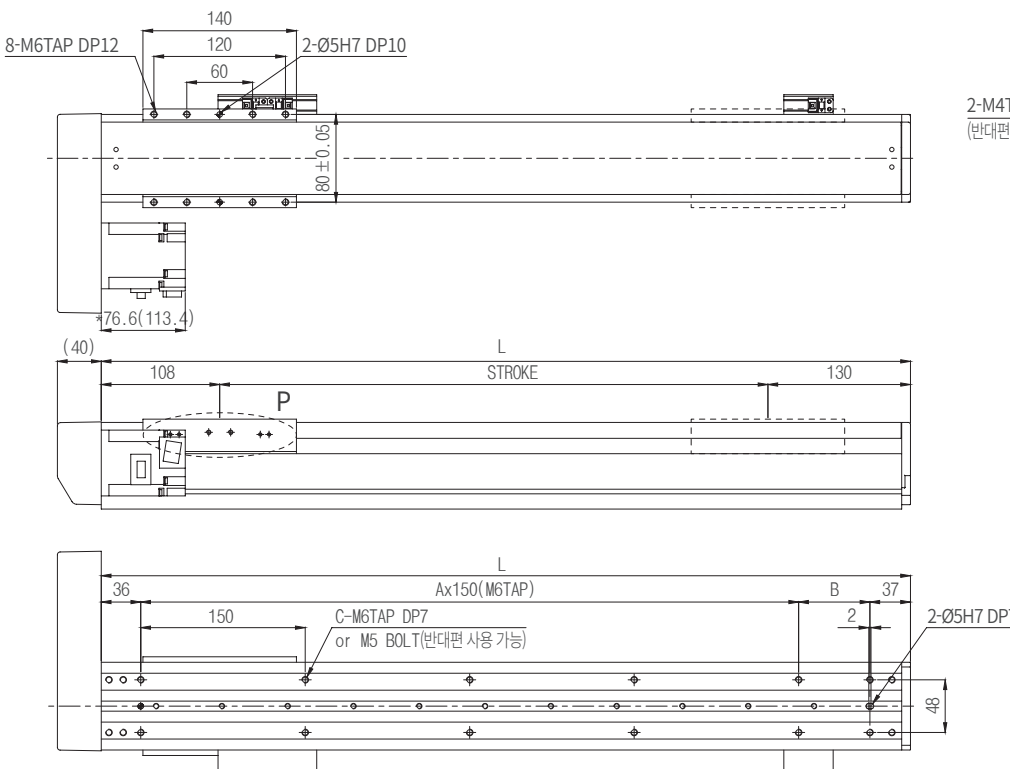
S: Straight type      A: Standard type      100W, 200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200				
LM Guide	No.20 (1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	755	630	160



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( )mm BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	288	338	388	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7
B	65	115	165	65	115	165	65	115	165	65	115	165	65	115	165	65	115	165	65	115
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.5	4.9	5.3	5.7	6	6.4	6.8	7.2	7.5	7.9	8.3	8.6	8.9	9.3	9.6	10	10.3	10.7	11.1	11.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	080	- L	A	- 200	N	05	- 0500	- C

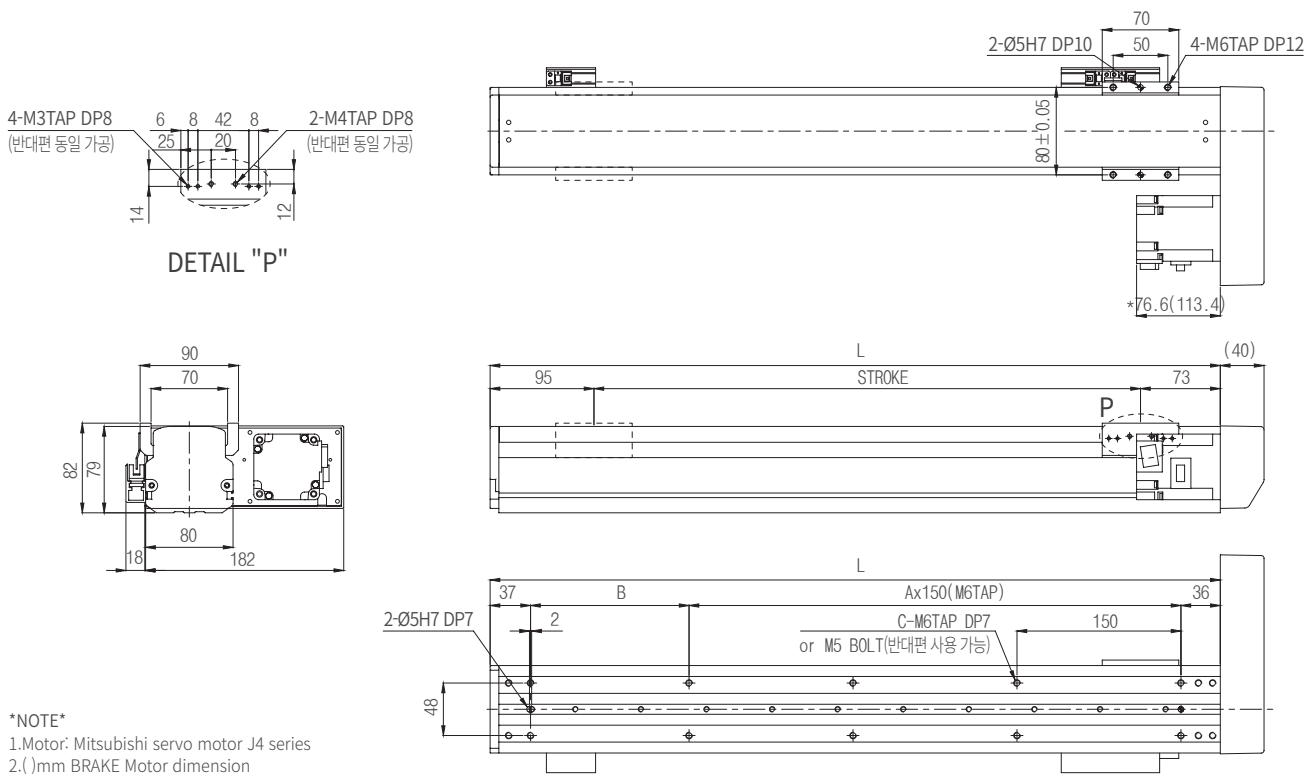
S: Straight type    A: Standard type    100W, 200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	218	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7
B	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	3.4	3.8	4.1	4.5	4.8	5.3	5.6	6	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.0	10.4



URS080-LB-200N05-0500-C-L  
Base width 80mm, Ball Screw type

**URS** | 080-LB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 080</b>	<b>- L</b>	<b>B</b>	<b>- 200</b>	<b>N</b>	<b>05 - 0500 - C</b>			

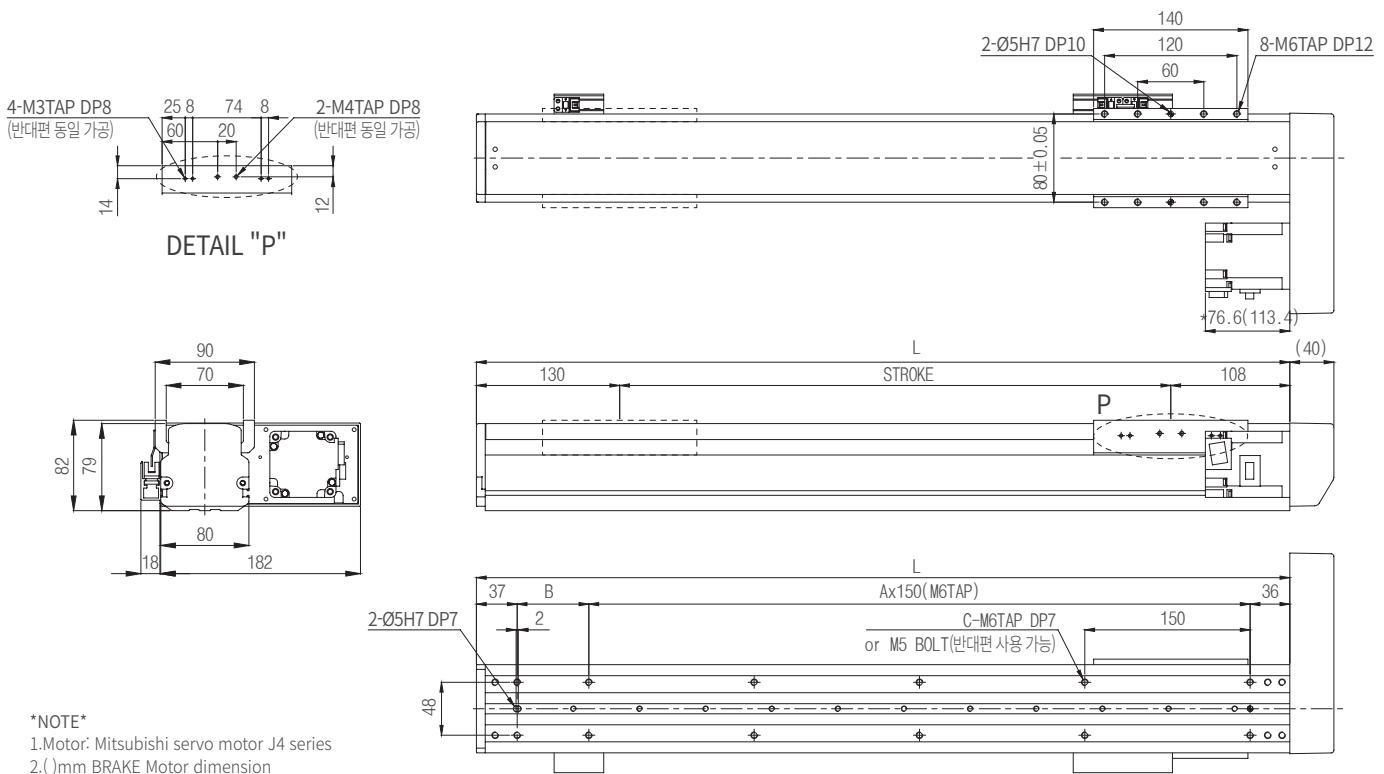
S: Straight type    A: Standard type    100W, 200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200				
LM Guide	No.20 (1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	755	630	160



• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	288	338	388	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7
B	65	115	165	65	115	165	65	115	165	65	115	165	65	115	165	65	115	165	65	115
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.5	4.9	5.3	5.7	6	6.4	6.8	7.2	7.5	7.9	8.3	8.6	8.9	9.3	9.6	10	10.3	10.7	11.1	11.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	080	- B	A	- 200	N	05	- 0500	- C

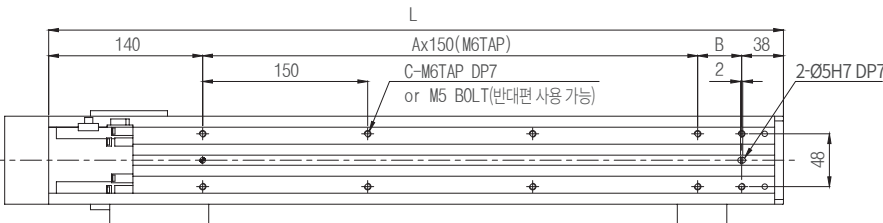
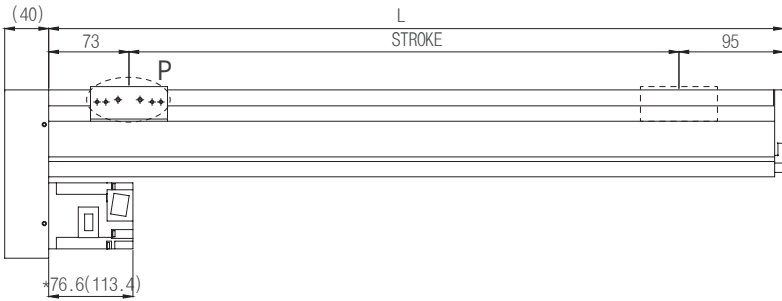
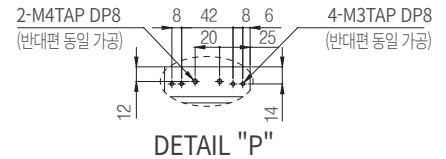
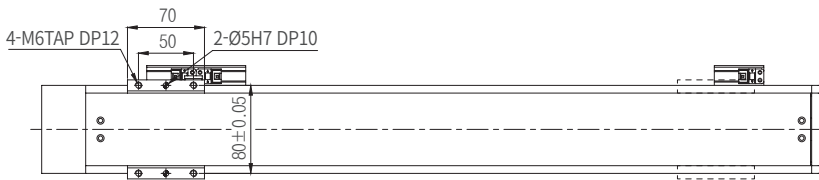
S: Straight type      A: Standard type      100W, 200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	133	111	160



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( )mm BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6
B	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16
Max speed (mm/s)	1505	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	120
	1510	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.5	4.8	5.3	5.6	6	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.0	10.4



URS080-BB-200N05-0500-C-L  
Base width 80mm, Ball Screw type

**URS** | 080-BB

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS 080	- B	B	- 200	N	05 - 0500	- C		

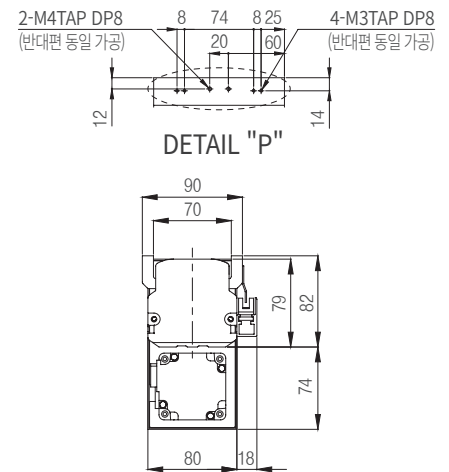
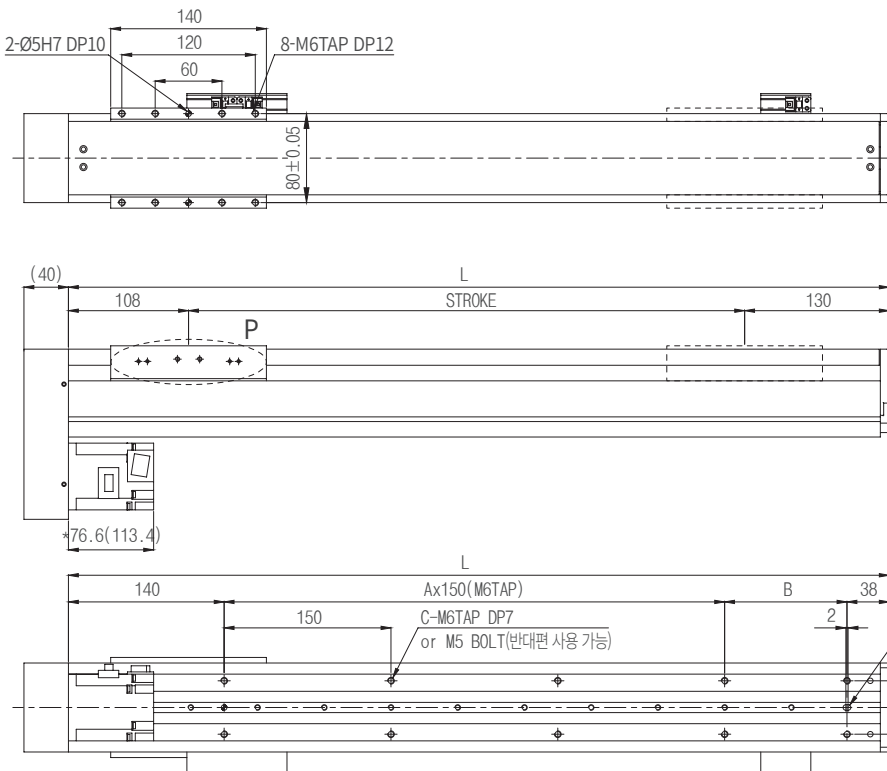
S: Straight type    A: Standard type    100W, 200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200				
LM Guide	No.20 (1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	755	630	160



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( )mm BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238
A	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6
B	110	160	60	110	160	60	110	160	60	110	160	60	110	160	60	110	160
C	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16
Max speed (mm/s)	1505	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	120
	1510	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	240
	1520	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	480
	1530	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	720
Weight (kg)	5.7	6	6.4	6.8	7.2	7.5	7.9	8.3	8.6	8.9	9.3	9.6	10	10.3	10.7	11.1	11.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	100	-	S	A	-	100	N	05 - 0500 - C

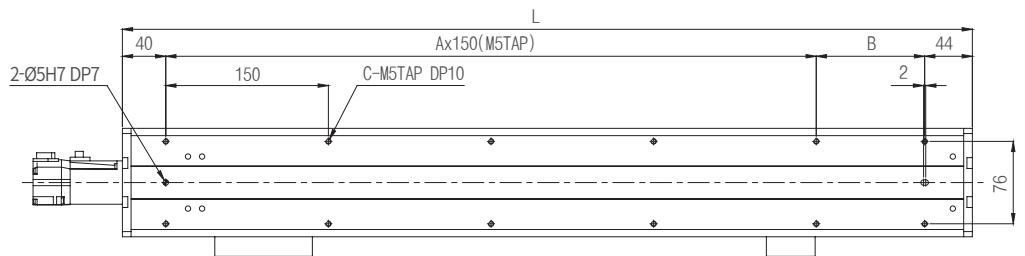
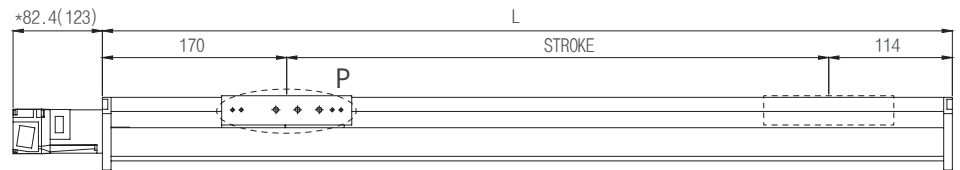
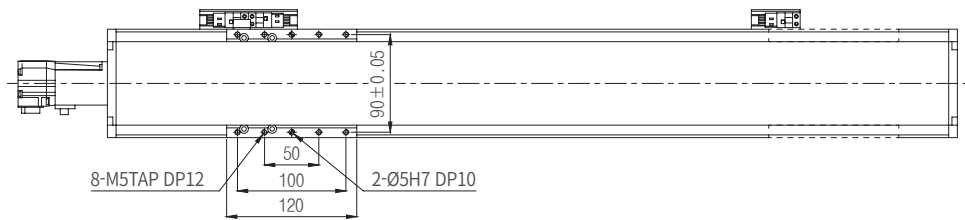
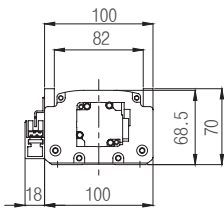
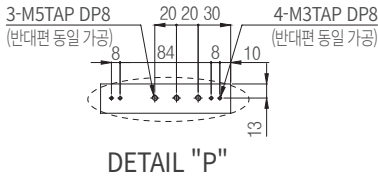
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	100				
LM Guide	No.15 (2Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	23	19	5	1
	Vertical	10	8	1	-

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	116	98	128



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	334	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284
A	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
B	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0
C	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4	4.4	4.8	5.2	5.6	6	6.4	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6





URS100-RA-100N05-0500-C  
Base width 100mm, Ball Screw type

**URS | 100-R**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 100 - R</b>			<b>A</b>	<b>100</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

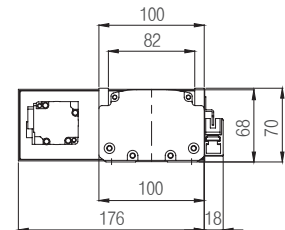
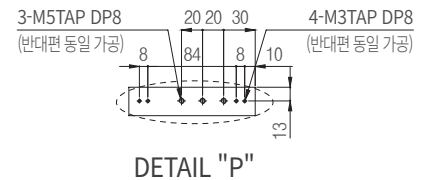
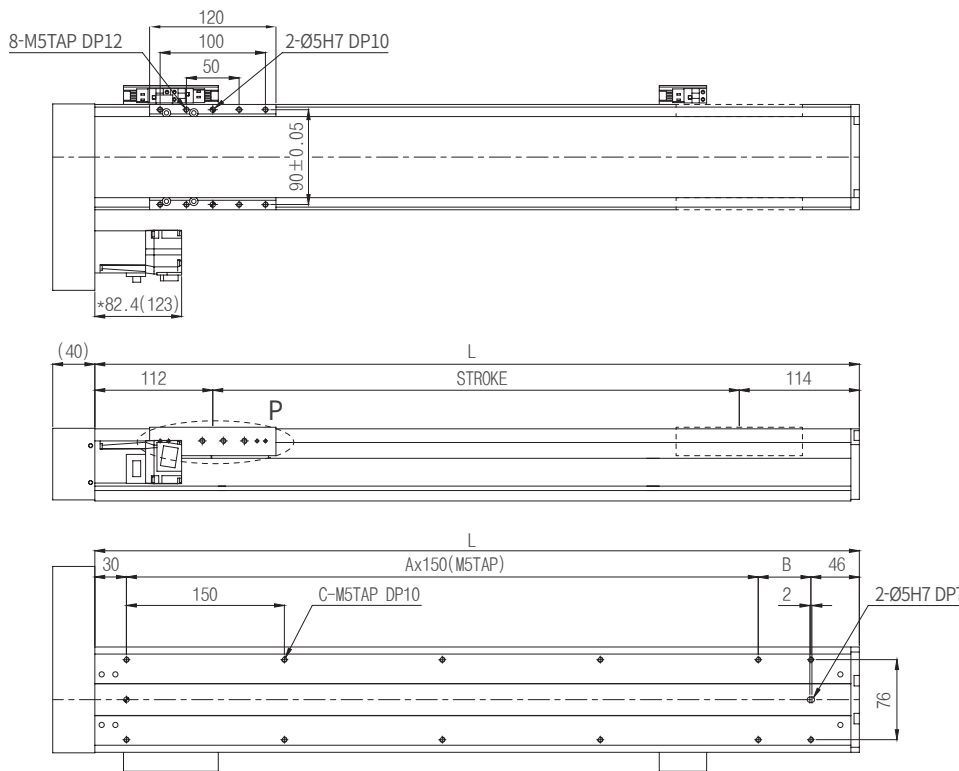
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	100				
LM Guide	No.15 (2Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	23	19	5	1
	Vertical	10	8	1	-

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	116	98	128



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	276	326	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126	1176	1226
A	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7
B	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1

# URS | 100-L

URS100-LA-100N05-0500-C  
Base width 100mm, Ball Screw type



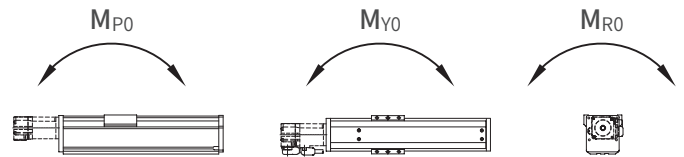
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option		
URS	100	-	L	A	-	100	05	0500	-	C

S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

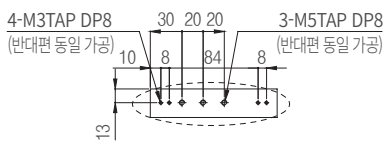
## • Specification

Input Motor (W)	100				
LM Guide	No.15 (2Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	23	19	5	1
	Vertical	10	8	1	-

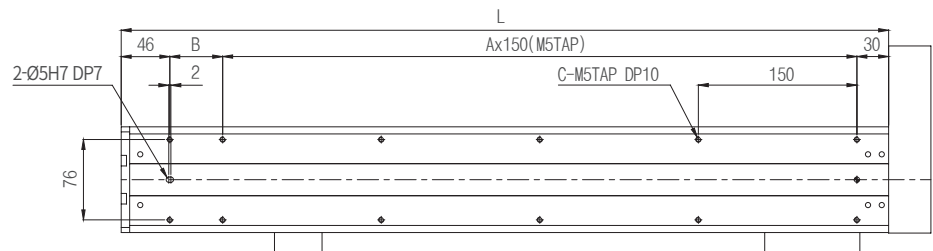
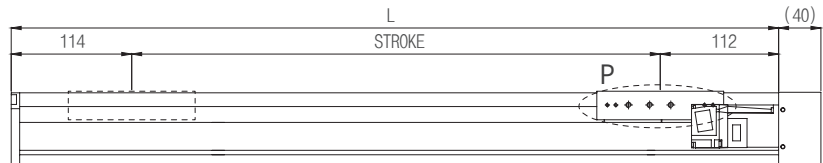
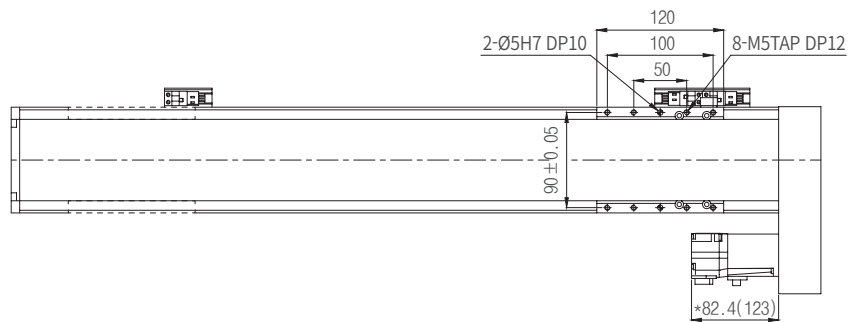
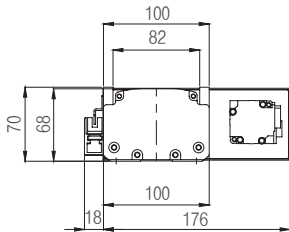
## • Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	116	98	128



DETAIL "P"



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
L	276	326	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126	1176	1226	
A	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	
B	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18	
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	
Weight (kg)	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	



URS100-BA-100N05-0500-C  
Base width 100mm, Ball Screw type

**URS | 100-B**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 100 - B</b>			<b>A</b>	<b>100</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

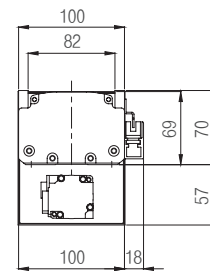
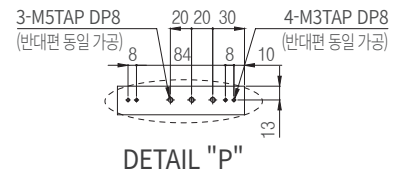
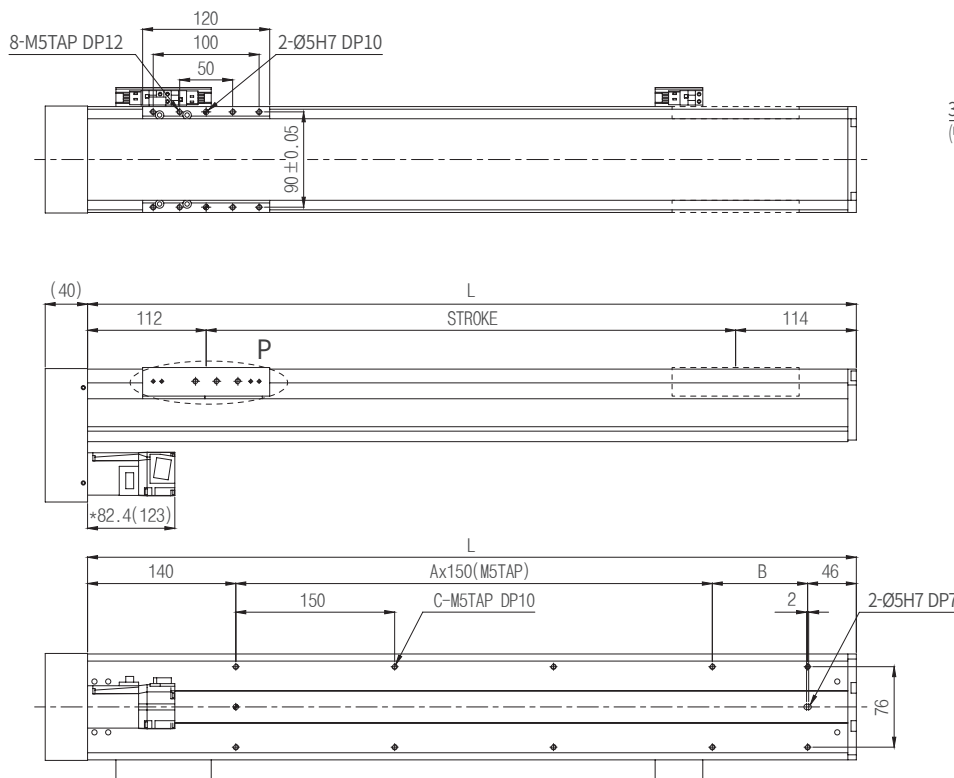
S: Straight type      A: Standard type      100W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	100				
LM Guide	No.15 (2Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	23	19	5	1
	Vertical	10	8	1	-

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	116	98	128



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126	1176	1226
A	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6
B	90	140	190	90	140	190	90	140	190	90	140	190	90	140	190	90	140
C	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16
Max speed (mm/s)	1505	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	120
	1510	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	240
	1520	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	480
	1530	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	720
Weight (kg)	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	120	-	S	A	-	200	N	05 - 0500 - C

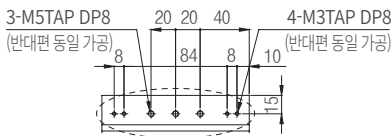
S: Straight type      A: Standard type      200W,400W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

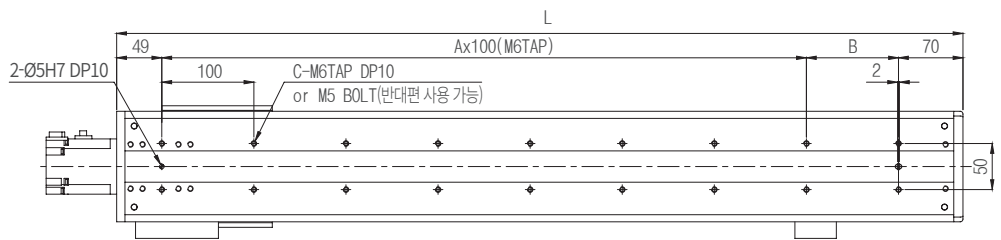
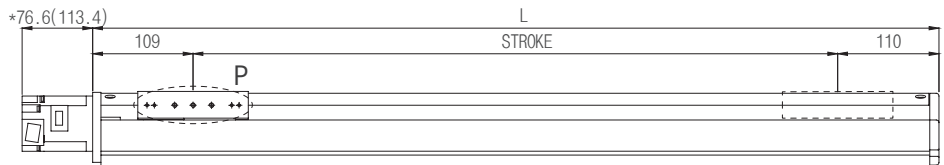
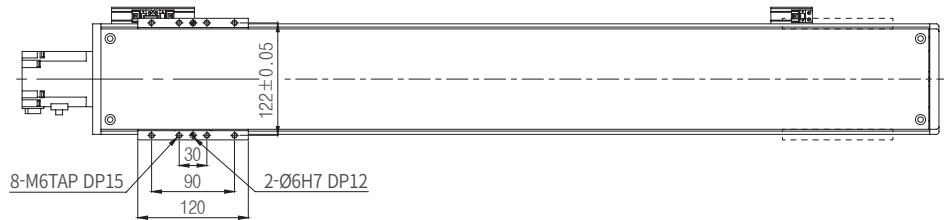
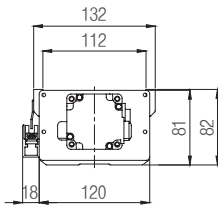
Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



DETAIL "P"



\*NOTE\*

1. Motor: Mitsubishi servo motor J4 series
2. ( ) BRAKE Motor dimension
3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	269	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	5	5.6	6.1	6.7	7.2	7.8	8.3	8.9	9.4	9.9	10.5	11.1	11.6	12.1	12.6	13.2	13.7	14.3	14.8	15.4	15.9	16.5	17	17.5	18	18.6



URS120-RA-200N05-0500-C  
Base width 120mm, Ball Screw type

**URS | 120-R**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 120 - R</b>			<b>A</b>	<b>200</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

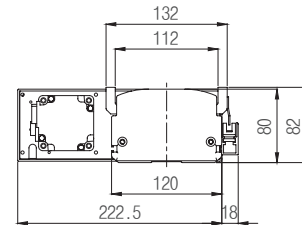
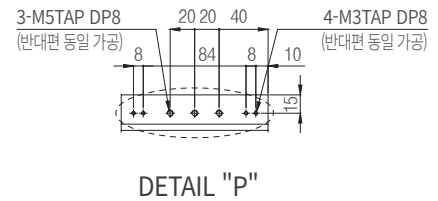
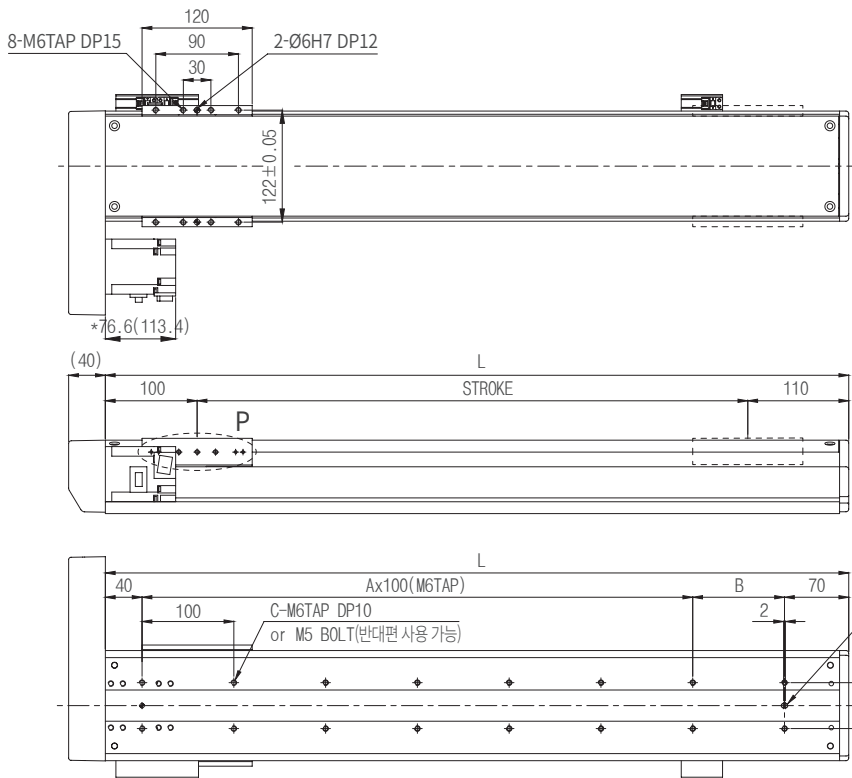
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



\*NOTE\*  
 1. Motor:Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	5.3	5.9	6.4	7	7.5	8.1	8.6	9.2	9.7	10.2	10.8	11.4	11.9	12.4	12.9	13.5	14	14.6	15.1	15.7	16.2	16.8	17.3	17.8	18.3	18.9

# URS | 120-L

URS120-LA-200N05-0500-C  
Base width 120mm, Ball Screw type



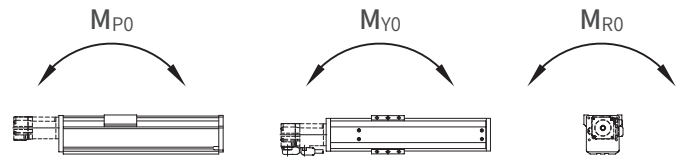
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	120	-	L	A	-	200	N	05 - 0500 - C

S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

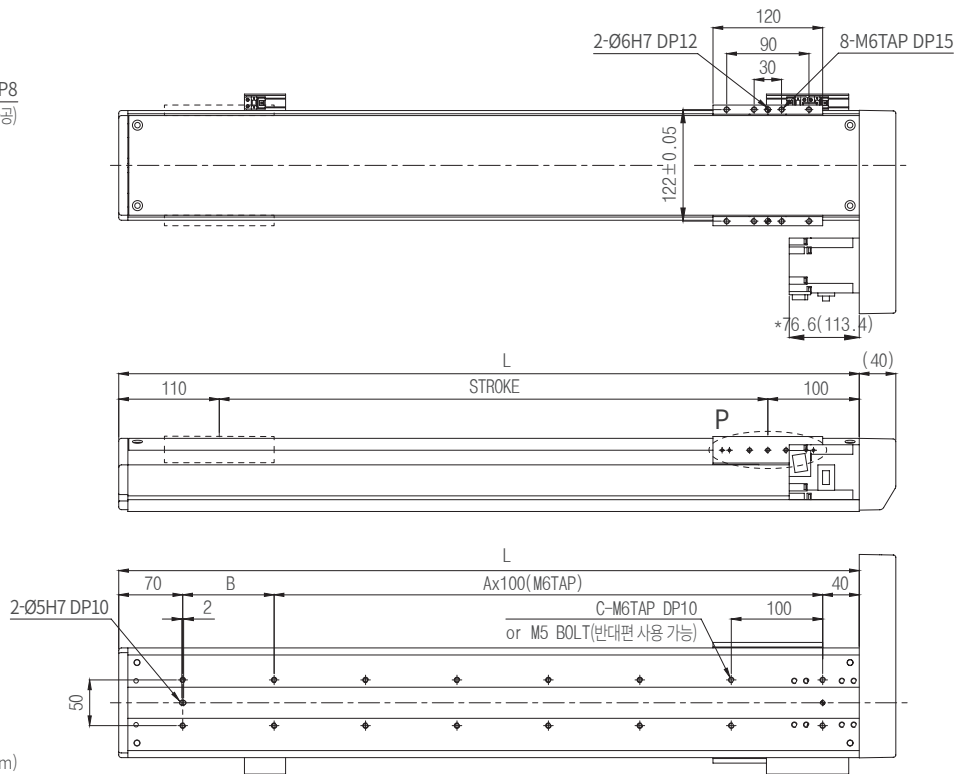
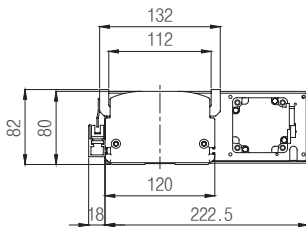
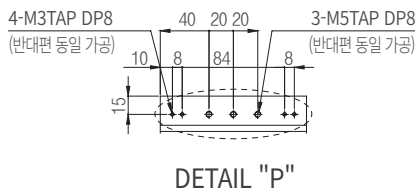
## • Specification

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

## • Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	5.3	5.9	6.4	7	7.5	8.1	8.6	9.2	9.7	10.2	10.8	11.4	11.9	12.4	12.9	13.5	14	14.6	15.1	15.7	16.2	16.8	17.3	17.8	18.3	18.9



URS120-BA-200N05-0500-C  
Base width 120mm, Ball Screw type

**URS | 120-B**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 120 - B</b>			<b>A</b>	<b>200</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

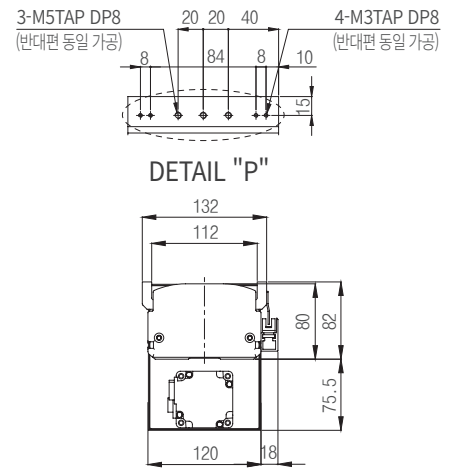
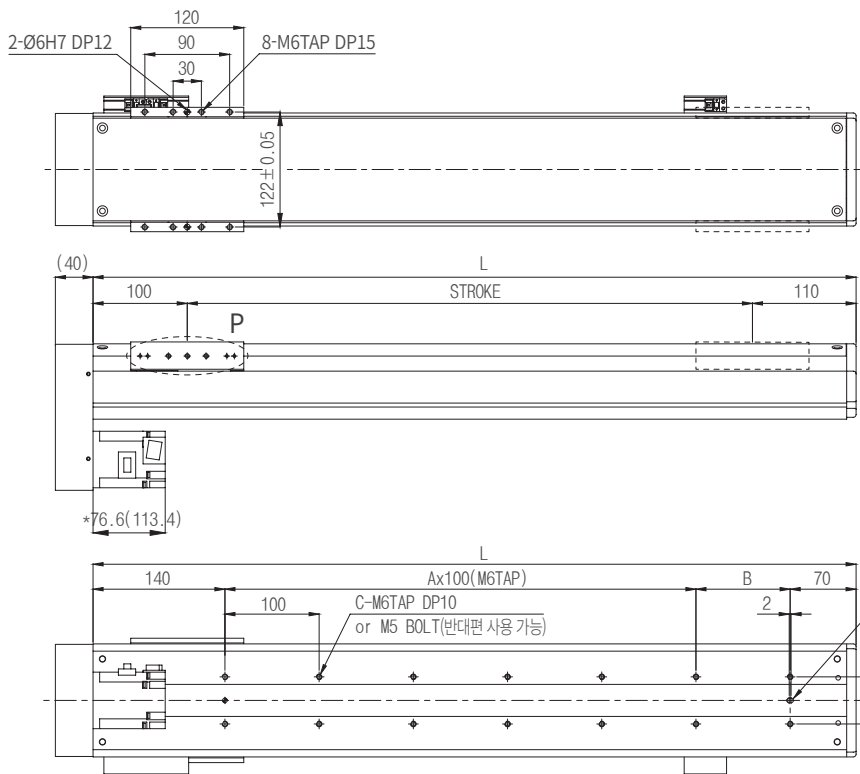
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



\*NOTE\*  
 1. Motor:Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
Max speed (mm/s)	1505	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	1320	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450
Weight (kg)	7	7.5	8.1	8.6	9.2	9.7	10.2	10.8	11.4	11.9	12.4	12.9	13.5	14	14.6	15.1	15.7	16.2	16.8	17.3	17.8	18.3	18.9



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	140	-	S	A	-	400	N	05 - 0500 - C

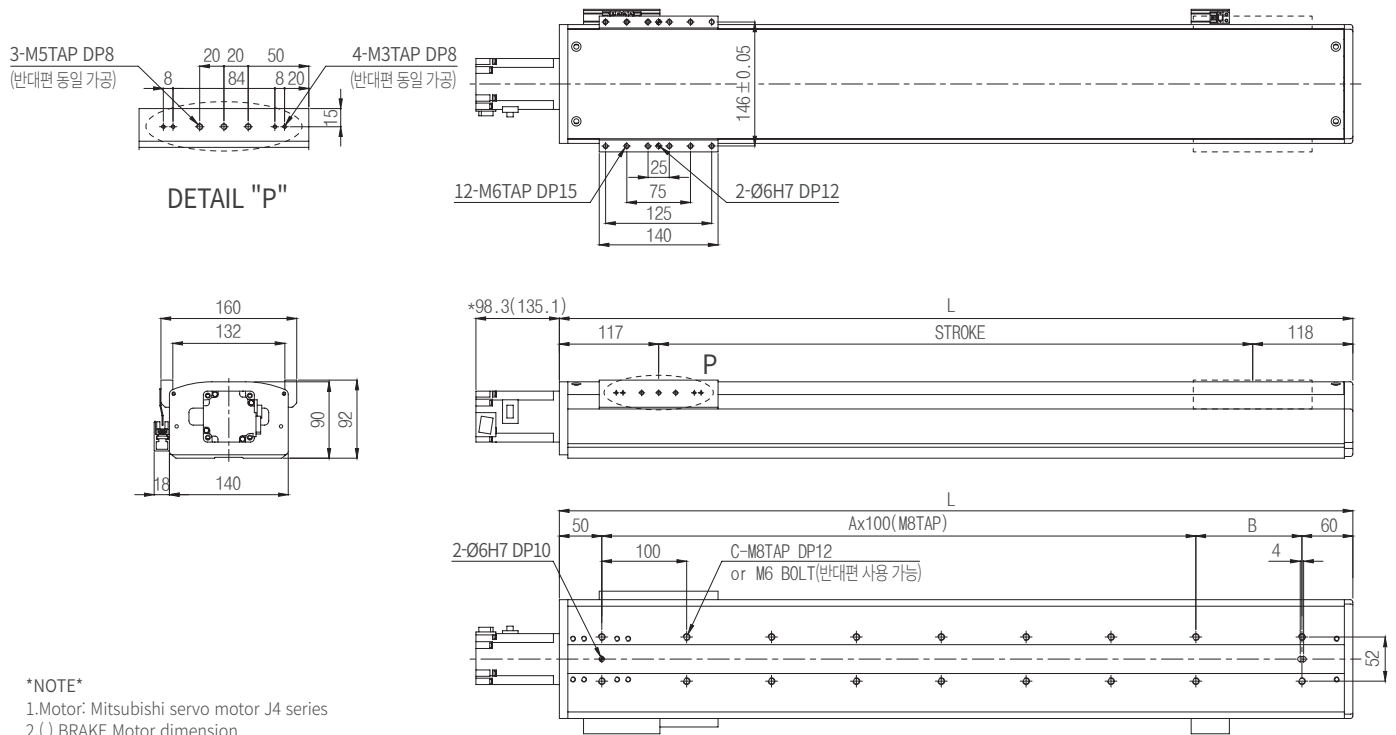
S: Straight type      A: Standard type      400W,750W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	6.8	7.7	8.5	9.4	10	11	11.8	12.6	13.4	14.3	15.1	15.9	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.4	23	24	24.8	25.7	26.5	27.3





URS140-RA-400N05-0500-C  
Base width 140mm, Ball Screw type

**URS | 140-R**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 140 - R</b>			<b>A</b>	<b>400</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

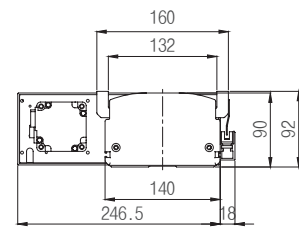
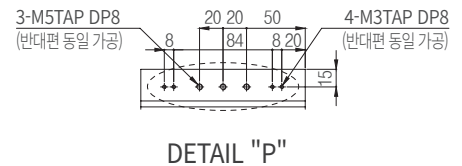
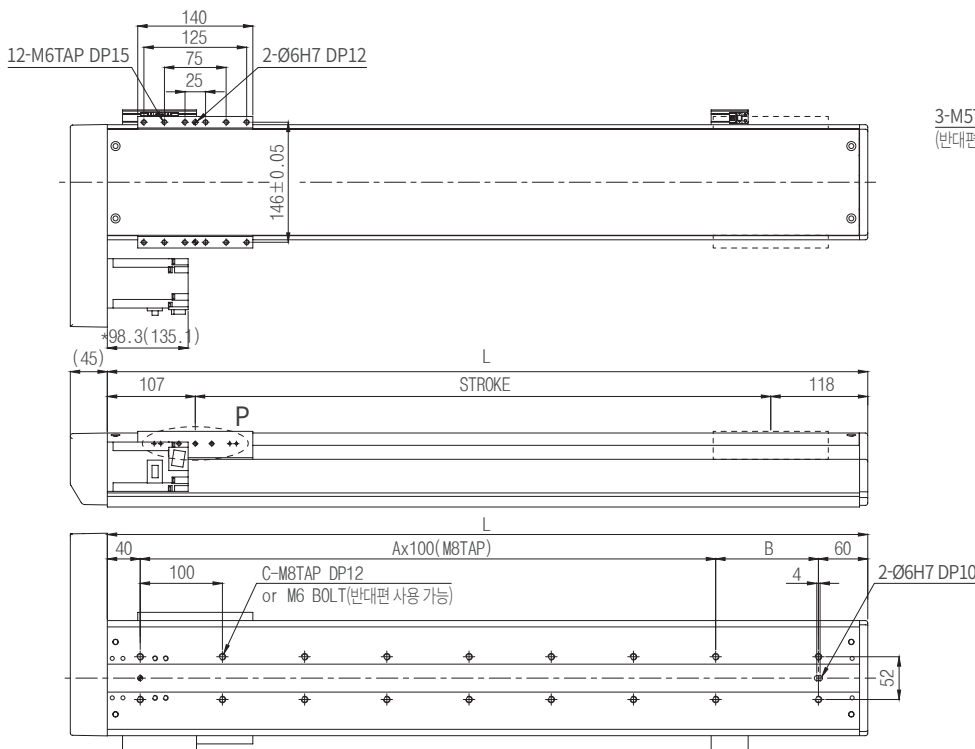
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.(.) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	7.1	8	8.8	9.7	10.5	11.3	12.1	12.9	13.7	14.6	15.4	16.2	17	17.9	18.6	19.5	20.3	21.1	21.9	22.8	23.6	24.4	25.2	26.1	26.9	27.7



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	140	-	L	A	-	400	N	05 - 0500 - C

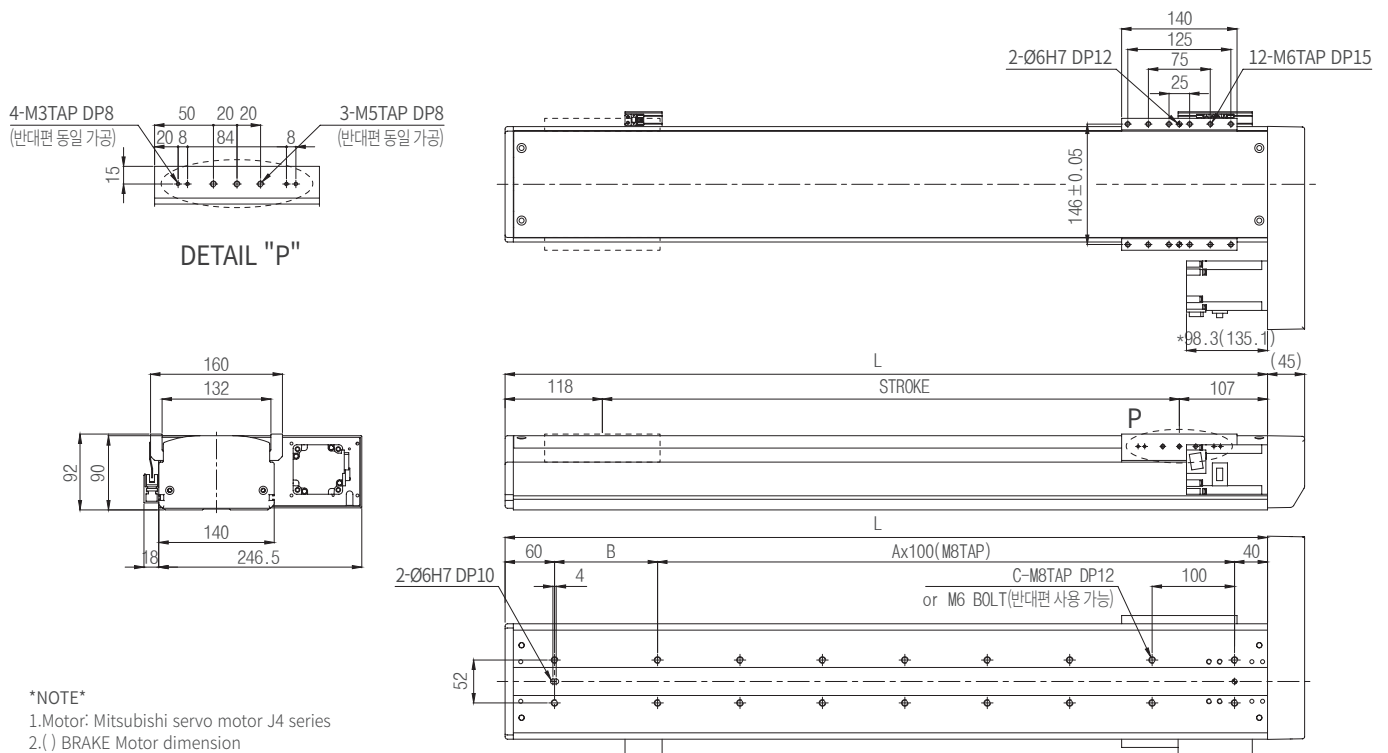
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	7.1	8	8.8	9.7	10.5	11.3	12.1	12.9	13.7	14.6	15.4	16.2	17	17.9	18.6	19.5	20.3	21.1	21.9	22.8	23.6	24.4	25.2	26.1	26.9	27.7



URS140-BA-400N05-0500-C  
Base width 140mm, Ball Screw type

**URS | 140-B**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 140 - B</b>			<b>A</b>	<b>400</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

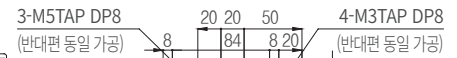
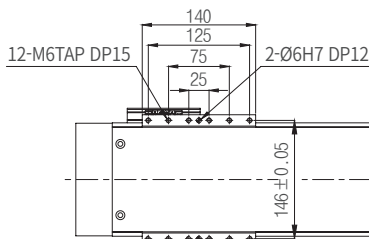
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

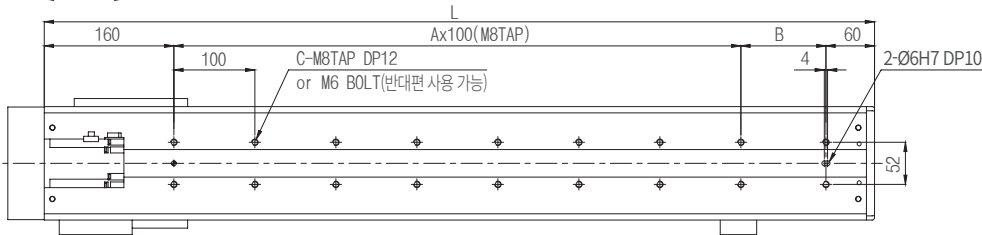
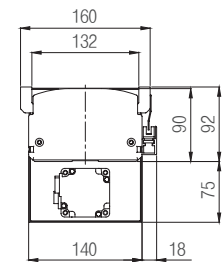
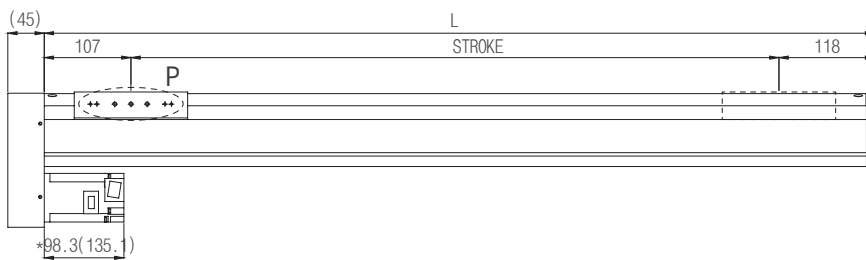
Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



DETAIL "P"



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.(.) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
B	105	55	105	55	105	55	105	55	105	55	105	55	105	55	105	55	105	55	105	55	105	55	105
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
Max speed (mm/s)	1505	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450
Weight (kg)	9.7	10.5	11.3	12.1	12.9	13.7	14.6	15.4	16.2	17	17.9	18.6	19.5	20.3	21.1	21.9	22.8	23.6	24.4	25.2	26.1	26.9	27.7



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	180	- S	A	- 750	N	05	- 0500	- C

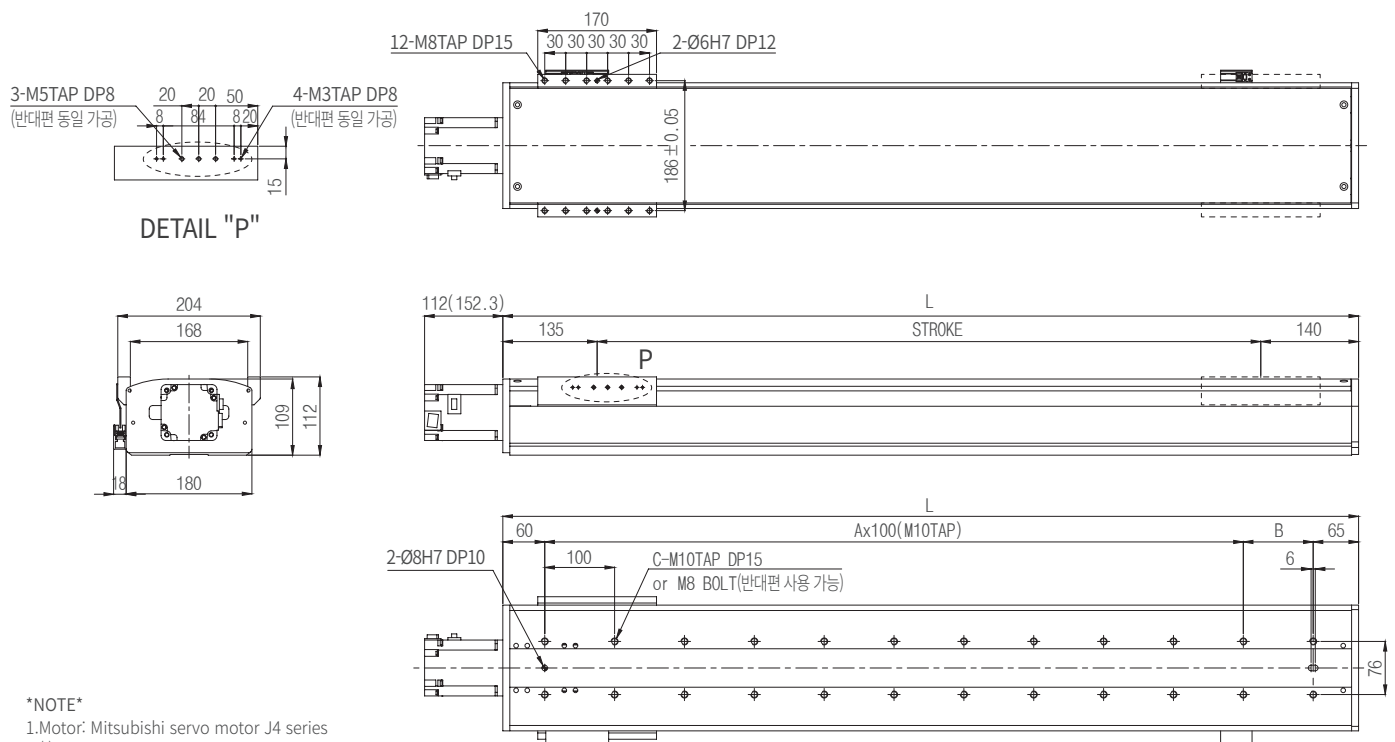
S: Straight type      A: Standard type      750W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



## • Stroke, Dimension & Velocity

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1575	1625	1675	1725	1775
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	17.4	18.6	19.8	21	22.2	23.5	24.7	25.9	27.2	28.5	29.7	30.9	32.1	33.4	34.6	35.9	37.1	38.3	39.5	40.8	42	43.3	44.5	45.7	46.9	48.1



URS180-RA-750N05-0500-C  
Base width 180mm, Ball Screw type

**URS | 180-R**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 180 - R</b>			<b>A</b>	<b>750</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

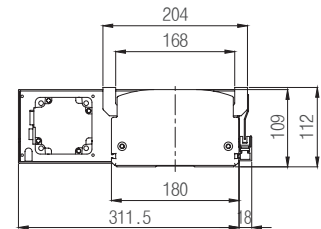
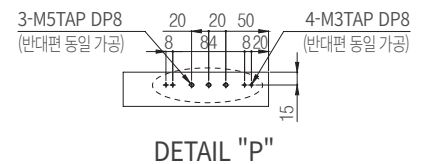
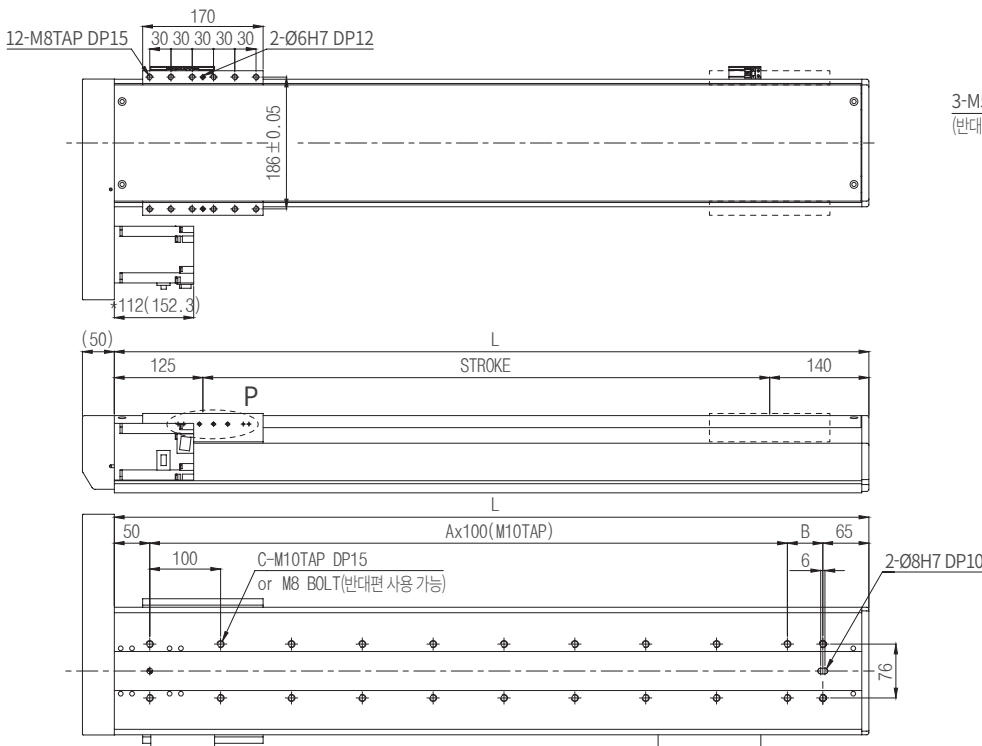
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 7 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

**• Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

**• Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

**• Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	18.4	19.6	20.8	22	23.2	24.5	25.7	27	28.2	29.4	30.7	31.9	33.1	34.4	35.6	36.9	38.1	39.3	40.5	41.8	43	44.3	45.5	46.7	47.9	49.1

# URS | 180-L

URS180-LA-750N05-0500-C  
Base width 180mm, Ball Screw type



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URS	180	-	L	A	-	750	N	05 - 0500 - C

S: Straight type  
L: Left parallel type  
R: Right parallel type  
B: Behind type  
G: Guide axis

A: Standard type  
B: Customized type

750W

N: No-Brake type  
B: Brake type

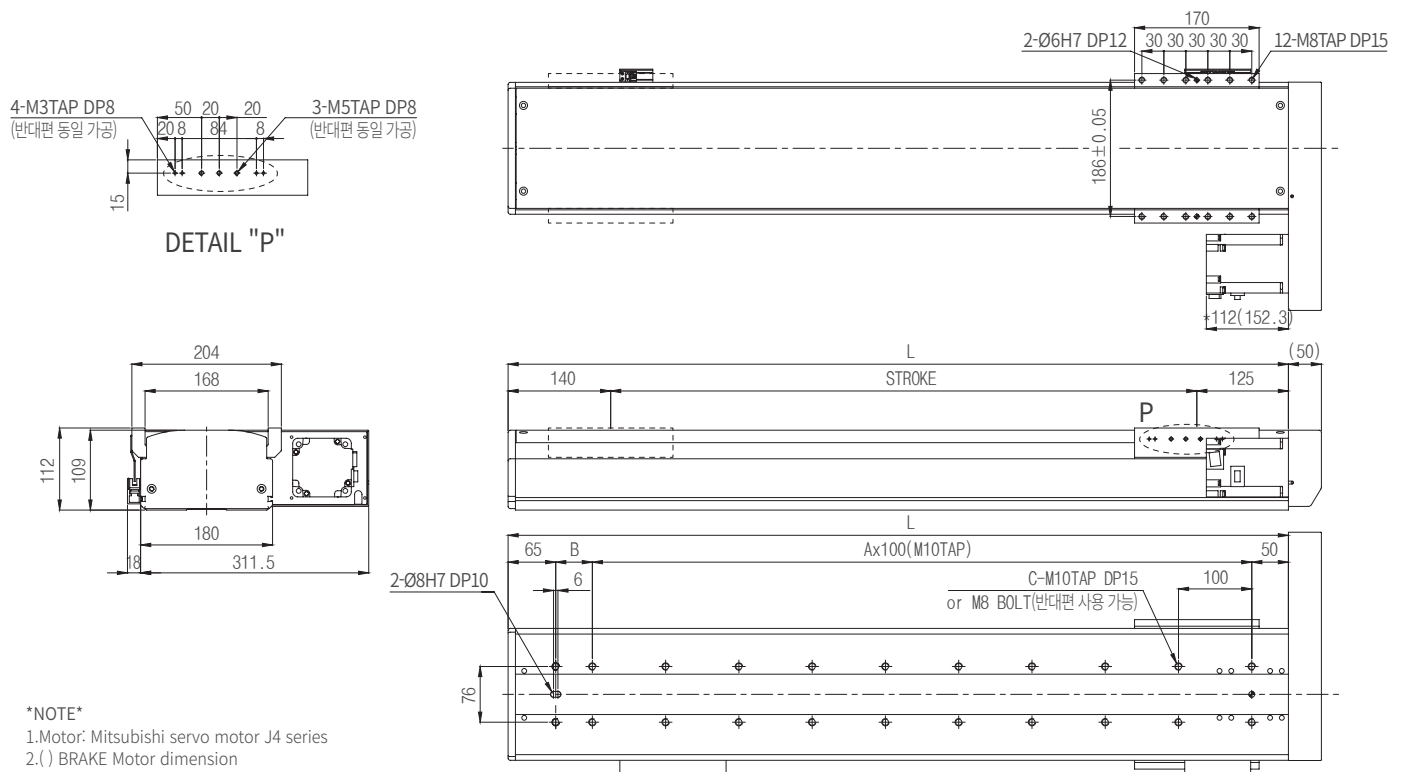
C: OutSide 3 Sensors (Customized)  
Option (Page 7 참조)

## Specification

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

## Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	2205	1845	658



## Stroke, Dimension & Velocity

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	
L	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765	
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40	
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80	
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160	
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320	
Weight (kg)	18.4	19.6	20.8	22	23.2	24.5	25.7	27	28.2	29.4	30.7	31.9	33.1	34.4	35.6	36.9	38.1	39.3	40.5	41.8	43	44.3	45.5	46.7	47.9	49.1	



URS180-BA-750N05-0500-C  
Base width 180mm, Ball Screw type

**URS | 180-B**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URS 180 - B</b>			<b>A</b>	<b>750</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

S: Straight type  
L: Left parallel type  
R: Right parallel type  
B: Behind type  
G: Guide axis

A: Standard type  
B: Customized type

750W

N: No-Brake type  
B: Brake type

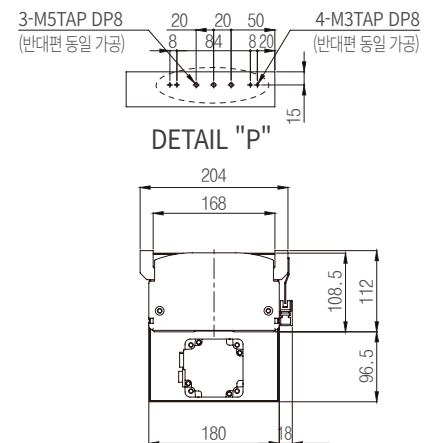
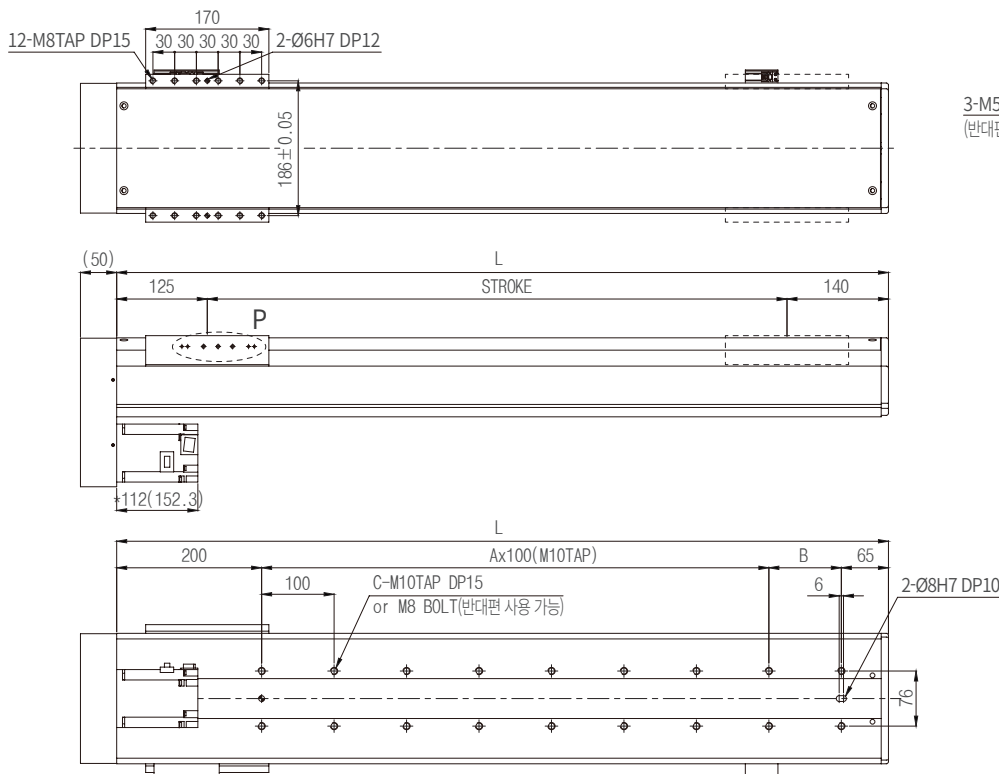
C: OutSide 3 Sensors (Customized)  
Option (Page 7 참조)

• **Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

• **Allowable Overhung Load**

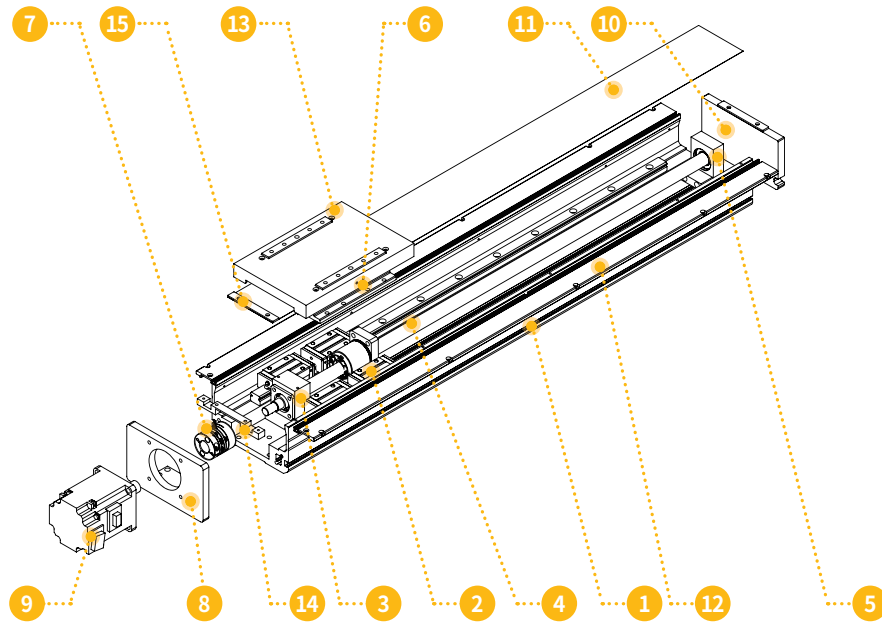
Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



\*NOTE\*  
1. Motor: Mitsubishi servo motor J4 series  
2. (.) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765
A	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	18.4	19.6	20.8	22	23.2	24.5	25.7	27	28.2	29.4	30.7	31.9	33.1	34.4	35.6	36.9	38.1	39.3	40.5	41.8	43	44.3	45.5	46.7	47.9	49.1



- |                        |                         |              |                      |
|------------------------|-------------------------|--------------|----------------------|
| ① Base                 | ⑤ Bearing Housing(Free) | ⑨ Motor      | ⑬ Slider Cover       |
| ② LM Guide             | ⑥ Slider                | ⑩ End Cover  | ⑭ Steel Band Bracket |
| ③ Bearing Housing(Fix) | ⑦ Coupling              | ⑪ Steel Band | ⑮ Steel Band Cover   |
| ④ Ball Screw           | ⑧ Motor Bracket         | ⑫ Side Cover |                      |

## • Features

- > 최적화된 공간 활용 설계 구현
- > Clean Ball Screw Robot 설계 표준화를 통해 설계 편의성 제공
- > 소음저하 및 진동성능 향상된 구조 설계
- > Clean Room에 적합한 밀폐형 구조를 제공
- > 병렬 반투명 Belt Cover 적용
- > 소형(URC045, 065, 090B: Wide LM 적용)  
Clean Ball Screw Type 기본 강성 향상 구조 적용(Block Flange Type 적용)

## • Notes

- > 평탄도
  - 로봇 하단 기준면에서 슬라이더 상면까지의 평탄도는  $\pm 0.05\text{mm}/1000\text{mm}$  이하입니다.
- > 반복정밀도 & 위치정밀도
  - 위치정밀도는 목표 위치와 실제 도달한 위치간의 차이(에러)를 뜻합니다.
  - 반복정밀도는 동일한 task를 반복적으로 수행할때 발생하는 차이를 말합니다.
- > 속도
  - 주요 구성품인 Ball Screw의 위험회전속도로 인해, Stroke이 길어질수록 최대속도는 감소합니다.



# Model name

Model	Base width	Type1	Type2	Motor		Lead	Stroke	Option
				power	type			
URC	120	- S	A	- 200	N	05	- 0500	- C

## > Model

URC: General Ball Screw

## > Base width

045 / 065 / 090A / 090B / 120 / 140 / 180  
(ex. 065=65mm, 180=180mm)

## > Type 1

Motor mounting methods  
S: Straight Type  
L: Left parallel Type  
R: Right parallel Type  
B: Behind Type  
G: Guide axis

## > Type 2

Model Type (A: Standard, B: Customized)

## > Motor power

Motor power in watts (ex. 200=200W Motor)  
100 / 200 / 400 / 750

## > Motor type

N: No-Brake type B: Brake type

## > Lead

Ball screw lead in mm (ex. 10=10mm lead)  
05 / 10 / 20 / 25 / 30 / 40

## > Stroke

Range of motion in mm (0500=500mm)

## > Option

C: Out Side 3 Sensors (Customized)  
2: 2개 이상의 Slider일 경우 표기 (ex. 2,3,4~)  
B: Black Anodizing  
E: 그리스 외부주유  
F: LM, B/S Raydent  
L: 2-LM Block

Series **1**

Model width **3**

Specifications **4**

External dimensions **6**

**URC | 120-S**

URC120-SA-200N05-0500-C  
 Base width 120mm, Clean Ball Screw type

**2 Description**

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	120	- S	A	- 200	N	05	- 0500	- C

S: Straight type L: Left parallel type R: Right parallel type B: Behind type G: Guide axis

A: Standard type B: Customized type

200W,400W

N: No-Brake type B: Brake type

C: OutSide 3 Sensors (Customized)Option (Page 41 참조)

**\* Specification**

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

**\* Allowable Overhung Load**

Static Admissible State (N-m)	Meo	Myo	Mro
	705	593	195

**6 External dimensions**

**\* Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14
B	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32
Max speed (mm/s)	1505	150	180	200	220	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65	
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390	
Weight (kg)	2.9	5.8	6.3	6.9	7.4	7.9	8.4	9	9.5	10	10.5	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.3	17.8	18.3

**5 Allowable overhung load**

**7 Stroke, Dimension & Velocity**



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 045	-	S	A	-	100	N	05 - 0300	- C

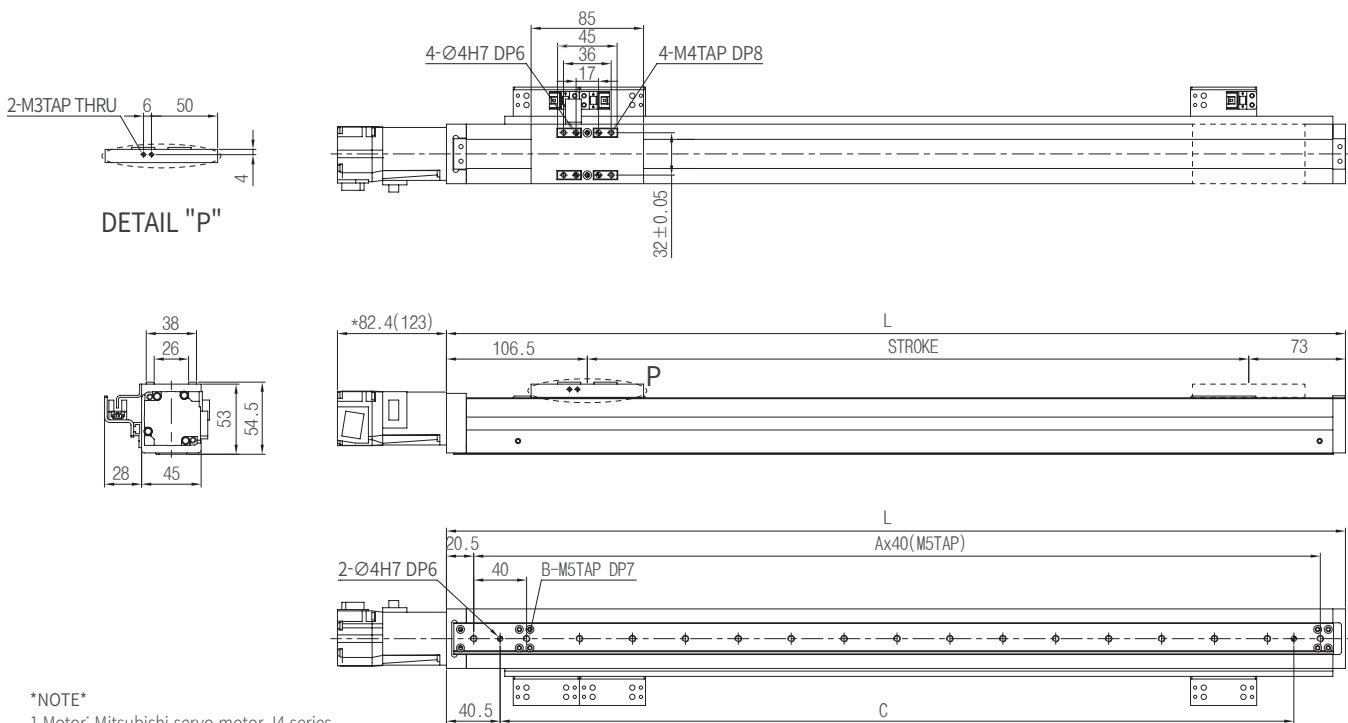
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	100	
LM Guide	Wide No.12 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10

## • Allowable Overhung Load

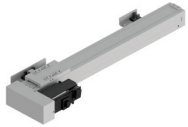
Static Admissible State (N-m)	Mp0	My0	Mr0
	29	29	70



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500
L	229.5	279.5	329.5	379.5	429.5	479.5	529.5	579.5	629.5	679.5
A	4	6	7	8	9	11	12	13	14	16
B	5	7	8	9	10	12	13	14	15	17
C	160	200	240	280	320	400	440	480	520	560
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	0.6	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2	2.3



URC045-RA-100N05-0300-C  
Base width 45mm, Clean Ball Screw type

**URC** | 045-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 045</b>	<b>- R</b>	<b>A</b>	<b>- 100</b>	<b>N</b>	<b>05 - 0300 - C</b>			

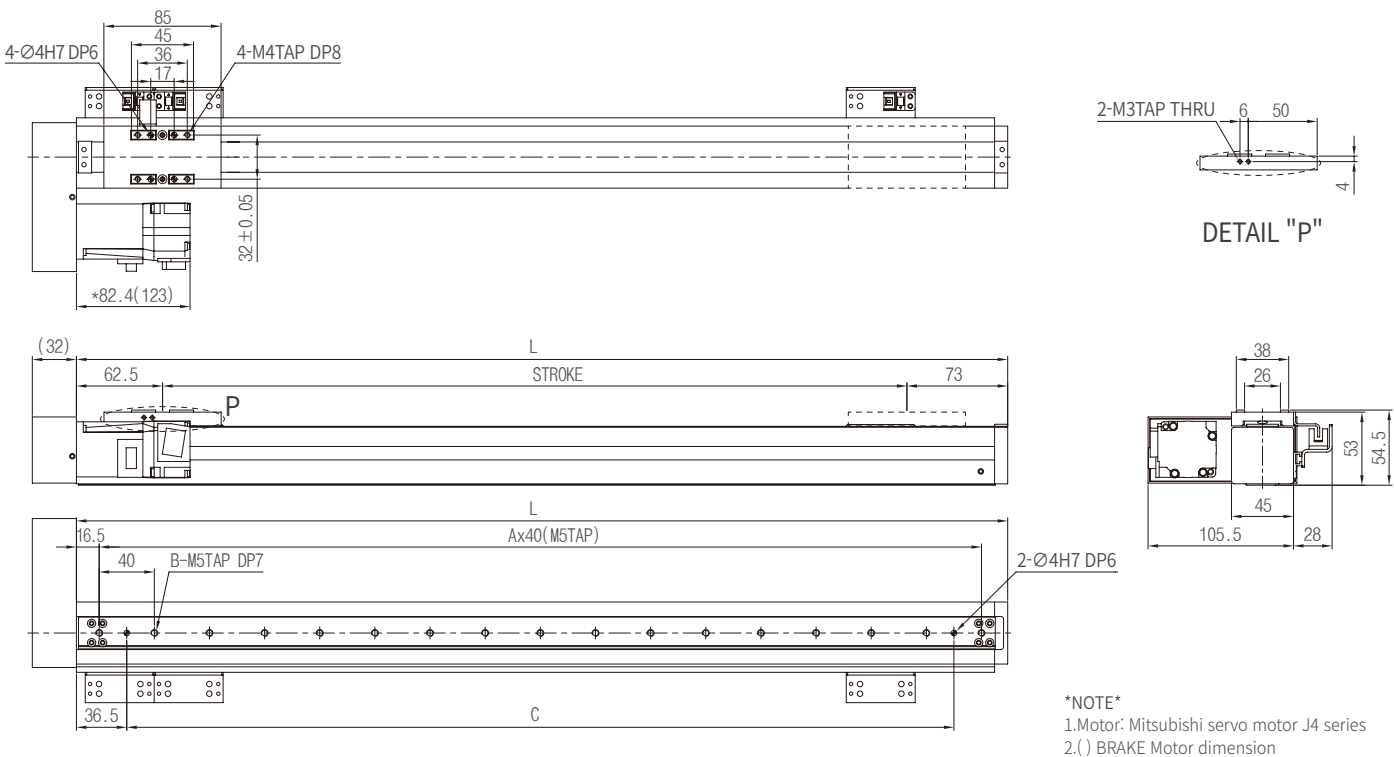
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

Input Motor (W)	100	
LM Guide	Wide No.12 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10
		6

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	29	29	70



• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500
L	185.5	235.5	285.5	335.5	385.5	435.5	485.5	535.5	585.5	635.5
A	3	5	6	7	8	10	11	12	13	15
B	4	6	7	8	9	11	12	13	14	16
C	120	160	200	240	280	360	400	440	480	520
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	0.7	1.4	1.5	1.7	1.8	2	2.1	2.3	2.4	2.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 045	-	L	A	-	100	N	05 - 0300	- C

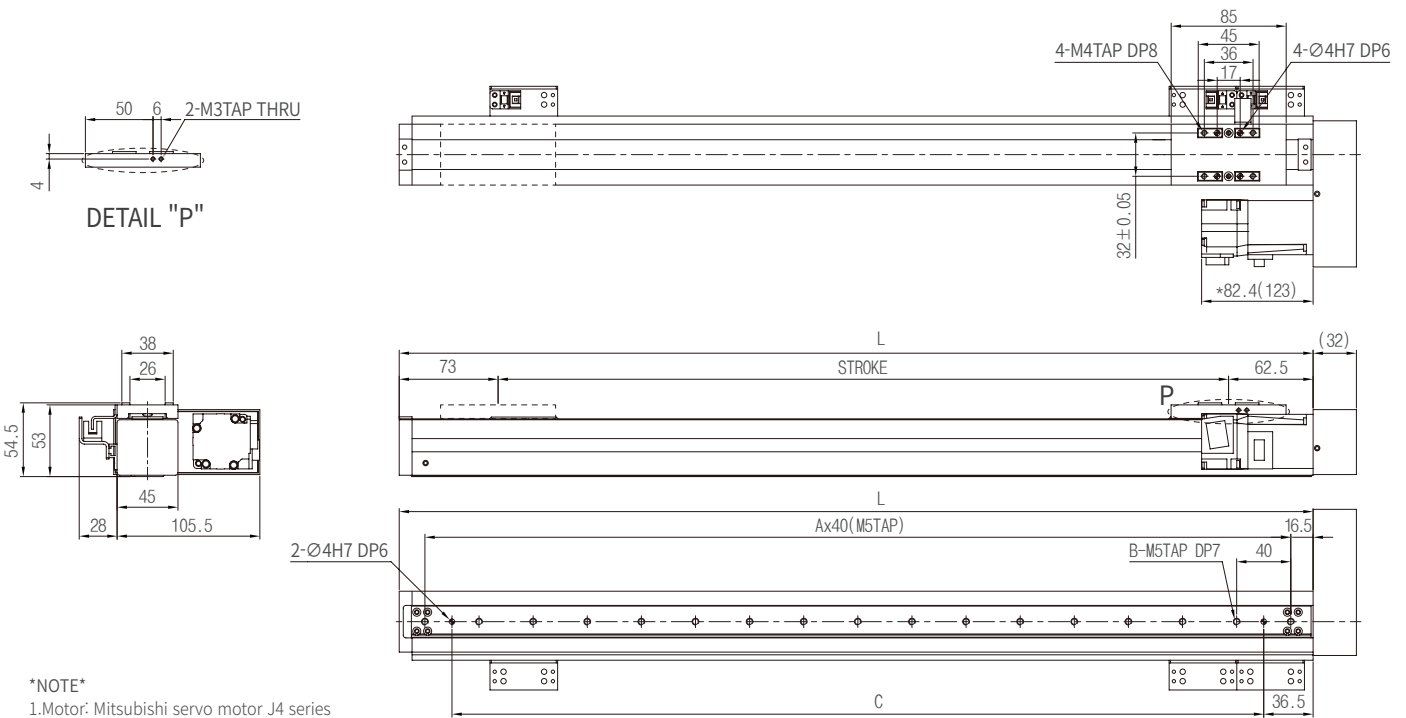
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	100	
LM Guide	Wide No.12 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10
		16
		6

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	29	29	70



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500
L	185.5	235.5	285.5	335.5	385.5	435.5	485.5	535.5	585.5	635.5
A	4	5	6	7	8	10	11	12	13	15
B	5	6	7	8	9	11	12	13	14	16
C	120	160	200	240	280	360	400	440	480	520
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	0.7	1.4	1.5	1.7	1.8	2	2.1	2.3	2.4	2.5



URC065-SA-100N05-0300-C  
Base width 65mm, Clean Ball Screw type

**URC** | 065-S

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 065	-	S	A	-	100	N	05 - 0300	- C

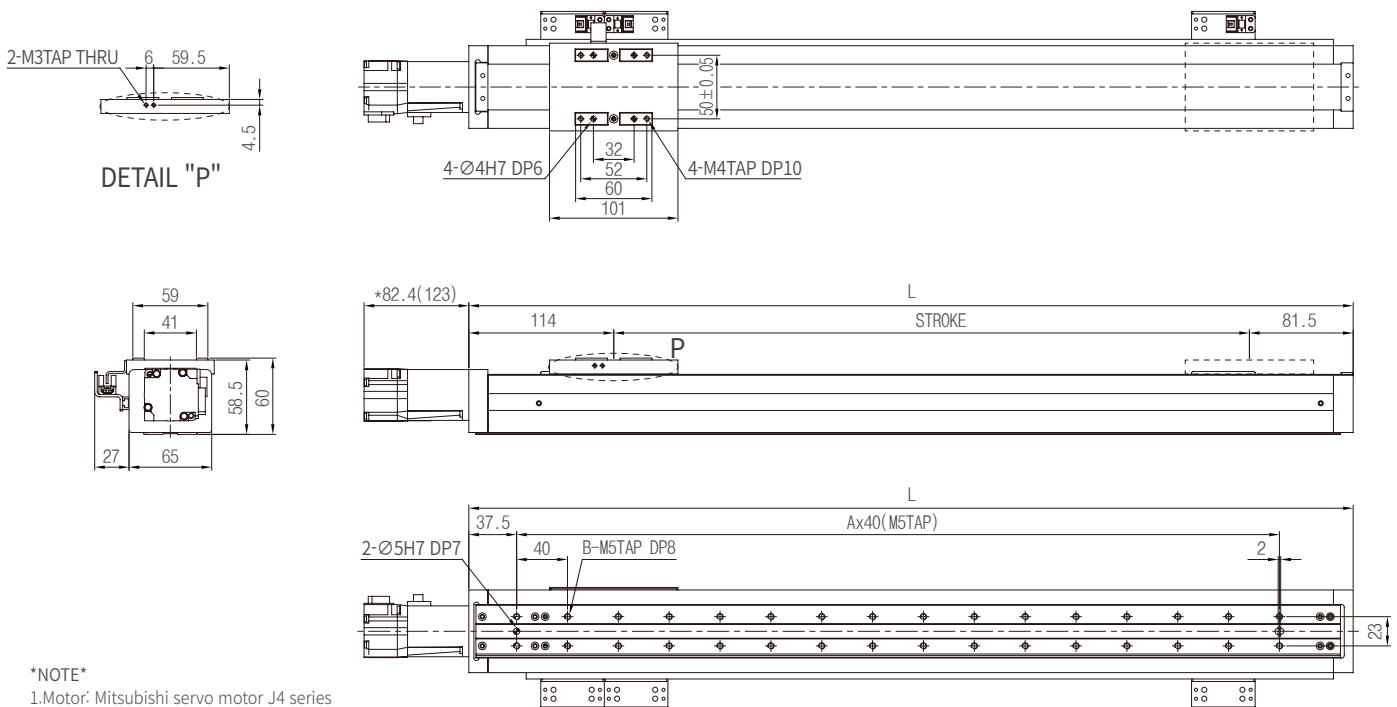
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

Input Motor (W)	100	
LM Guide	Wide No.15 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10
		16
		6

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	59	59	207



• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500
L	245.5	295.5	345.5	395.5	445.5	495.5	545.5	595.5	645.5	695.5
A	4	5	7	8	9	10	12	13	14	15
B	10	12	16	18	20	22	26	28	30	32
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	1.1	2.2	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 065	-	R	A	-	100	N	05 - 0300	- C

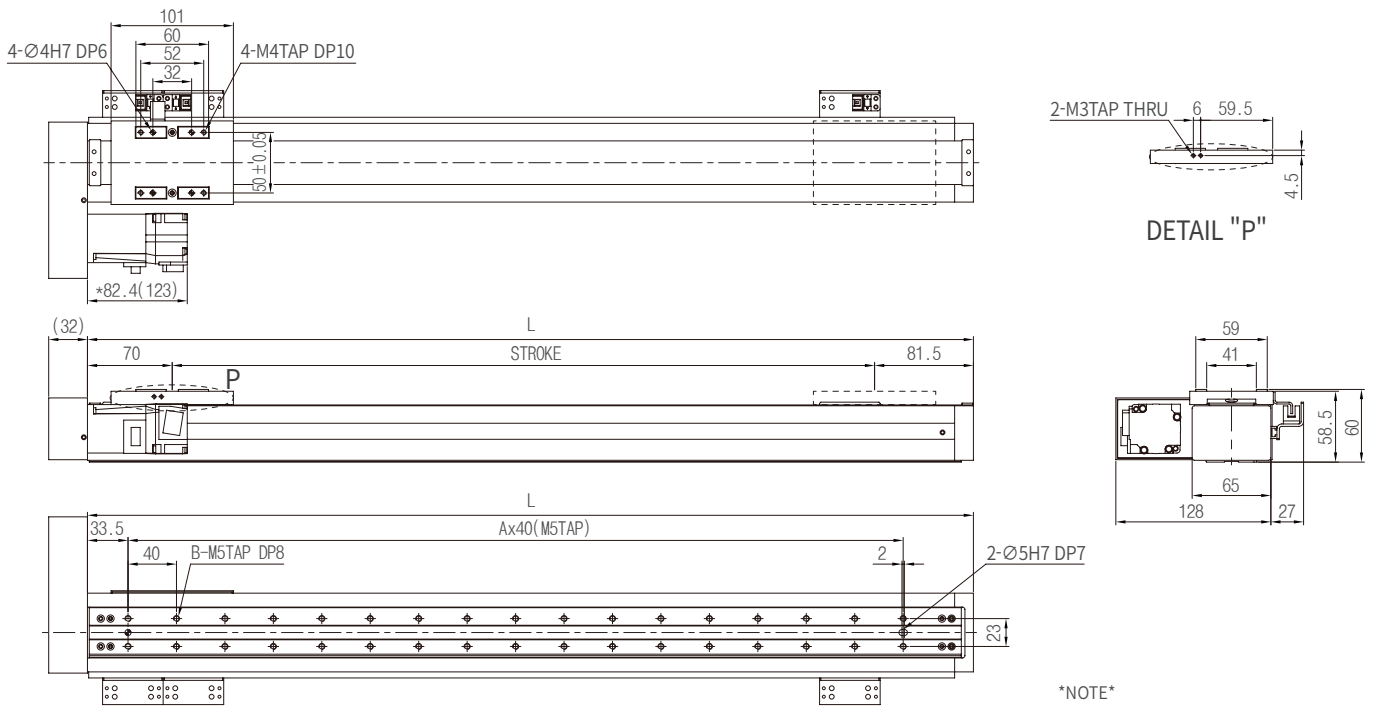
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	100	
LM Guide	Wide No.15 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10
		16
		6

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	59	59	207



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500
L	201.5	251.5	301.5	351.5	401.5	451.1	501.5	551.5	601.5	651.5
A	3	4	6	7	8	9	11	12	13	14
B	8	10	14	16	18	20	24	26	28	30
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	1.2	2.4	2.6	2.9	3.1	3.3	3.5	3.8	4	4.2



URC065-LA-100N05-0300-C  
Base width 65mm, Clean Ball Screw type

**URC** | 065-L

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 065</b>	<b>- L</b>	<b>A</b>	<b>- 100</b>	<b>N</b>	<b>05 - 0300 - C</b>			

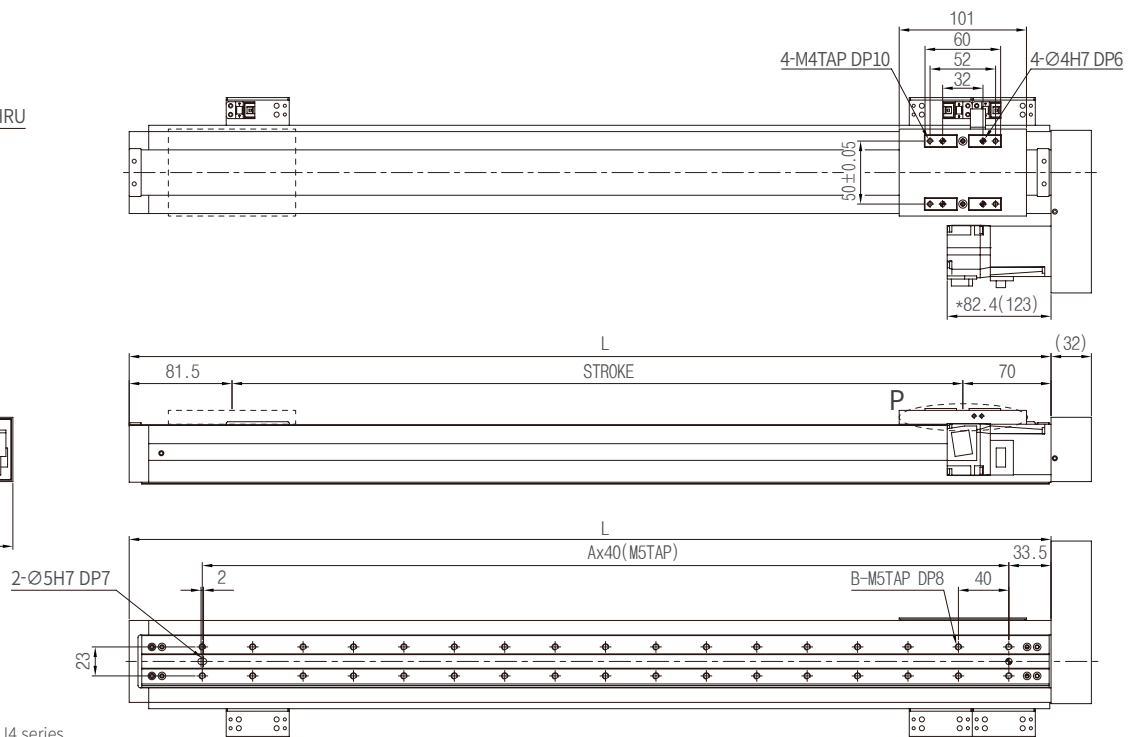
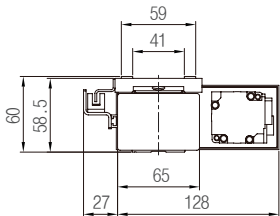
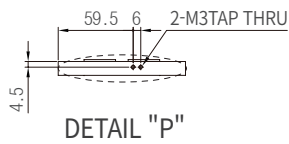
S: Straight type    A: Standard type    100W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

### • Specification

Input Motor (W)	100	
LM Guide	Wide No.15 (1Rail 1Block)	
Ball Screw size	Ø12	
Ball Screw lead (mm)	05	10
Repeatability (mm)	±0.02	±0.02
Maximum load capacity (kgf)	Horizontal	20
	Vertical	10
		6

### • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	59	59	207



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

### • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500
L	201.5	251.5	301.5	351.5	401.5	451.1	501.5	551.5	601.5	651.5
A	3	4	6	7	8	9	11	12	13	14
B	8	10	14	16	18	20	24	26	28	30
Max speed (mm/s)	1205	150	200	250	250	250	250	250	250	250
	1210	300	400	500	500	500	500	500	500	500
Weight (kg)	1.2	2.4	2.6	2.9	3.1	3.3	3.5	3.8	4	4.2



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90A	-	S	A	-	200	N	05 - 0500	- C

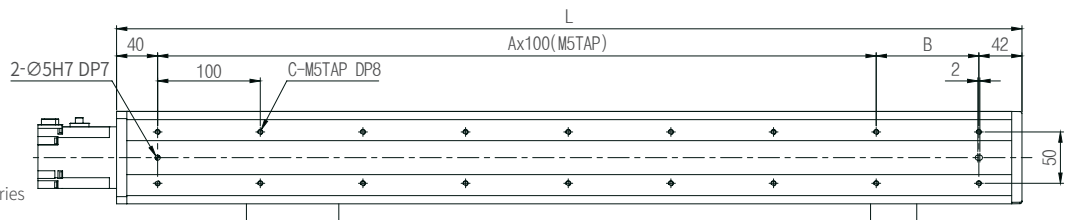
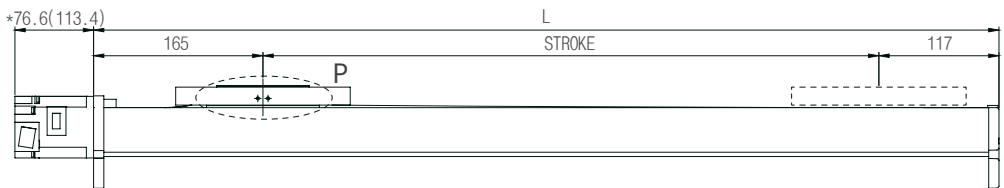
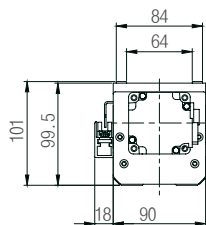
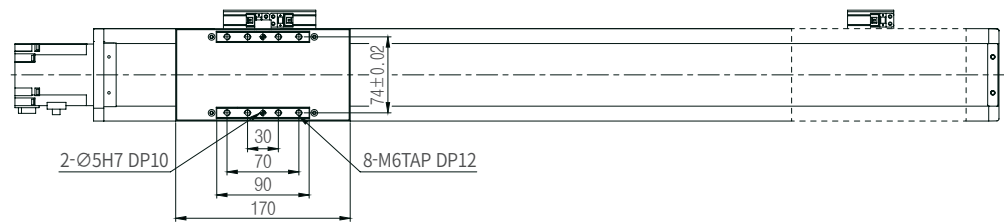
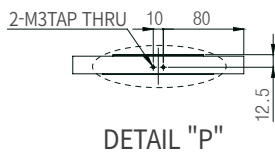
S: Straight type      A: Standard type      200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	332	382	432	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182	1232	1282
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	12
B	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
Max speed (mm/s)	1505	80	100	150	200	250	100	150	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	2.4	4.9	5.4	5.9	6.4	6.9	7.4	8	8.5	9	9.5	10.1	10.6	11.1	11.6	12.1	12.6	13.2	13.7	14.2





URC90A-RA-200N05-0500-C  
Base width 90mm, Clean Ball Screw type, Nomal LM rail

**URC** | 90A-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90A - R		A		200	N	05	0500	C

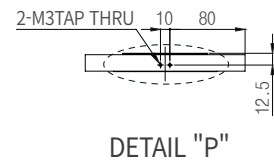
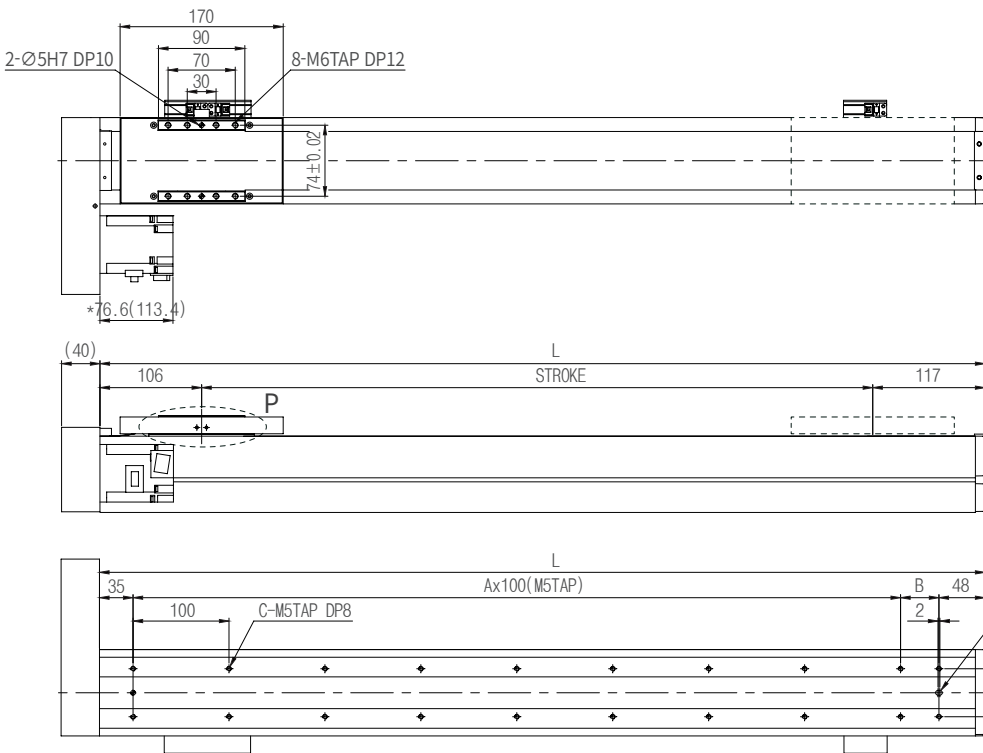
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

• Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173	1223
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
B	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	2.7	5.4	5.9	6.5	7	7.5	8	8.5	9	9.6	10.1	10.6	11.1	11.6	12.1	12.7	13.2	13.7	14.2	14.8



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90A	-	L	A	-	200	N	05 - 0500	- C

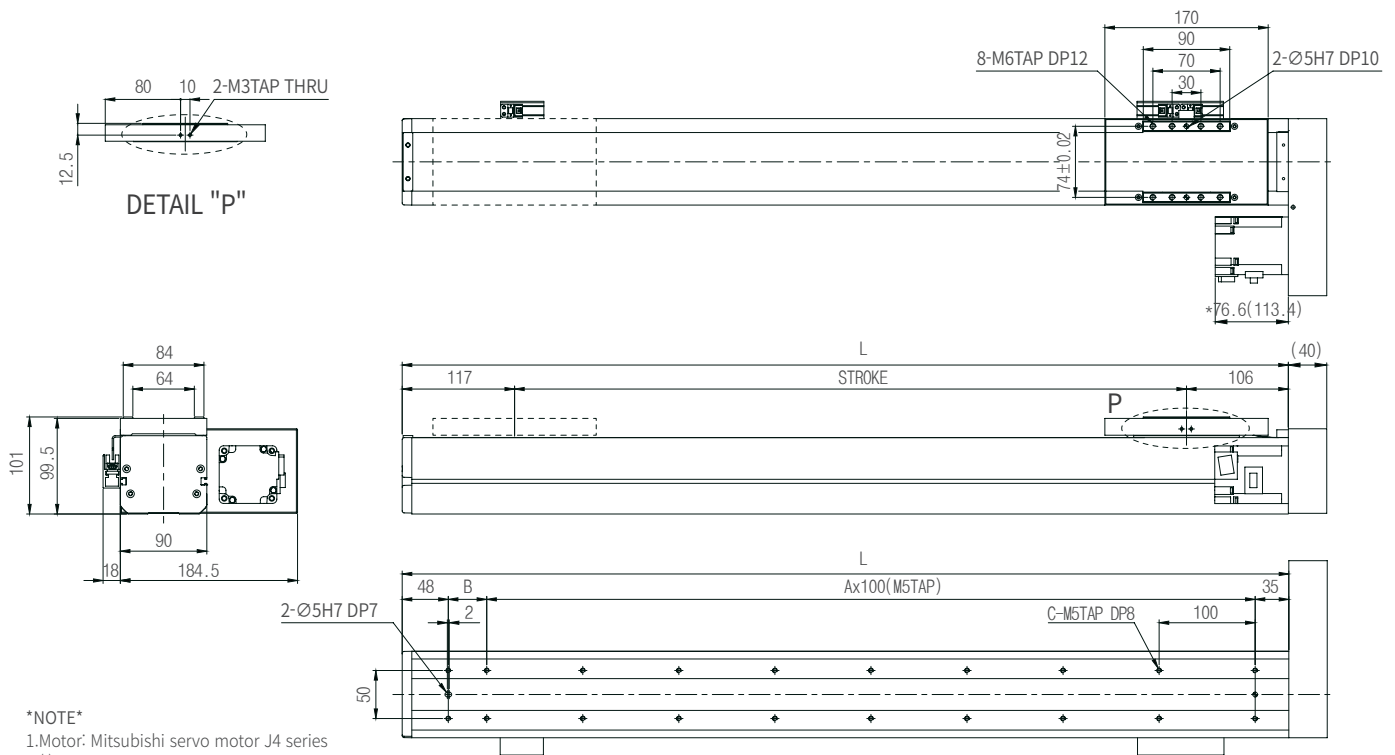
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173	1223
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
B	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	2.7	5.4	5.9	6.5	7	7.5	8	8.5	9	9.6	10.1	10.6	11.1	11.6	12.1	12.7	13.2	13.7	14.2	14.8



URC90A-BA-200N05-0500-C  
Base width 90mm, Clean Ball Screw type, Nomal LM rail

**URC** | 90A-B

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	90A	- B	A	- 200	N	05	- 0500	- C

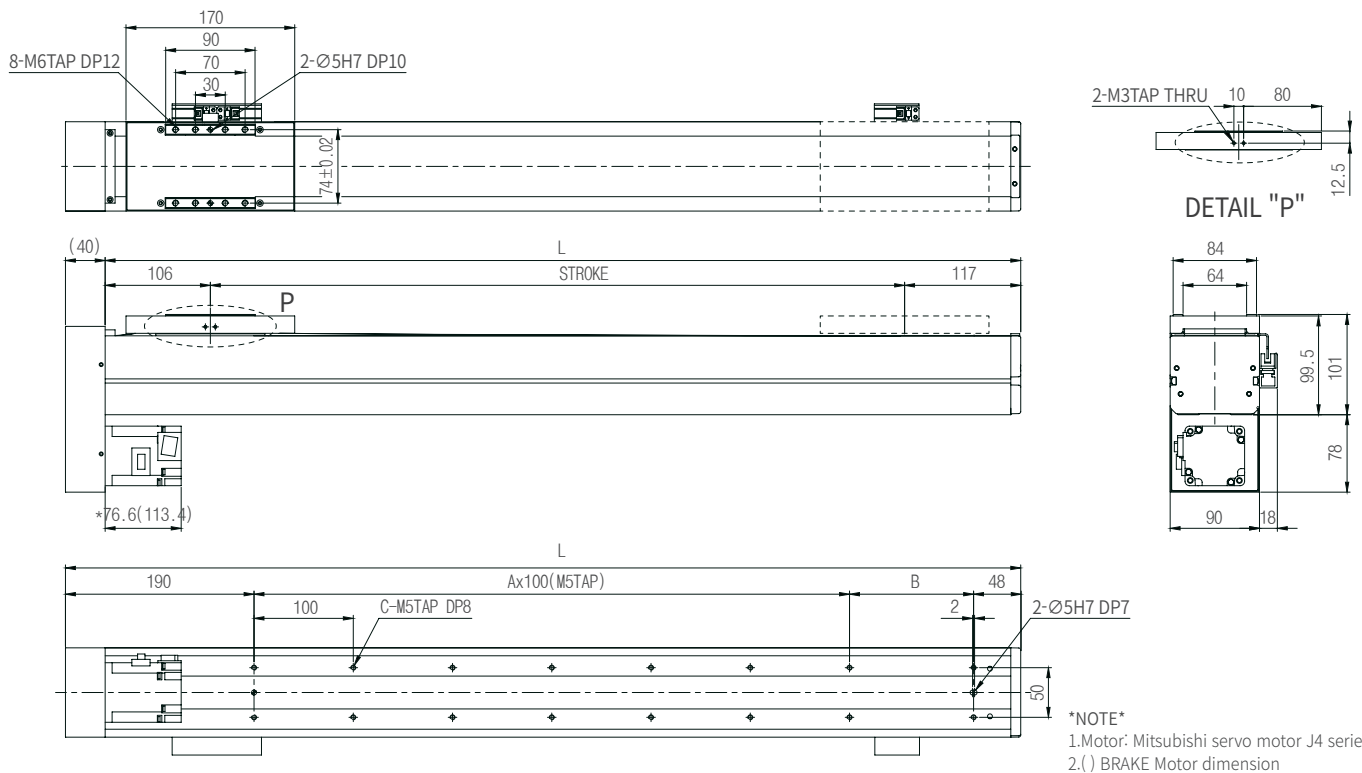
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



• Stroke, Dimension & Velocity

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173	1223
A	1	2	2	3	3	4	4	6	6	7	7	8	8	9	9	10	10
B	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
Max speed (mm/s)	1505	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780
Weight (kg)	6.5	7	7.5	8	8.5	9	9.6	10.1	10.6	11.1	11.6	12.1	12.7	13.2	13.7	14.2	14.8



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90B	-	S	A	-	200	N	05 - 0500	- C

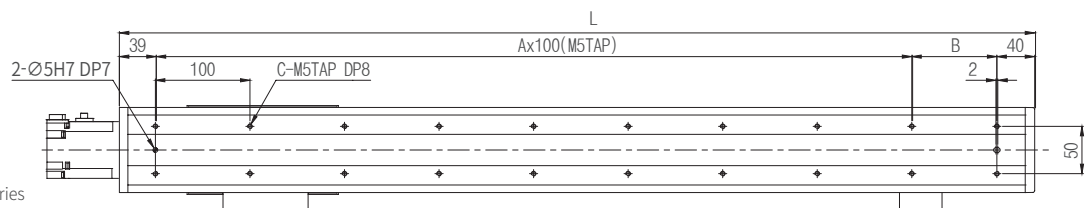
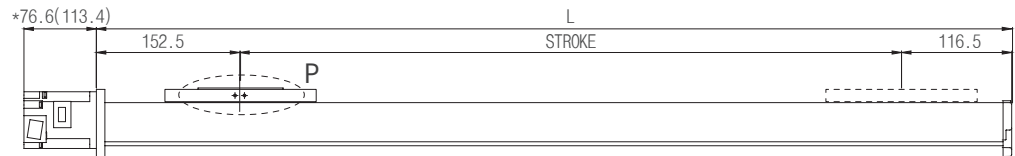
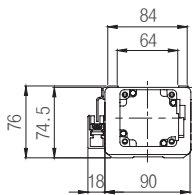
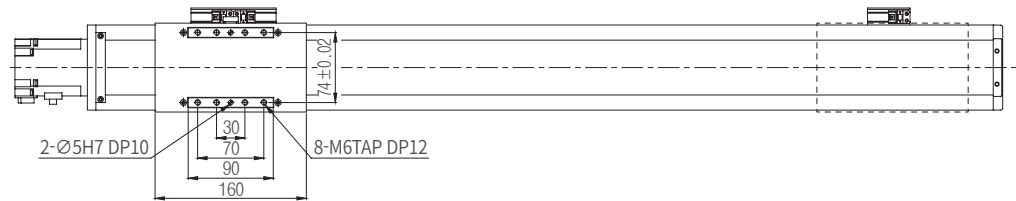
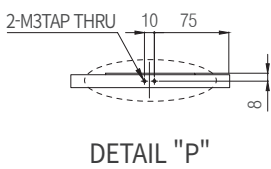
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	Wide No.15(1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	370	370	207



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
B	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	1.5	3	3.4	3.8	4.1	4.5	4.9	5.3	5.6	6	6.4	6.8	7.1	7.5	7.9	8.3	8.6	9	9.4	9.8



URC90B-RA-200N05-0500-C  
Base width 90mm, Clean Ball Screw type, Wide LM rail

**URC** | 90B-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90B	-	R	A	-	200	N	05 - 0500	- C

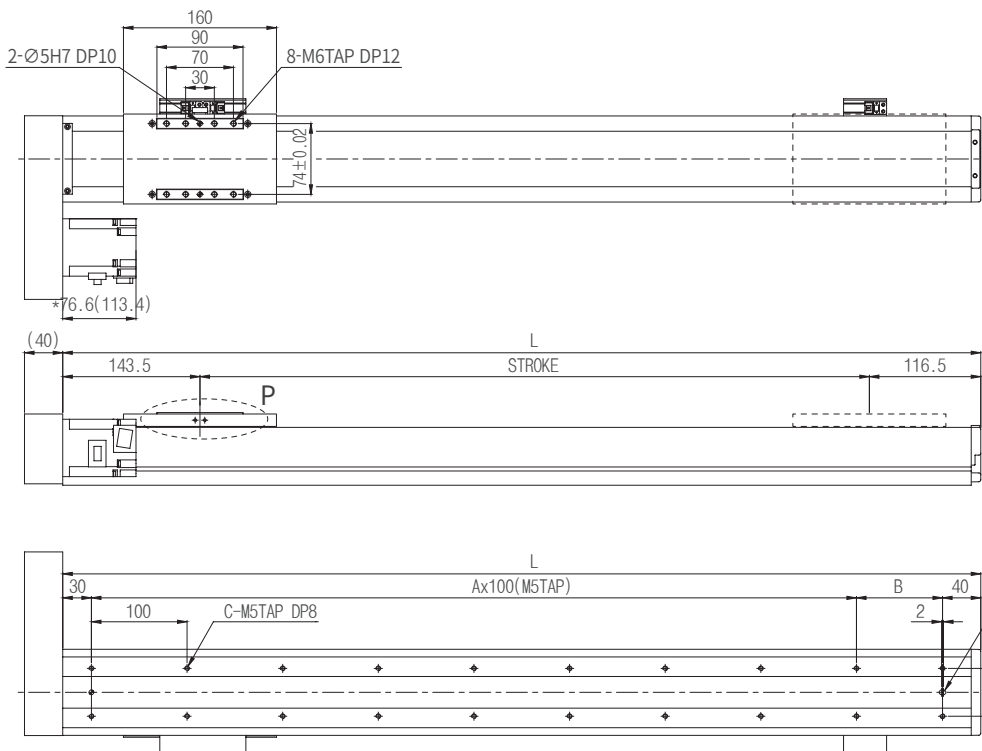
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200				
LM Guide	Wide No.15(1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	370	370	207



\*NOTE\*  
 1.Motor: Mitsubishi servo motor J4 series  
 2.(.) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
L	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	
B	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	1.9	3.8	4.1	4.5	4.9	5.3	5.6	6	6.4	6.8	7.1	7.5	7.9	8.3	8.6	9	9.4	9.8	10.1	10.5	



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90B	-	L	A	-	200	N	05 - 0500	- C

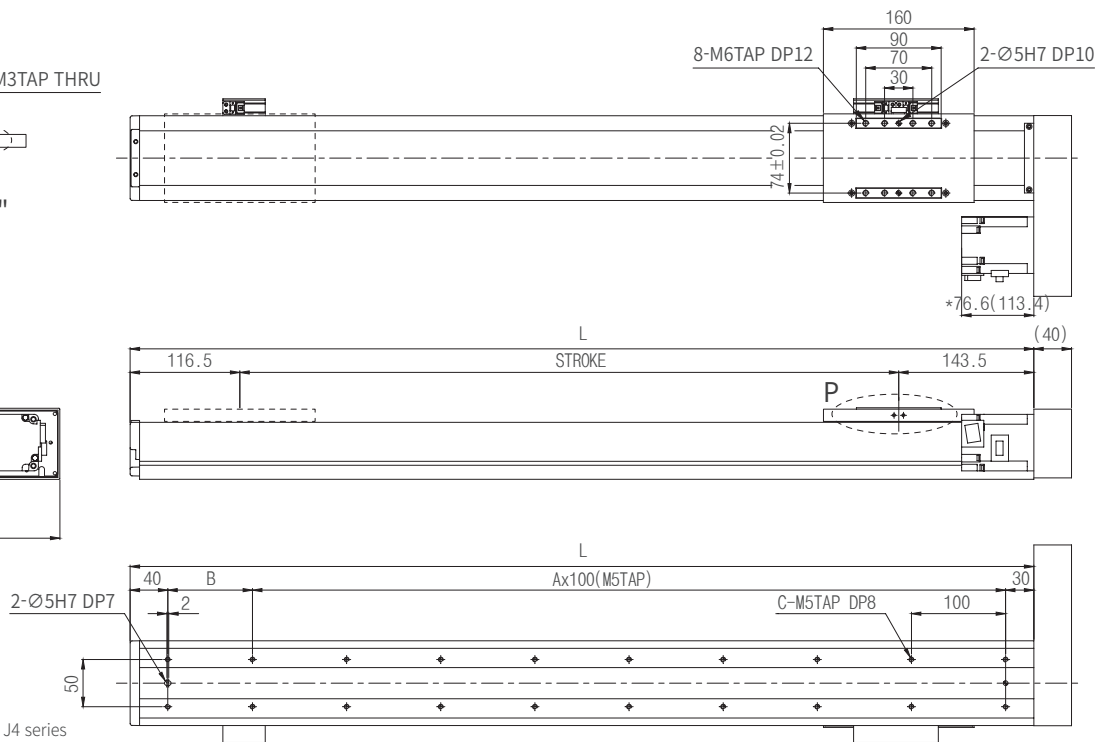
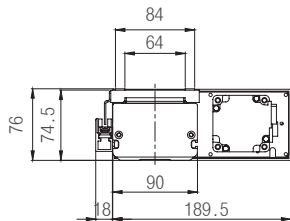
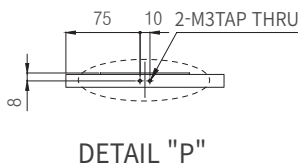
S: Straight type      A: Standard type      200W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	Wide No.15(1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	370	370	207



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
B	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90	140	90
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	1.9	3.8	4.1	4.5	4.9	5.3	5.6	6	6.4	6.8	7.1	7.5	7.9	8.3	8.6	9	9.4	9.8	10.1	10.5



URC90B-BA-200N05-0500-C  
Base width 90mm, Clean Ball Screw type, Wide LM rail

**URC** | 90B-B

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 90B	-	B	A	-	200	N	05 - 0500	- C

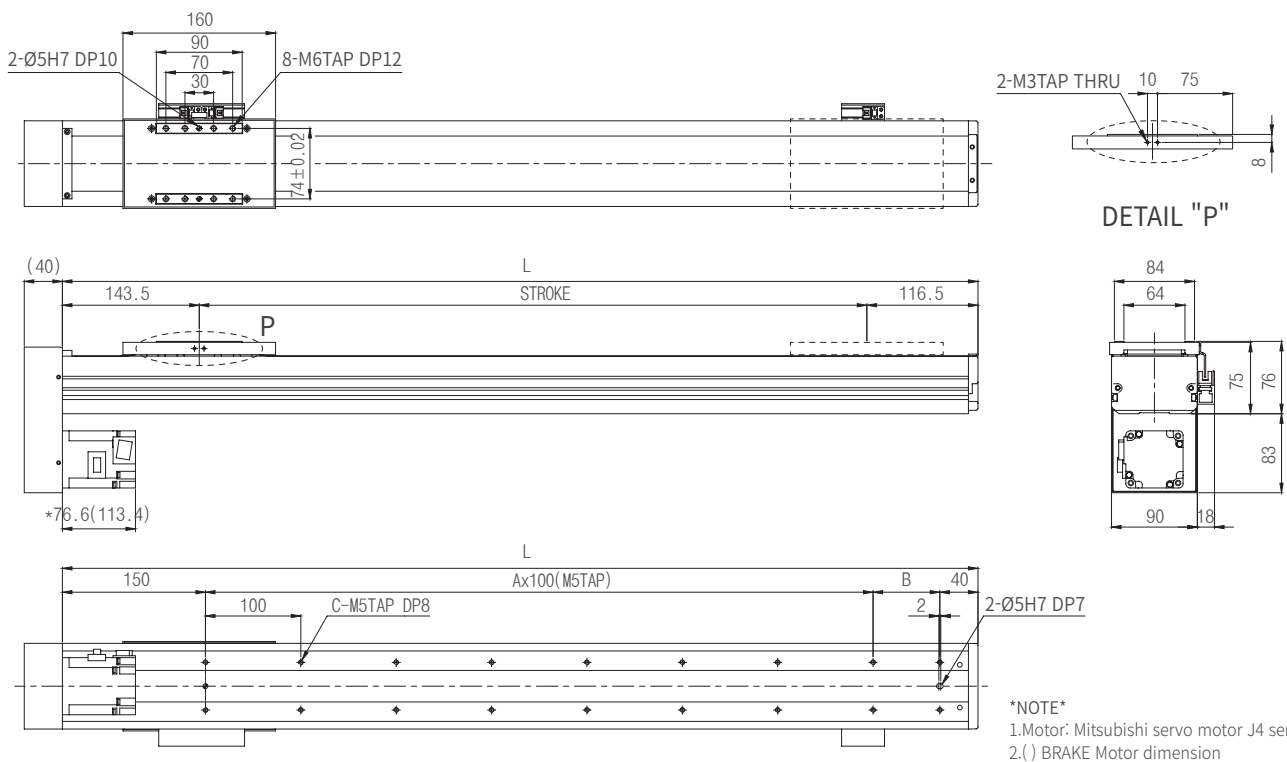
S: Straight type    A: Standard type    200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200				
LM Guide	Wide No.15(1Rail 2Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	370	370	207



• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260
A	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10
B	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70
C	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24
Max speed (mm/s)	1505	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.5	4.9	5.3	5.6	6	6.4	6.8	7.1	7.5	7.9	8.3	8.6	9	9.4	9.8	10.1	10.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	120	- S	A	- 200	N	05	- 0500	- C

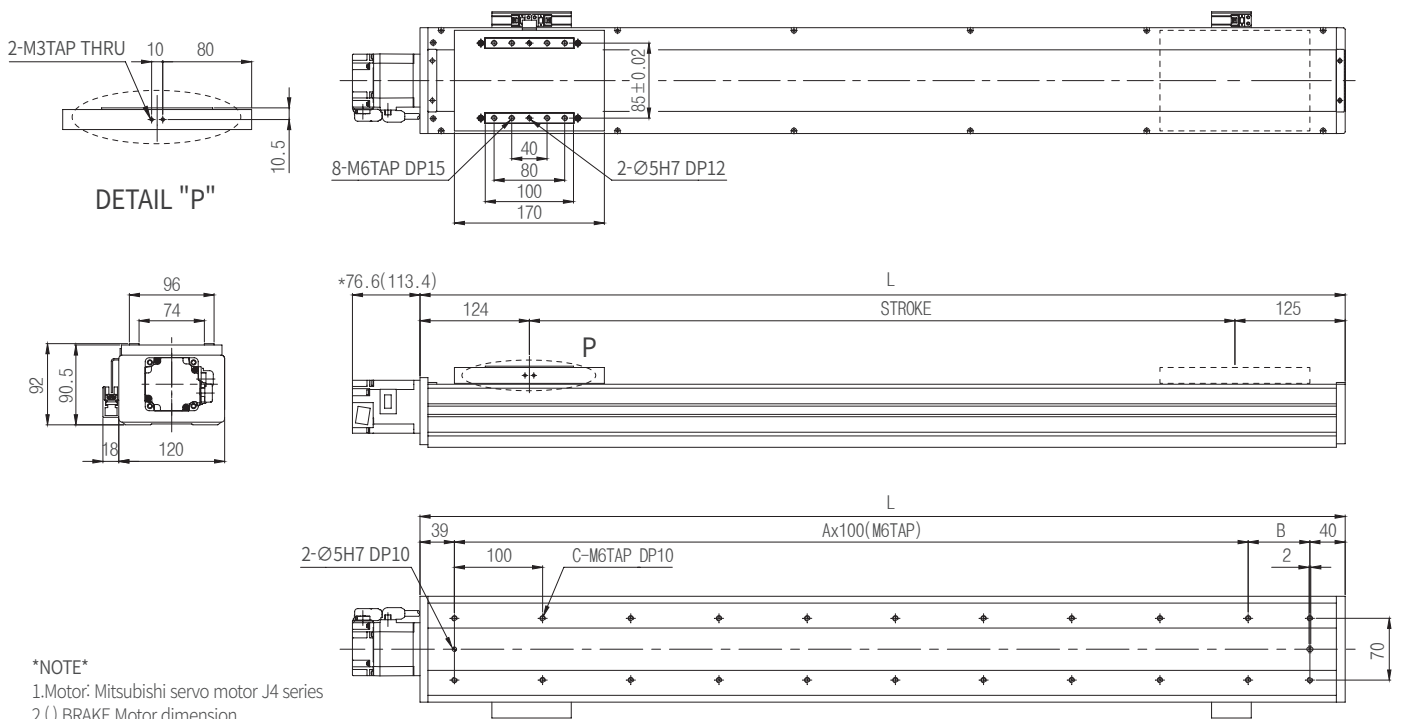
S: Straight type      A: Standard type      200W,400W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	705	593	195



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
L	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	
B	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	
Max speed (mm/s)	1505	150	180	200	220	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	2.9	5.8	6.3	6.9	7.4	7.9	8.4	9	9.5	10	10.5	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.3	17.8	18.3	





URC120-RA-200N05-0500-C  
Base width 120mm, Clean Ball Screw type

URC | 120-R

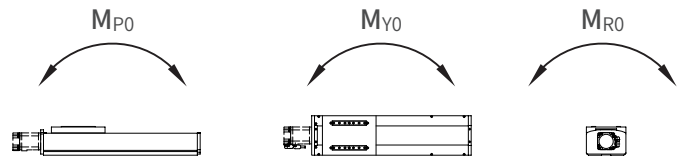
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 120	-	R	A	-	200	N	05 - 0500	- C

S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

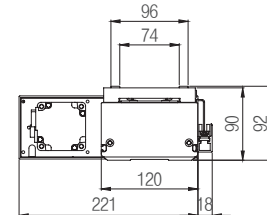
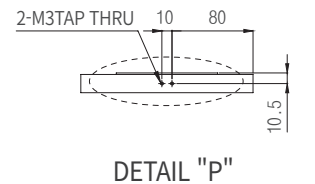
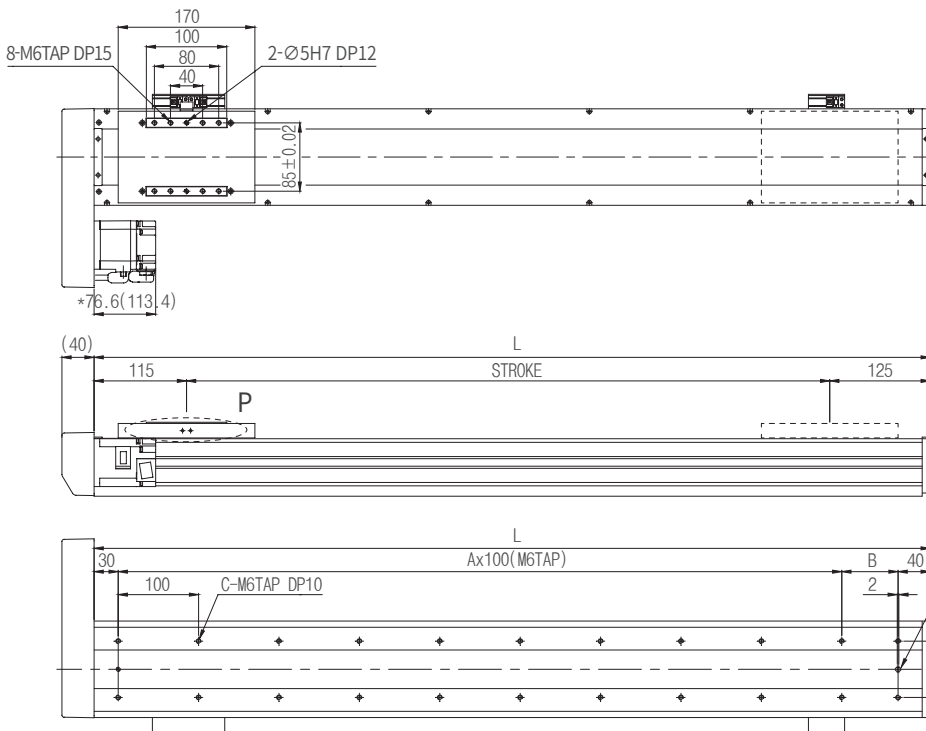
• Specification

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

• Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440	1490	1540
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14
B	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32
Max speed (mm/s)	1505	150	180	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	3.1	6.3	6.8	7.3	7.8	8.4	8.9	9.4	9.9	10.4	11	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.8	17.3	17.8	18.3	18.9



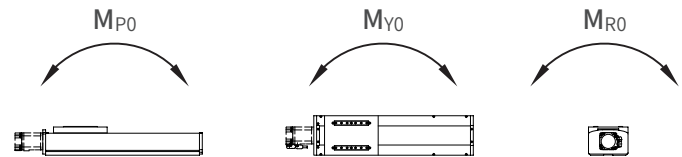
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	120	-	L	A	-	200	N	05 - 0500 - C

S: Straight type      A: Standard type      200W,400W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

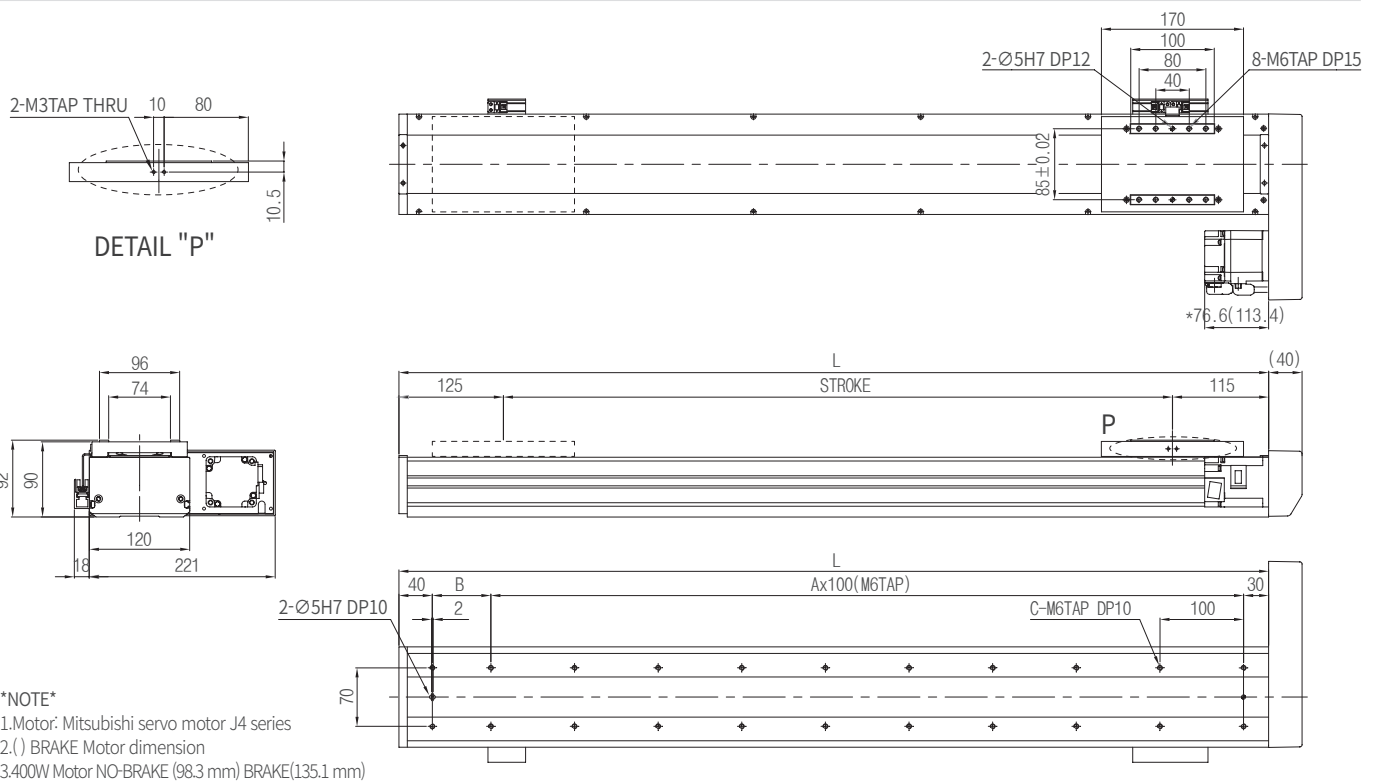
## • Specification

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

## • Allowable Overhung Load



Static Admissible State (N-m)	Mp0	My0	Mr0
	705	593	195



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
L	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440	1490	1540	
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	
B	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	120	70	
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	
Max speed (mm/s)	1505	150	180	200	220	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	3.1	6.3	6.8	7.3	7.8	8.4	8.9	9.4	9.9	10.4	11	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.8	17.3	17.8	18.3	18.9	



URC120-BA-200N05-0500-C  
Base width 120mm, Clean Ball Screw type

**URC** | 120-B

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 120 - B</b>			<b>A</b>	<b>200</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

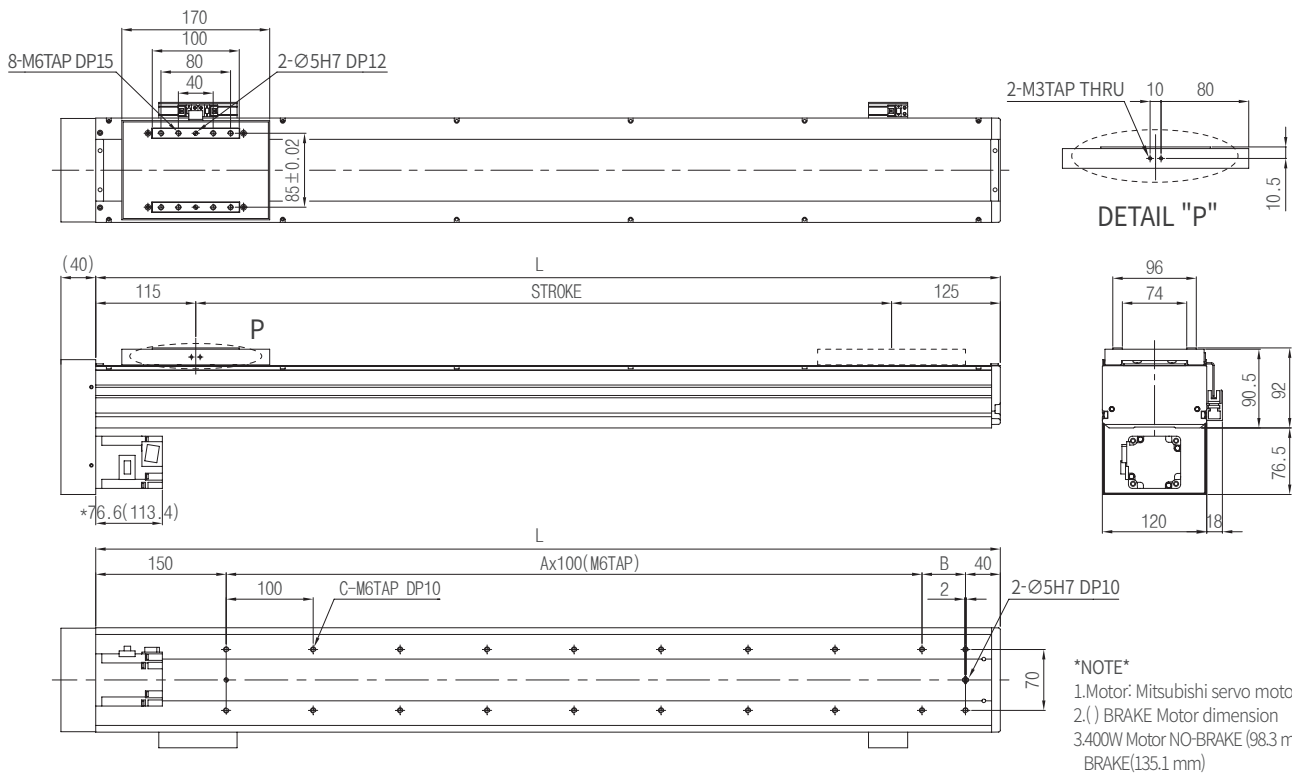
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



• **Stroke, Dimension & Velocity**

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440	1490	1540
A	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
Max speed (mm/s)	1505	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	7.3	7.8	8.4	8.9	9.4	9.9	10.4	11	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.2	15.7	16.2	16.8	17.3	17.8	18.3	18.9



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 140	-	S	A	-	400	N	05 - 0500	- C

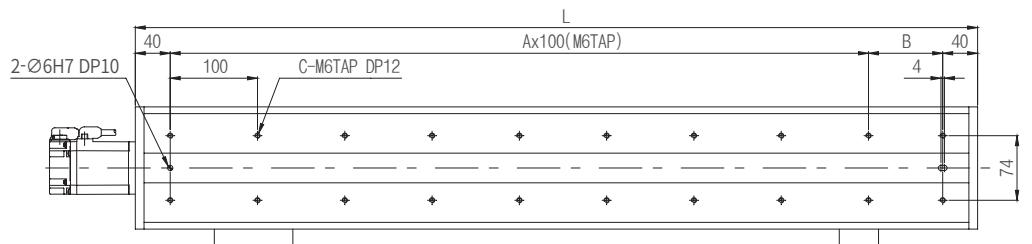
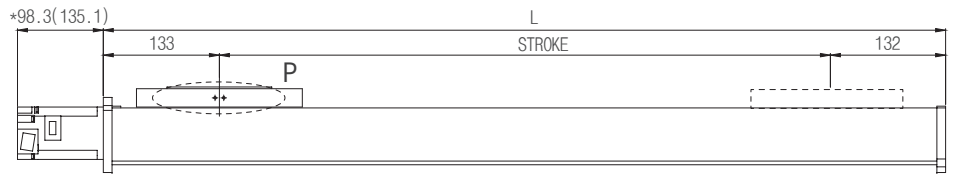
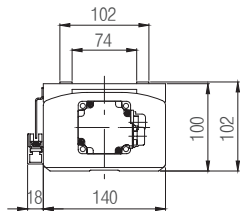
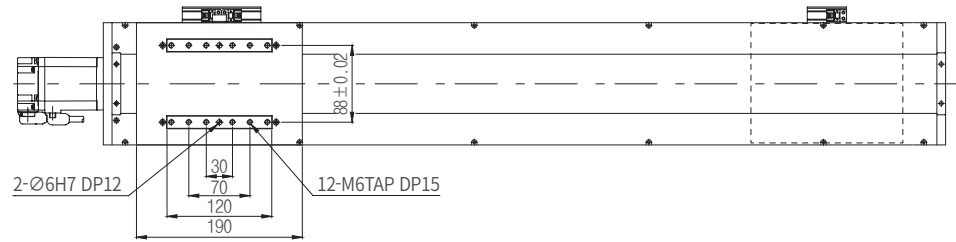
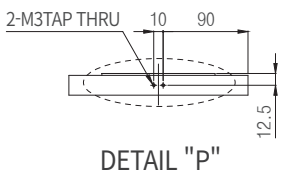
S: Straight type      A: Standard type      400W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30(40)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	315	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14
B	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32
Max speed (mm/s)	1505	150	180	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	3.8	7.6	8.4	9.2	10	10.8	11.6	12.5	13.3	14.1	14.9	15.7	16.5	17.3	18.1	18.9	19.7	20.6	21.4	22.2	23	23.9	24.7	25.5	26.3	27.1



URC140-RA-400N05-0500-C  
Base width 140mm, Clean Ball Screw type

**URC** | 140-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 140</b>	<b>- R</b>	<b>A</b>	<b>- 400</b>	<b>N</b>	<b>05 - 0500</b>	<b>- C</b>		

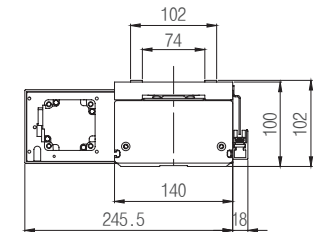
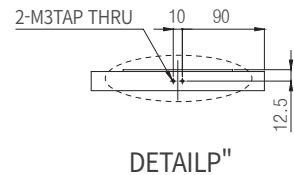
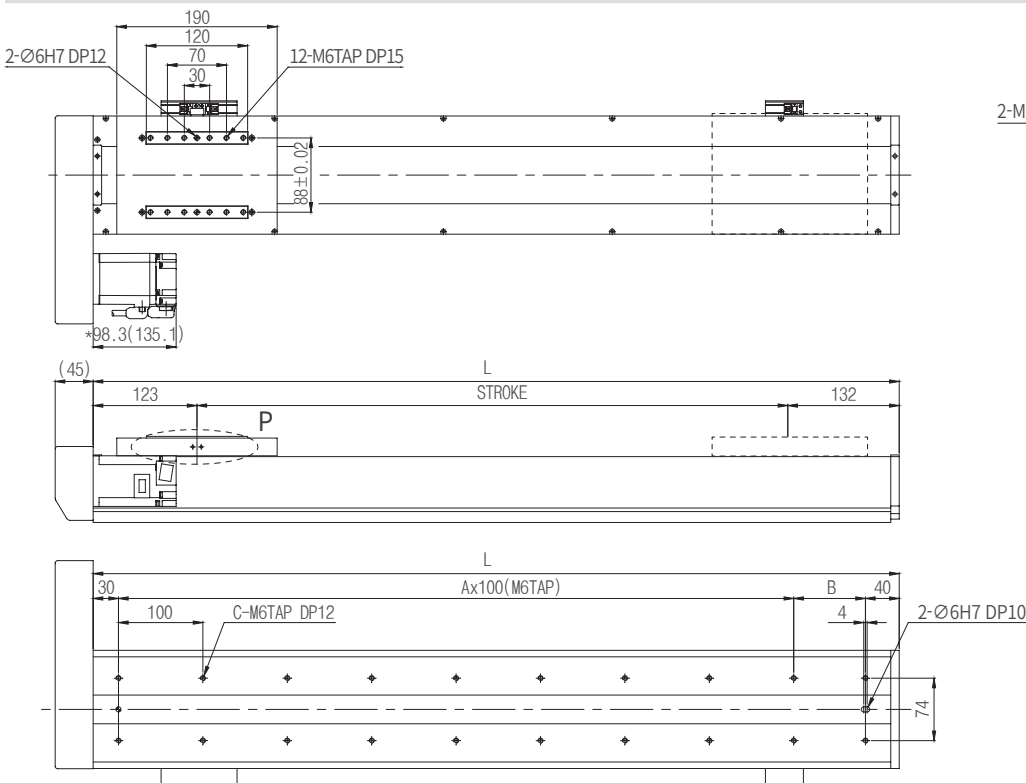
S: Straight type    A: Standard type    400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30(40)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
L	305	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	
B	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	
Max speed (mm/s)	1505	150	180	200	250	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	4	8	8.8	9.6	10.4	11.3	12.1	12.9	13.7	14.5	15.4	16.2	17	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.6	24.4	25.2	26	26.8	27.7	



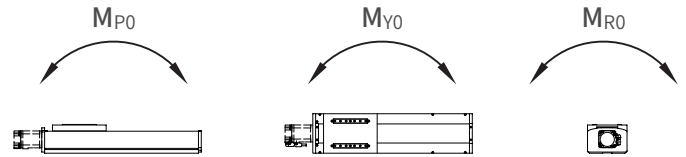
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 140	-	L	A	-	400	N	05 - 0500	- C

S: Straight type    A: Standard type    400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

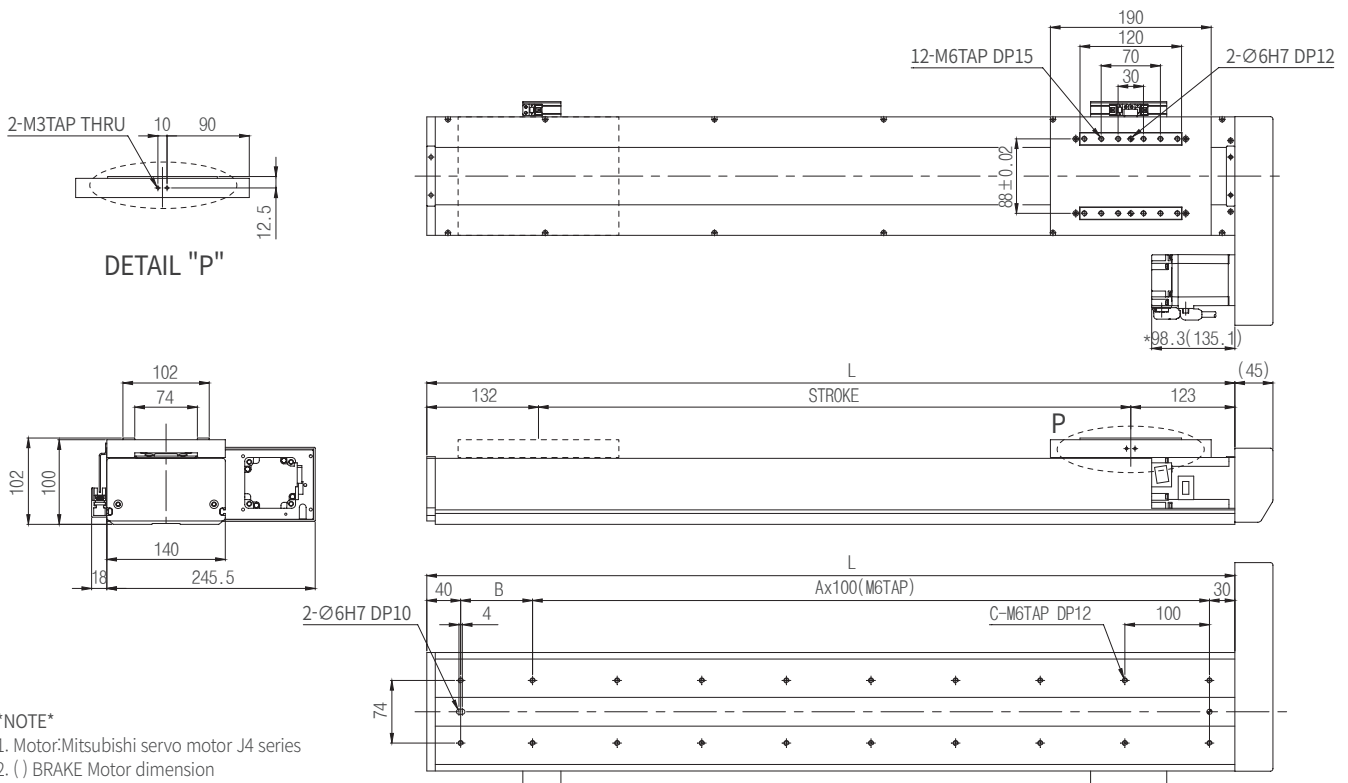
## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30(40)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
L	305	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	
B	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	
Max speed (mm/s)	1505	150	180	200	250	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	4	8	8.8	9.6	10.4	11.3	12.1	12.9	13.7	14.5	15.4	16.2	17	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.6	24.4	25.2	26	26.8	27.7	



URC140-BA-400N05-0500-C  
Base width 140mm, Clean Ball Screw type

# URC | 140-B

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC 140	-	B	A	-	400	N	05 - 0500	- C

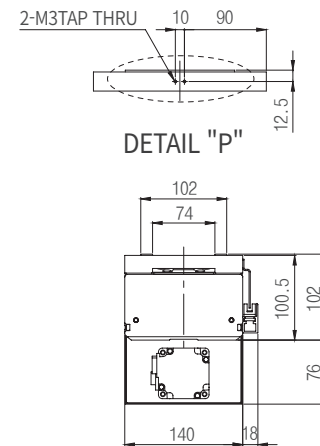
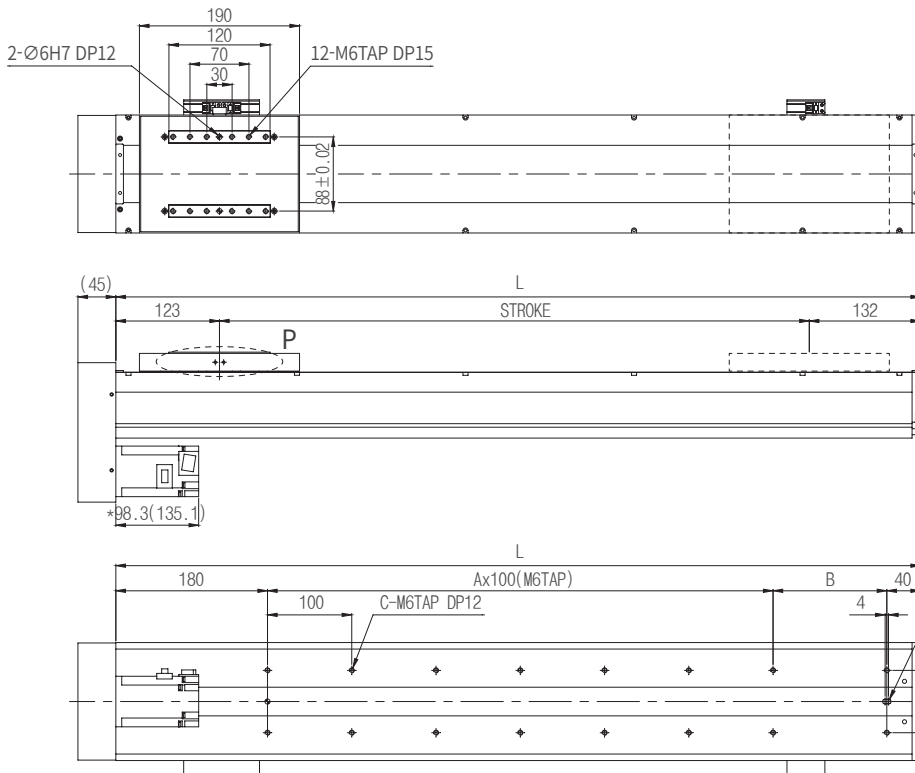
S: Straight type    A: Standard type    400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30(40)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555
A	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
B	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135	85	135
C	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
Max speed (mm/s)	1505	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450
Weight (kg)	9.6	10.4	11.3	12.1	12.9	13.7	14.5	15.4	16.2	17	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.6	24.4	25.2	26	26.8	27.7



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	180	-	S	A	-	750	N	05 - 0500 - C

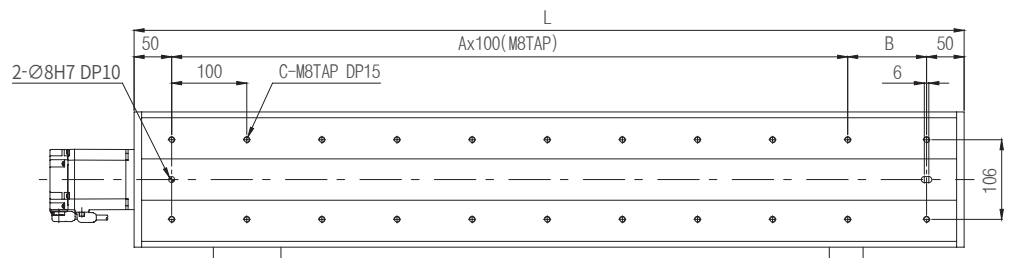
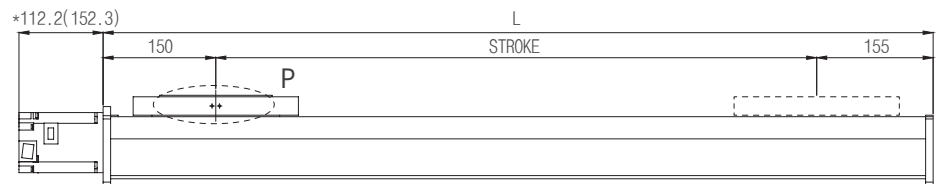
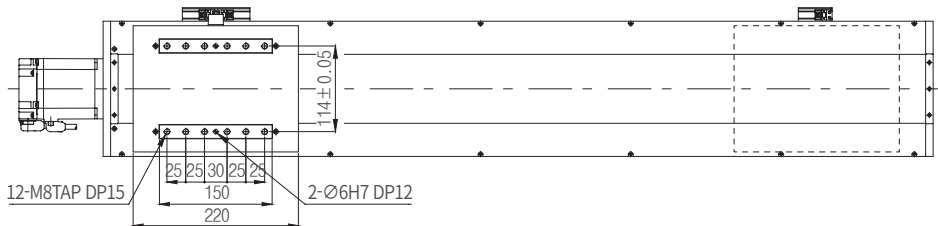
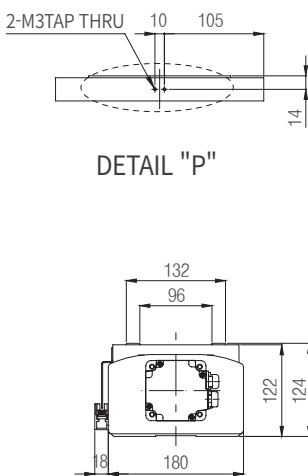
S: Straight type      A: Standard type      750W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



\*NOTE\*  
 1. Motor:Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705	1755	1805
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	310	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	620	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	18	19	20.2	21.3	22.4	23.5	24.5	25.6	26.7	27.8	28.9	30	31.1	32.2	33.3	34.3	35.4	36.5	37.6	38.7	39.9	41.4	42.5	43.6	44.7	45.7





URC180-RA-750N05-0500-C  
Base width 180mm, Clean Ball Screw type

**URC** | 180-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 180 - R</b>			<b>A</b>	<b>750</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

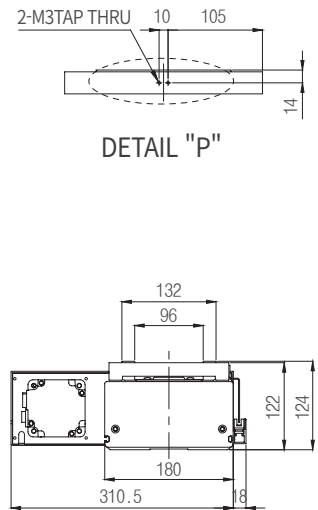
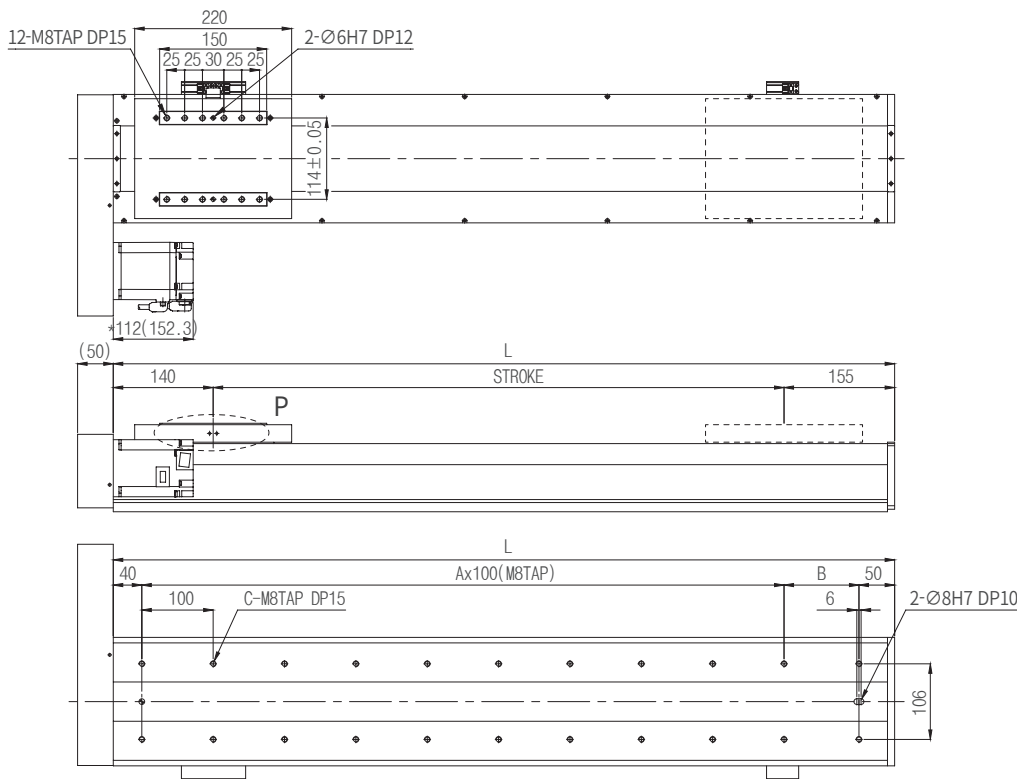
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	545	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	310	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	620	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	19.1	20.1	21.2	22.3	23.4	24.5	25.6	26.7	27.8	28.9	30	31	32.1	33.2	34.3	35.4	36.5	37.6	38.7	39.7	40.8	41.9	43	44.1	45.2	46.3



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URC	180	- L	A -	750	N	05	0500	- C

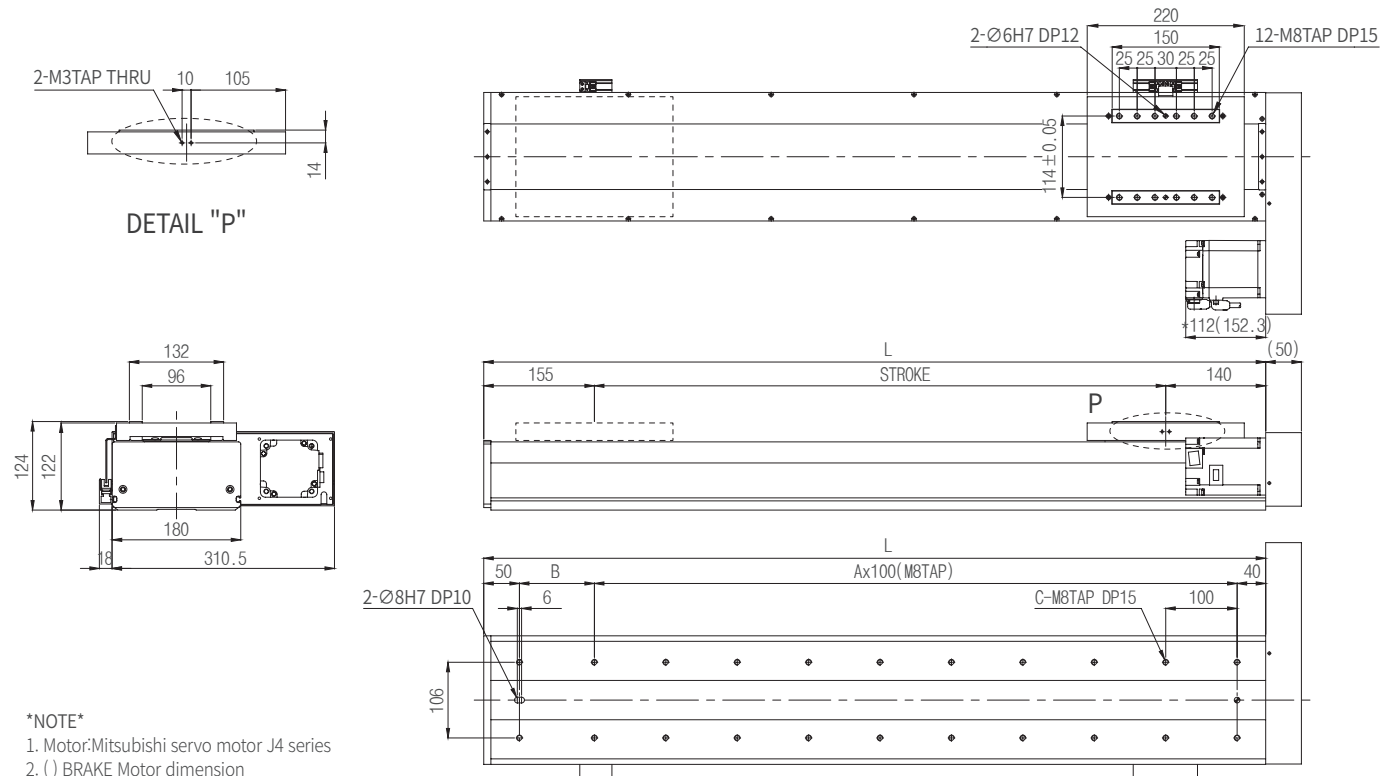
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

## • Specification

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



## • Stroke, Dimension & Velocity

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	545	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105	155	105
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	310	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	620	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	19.1	20.1	21.2	22.3	23.4	24.5	25.6	26.7	27.8	28.9	30	31	32.1	33.2	34.3	35.4	36.5	37.6	38.7	39.7	40.8	41.9	43	44.1	45.2	46.3



URC180-BA-750N05-0500-C  
Base width 180mm, Clean Ball Screw type

**URC** | 180-B

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URC 180</b>	<b>- B</b>	<b>A</b>	<b>- 750</b>	<b>N</b>	<b>05 - 0500 - C</b>			

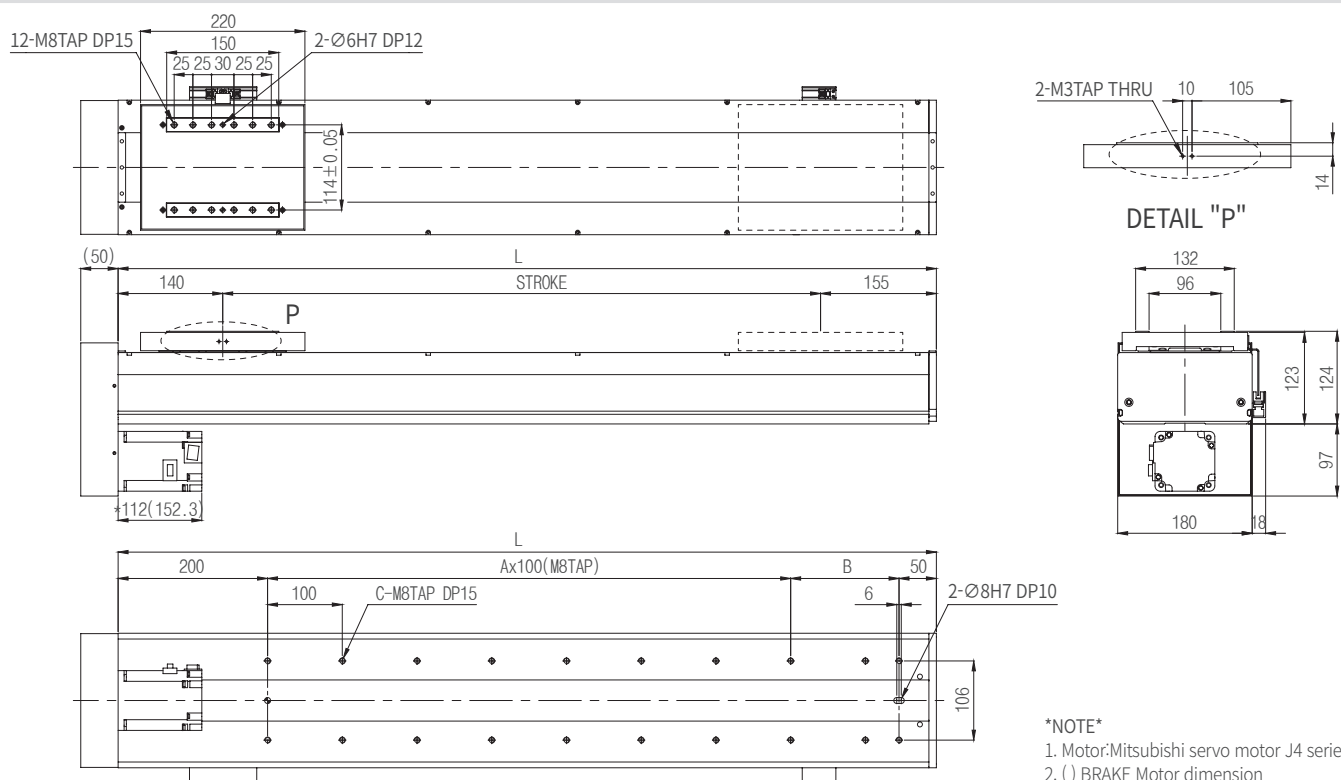
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 41 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 B: Behind type  
 G: Guide axis

• **Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

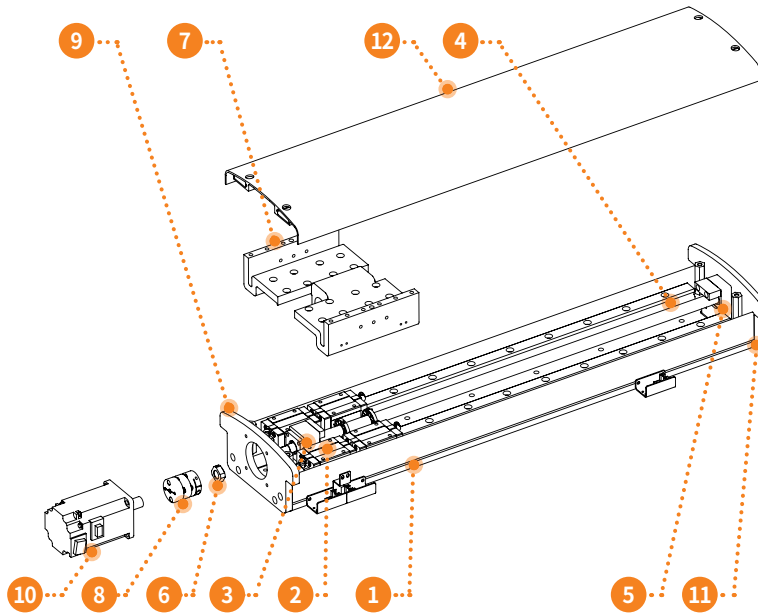
• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



• **Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	545	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795
A	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15
B	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45	95	45
C	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	310	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	620	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	19.1	20.1	21.2	22.3	23.4	24.5	25.6	26.7	27.8	28.9	30	31	32.1	33.2	34.3	35.4	36.5	37.6	38.7	39.7	40.8	41.9	43	44.1	45.2	46.3



- |                        |                         |                 |
|------------------------|-------------------------|-----------------|
| ① Base                 | ⑤ Bearing Housing(Free) | ⑨ Motor Bracket |
| ② LM Guide             | ⑥ Lock Nut              | ⑩ Motor         |
| ③ Bearing Housing(Fix) | ⑦ Slider                | ⑪ End Cover     |
| ④ Ball Screw           | ⑧ Coupling              | ⑫ Upper Cover   |

## • Features

### > 고강성 & 차폐 구조 사이즈

구조해석 적용 | 더 작은 크기로도 동일 퍼포먼스 구현 | LM 플랜지 타입 적용

### > 다양한 조합의 표준 구성

### > 표준테이블을 통한 설계편의성 제공

### > 저소음 설계

### > 상,하부 어디서든 편리한 체결

### > 클린타입(URC) 대비 유지보수 편리

## • Notes

### > 평탄도

· 로봇 하단 기준면에서 슬라이더 상면까지의 평탄도는  $\pm 0.05\text{mm}/1000\text{mm}$  이하입니다.

### > 반복정밀도 & 위치정밀도

· 위치정밀도는 목표 위치와 실제 도달한 위치간의 차이(에러)를 뜻합니다.

· 반복정밀도는 동일한 task를 반복적으로 수행할때 발생하는 차이를 말합니다.

### > 속도

· 주요 구성품인 Ball Screw의 위험회전속도로 인해, Stroke이 길어질수록 최대속도는 감소합니다.

# Model name

Model	Base width	Type1	Type2	Motor		Lead	Stroke	Option
				power	type			
URD	080	- S	A	- 200	N	05	- 0500	- C

## > Model

URD: General Ball Screw

## > Base width

080 / 120 / 140 / 180  
(ex. 080=80mm, 180=180mm)

## > Type 1

Motor mounting methods  
S: Straight Type  
L: Left parallel Type  
R: Right parallel Type  
G: Guide axis

## > Type 2

Model Type (A: Standard, B: Customized)

## > Motor power

Motor power in watts (ex. 200=200W Motor)  
100 / 200 / 400 / 750

## > Motor type

N: No-Brake type B: Brake type

## > Lead

Ball screw lead in mm (ex. 10=10mm lead)  
05 / 10 / 20 / 25 / 30 / 40

## > Stroke

Range of motion in mm (0500=500mm)

## > Option

C: Out Side 3 Sensors (Customized)  
2: 2개 이상의 Slider일 경우 표기 (ex. 2,3,4~)  
B: Black Anodizing  
E: 그리스 외부주유  
F: LM, B/S Raydent  
L: 2-LM Block

Series 1

Model width 3

Specifications 4

External dimensions 6

**URD | 080-S**

URD080-SA-200N05-0500-C  
Base width 80mm, Ball Screw type

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD	080	- S	A	- 200	N	05	- 0500	- C

S: Straight type L: Left parallel type R: Right parallel type G: Guide axis

A: Standard type B: Customized type

100W,200W

N: No-Brake type B: Brake type

C: OutSide 3 Sensors (Customized)Option (Page 69 참조)

**\* Specification**

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

**\* Allowable Overhung Load**

Static Admissible State (N-m)	MPO	MYO	MRO
	133	111	160

**\* Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	277	327	377	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7
B	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	3.8	4.1	4.4	4.8	5.2	5.6	5.9	6.3	6.8	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4

2 Description

5 Allowable overhung load

7 Stroke, Dimension & Velocity



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option	
URD 080	-	S	A	-	200	N	05 - 0500	-	C

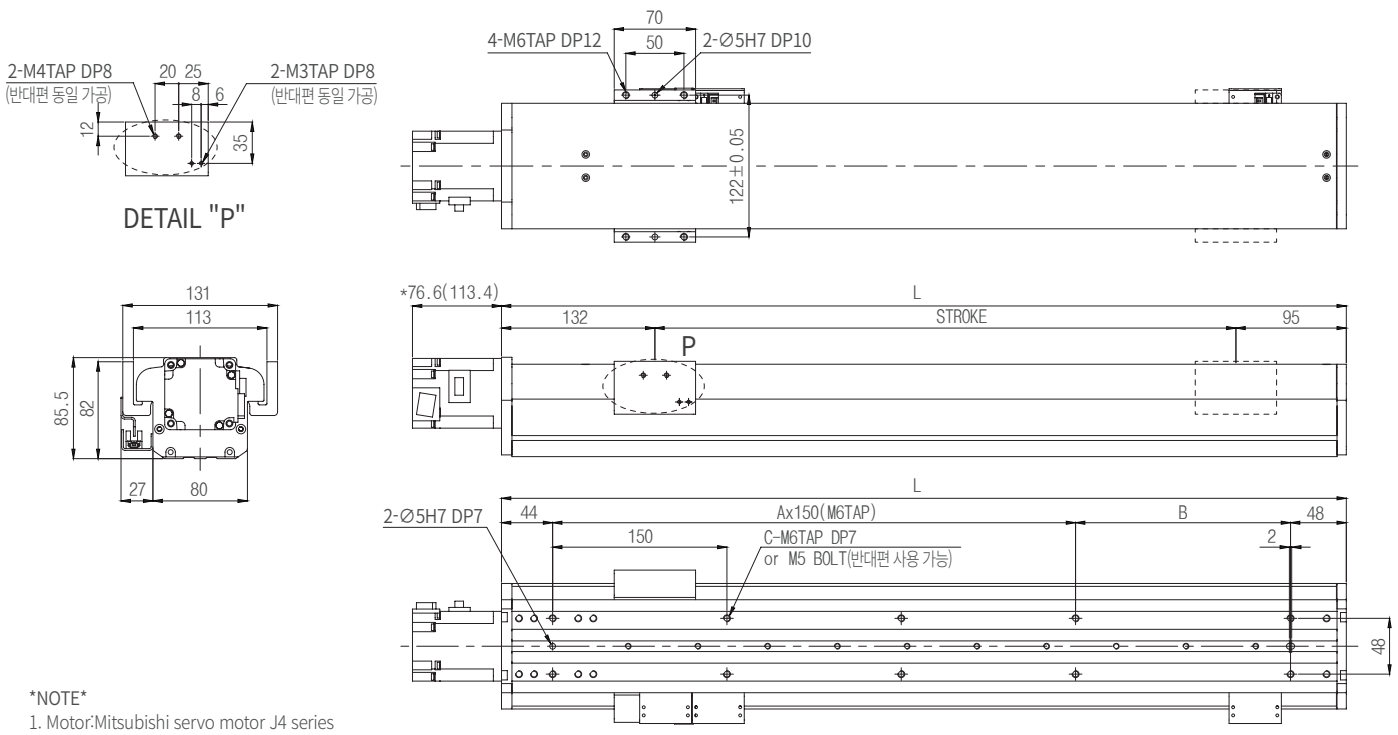
S: Straight type    A: Standard type    100W,200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	133	111	160



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
L	277	327	377	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	
B	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85	135	185	85	
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	
Weight (kg)	3.8	4.1	4.4	4.8	5.2	5.6	5.9	6.3	6.8	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	



URD080-RA-200N05-0500-C  
Base width 80mm, Ball Screw type

**URD** | 080-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option	
URD 080	-	R	A	-	200	N	05 - 0500	-	C

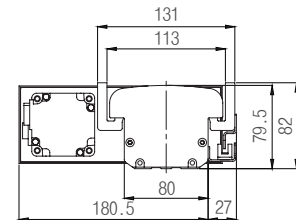
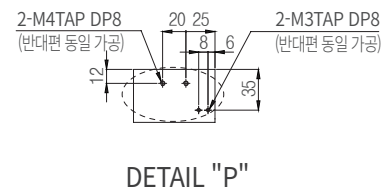
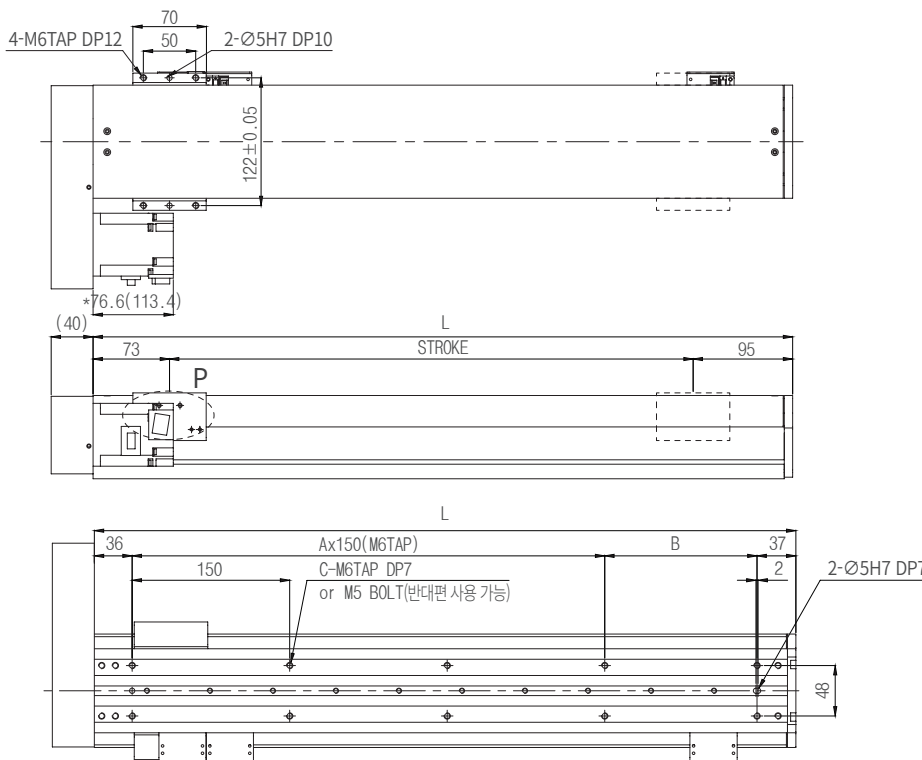
S: Straight type    A: Standard type    100W,200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

• Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( )mm BRAKE Motor dimension

• Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	218	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7
B	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.1	4.4	4.7	5.1	5.5	5.9	6.2	6.6	7.1	7.7	8.2	8.7	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.7



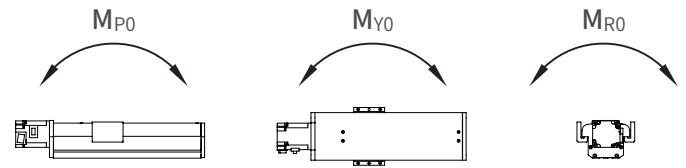
Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD 080	-	L	A	-	200	N	05 - 0500	- C

S: Straight type    A: Standard type    100W,200W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

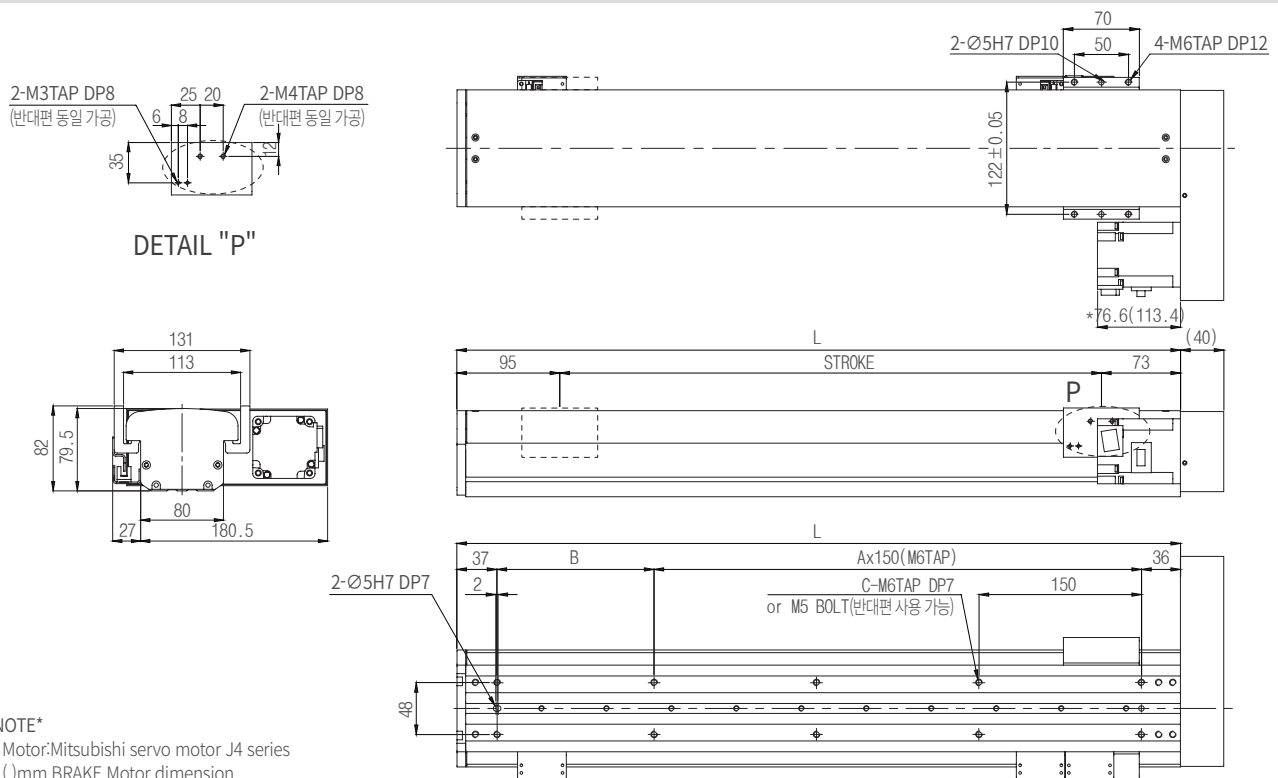
## • Specification

Input Motor (W)	200				
LM Guide	No.20 (1Rail 1Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40	35	25	10
	Vertical	30	16	7	2

## • Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	133	111	160



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	218	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168
A	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7
B	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45	95	145	45
C	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18
Max speed (mm/s)	1505	80	100	150	200	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120
	1510	160	200	300	400	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240
	1520	320	400	600	800	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480
	1530	480	600	900	1200	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720
Weight (kg)	4.1	4.4	4.7	5.1	5.5	5.9	6.2	6.6	7.1	7.7	8.2	8.7	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.7





URD120-SA-200N05-0500-C  
Base width 120mm, Ball Screw type

**URD** | 120-S

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URD 120 - S</b>		<b>A</b>		<b>200</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

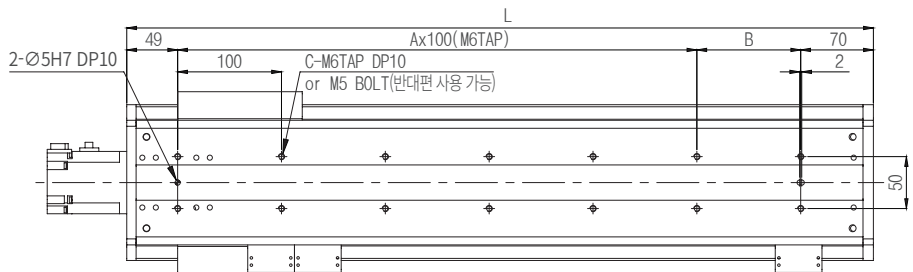
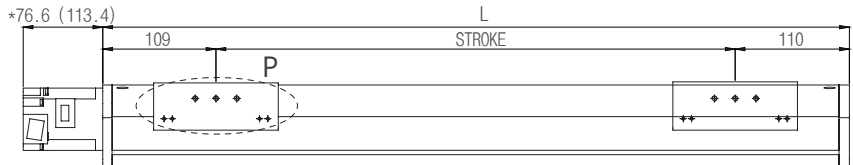
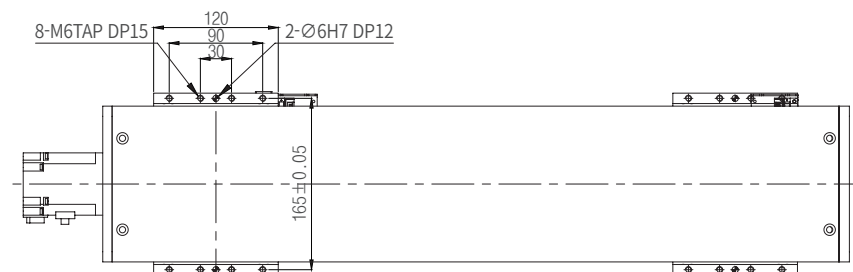
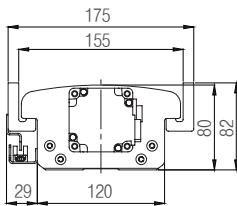
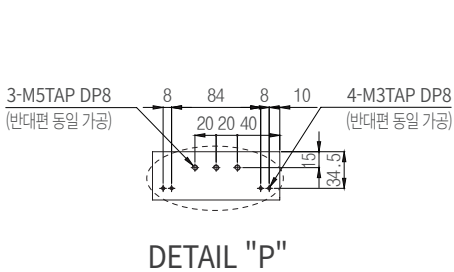
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( ) mm BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	269	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	5.7	6.2	6.8	7.3	7.9	8.4	9	9.5	10	10.5	11.2	11.7	12.2	12.7	13.3	13.8	14.4	14.9	15.5	16	16.3	16.8	17.5	18	18.7	19.2



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD	120	-	R	A	-	200	N	05 - 0500 - C

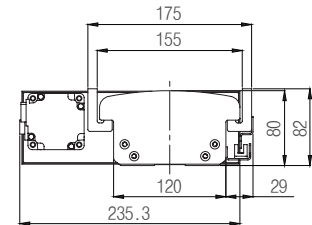
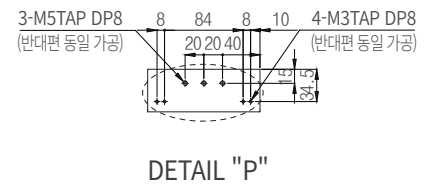
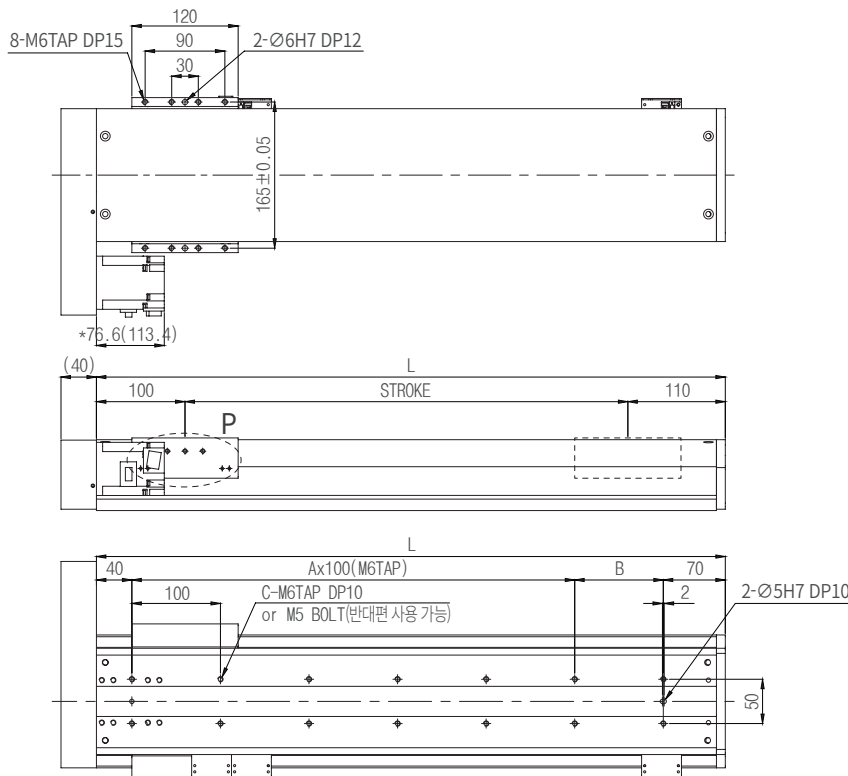
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

## • Allowable Overhung Load

Static Admissible State (N-m)	MPO	MYO	MRO
	705	593	195



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. (.)mm BRAKE Motor dimension  
 3. 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	6	6.5	7.1	7.6	8.2	8.7	9.3	9.8	10.3	10.8	11.5	12	12.5	13	13.6	14.1	14.7	15.2	15.8	16.3	16.6	17.1	17.8	18.3	19	19.5



URD120-LA-200N05-0500-C  
Base width 120mm, Ball Screw type

**URD** | 120-L

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URD 120 - L</b>		<b>A</b>	<b>- 200</b>		<b>N</b>	<b>05 - 0500 -</b>	<b>C</b>	

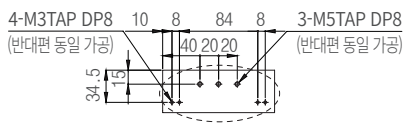
S: Straight type    A: Standard type    200W,400W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

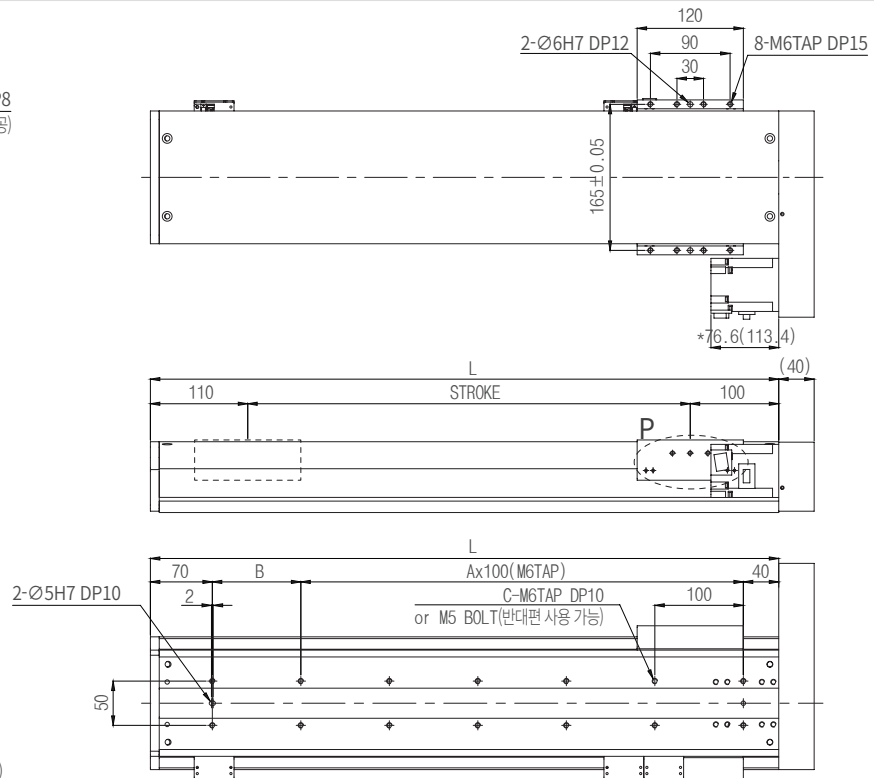
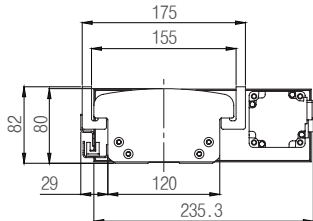
Input Motor (W)	200(400)				
LM Guide	No.15 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	40(80)	35(70)	25(50)	10(20)
	Vertical	30(50)	16(33)	7(16)	3(8)

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



DETAIL "P"



\*NOTE\*

- Motor: Mitsubishi servo motor J4 series
- ( )mm BRAKE Motor dimension
- 400W Motor NO-BRAKE (98.3 mm) BRAKE(135.1 mm)

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	220	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	440	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	880	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1320	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	6	6.5	7.1	7.6	8.2	8.7	9.3	9.8	10.3	10.8	11.5	12	12.5	13	13.6	14.1	14.7	15.2	15.8	16.3	16.6	17.1	17.8	18.3	19	19.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD	140	-	S	A	-	400	N	05 - 0500 - C

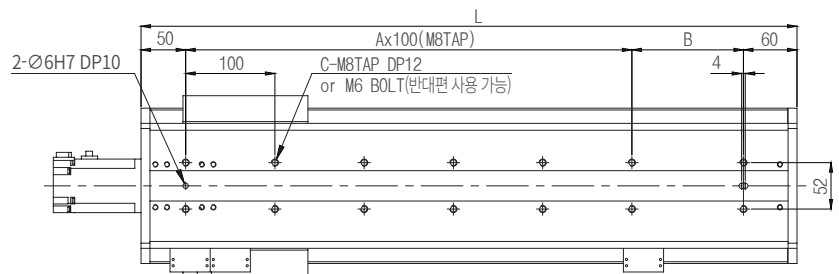
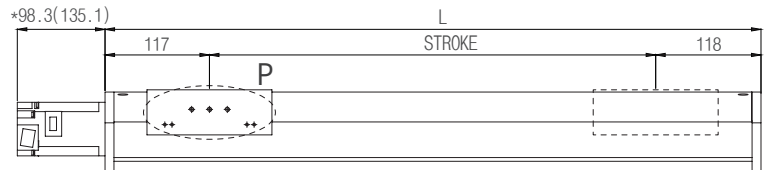
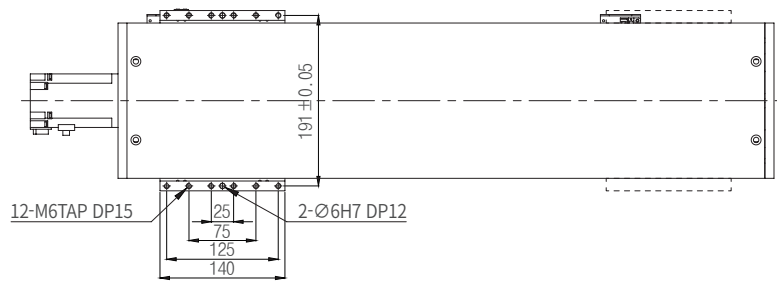
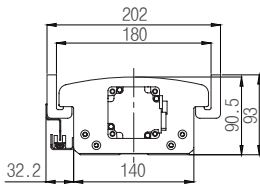
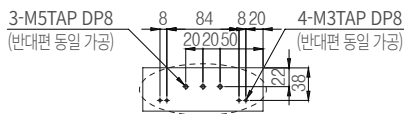
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	Mp0	My0	Mr0
	1133	945	268



**\*NOTE\***

1. Motor: Mitsubishi servo motor J4 series
2. ( )mm BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450
Weight (kg)	7.7	8.5	9.3	10.1	11	11.8	12.6	13.4	14.2	15.1	15.8	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.2	24	24.8	25.6	26.4	27.3	28.1



URD140-RA-400N05-0500-C  
Base width 140mm, Ball Screw type

**URD** | 140-R

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URD 140 - R</b>			<b>A</b>	<b>400</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

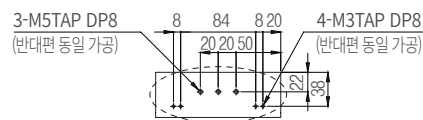
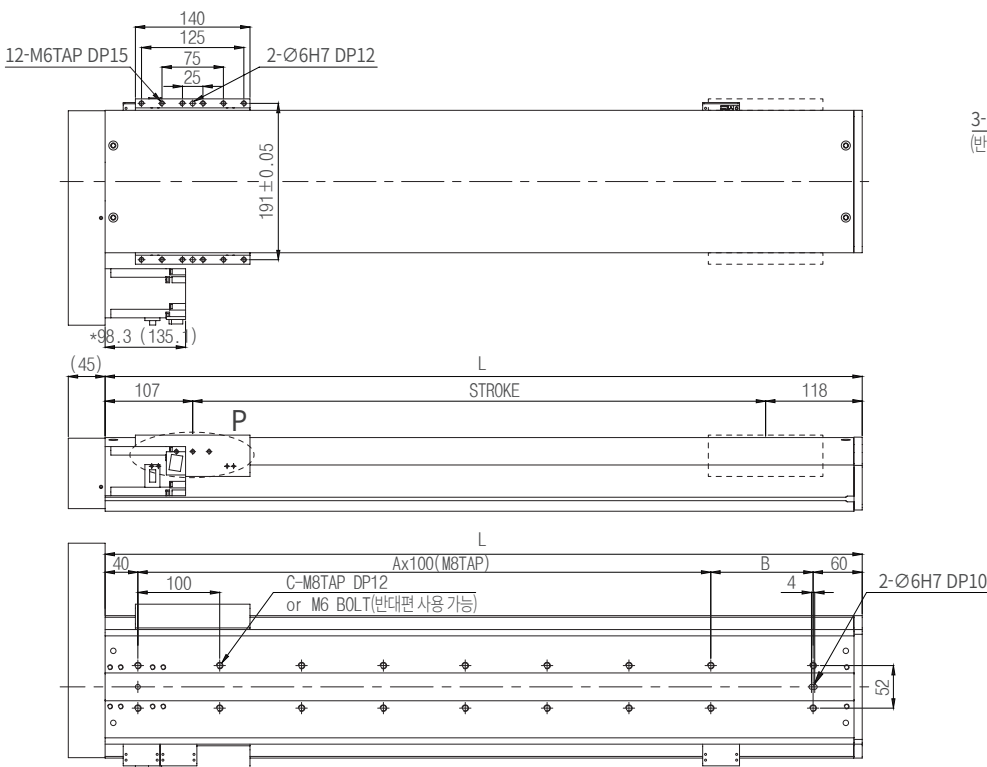
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

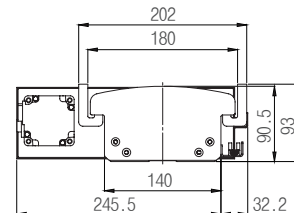
Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



DETAIL "P"



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( )mm BRAKE Motor dimension

• **Stroke, Dimension & Velocity**

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	8	8.8	9.6	10.4	11.2	12.1	12.9	13.7	14.5	15.4	16.2	17	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.6	24.4	25.2	26	26.8	27.7	28.5



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD	140	-	L	A	-	400	N	05 - 0500 - C

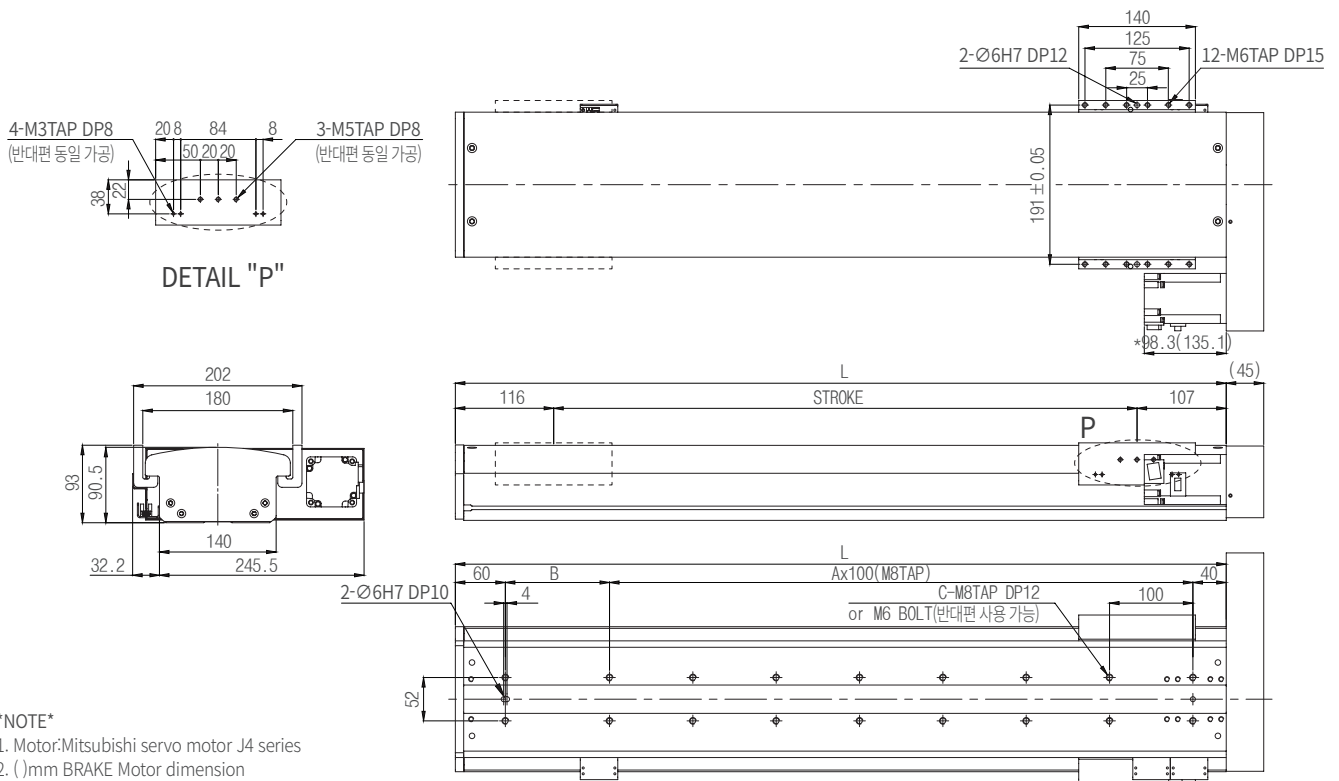
S: Straight type    A: Standard type    400W,750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

## • Specification

Input Motor (W)	400				
LM Guide	No.20 (2Rail 4Block)				
Ball Screw size	Ø15				
Ball Screw lead (mm)	05	10	20	30	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	80	70	50	20
	Vertical	50	33	16	8

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
A	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
B	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125
C	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
Max speed (mm/s)	1505	150	175	200	250	250	250	250	250	250	250	250	240	210	190	180	155	140	130	120	110	105	90	80	75	65
	1510	300	350	400	500	500	500	500	500	500	500	500	480	420	380	360	310	280	260	240	220	210	180	160	150	130
	1520	600	700	800	1000	1000	1000	1000	1000	1000	1000	1000	960	840	760	720	620	560	520	480	440	420	360	320	300	260
	1530	900	1050	1200	1500	1500	1500	1500	1500	1500	1500	1500	1440	1260	1140	1080	930	840	780	720	660	630	540	480	450	390
Weight (kg)	8	8.8	9.6	10.4	11.2	12.1	12.9	13.7	14.5	15.4	16.2	17	17.8	18.6	19.5	20.3	21.1	21.9	22.7	23.6	24.4	25.2	26	26.8	27.7	28.5



URD180-SA-750N05-0500-C  
Base width 180mm, Ball Screw type

**URD** | 180-S

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URD 180 - S</b>			<b>A</b>	<b>750</b>	<b>N</b>	<b>05</b>	<b>0500</b>	<b>C</b>

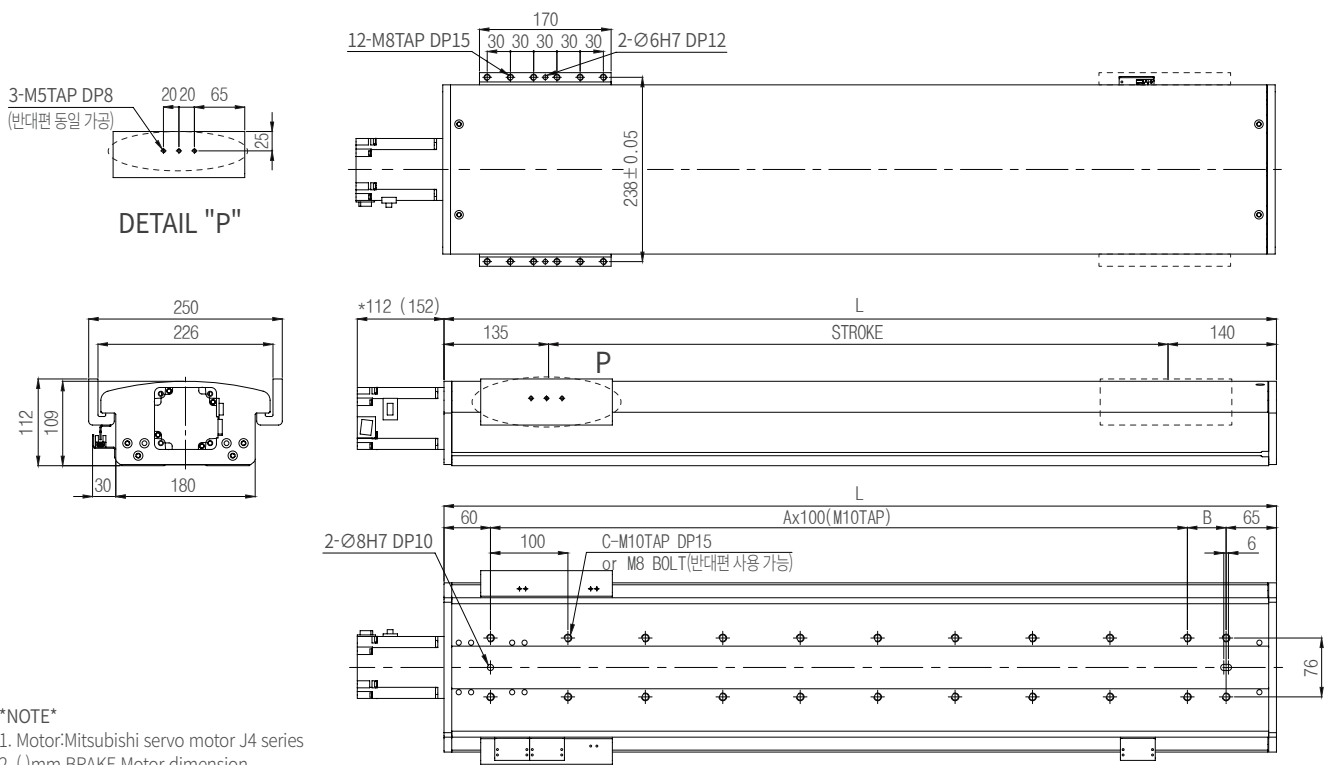
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

• **Allowable Overhung Load**

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



• **Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1575	1625	1675	1725	1775
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	19	20.2	21.6	22.7	23.9	25.1	26.3	27.6	28.9	30.1	31.4	32.6	33.8	35.1	36.3	37.6	38.8	40	41.2	42.5	43.7	44.9	46.2	47.4	48.6	49.8



Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
URD	180	- R	A	- 750	N	05	- 0500	- C

S: Straight type      A: Standard type      750W      N: No-Brake type      C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type      B: Customized type      B: Brake type  
 R: Right parallel type  
 G: Guide axis

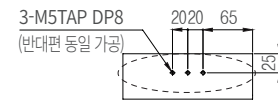
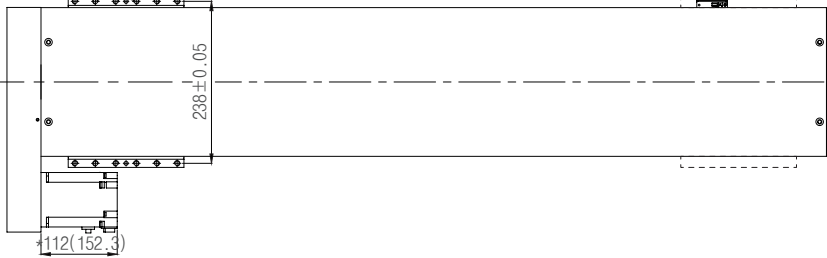
## • Specification

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

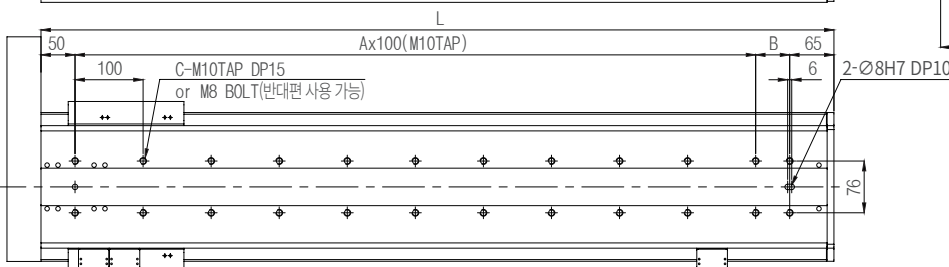
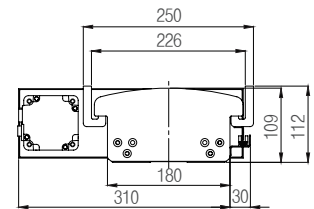
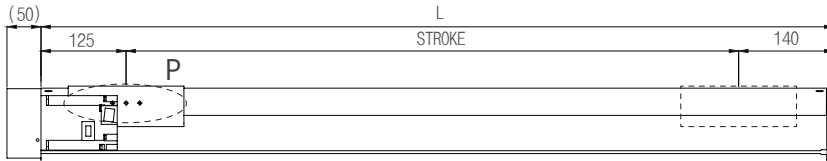
## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658

170  
12-M8TAP DP15      2-Ø6H7 DP12



DETAIL "P"



\*NOTE\*  
 1. Motor: Mitsubishi servo motor J4 series  
 2. ( )mm BRAKE Motor dimension

## • Stroke, Dimension & Velocity

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	20	21.2	22.5	23.7	24.9	26.1	27.4	28.6	29.9	31.1	32.4	33.6	34.8	36.1	37.3	38.5	39.8	41	42.2	43.5	44.7	45.9	47.2	48.4	49.6	50.8





URD180-LA-750N05-0500-C  
Base width 180mm, Ball Screw type

**URD** | 180-L

Model	Base width	Type1	Type2	Motor power	Motor type	Lead	Stroke	Option
<b>URD 180 - L</b>		<b>A</b>	<b>- 750</b>		<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>

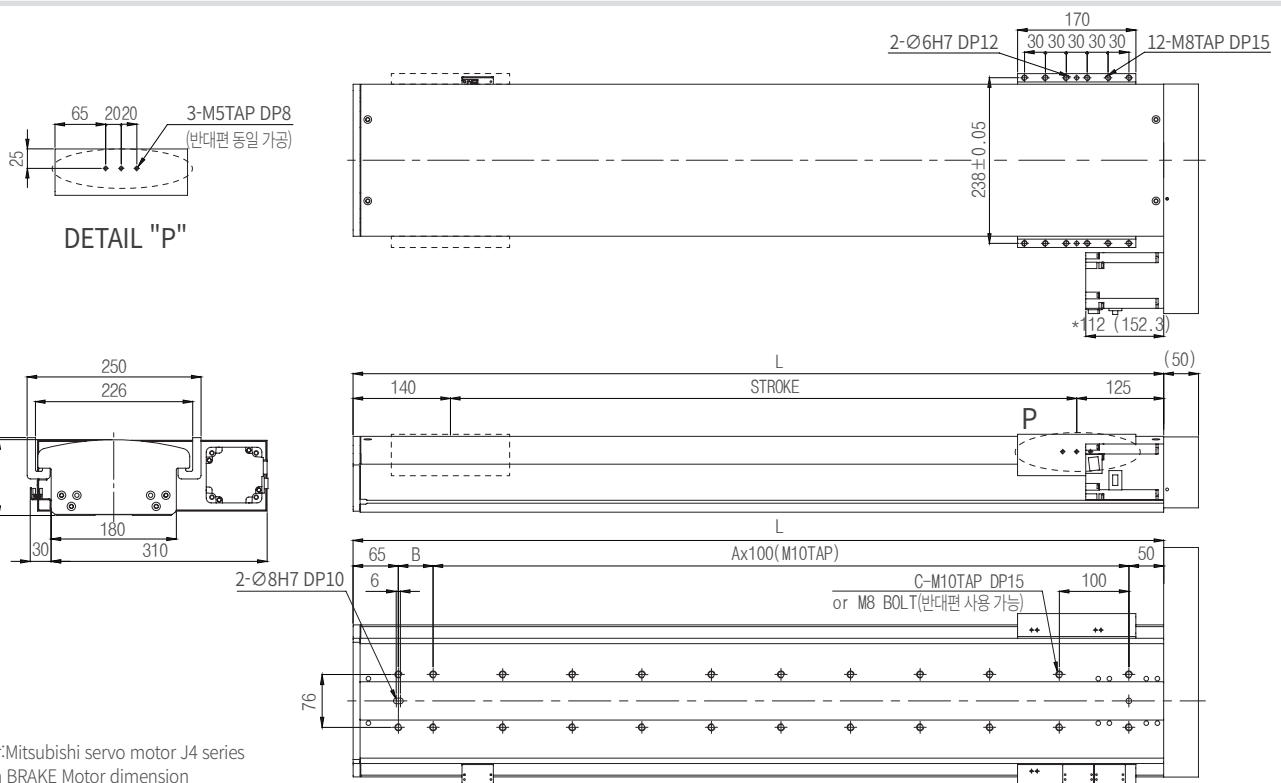
S: Straight type    A: Standard type    750W    N: No-Brake type    C: OutSide 3 Sensors (Customized)Option (Page 69 참조)  
 L: Left parallel type    B: Customized type    B: Brake type  
 R: Right parallel type  
 G: Guide axis

• **Specification**

Input Motor (W)	750				
LM Guide	No.25 (2Rail 4Block)				
Ball Screw size	Ø20 (Ø25)				
Ball Screw lead (mm)	05	10	20(25)	40(50)	
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	
Maximum load capacity (kgf)	Horizontal	150	130	100	35
	Vertical	90	70	35	12

• **Allowable Overhung Load**

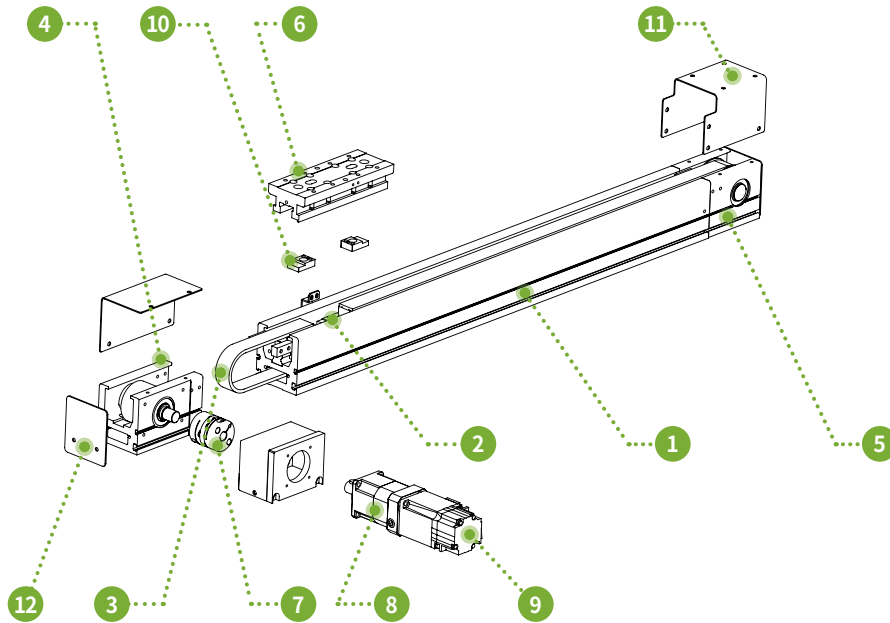
Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



• **Stroke, Dimension & Velocity**

Stroke	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765
A	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36
Max speed (mm/s)	2005	250	250	250	250	250	250	250	250	250	240	215	190	175	165	150	140	130	120	105	90	80	70	60	50	40
	2010	500	500	500	500	500	500	500	500	500	480	430	380	350	330	300	280	260	240	210	180	160	140	120	100	80
	2020	1000	1000	1000	1000	1000	1000	1000	1000	1000	960	860	760	700	660	600	560	520	480	420	360	320	280	240	200	160
	2040	2000	2000	2000	2000	2000	2000	2000	2000	2000	1920	1720	1520	1400	1320	1200	1120	1040	960	840	720	640	560	480	400	320
Weight (kg)	20	21.2	22.5	23.7	24.9	26.1	27.4	28.6	29.9	31.1	32.4	33.6	34.8	36.1	37.3	38.5	39.8	41	42.2	43.5	44.7	45.9	47.2	48.4	49.6	50.8

# URB Series



- |                                |                         |                 |
|--------------------------------|-------------------------|-----------------|
| ① Base                         | ⑤ Bearing Housing(Free) | ⑨ Motor         |
| ② LM Guide                     | ⑥ Slider                | ⑩ Belt Rack     |
| ③ Belt                         | ⑦ Coupling              | ⑪ Bearing Cover |
| ④ Reducer Bearing Housing(Fix) | ⑧ Reducer               | ⑫ End Cover     |

## • Features

### > 고강성 & 컴팩트 구조

정적응력분석 활용 | 공간활용 최적화 | 더 좁은 베이스 폭과 길이로 동일 성능 구현

### > 설계표준화로 설계 편의성 제공

### > 소음 최적화 설계 (저소음&저주파)

### > Ball Screw 적용이 어려운 2,000mm 이상의 Stroke에서도 안정적 구동

### > Stroke에 상관없이 일정한 속도 구현

### > 유지보수 편의성 증대

## • Notes

### > 평탄도

· 로봇 하단 기준면에서 슬라이더 상면까지의 평탄도는  $\pm 0.05\text{mm}/1000\text{mm}$  이하입니다.

### > 반복정밀도 & 위치정밀도

· 위치정밀도는 목표 위치와 실제 도달한 위치간의 차이(에러)를 뜻합니다.

· 반복정밀도는 동일한 task를 반복적으로 수행할때 발생하는 차이를 말합니다.



# Model name

Model	Base width	Type1	Type2	Motor		Reduction ratio	Stroke	Option
				power	type			
URB	060	- D	A	- 100	N	05	- 0500	- C

## > Model

URB: Belt

## > Base width

060 / 080 / 100 / 120 / 140 / 180  
(ex. 060=60mm, 180=180mm)

## > Type 1

Motor mounting methods  
C: Left Straight Type  
D: Right Straight Type  
L: Left parallel Type  
R: Right parallel Type  
B: Right Behind Type  
M: Left Behind Type  
G: Guide axis

## > Type 2

Model Type (A: Standard, B: Customized)

## > Motor power

Motor power in watts (ex. 200=200W Motor)  
100 / 200 / 400 / 750

## > Motor type

N: No-Brake type

## > Reduction ratio

Gear reduction ratio. 05 / 08 / 10 (05=5:1, 10=10:1)

## > Stroke

Range of motion in mm (0500=500mm)

## > Option

C: Out Side 3 Sensors (Customized)  
2: 2개 이상의 Slider일 경우 표기 (ex. 2,3,4~)  
B: Black Anodizing  
E: 그리스 외부주유  
F: LM Raydent  
L: 2-LM Block

Series 1

Model width 3

Specifications 4

External dimensions 6

**URB | 060-D**

URB060-DA-200N05-0500-C  
Base width 60mm, Belt type

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB	060	- D	A	- 200	N	05	- 0500	- C

C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)/Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type R: Right parallel type  
 M: Left Behind type B: Right Behind type

**\* Specification**

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 1.7W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500-2000		

**Allowable Overhung Load**

Static Admissible State (N-m)	M <sub>po</sub>	M <sub>yo</sub>	M <sub>bo</sub>
	470	395	85

**\* Stroke, Dimension & Velocity**

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400			
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8			
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140			
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20			
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4			

2 Description

5 Allowable overhung load

7 Stroke, Dimension & Velocity

# URB | 060-C

URB060-CA-200N05-0500-C  
Base width 60mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	C	A	-	200	N	05 - 0500	- C

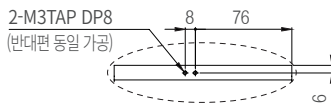
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

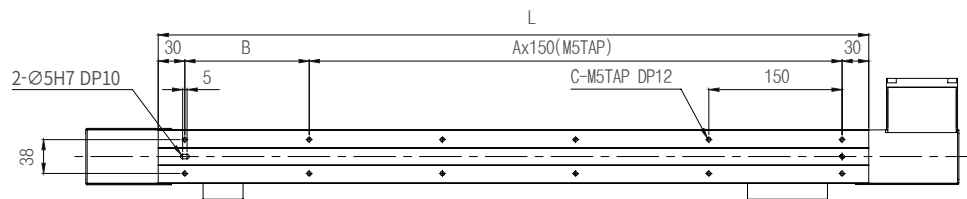
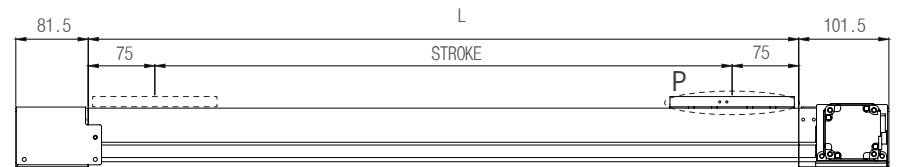
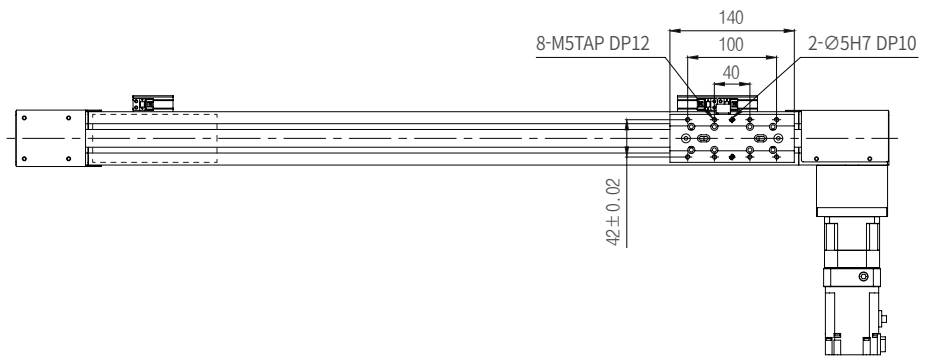
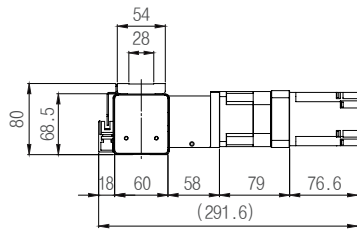
Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4



URB060-DA-200N05-0500-C  
Base width 60mm, Belt type

# URB | 060-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	D	A	-	200	N	05 - 0500	- C

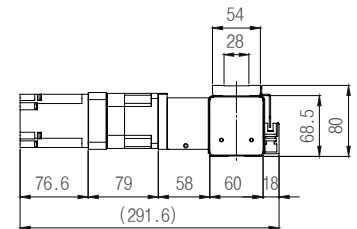
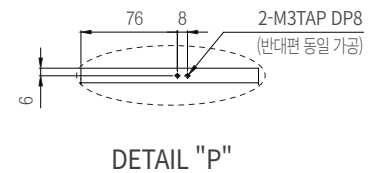
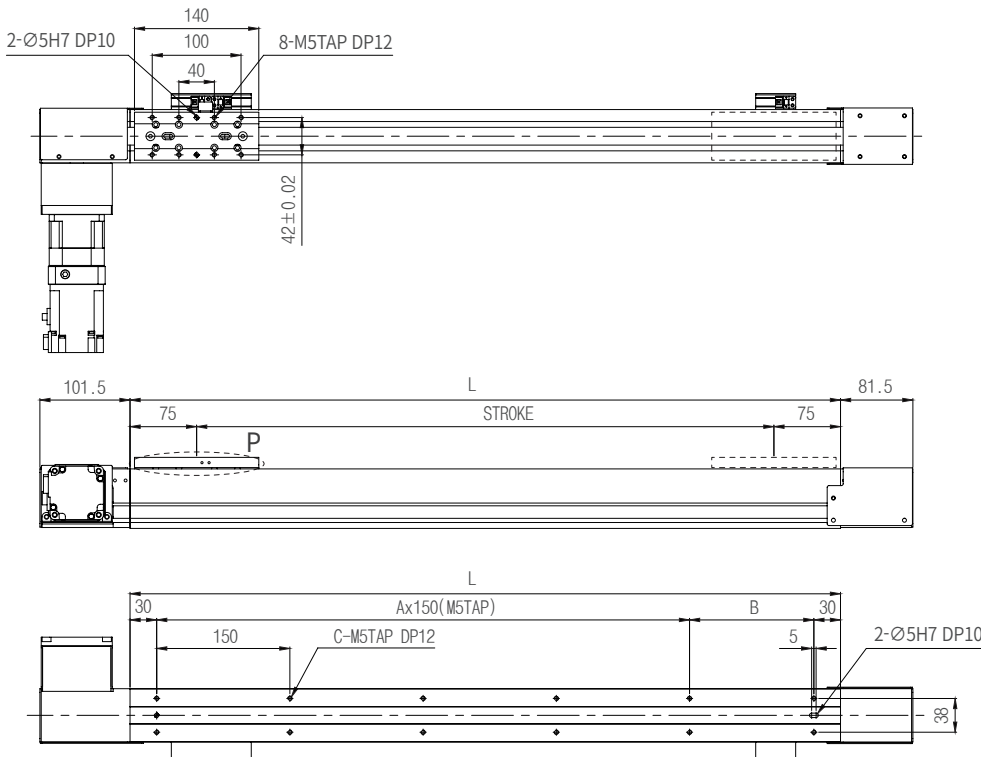
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4

# URB | 060-R

URB060-RA-200N05-0500-C  
Base width 60mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	R	A	-	200	N	05 - 0500	- C

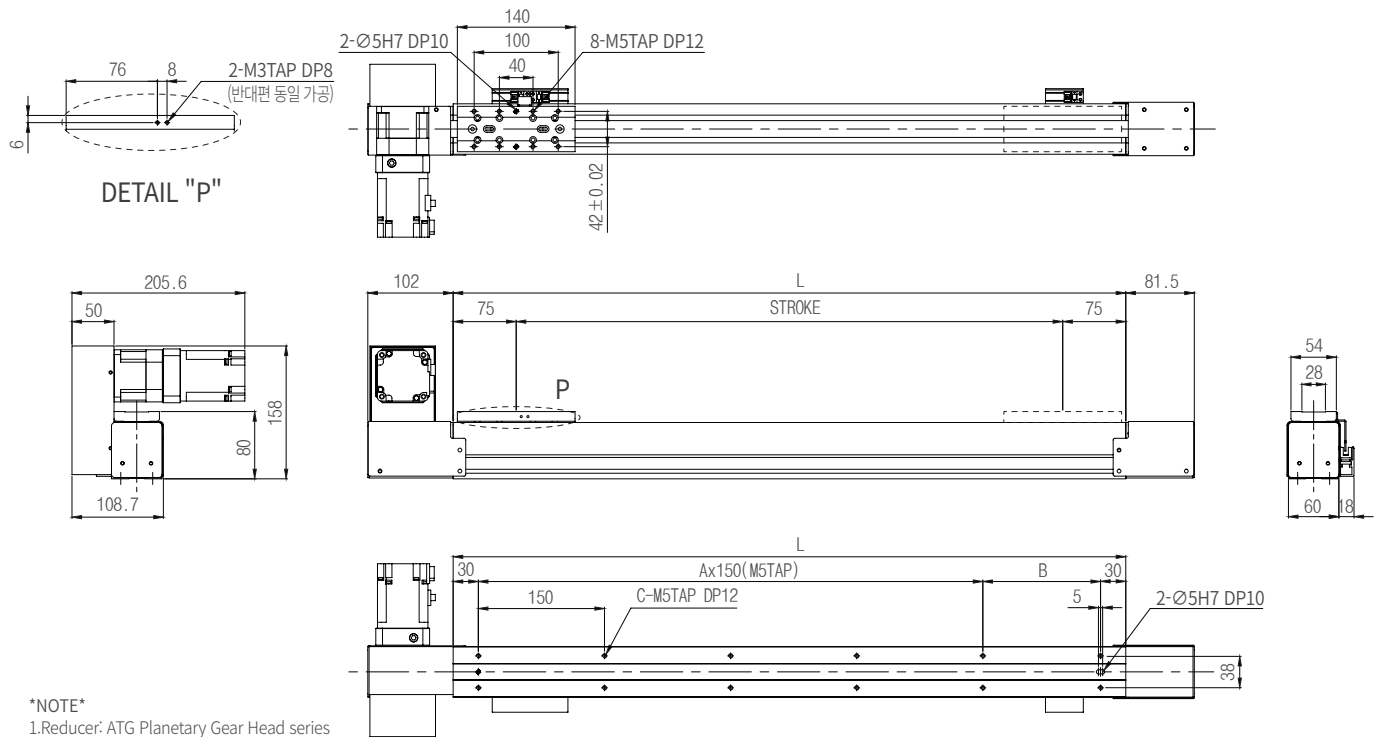
C: Left straight type    A: Standard type    200W    N: No-Brake type    05/08/10    C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type    B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4



URB060-LA-200N05-0500-C  
Base width 60mm, Belt type

# URB | 060-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	L	A	-	200	N	05	0500 - C

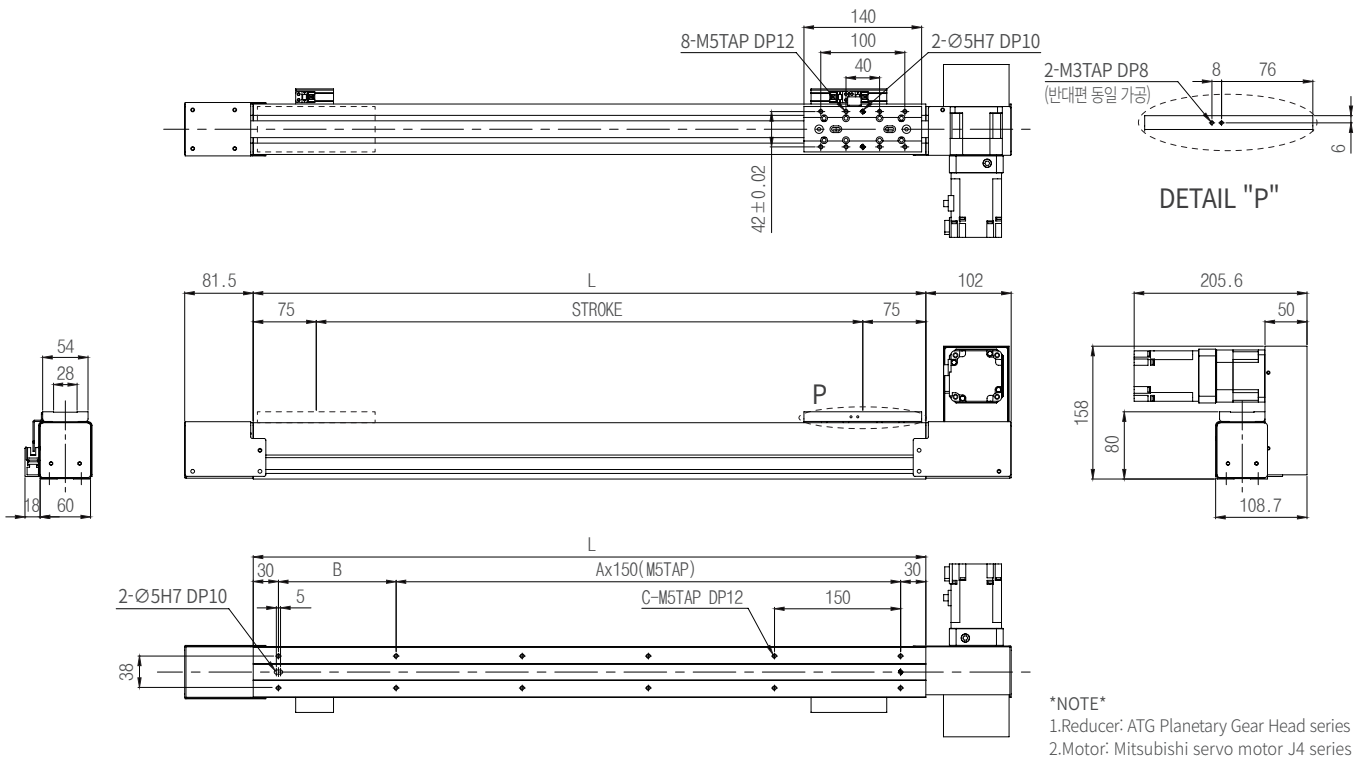
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4

# URB | 060-B

URB060-BA-200N05-0500-C  
Base width 60mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	B	A	-	200	N	05 - 0500	- C

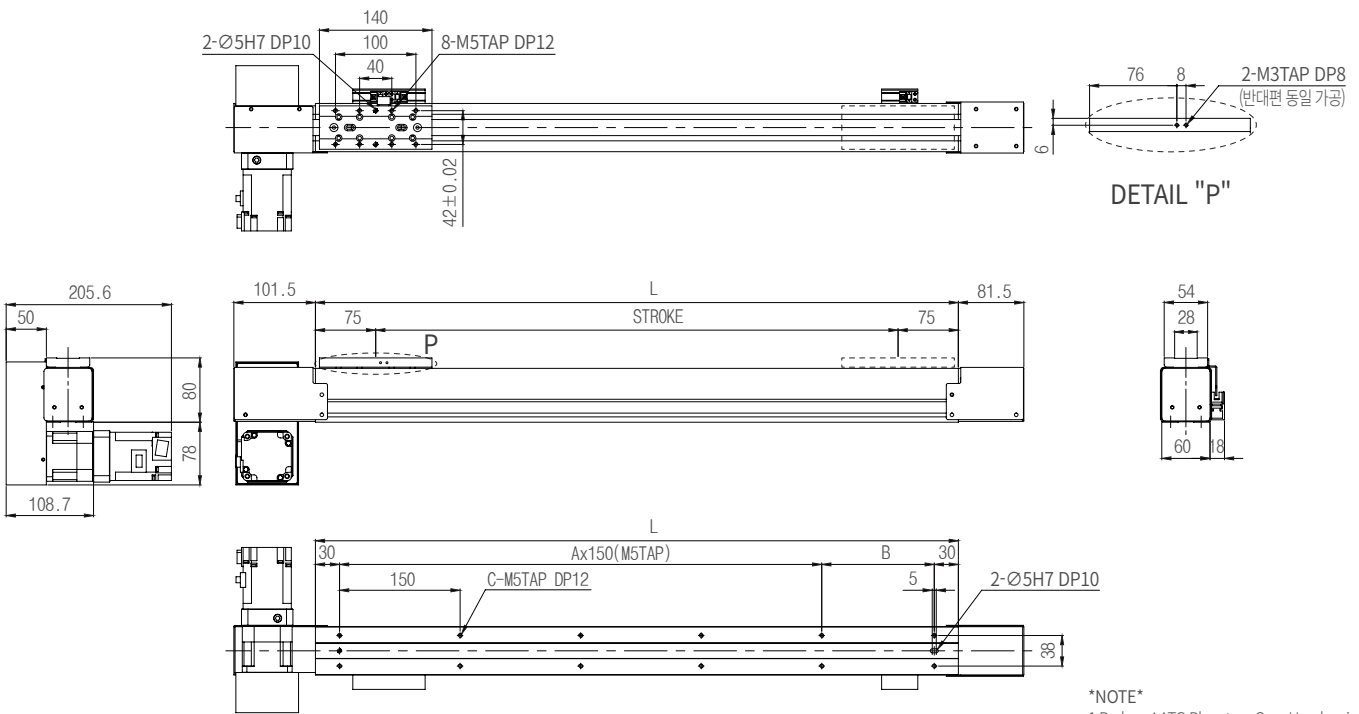
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4





URB060-MA-200N05-0500-C  
Base width 60mm, Belt type

# URB | 060-M

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 060	-	M	A	-	200	N	05 - 0500	- C

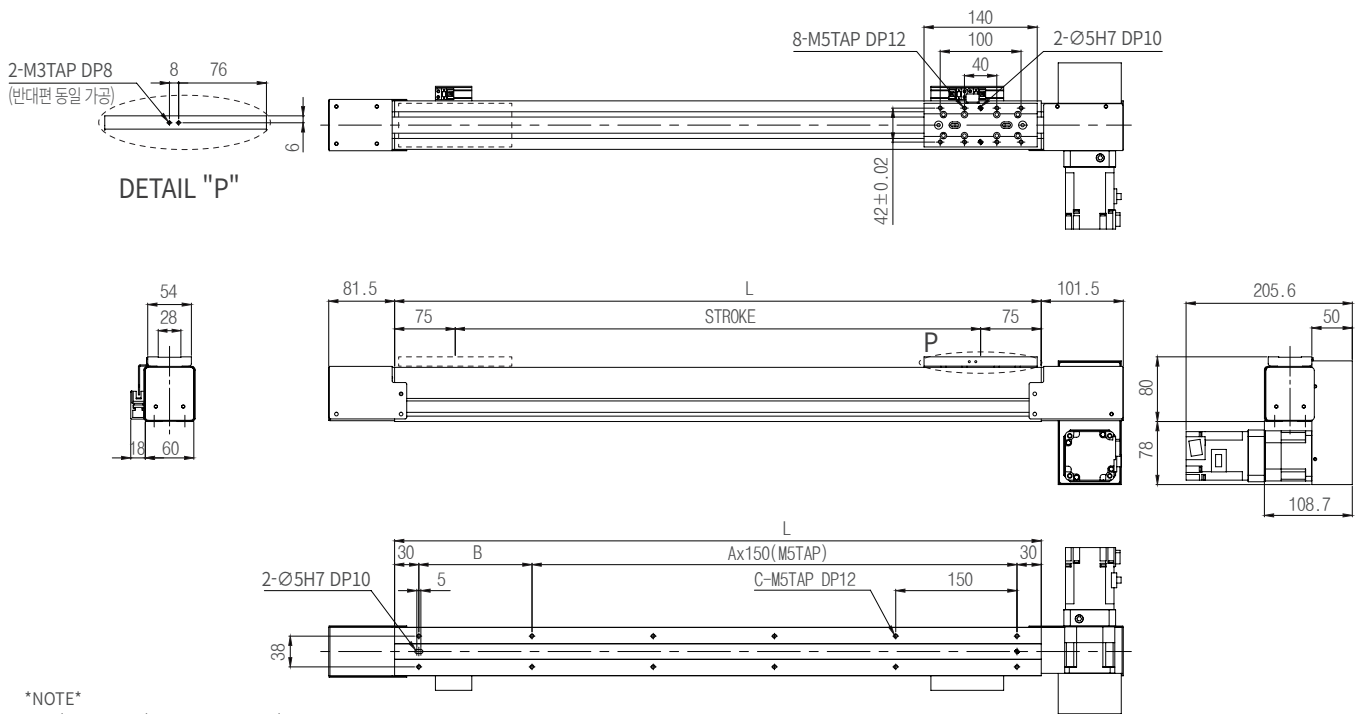
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (1Rail 2Block)		
Driving Spec.	RPP5 Belt 17W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	24	35
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	470	395	85



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
A	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
B	140	40	90	140	40	90	140	40	90	140	40	90	140	40	90	140
C	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20
Weight (kg)	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.7	13	13.4

# URB | 080-C

URB080-CA-200N05-0500-C  
Base width 80mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 080	-	C	A	-	200	N	05 - 0500	- C

C: Left straight type  
D: Right straight type  
L: Left parallel type  
R: Right parallel type  
M: Left Behind type  
B: Right Behind type

A: Standard type  
B: Customized type

200W

N: No-Brake type

05/08/10

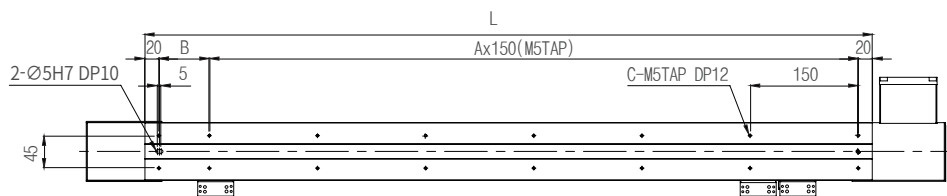
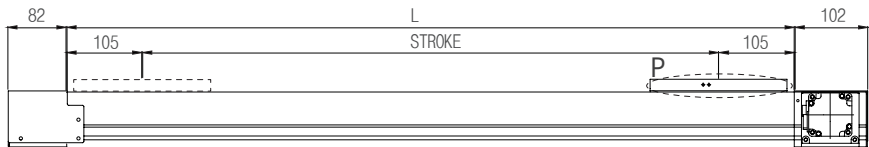
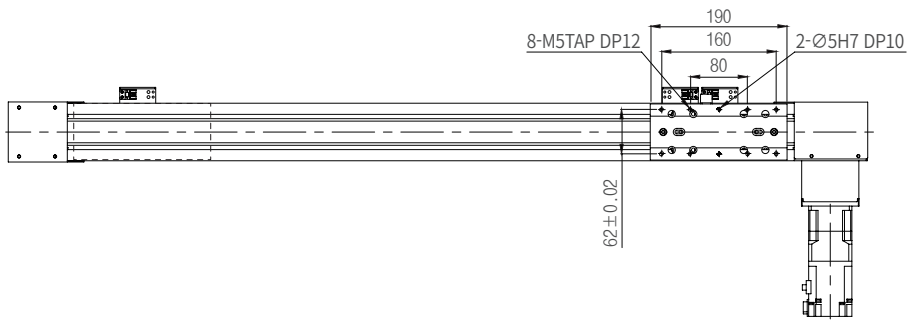
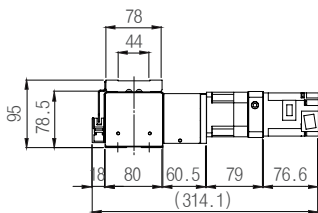
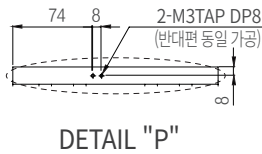
C: OutSide 3 Sensors (Customized)Option (Page 83 참조)

## Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

## Allowable Overhung Load

Static Admissible State (N-m)	MPO	MYO	MRO
	755	630	160



\*NOTE\*  
1.Reducer: ATG Planetary Gear Head series  
2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6



URB080-DA-200N05-0500-C  
Base width 80mm, Belt type

# URB | 080-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 080	-	D	A	-	200	N	05 - 0500	- C

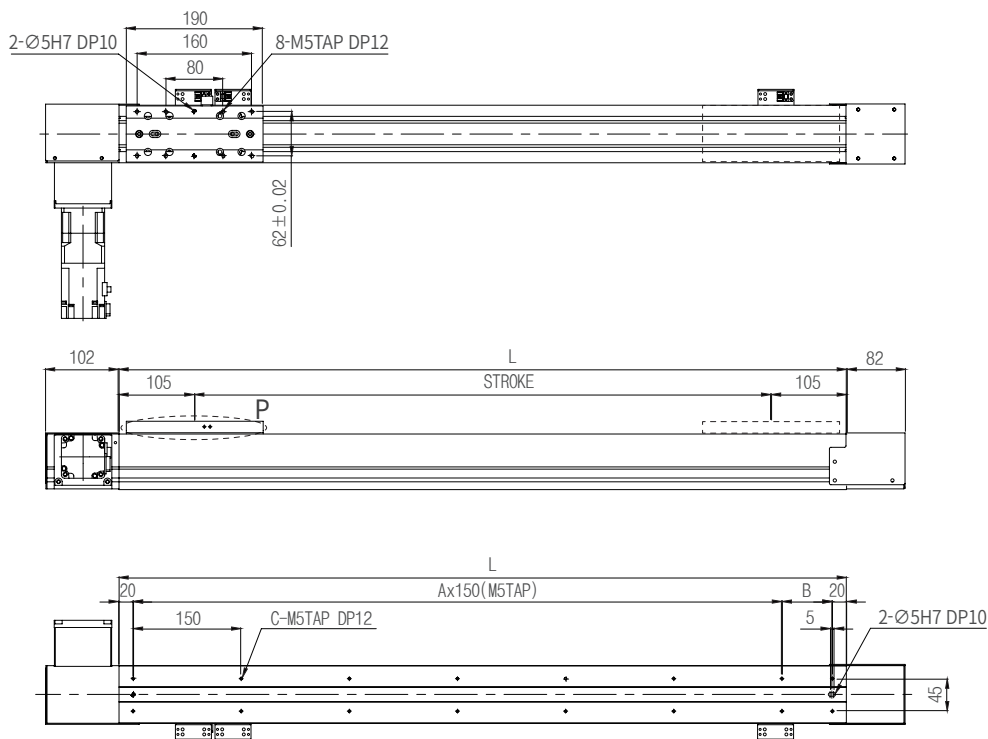
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	755	630	160



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6

# URB | 080-R

URB080-RA-200N05-0500-C  
Base width 80mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 080	-	R	A	-	200	N	05 - 0500	- C

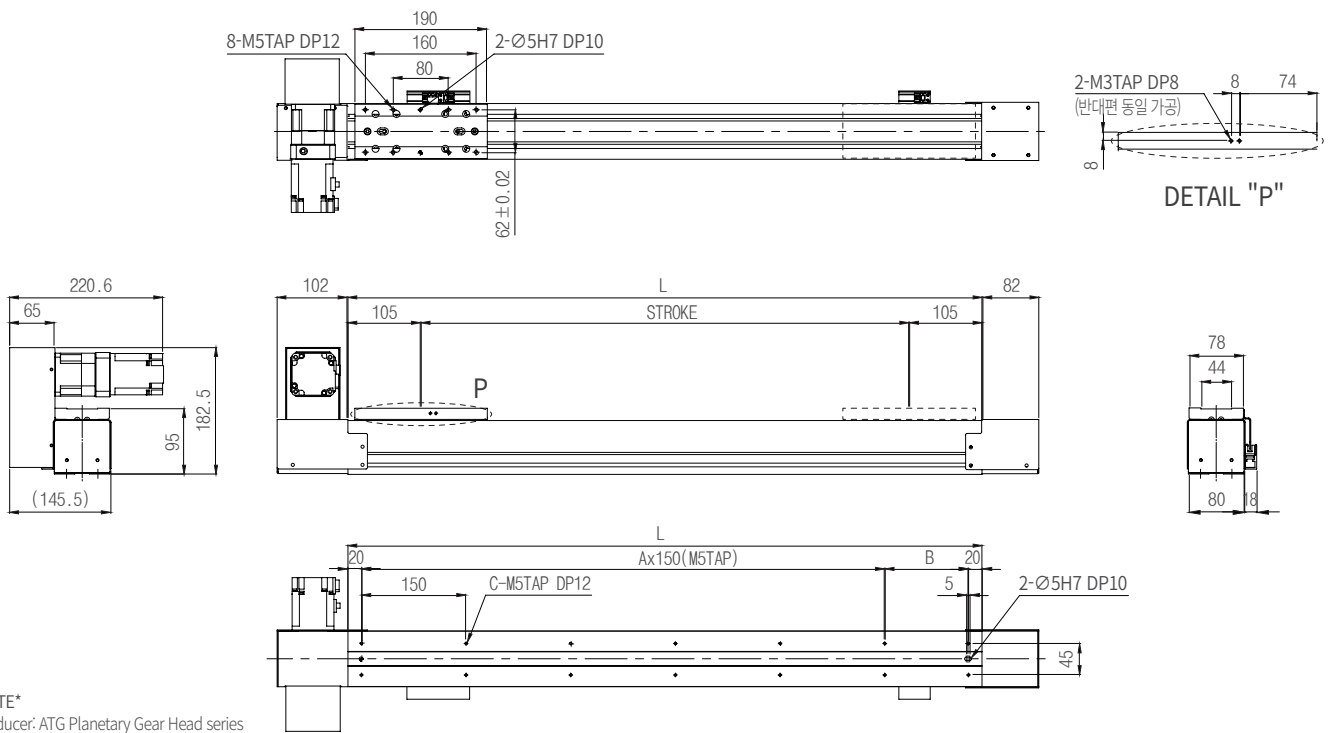
C: Left straight type    A: Standard type    200W    N: No-Brake type    05/08/10    C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type    B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	MPO	MYO	MRO
	755	630	160



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6



URB080-LA-200N05-0500-C  
Base width 80mm, Belt type

# URB | 080-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 080</b>	<b>- L</b>	<b>A</b>	<b>- 200</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

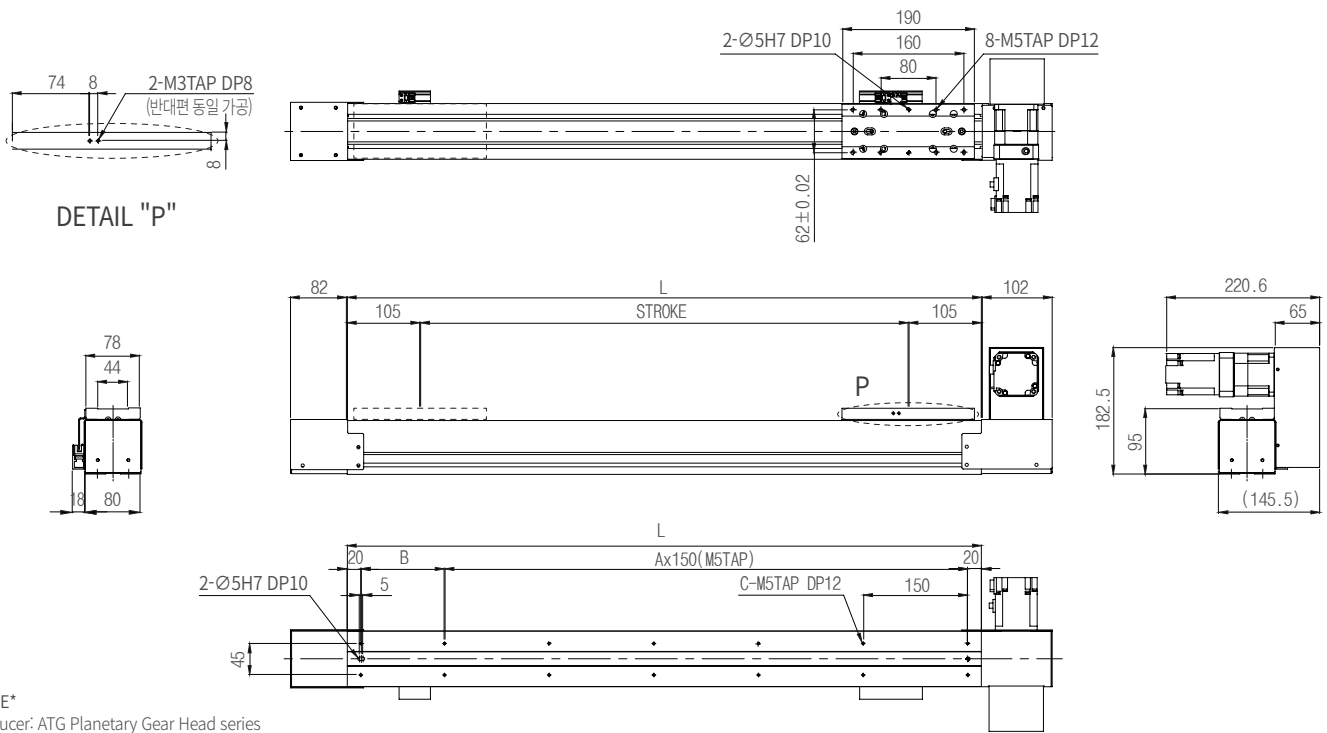
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	755	630	160



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6

# URB | 080-B

URB080-BA-200N05-0500-C  
Base width 80mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 080	-	B	A	-	200	N	05 - 0500	- C

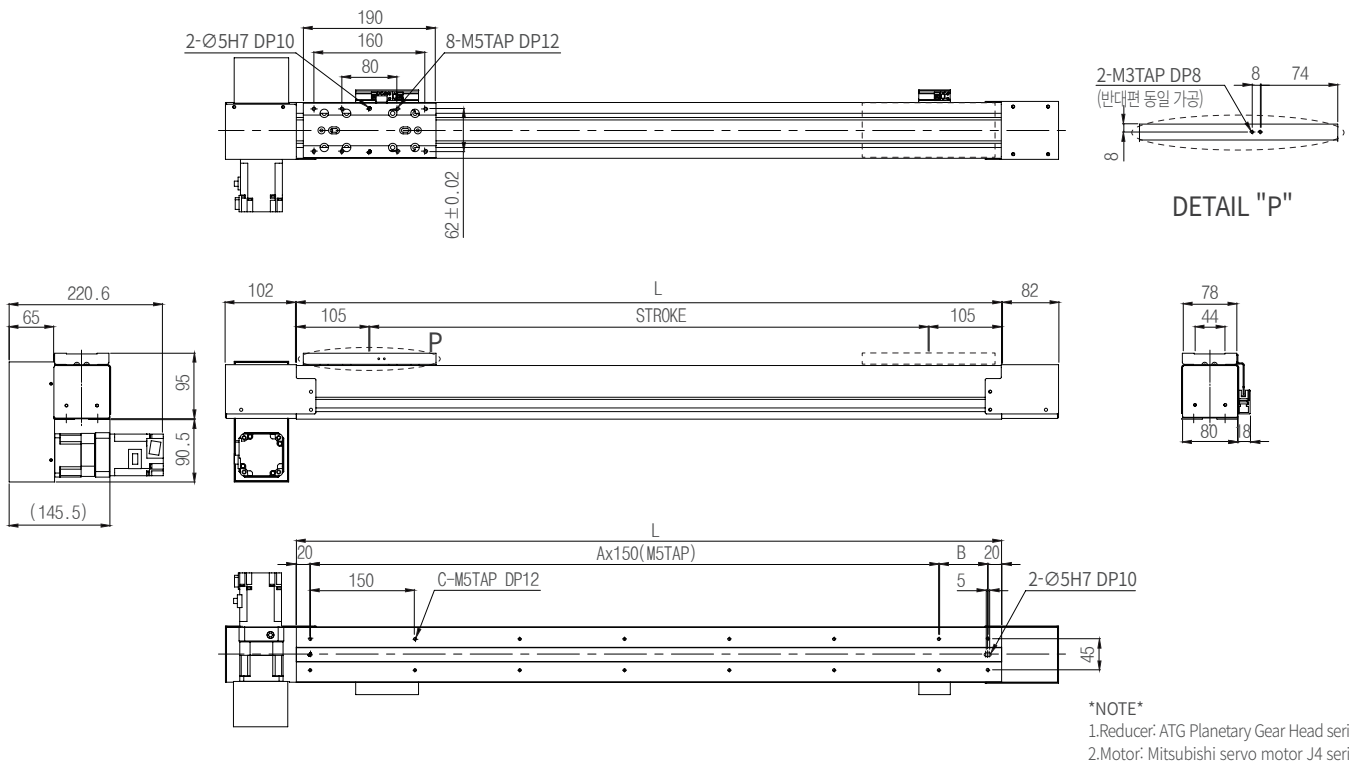
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	755	630	160



## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6



URB080-MA-200N05-0500-C  
Base width 80mm, Belt type

# URB | 080-M

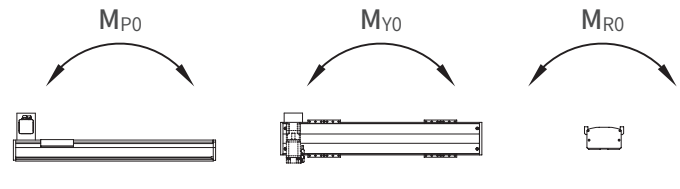
Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 080	-	M	A	-	200	N	05 - 0500	- C

C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

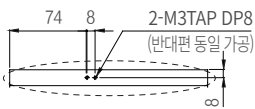
## • Specification

Input Motor (W)	200		
LM Guide	No.20 Flange(1Rail 2Block)		
Driving Spec.	RPP5 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1700	1060	850
Reduction ratio	5:1	8:1	10:1
Payload(kg)	5	22	35
Stroke	500~4000		

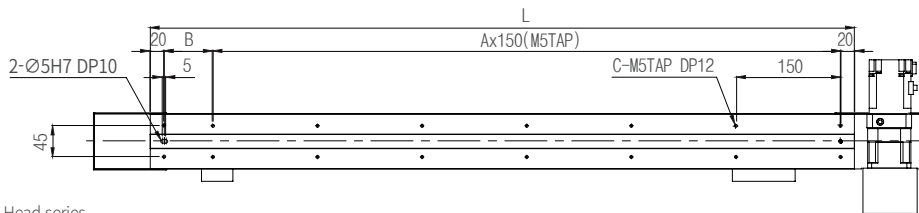
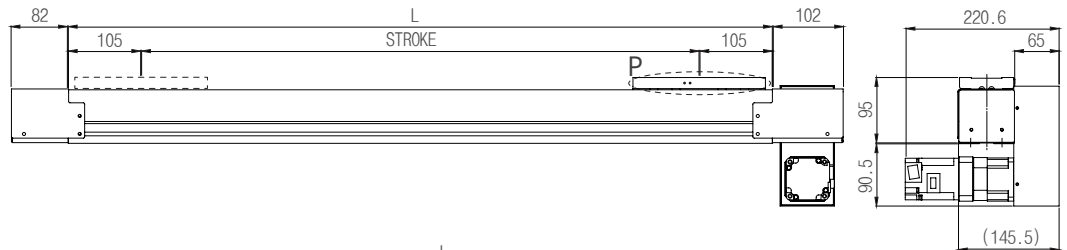
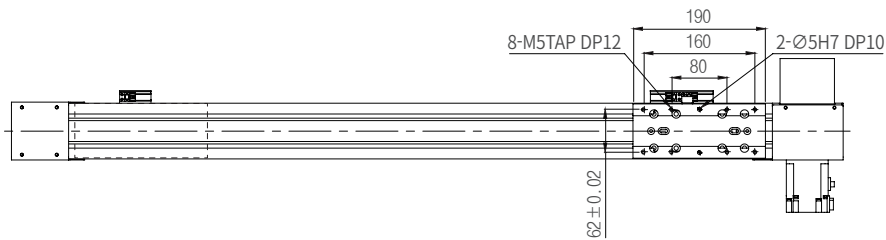
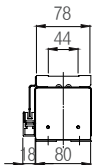
## • Allowable Overhung Load



Static Admissible State (N-m)	MP0	MY0	MR0
	755	630	160



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660
A	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10
B	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120	170	70	120
C	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22	22	22	24	24
Weight (kg)	12.1	12.6	13	13.5	14	14.5	15	15.5	16	16.5	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6

# URB | 100-C

URB100-CA-400N05-0500-C  
Base width 100mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 100	-	C	A	-	400	N	05 - 0500	- C

C: Left straight type  
D: Right straight type  
L: Left parallel type  
R: Right parallel type  
M: Left Behind type  
B: Right Behind type

A: Standard type  
B: Customized type

400W

N: No-Brake type

05/08/10

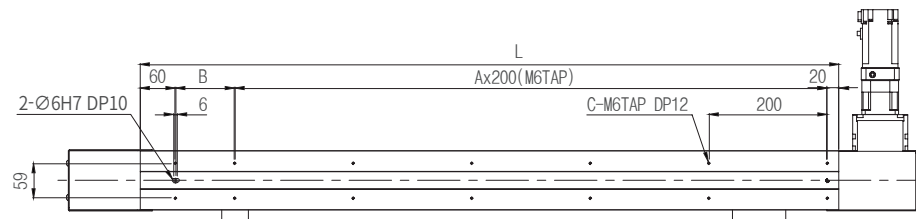
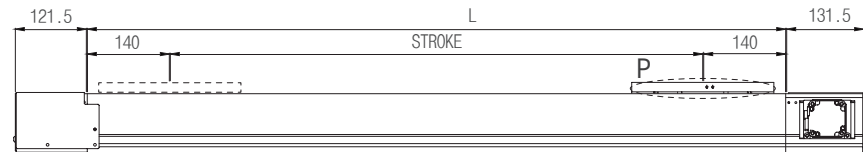
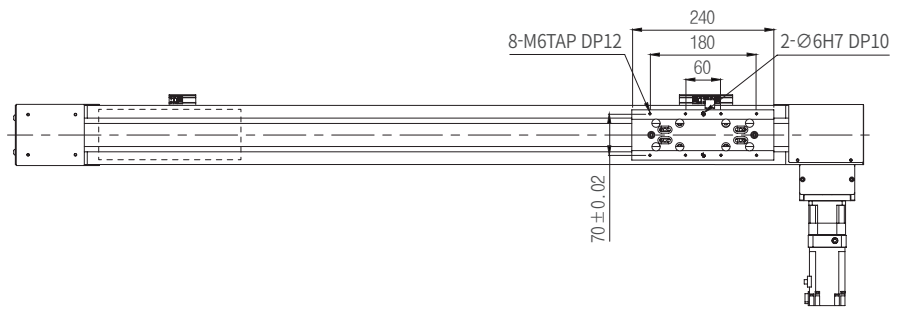
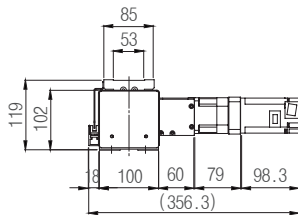
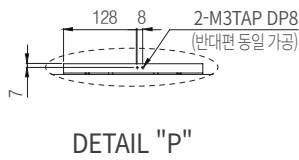
C: OutSide 3 Sensors (Customized)Option (Page 83 참조)

## • Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	27	40
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



\*NOTE\*  
1.Reducer: ATG Planetary Gear Head series  
2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2





URB100-DA-400N05-0500-C  
Base width 100mm, Belt type

# URB | 100-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 100	-	D	A	-	400	N	05	0500 - C

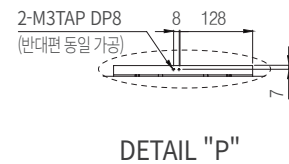
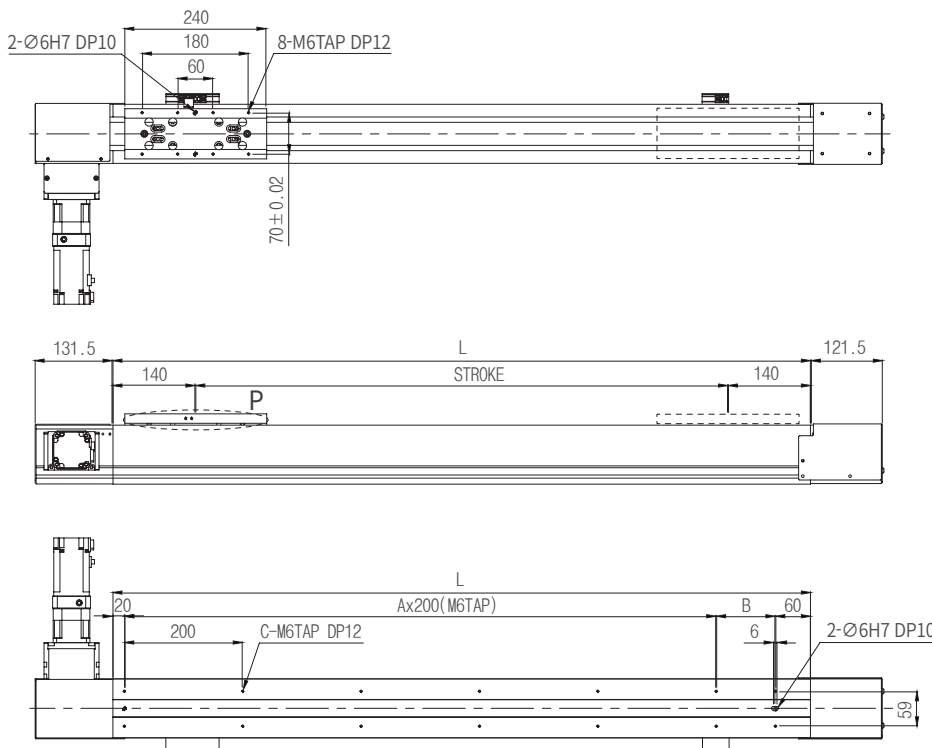
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5:1	8:1	10:1
Payload(kg)	7	27	40
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2

# URB | 100-R

URB100-RA-400N05-0500-C  
Base width 100mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 100	-	R	A	-	400	N	05 - 0500	- C

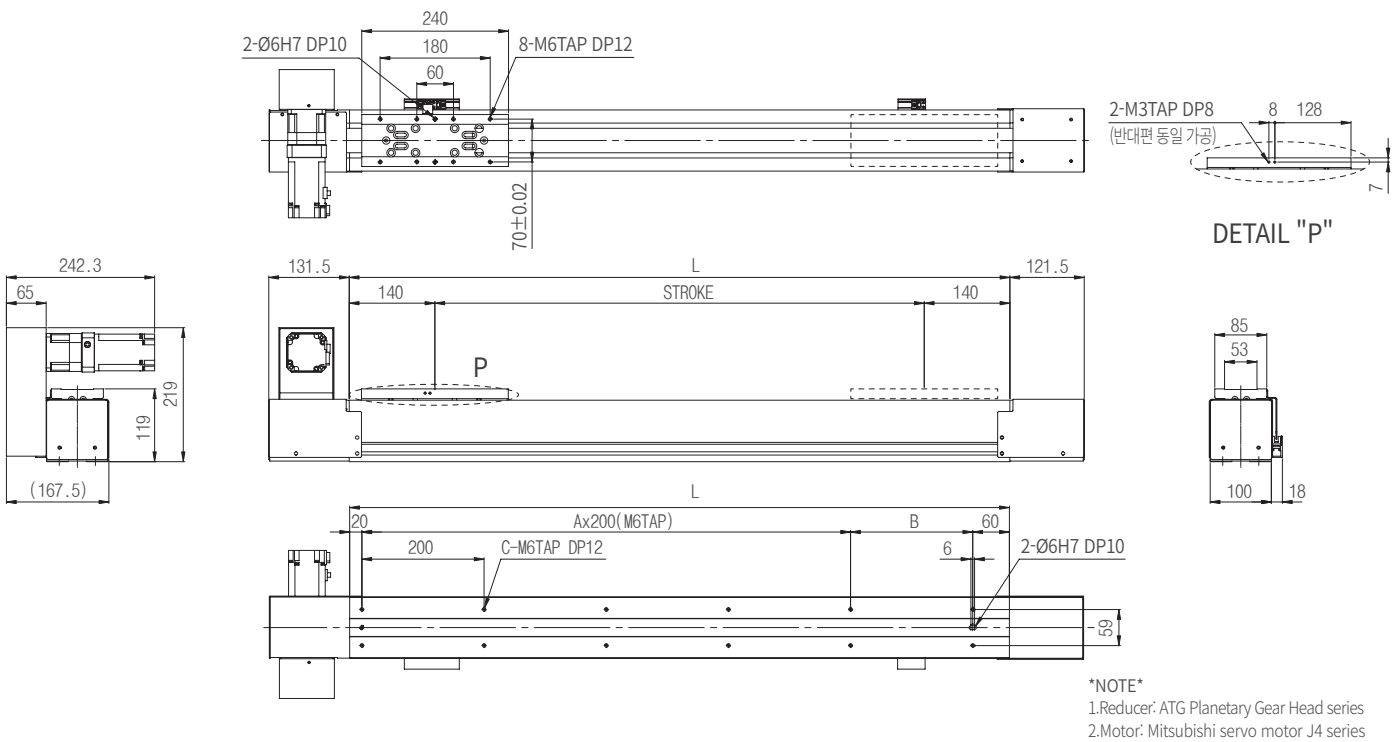
C: Left straight type    A: Standard type    400W    N: No-Brake type    05/08/10    C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type    B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	7	27	40
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2



URB100-LA-400N05-0500-C  
Base width 100mm, Belt type

# URB | 100-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 100	-	L	A	-	400	N	05 - 0500	- C

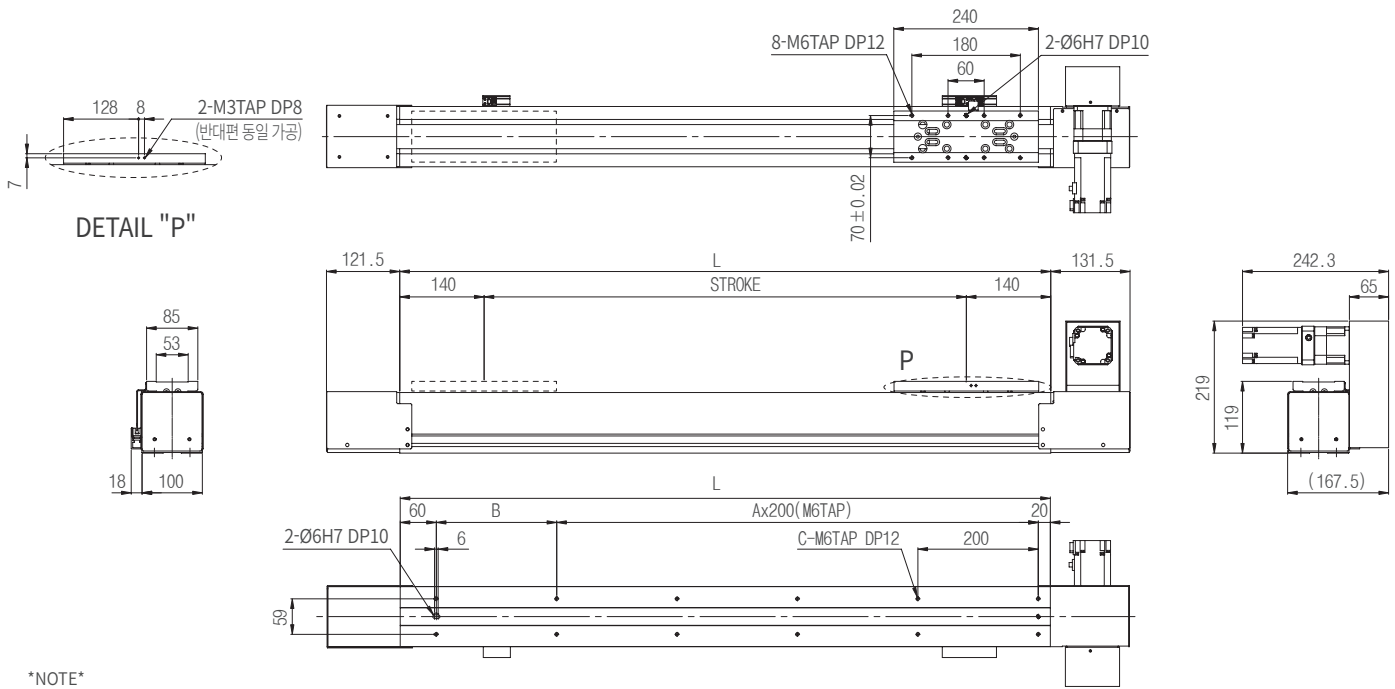
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	7	27	40
Stroke	500~6000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2

# URB | 100-B

URB100-BA-400N05-0500-C  
Base width 100mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 100	-	B	A	-	400	N	05 - 0500	- C

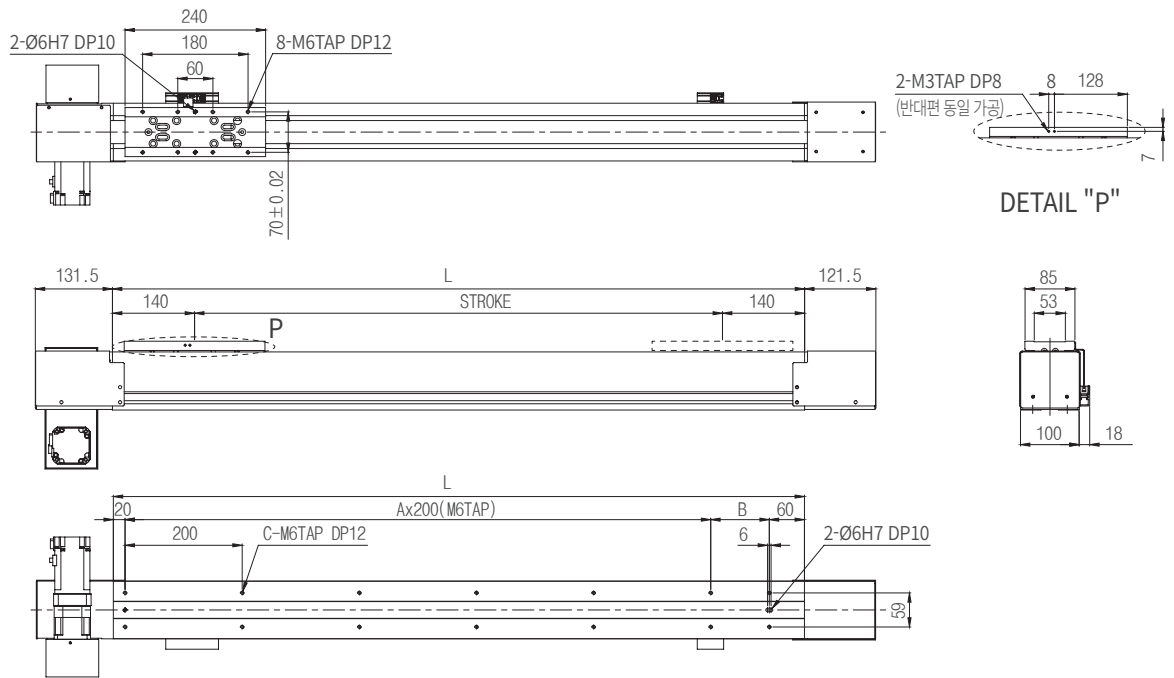
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	7	27	40
Stroke	500~6000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2



URB100-MA-400N05-0500-C  
Base width 100mm, Belt type

# URB | 100-M

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 100</b>	<b>- M</b>	<b>A</b>	<b>- 400</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

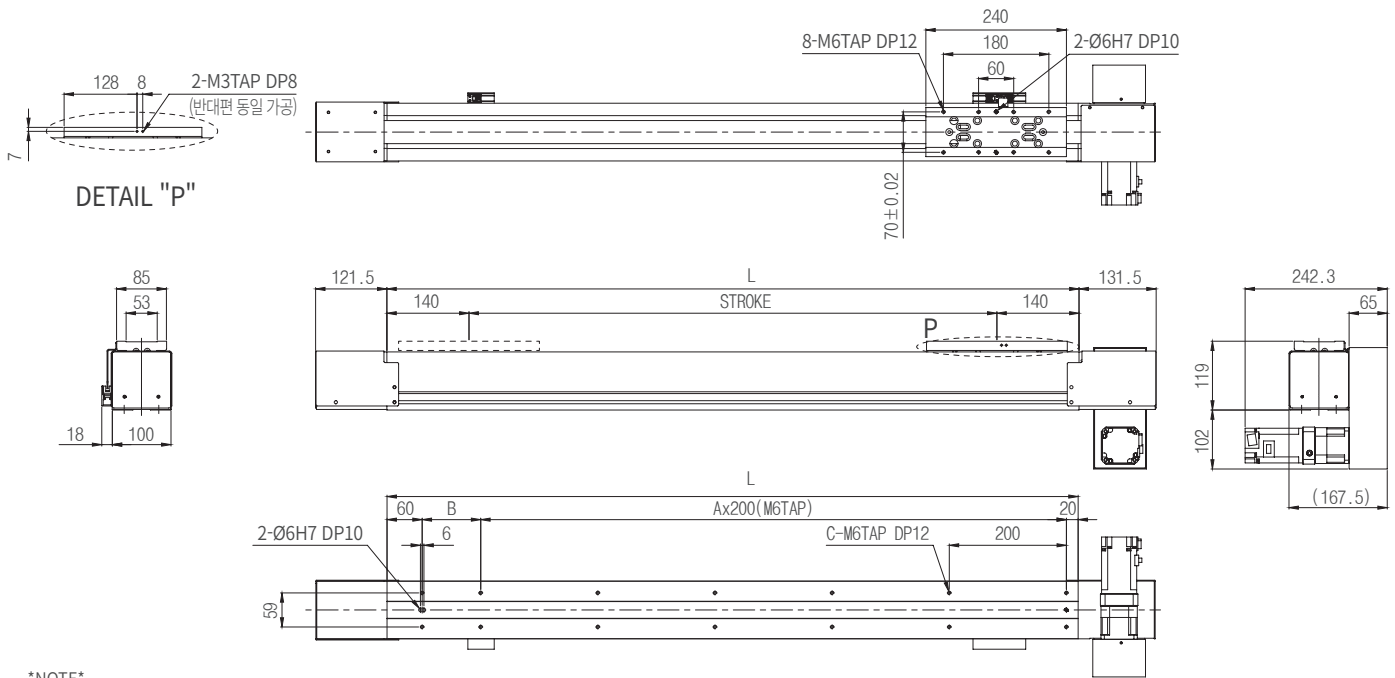
C: Left straight type    A: Standard type    400W    N: No-Brake type    05/08/10    C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type    B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	400		
LM Guide	No.30 (1Rail 2Block)		
Driving Spec.	RPP8 Belt 40W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	2230	1400	1120
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	7	27	40
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2650	2220	520



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.2	38.1	39	39.9	40.8	41.7	42.6	43.5	44.4	45.3	46.2

# URB | 120-C

URB120-CA-200N05-0500-C  
Base width 120mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	C	A	-	200	N	05 - 0500	- C

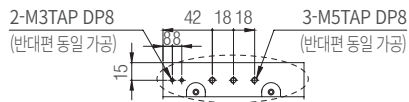
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

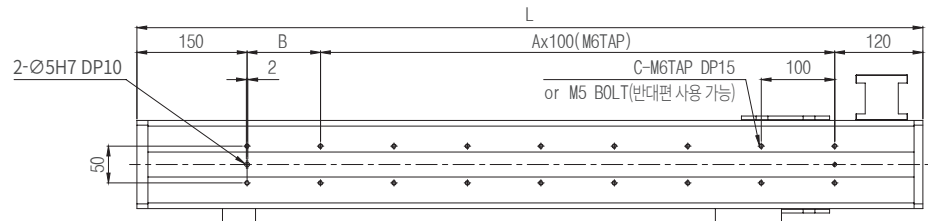
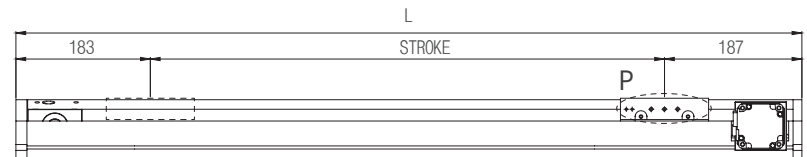
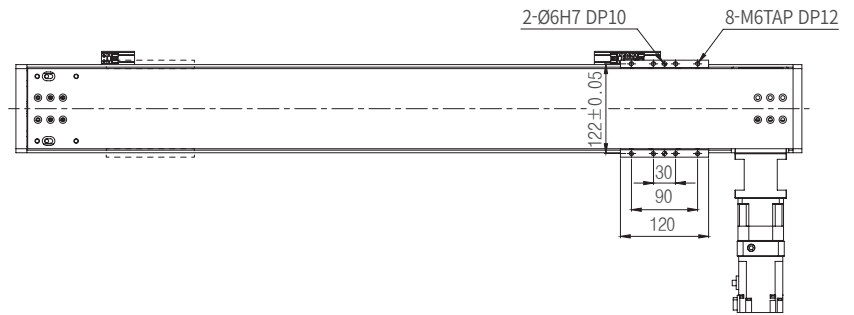
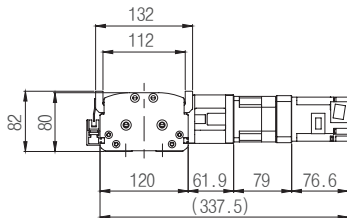
Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	405	593	195



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4



URB120-DA-200N05-0500-C  
Base width 120mm, Belt type

# URB | 120-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	D	A	-	200	N	05	0500 - C

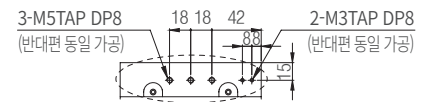
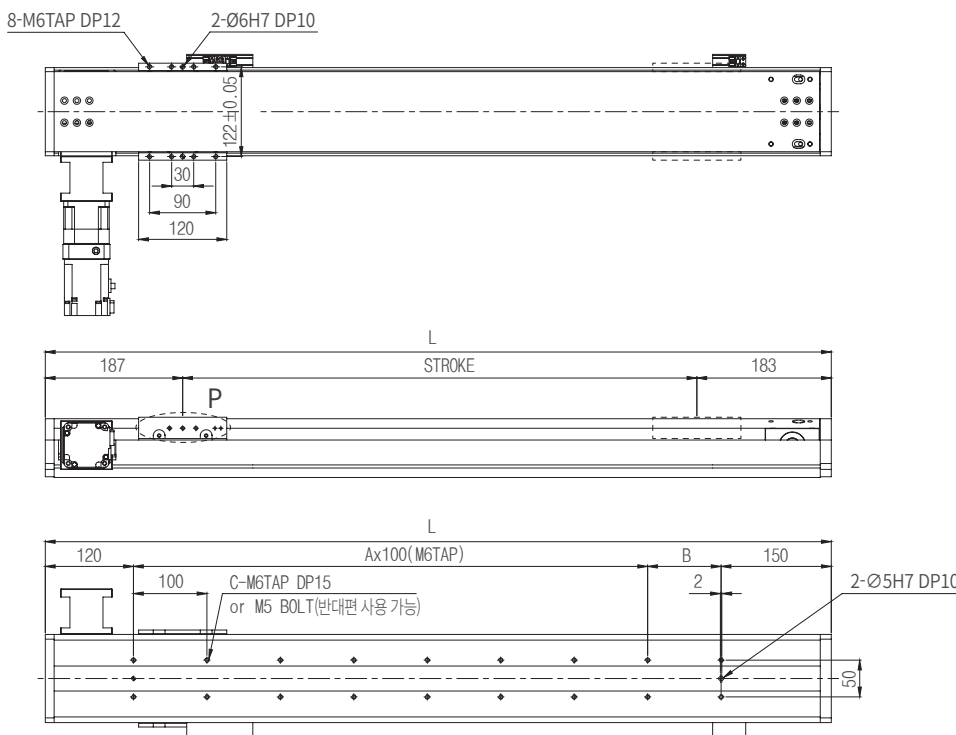
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

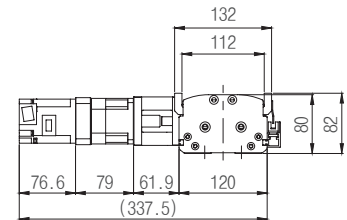
Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	405	593	195



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4

# URB | 120-R

URB120-RA-200N05-0500-C  
Base width 120mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	R	A	-	200	N	05 - 0500	- C

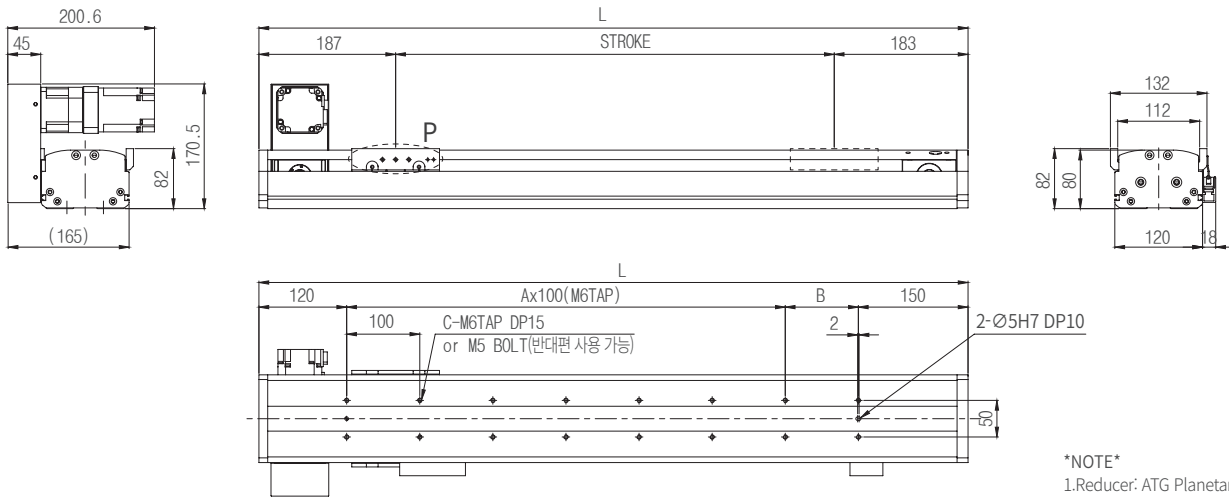
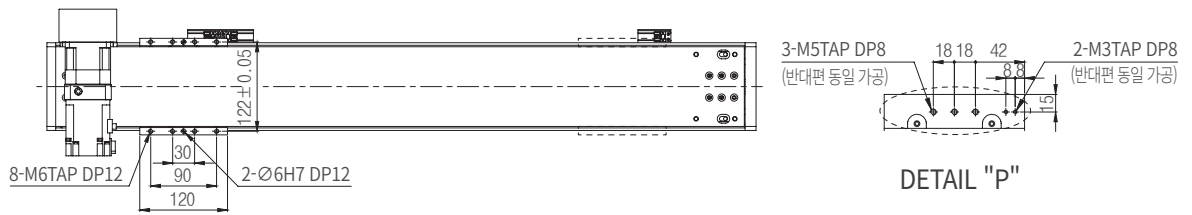
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	405	593	195



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4





URB120-LA-200N05-0500-C  
Base width 120mm, Belt type

# URB | 120-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	L	A	-	200	N	05 - 0500	- C

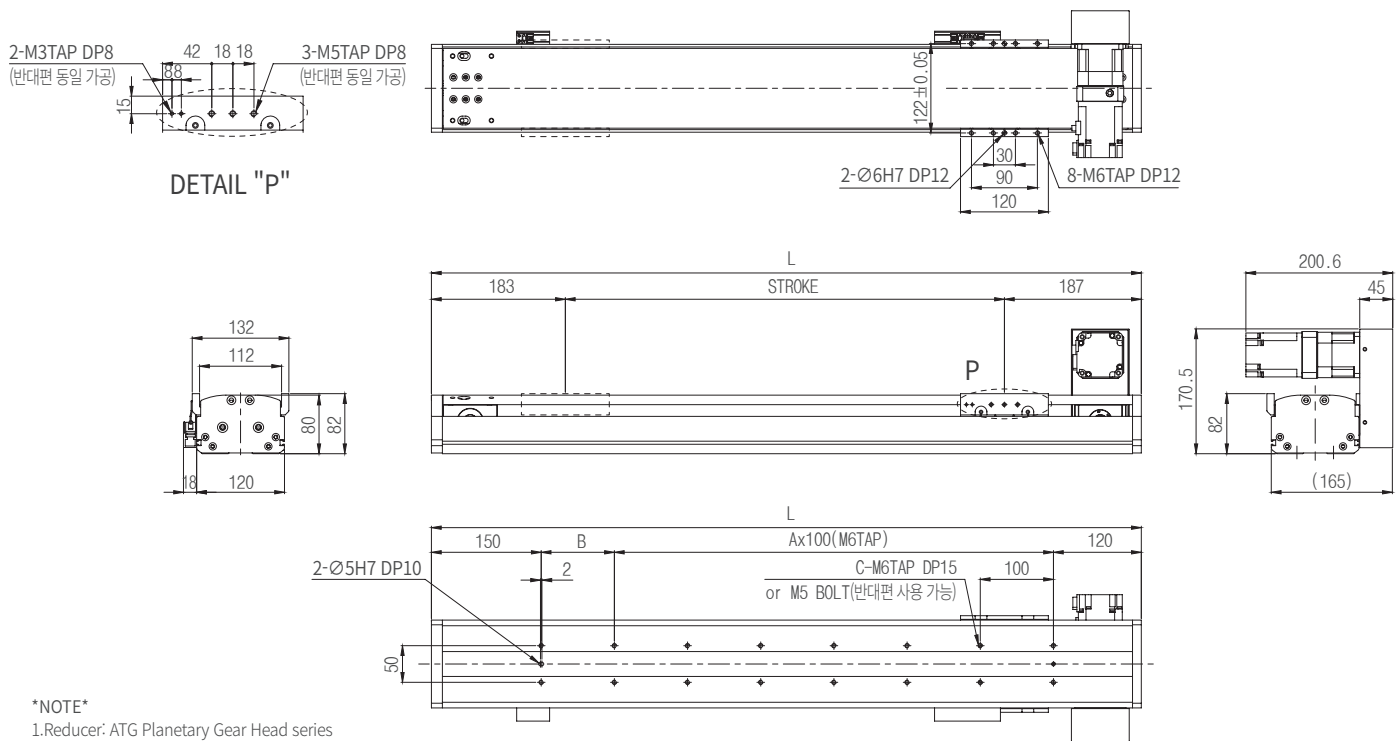
C: Left straight type    A: Standard type    200W    N: No-Brake type    05/08/10    C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type    B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	405	593	195



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4

# URB | 120-B

URB120-BA-200N05-0500-C  
Base width 120mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	B	A	-	200	N	05 - 0500	- C

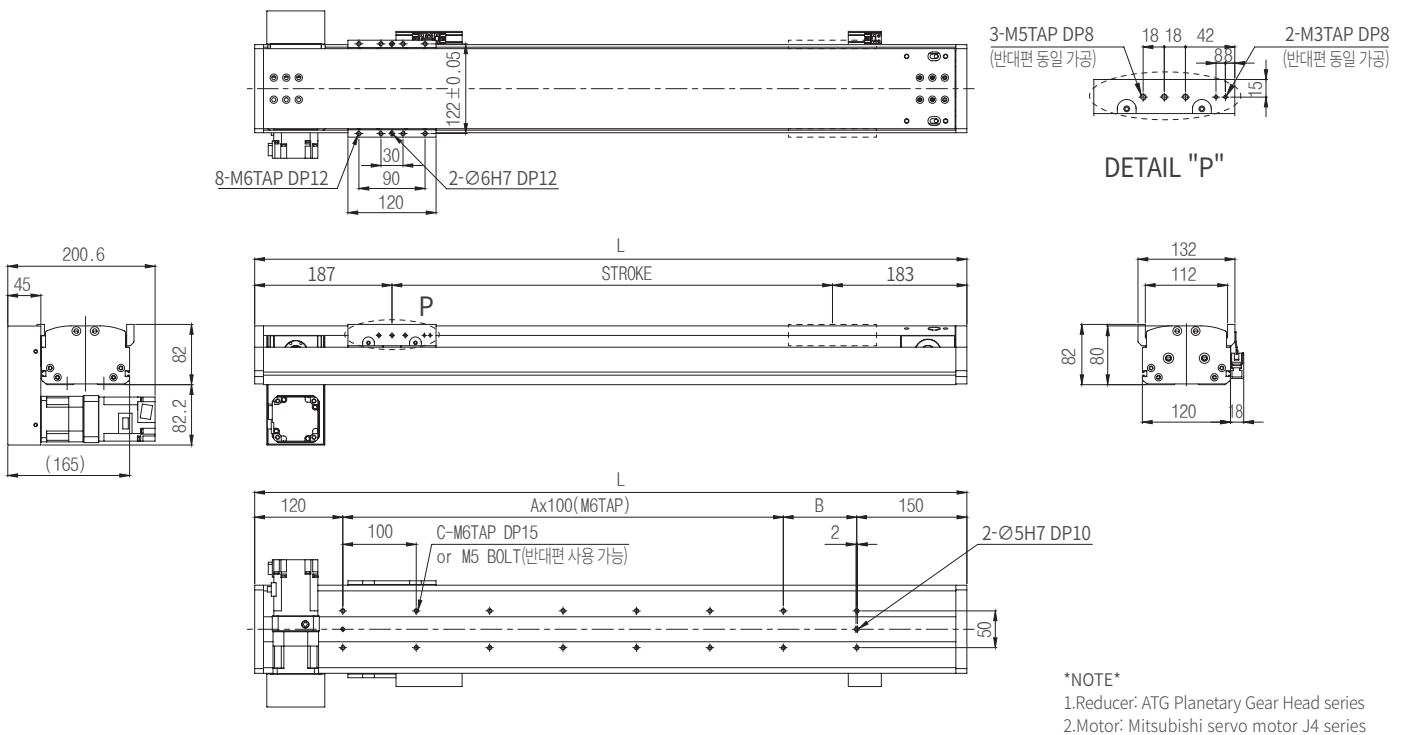
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	405	593	195



## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4



URB120-MA-200N05-0500-C  
Base width 120mm, Belt type

# URB | 120-M

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 120	-	M	A	-	200	N	05	0500 - C

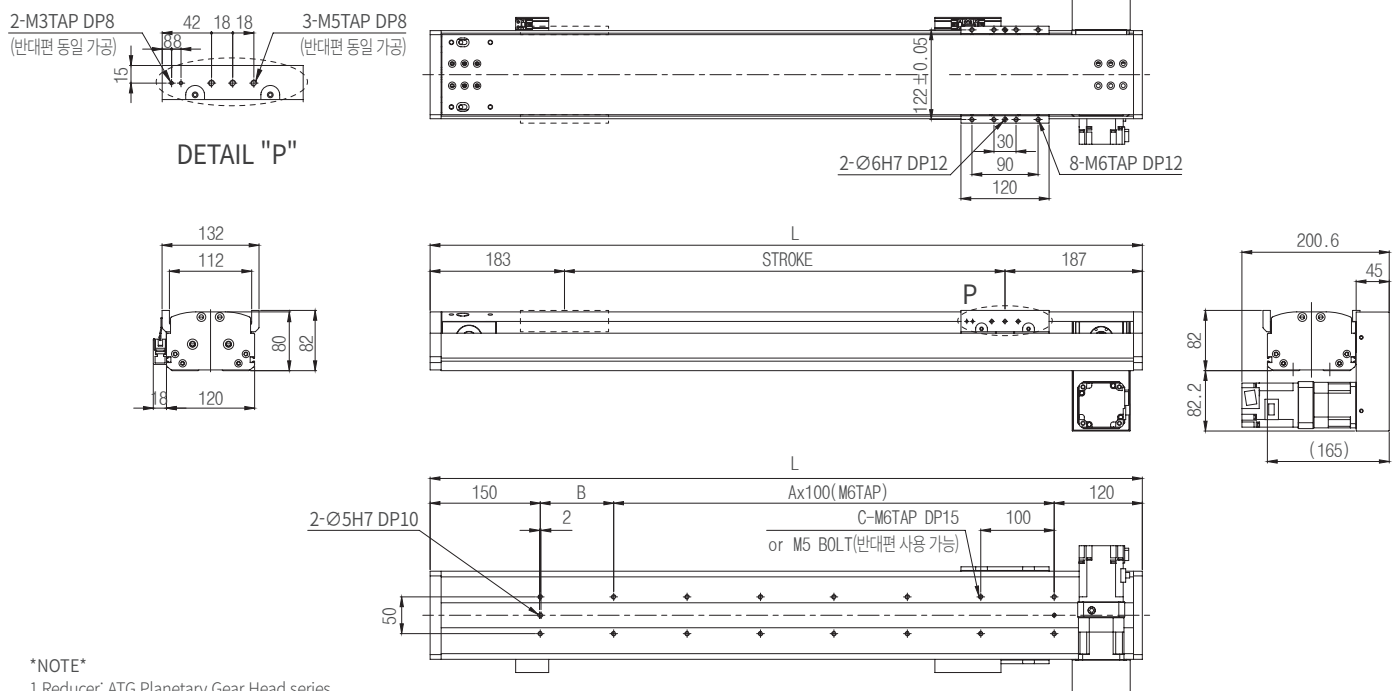
C: Left straight type A: Standard type 200W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	200		
LM Guide	No.15 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 18W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	930	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	10	35	60
Stroke	500~2000		

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	405	593	195



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120
A	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
B	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
C	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40
Weight (kg)	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4

# URB | 140-C

URB140-CA-400N05-0500-C  
Base width 140mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 140	-	C	A	-	400	N	05 - 0500	- C

C: Left straight type  
D: Right straight type  
L: Left parallel type  
R: Right parallel type  
M: Left Behind type  
B: Right Behind type

A: Standard type  
B: Customized type

400W

N: No-Brake type

05/08/10

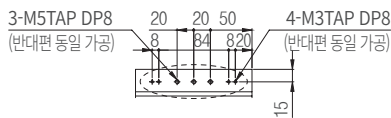
C: OutSide 3 Sensors (Customized)Option (Page 83 참조)

## Specification

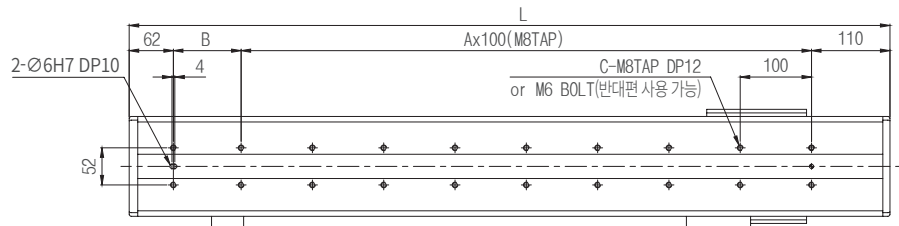
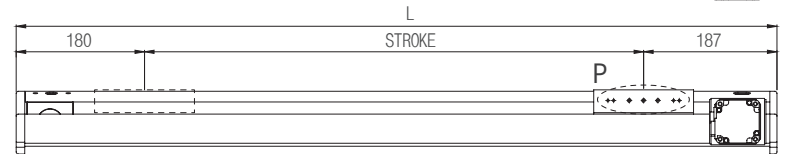
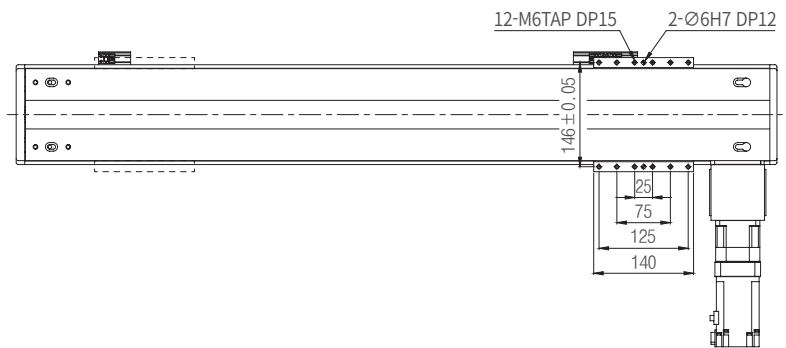
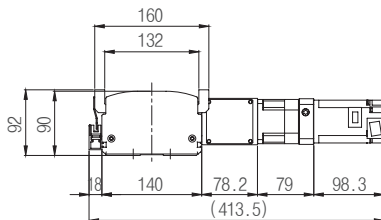
Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1133	945	268



DETAIL "P"



\*NOTE\*  
1.Reducer: ATG Planetary Gear Head series  
2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6



URB140-DA-400N05-0500-C  
Base width 140mm, Belt type

# URB | 140-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 140	-	D	A	-	400	N	05 - 0500	- C

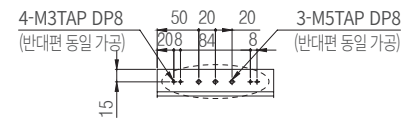
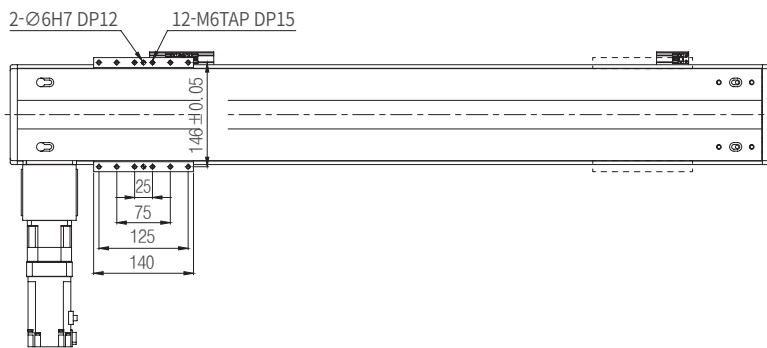
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

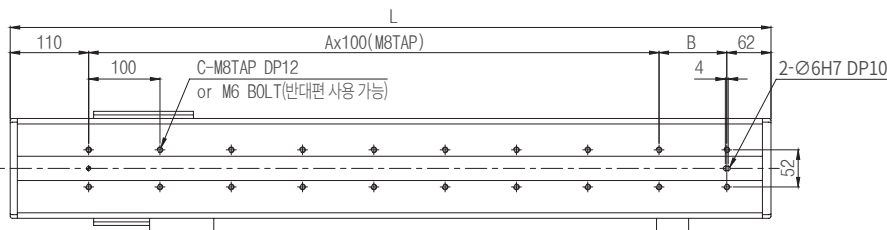
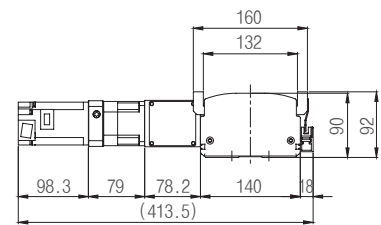
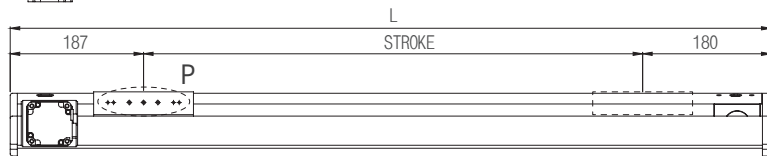
Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1133	945	268



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6

# URB | 140-R

URB140-RA-400N05-0500-C  
Base width 140mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 140	-	R	A	-	400	N	05 - 0500	- C

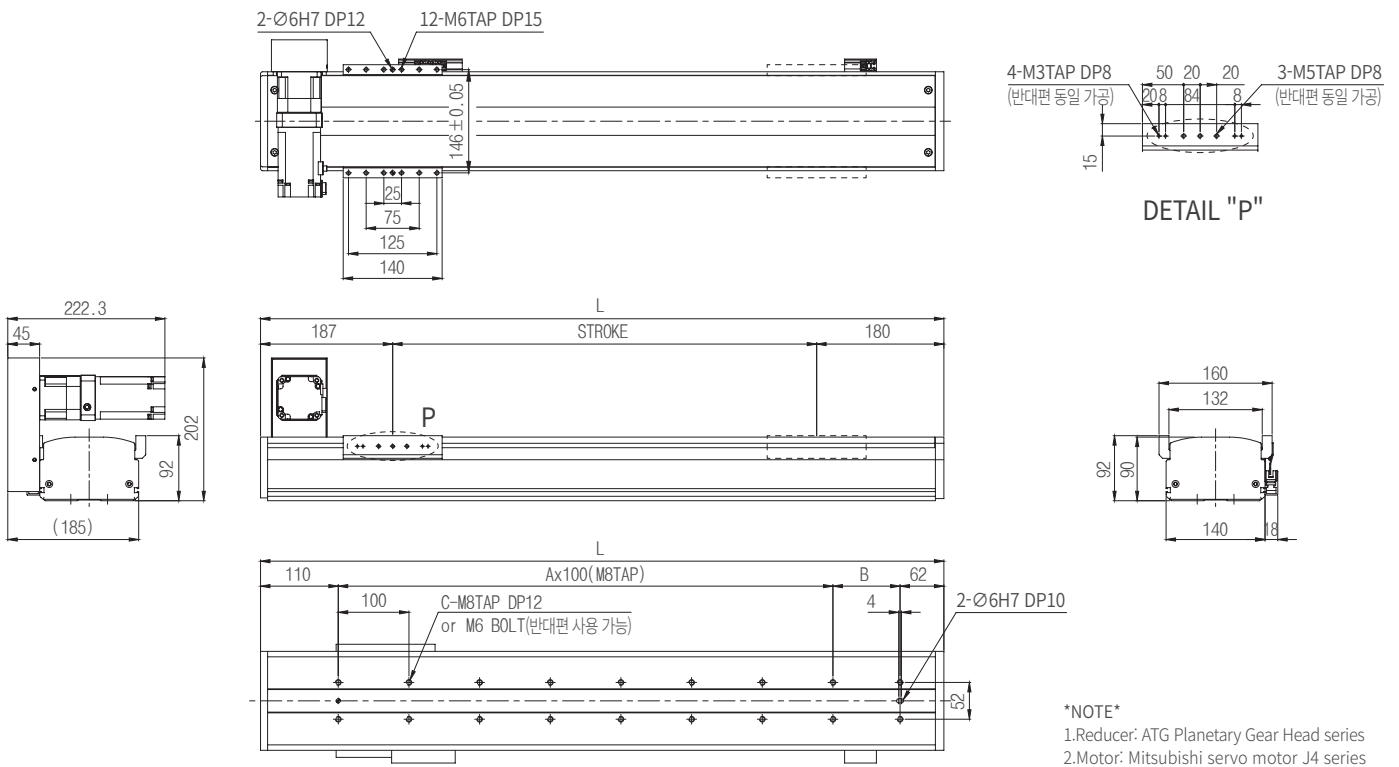
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1133	945	268



## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6



URB140-LA-400N05-0500-C  
Base width 140mm, Belt type

# URB | 140-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 140	-	L	A	-	400	N	05	0500 - C

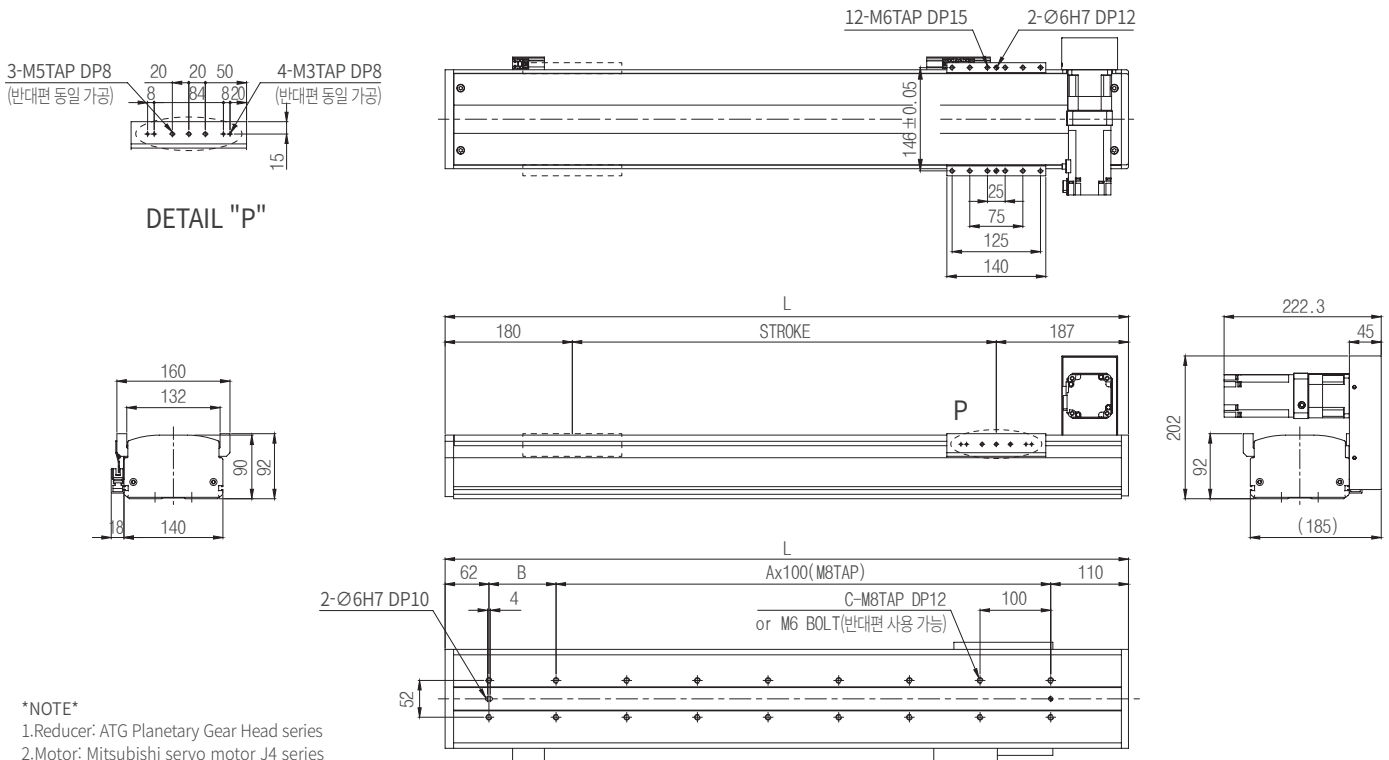
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6

# URB | 140-B

URB140-BA-400N05-0500-C  
Base width 140mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 140	-	B	A	-	400	N	05 - 0500	- C

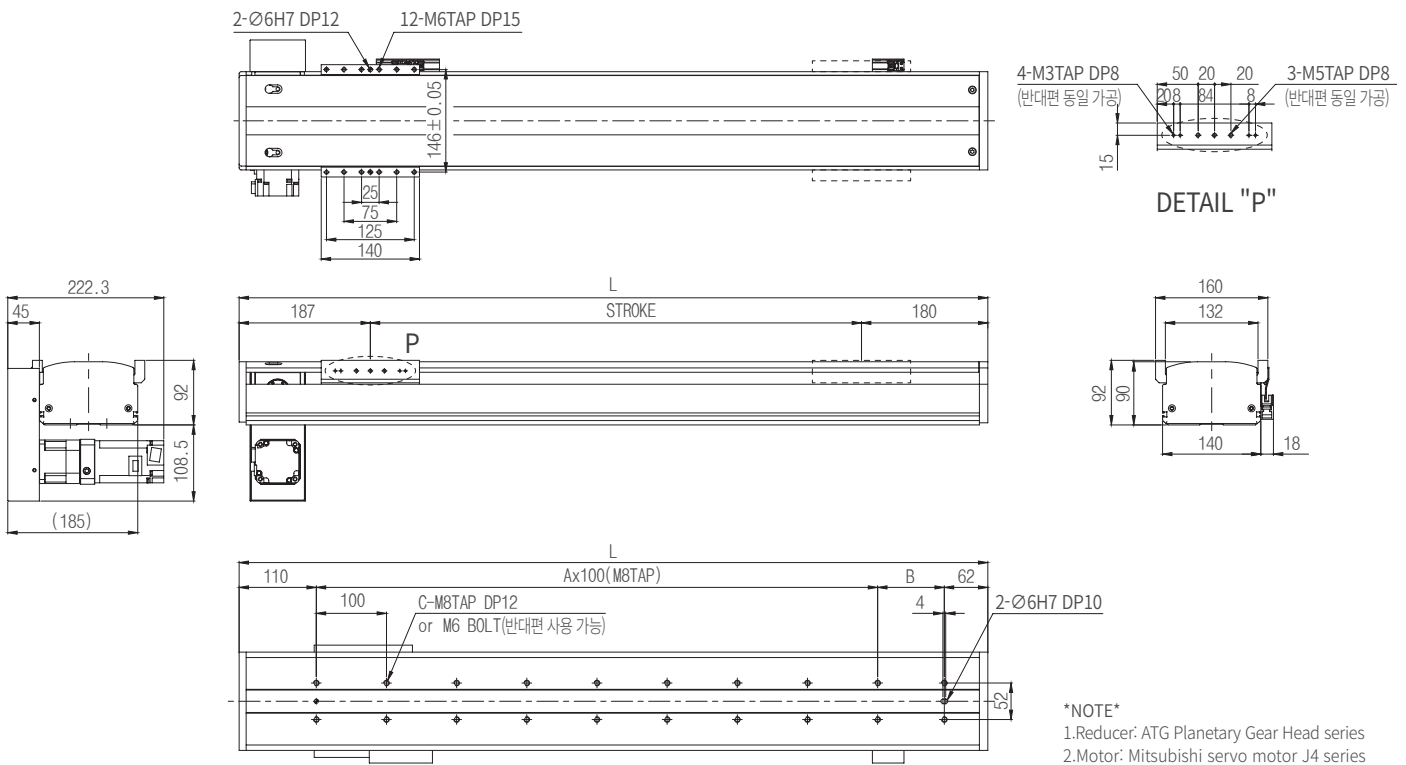
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1133	945	268



## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6





URB140-MA-400N05-0500-C  
Base width 140mm, Belt type

# URB | 140-M

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 140</b>	<b>- M</b>	<b>A</b>	<b>- 400</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

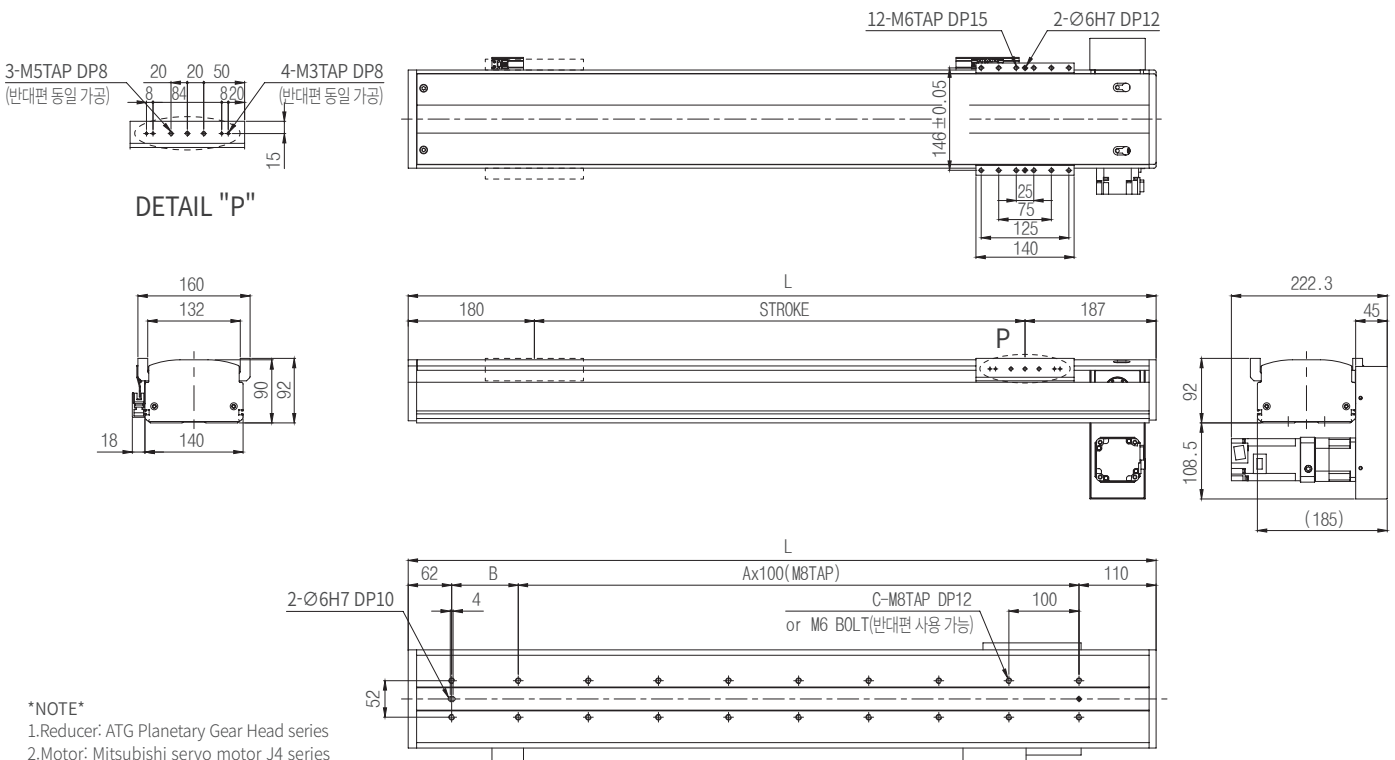
C: Left straight type A: Standard type 400W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	400		
LM Guide	No.20 (2Rail 4Block)		
Driving Spec.	RPP5 Belt 20W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1500	940	750
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	24	50	70
Stroke	500~4000		

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1133	945	268



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2167	2217
A	6	6	6	6	7	7	8	8	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18
B	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145	95	145
C	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40
Weight (kg)	17.5	18.2	18.9	19.6	20.4	21.1	21.8	22.5	23.3	24	24.7	25.4	26.2	26.9	27.6	28.3	29.1	29.8	30.5	31.2	32	32.7	33.4	34.1	34.9	35.6

# URB | 180-C

URB180-CA-750N05-0500-C  
Base width 180mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 180	-	C	A	-	750	N	05 - 0500	- C

C: Left straight type  
D: Right straight type  
L: Left parallel type  
R: Right parallel type  
M: Left Behind type  
B: Right Behind type

A: Standard type  
B: Customized type

750W

N: No-Brake type

05/08/10

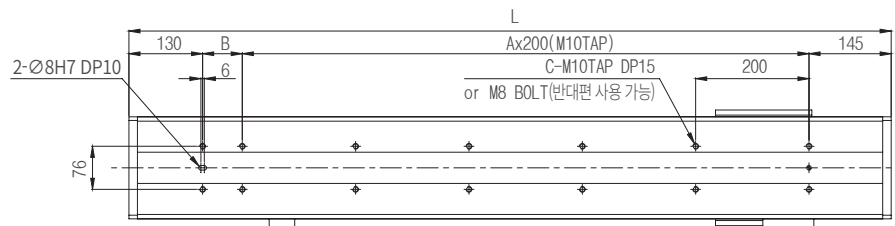
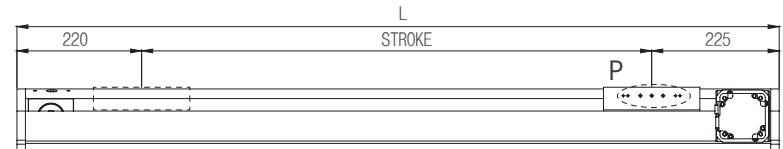
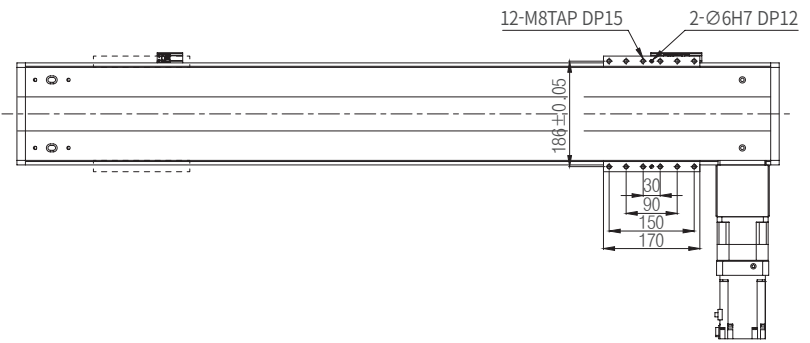
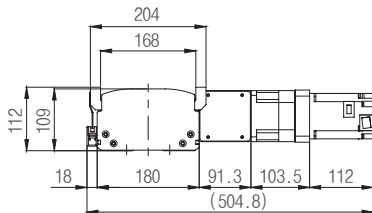
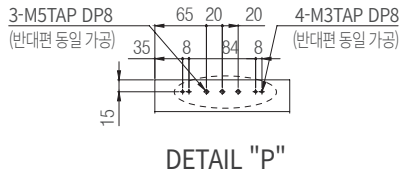
C: OutSide 3 Sensors (Customized)Option (Page 83 참조)

## Specification

Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2205	1845	658



\*NOTE\*  
1.Reducer: ATG Planetary Gear Head series  
2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8



URB180-DA-750N05-0500-C  
Base width 180mm, Belt type

# URB | 180-D

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 180</b>	<b>- D</b>	<b>A</b>	<b>- 750</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

C: Left straight type A: Standard type 750W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

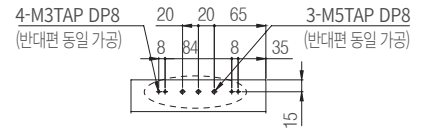
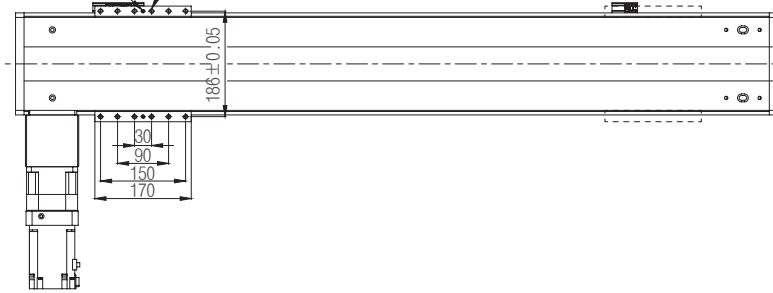
## • Specification

Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

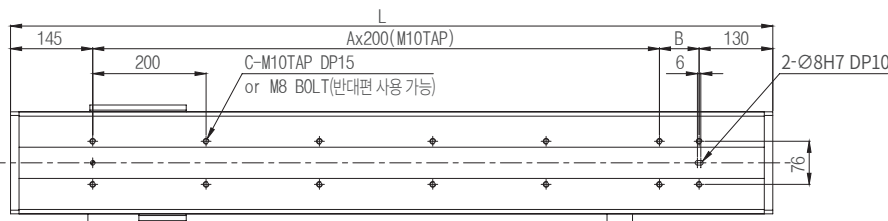
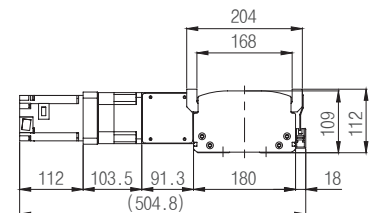
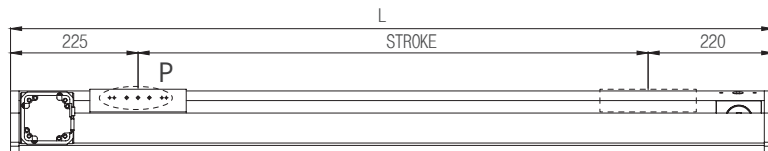
## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2205	1845	658

2-∅6H7 DP12 12-M8TAP DP15



DETAIL "P"



\*NOTE\*

- 1.Reducer: ATG Planetary Gear Head series
- 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8

# URB | 180-R

URB180-RA-750N05-0500-C  
Base width 180mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 180	-	R	A	-	750	N	05 - 0500	- C

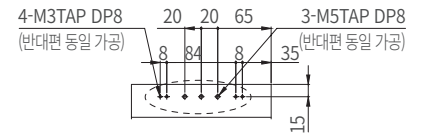
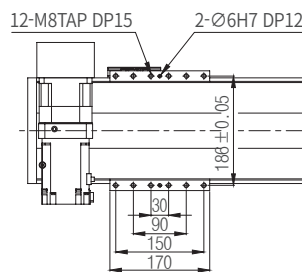
C: Left straight type A: Standard type 750W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## Specification

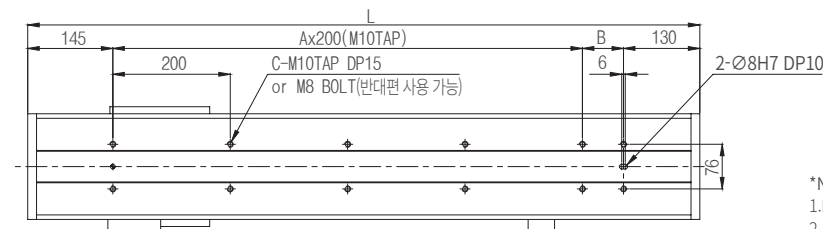
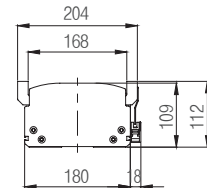
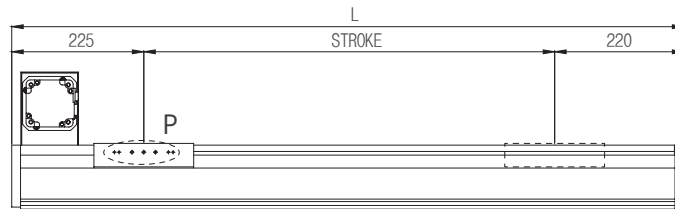
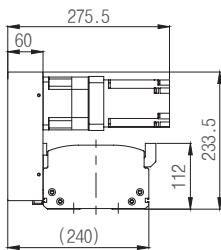
Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

## Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2205	1845	658



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8



URB180-LA-750N05-0500-C  
Base width 180mm, Belt type

# URB | 180-L

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 180</b>	<b>- L</b>	<b>A</b>	<b>- 750</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

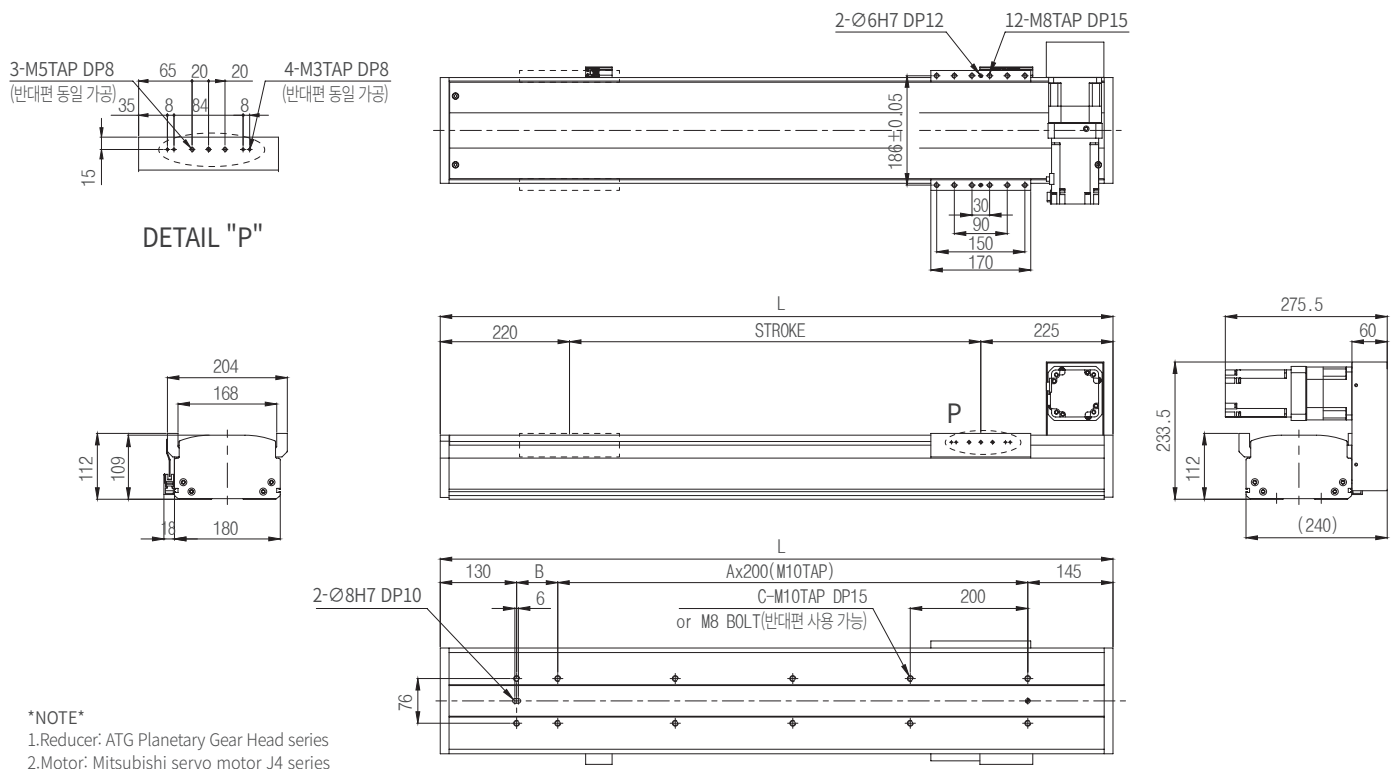
C: Left straight type A: Standard type 750W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2205	1845	658



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8

# URB | 180-B

URB180-BA-750N05-0500-C  
Base width 180mm, Belt type



Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
URB 180	-	B	A	-	750	N	05 - 0500	- C

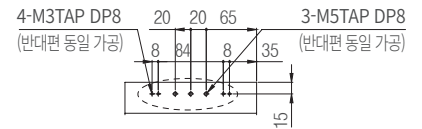
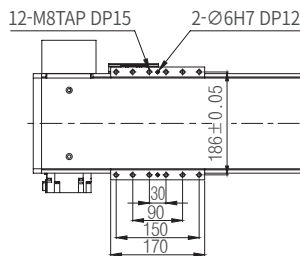
C: Left straight type A: Standard type 750W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

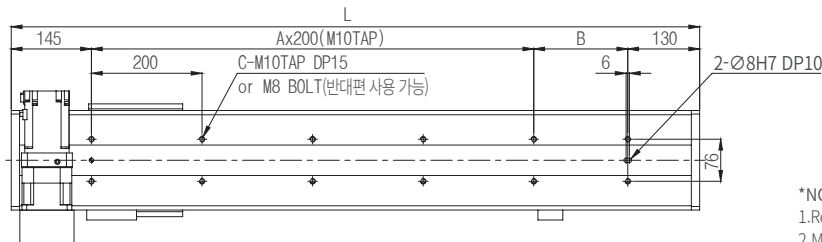
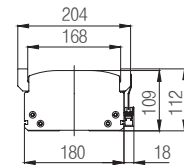
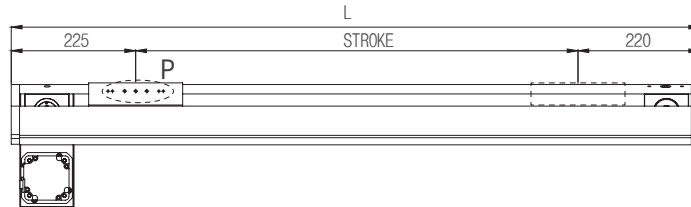
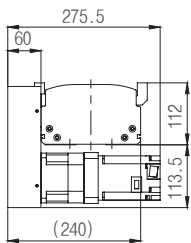
Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2205	1845	658



DETAIL "P"



\*NOTE\*  
 1.Reducer: ATG Planetary Gear Head series  
 2.Motor: Mitsubishi servo motor J4 series

## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8



URB180-MA-750N05-0500-C  
Base width 180mm, Belt type

# URB | 180-M

Model	Base width	Type1	Type2	Motor power	Motor type	Reduction ratio	Stroke	Option
<b>URB 180</b>	<b>- M</b>	<b>A</b>	<b>- 750</b>	<b>N</b>	<b>05</b>	<b>- 0500</b>	<b>- C</b>	

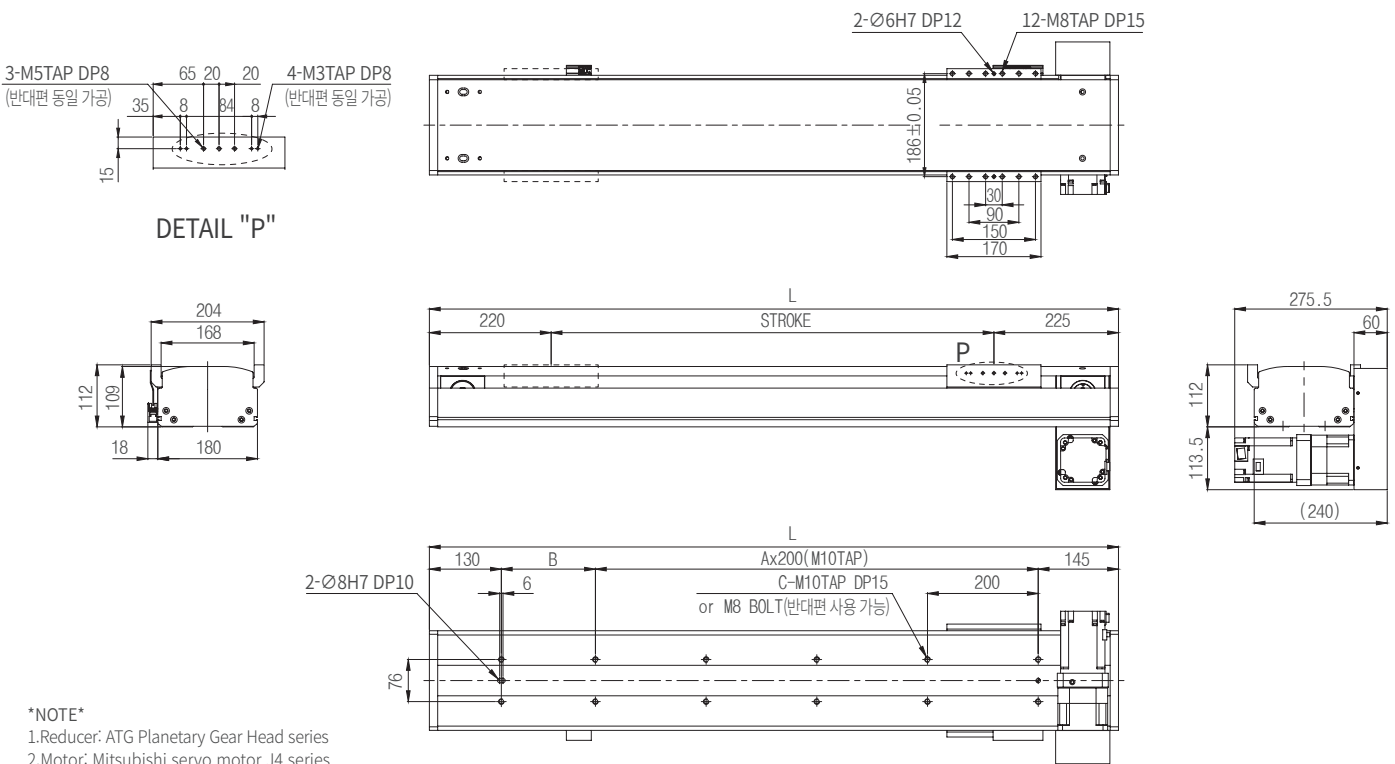
C: Left straight type A: Standard type 750W N: No-Brake type 05/08/10 C: OutSide 3 Sensors (Customized)Option (Page 83 참조)  
 D: Right straight type B: Customized type  
 L: Left parallel type  
 R: Right parallel type  
 M: Left Behind type  
 B: Right Behind type

## • Specification

Input Motor (W)	750		
LM Guide	No.25 (2Rail 4Block)		
Driving Spec.	RPP8 Belt 30W		
Repeatability (mm)	±0.1		
Rated Velocity (mm/s)	1760	1100	880
Reduction ratio	5 : 1	8 : 1	10 : 1
Payload(kg)	45	90	110
Stroke	500~6000		

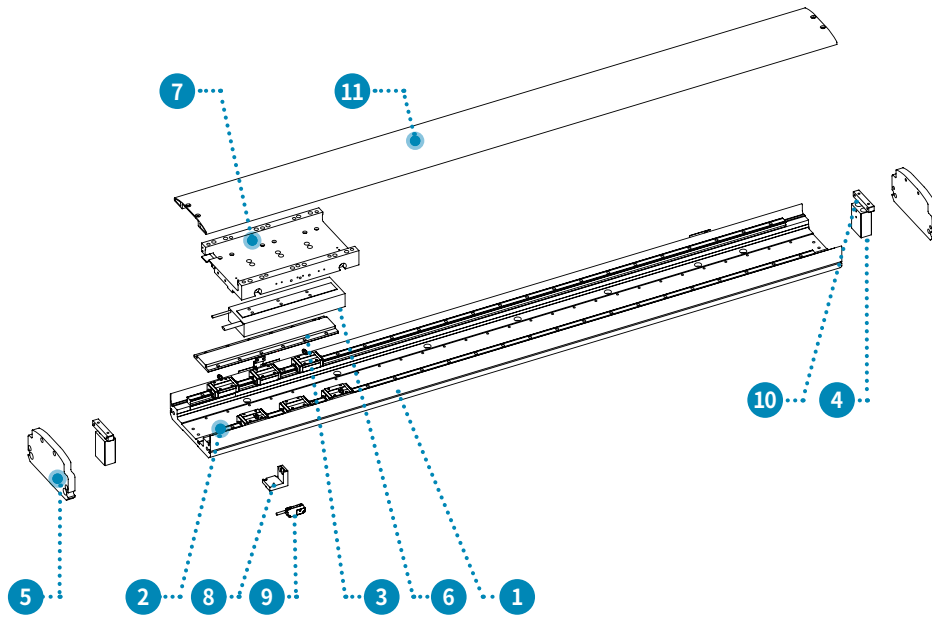
## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2205	1845	658



## • Stroke, Dimension & Velocity

Stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645	1695	1745	1795	1845	1895	1945	1995	2045	2095	2145	2195
A	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9
B	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120	170	220	70	120
C	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22
Weight (kg)	28.9	29.9	31	32.1	33.2	34.2	35.3	36.4	37.5	38.5	39.6	40.7	41.8	42.9	44	45	46.1	47.2	48.3	49.3	50.4	51.5	52.6	53.6	54.7	55.8



- |                  |                 |                  |
|------------------|-----------------|------------------|
| ① Base           | ⑤ End Cover     | ⑨ Linear Encoder |
| ② LM Guide       | ⑥ Linear Mover  | ⑩ Tension Block  |
| ③ Magnetic       | ⑦ Slider        | ⑪ Upper Cover    |
| ④ Damper Bracket | ⑧ Scale Bracket |                  |

## • Features

- > 고강성 & 컴팩트 사이즈  
구조해석 적용 | 공간활용 최적화
- > 표준테이블을 통한 설계편의성 제공
- > 저소음 설계
- > 최대 2G의 가,감속
- > 속도리플 최소화
- > 유지보수 편리

## • Notes

- > 평탄도  
· 로봇 하단 기준면에서 슬라이더 상면까지의 평탄도는  $\pm 0.01\text{mm}/300\text{mm}$  이하입니다.
- > 반복정밀도 & 위치정밀도  
· 위치정밀도는 목표 위치와 실제 도달한 위치간의 차이(에러)를 뜻합니다.  
· 반복정밀도는 동일한 task를 반복적으로 수행할때 발생하는 차이를 말합니다.
- > 속도 & 분해능  
· 속도와 분해능은 반비례 관계입니다. 분해능을 높이면 속도는 최고 속도보다 느려집니다.



# Model name

Model	Base width	Slider	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	168	- 1	A	- F07	I	.5	- 1000	- C

## > Model

URL

## > Base width

145 / 168 / 180 / 200 / 240 / 300  
(ex. 145=145mm, 300=300mm)

## > Slider (Mover)

1: 1 Mover  
2: 2 Mover  
3: 3 Mover

## > Type

Model Type (A: Standard, B: Customized)

## > Stroke

0400(400mm)~9000(9000mm)  
Stroke은 모델별로 상이합니다.

400mm 미만 또는 9,000mm를 초과하는 Stroke는 대리점 또는 회사로 문의하여 주십시오.

## > Rated Force

Rated Force in Newton (ex. F12=120N)  
F07 / F12 / F24 / F36 / F48 / F72 / F96

## > Encoder type

I: Incremental type A: Absolute type

## > Resolution

Encoder Resolution  
.5(0.5 $\mu$ m) / 01(1.0 $\mu$ m) / 10(10.0 $\mu$ m) / M5(50nm) / N5(5nm)

## > Option

C: Out Side 3 Sensors (Customized)  
B: Black Anodizing  
E: 그리스 외부주유  
F: LM Raydent

Series 1

Model width 3

Specifications 4

External dimensions 6

URL | 168-F07

URL168-1A-F07I.5-1000-C  
Base width 168mm, Linear type

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	168	- 1	A	- F07	I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F07: 70N  
F12: 120N  
F24: 240N

I: Incremental type  
A: Absolute type

S : 0.5 $\mu$ m  
O1 : 1 $\mu$ m  
I0 : 10 $\mu$ m  
M5 : 50nm  
N5 : 5nm

C: OutSide 3 Sensors (Customized)Option (Page 121 참조)

**Specification**

Continus force / Peak force (N)	70 / 175
LM Guide	No.15 (2Rail 4Block)
Maximum speed (mm/s)	1000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	2(1.5G), 4(1G)
Color	White / Black

**Allowable Overhung Load**

Static Admissible State (N-m)	Mx0	My0	Mz0
	799	711	195

**Stroke & Dimension**

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980
A	1	2	2	2	2	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	7	7	7	8
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	6	8	8	8	8	10	10	10	10	10	12	12	12	12	14	14	14	16	16	16	16	18	18	18	18	20
Weight (kg)	16.5	17.3	18.2	19	19.9	20.7	21.6	22.4	23.3	24.2	25.1	25.9	26.8	27.6	28.5	29.3	30.2	31	31.9	32.8	33.7	34.5	35.4	36.2	37.1	37.9

2 Description

5 Allowable overhung load

7 Stroke, Dimension & Velocity

# URL | 145-F07

URL145-1A-F07I.5-1000-C  
Base width 145mm, Linear type



Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	145	- 1	A - F07	I	.5	- 1000	- C	

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F07: 70N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01 : 1μm  
10 : 10μm  
M5: 50nm  
N5: 5nm

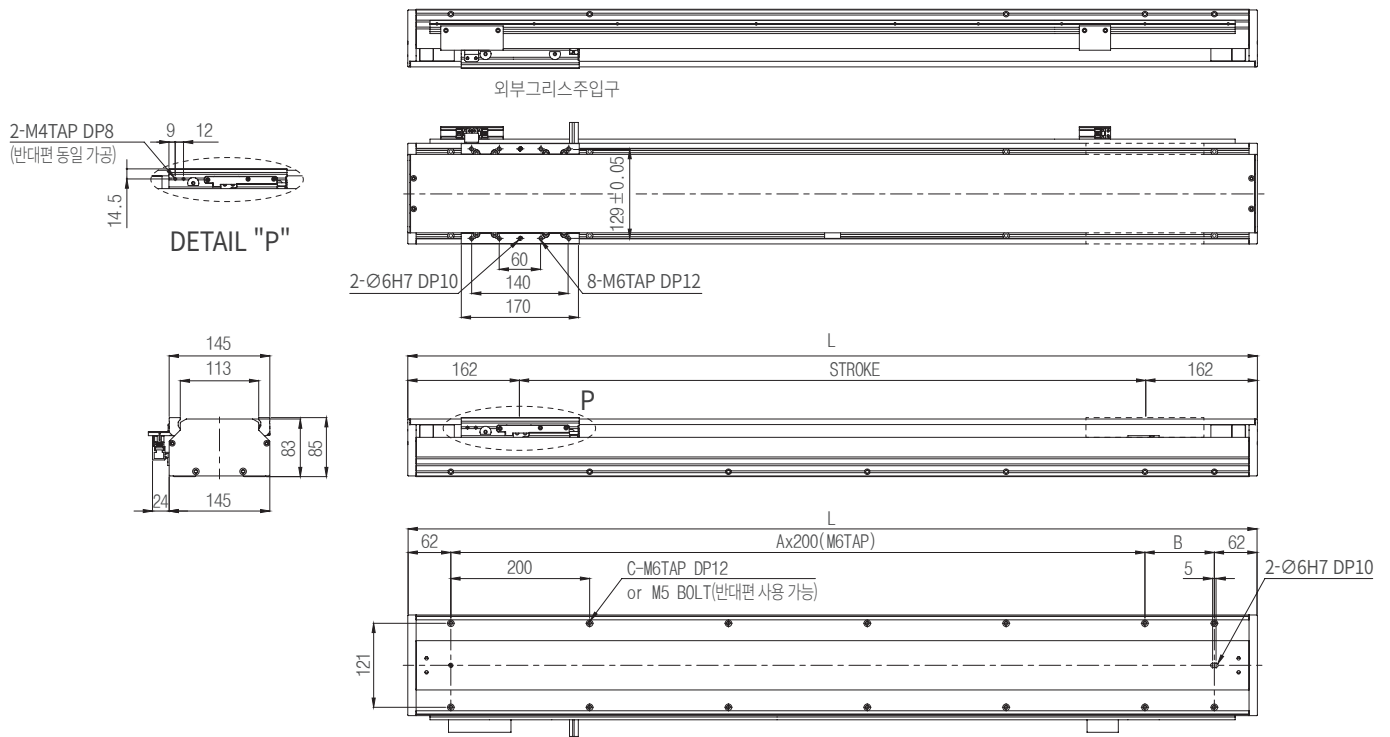
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## • Specification

Continus force / Peak force (N)	70 / 175
LM Guide	No.15 (2Rail 4Block)
Maximum speed (mm/s)	1000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	2(1.5G), 4(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	705	593	195



## • Stroke & Dimension

Stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
L	524	574	624	674	724	774	824	874	924	974	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774
A	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7
B	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250
C	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18
Weight (kg)	9.2	9.9	10.7	11.5	12.3	13	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.5



URL168-1A-F07I.5-1000-C  
Base width 168mm, Linear type

URL | 168-F07

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	168	- 1	A - F07	I	.5	- 1000	- C	

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F07: 70N  
F12: 120N  
F24: 240N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01: 1μm  
10: 10μm  
M5: 50nm  
N5: 5nm

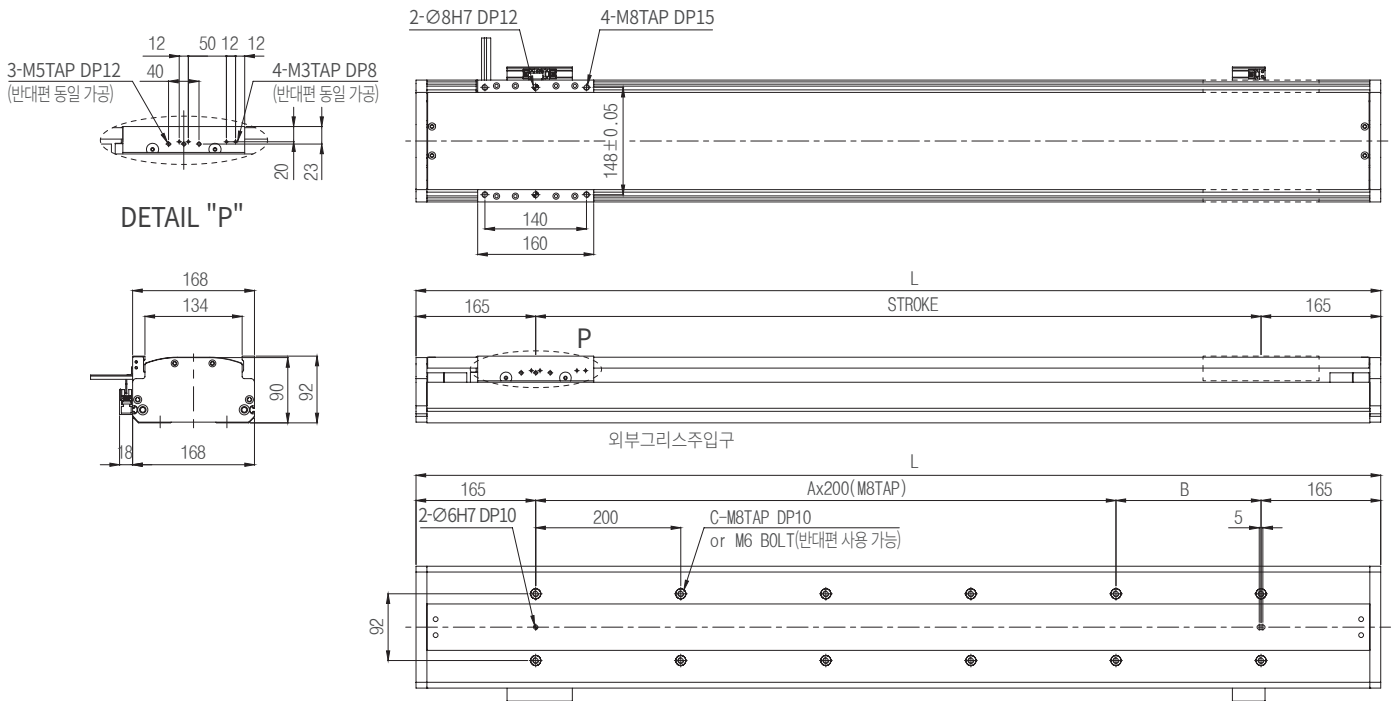
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

### • Specification

Continus force / Peak force (N)	70 / 175
LM Guide	No.15 (2Rail 4Block)
Maximum speed (mm/s)	1000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	2(1.5G), 4(1G)
Color	White / Black

### • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	799	711	195



### • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980
A	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20
Weight (kg)	16.5	17.3	18.2	19	19.9	20.7	21.6	22.4	23.3	24.2	25.1	25.9	26.8	27.6	28.5	29.3	30.2	31	31.9	32.8	33.7	34.5	35.4	36.2	37.1	37.9

# URL | 168-F12

URL168-1A-F12L.5-1000-C  
Base width 168mm, Linear type



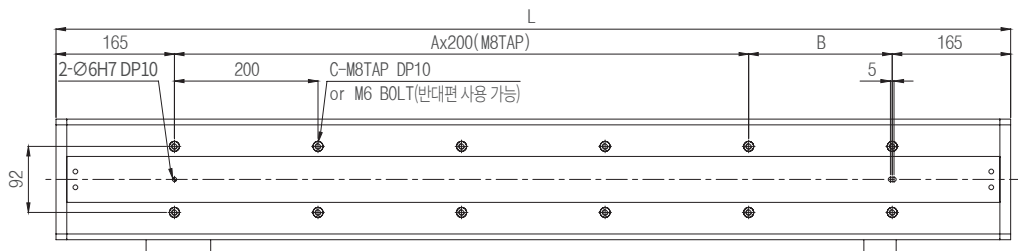
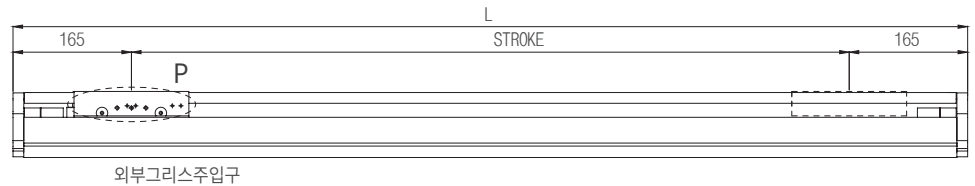
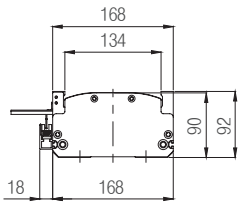
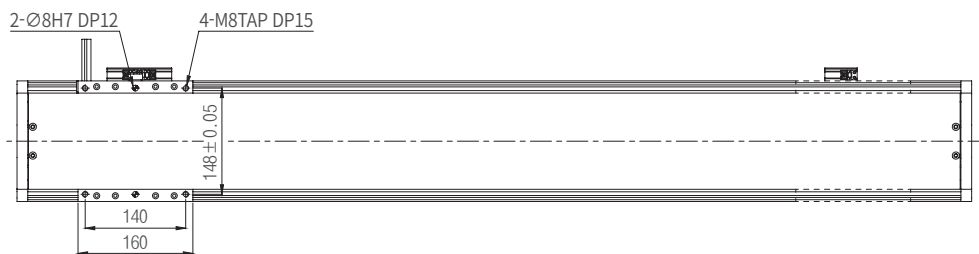
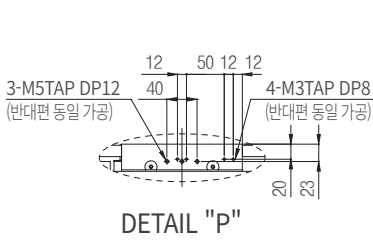
Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	168	- 1	A - F12		I	.5	- 1000	- C
		1: Mover 1ea 2: Mover 2ea 3: Mover 3ea	A: Standard type B: Customized type	F07: 70N F12: 120N F24: 240N	I: Incremental type A: Absolute type	.5 : 0.5μm 01: 1μm 10: 10μm M5: 50nm N5: 5nm		C: OutSide 3 Sensors (Customized)Option (Page 121 참조)

## Specification

Continus force / Peak force (N)	120 / 300
LM Guide	No.15 (2Rail 4Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	4(2G), 8(1G)
Color	White / Black

## Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	799	711	195



## Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980
A	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20
Weight (kg)	16.5	17.3	18.2	19	19.9	20.7	21.6	22.4	23.3	24.2	25.1	25.9	26.8	27.6	28.5	29.3	30.2	31	31.9	32.8	33.7	34.5	35.4	36.2	37.1	37.9



URL168-1A-F24I.5-1000-C  
Base width 168mm, Linear type

# URL | 168-F24

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	168	- 1	A - F24		I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F07: 70N  
F12: 120N  
F24: 240N

I: Incremental type  
A: Absolute type

.5 : 0.5 $\mu$ m  
01: 1 $\mu$ m  
10: 10 $\mu$ m  
M5: 50nm  
N5: 5nm

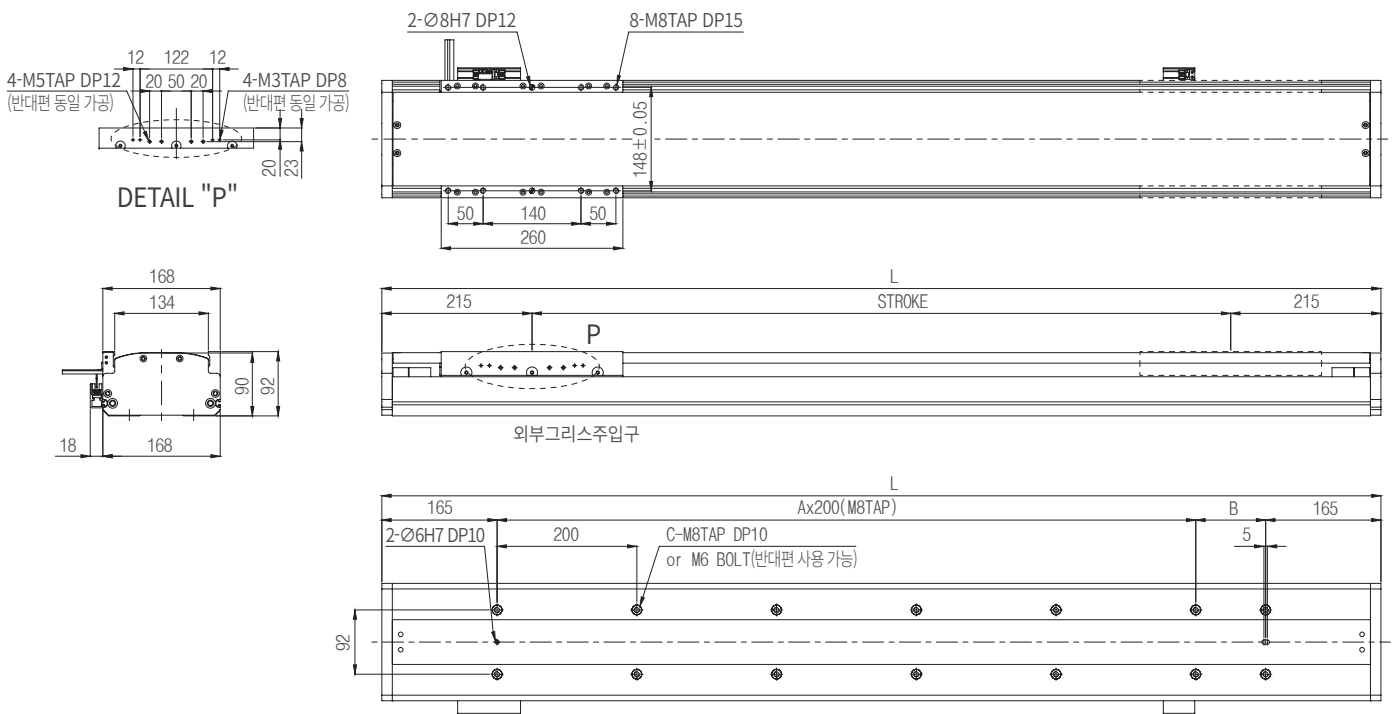
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## • Specification

Continus force / Peak force (N)	240 / 600
LM Guide	No.15 (2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	14(2G), 22(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1380	1130	230



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080
A	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
Weight (kg)	20.4	21.2	22.1	22.9	23.8	24.6	25.5	26.3	27.2	28.1	29	29.8	30.7	31.5	32.4	33.2	34.1	34.9	35.8	36.7	37.6	38.4	39.3	40.1	41	41.8

# URL | 180-F24

URL180-1A-F24I.5-1000-C  
Base width 180mm, Linear type



Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	180	- 1	A - F24		I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F24: 240N  
F36: 360N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01 : 1μm  
10 : 10μm  
M5: 50nm  
N5: 5nm

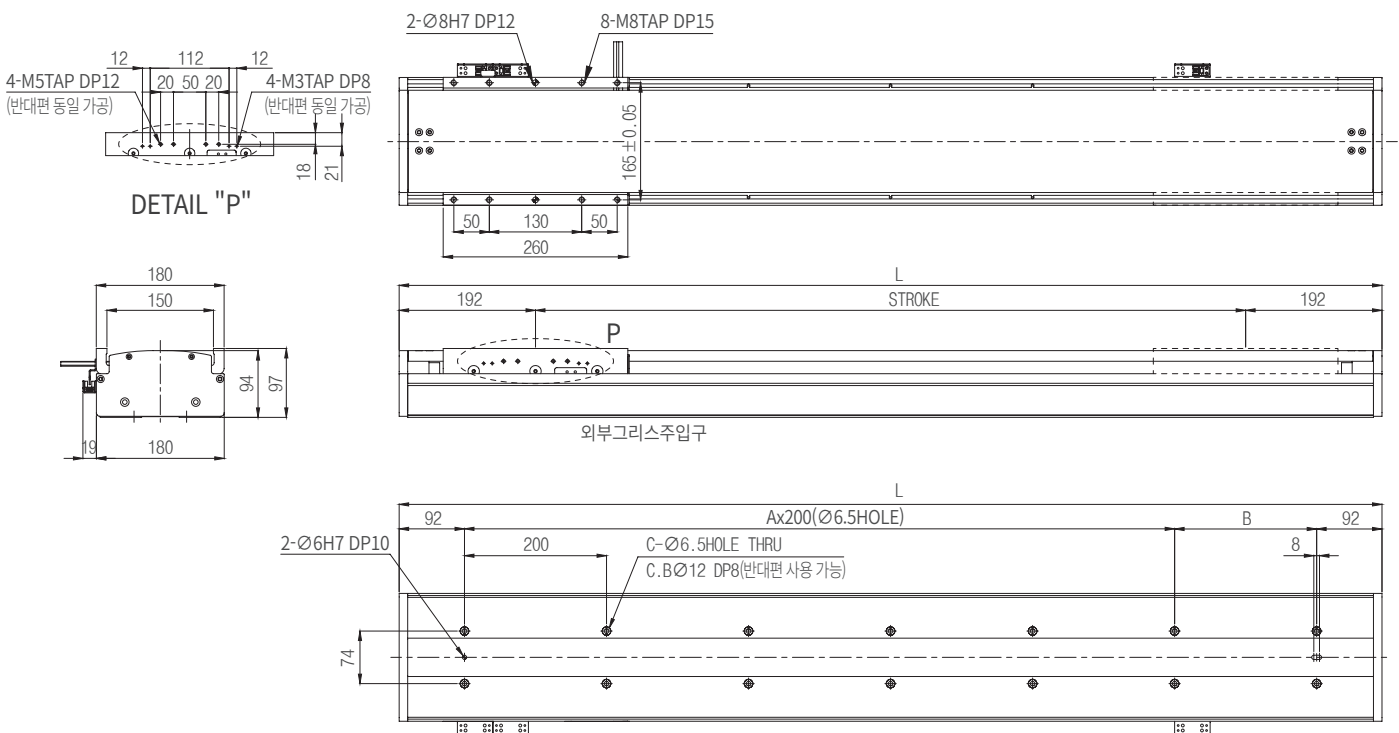
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## Specification

Continus force / Peak force (N)	240 / 600
LM Guide	No.15 (2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	13(2G), 22(1G)
Color	White / Black

## Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1410	1185	255



## Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684	1734	1784	1834	1884	1934	1984	2034
A	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22
Weight (kg)	21.7	22.6	23.6	24.5	25.5	26.4	27.4	28.3	29.3	30.3	31.3	32.2	33.2	34.1	35.1	36	37	37.9	38.9	39.8	40.8	41.8	42.8	43.7	44.7	45.6



URL180-1A-F36I.5-1000-C  
Base width 180mm, Linear type

# URL | 180-F36

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
<b>URL</b>	<b>180</b>	<b>- 1</b>	<b>A - F36</b>		<b>I</b>	<b>.5</b>	<b>- 1000</b>	<b>- C</b>

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F24: 240N  
F36: 360N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01: 1μm  
10: 10μm  
M5: 50nm  
N5: 5nm

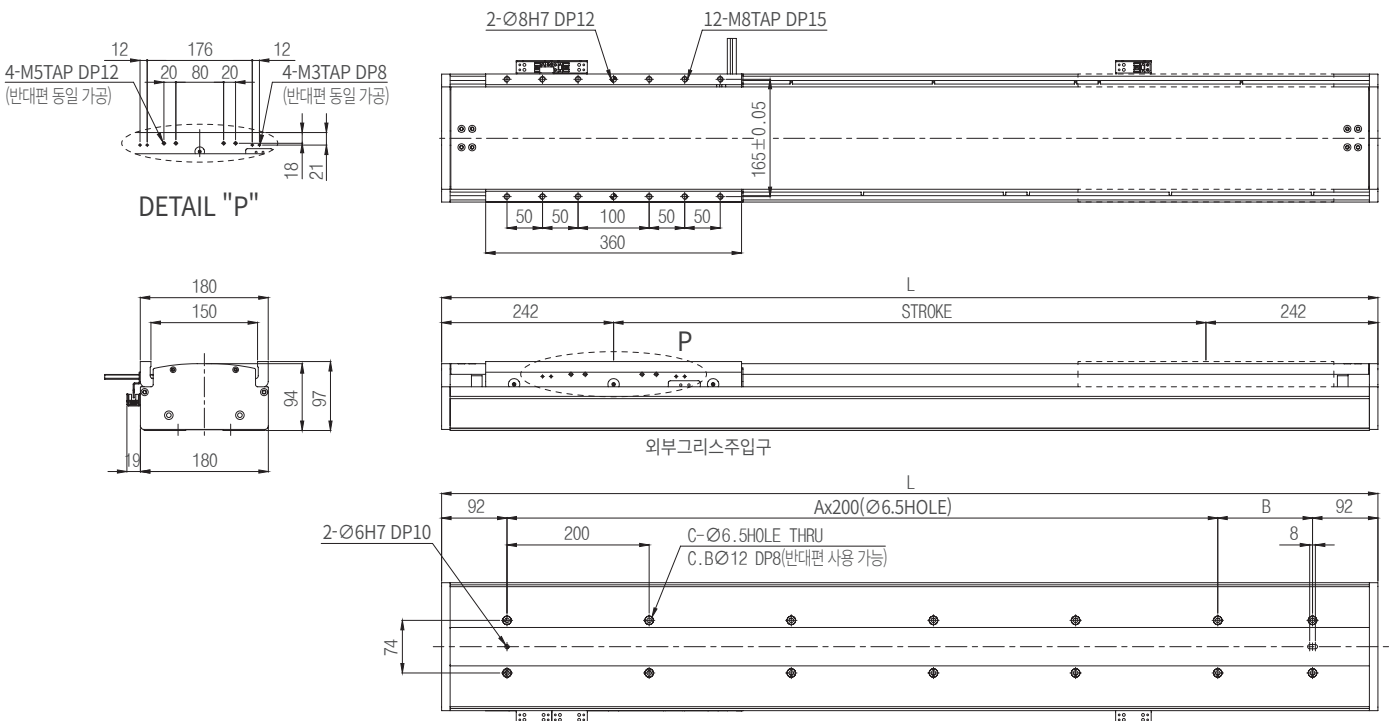
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## • Specification

Continus force / Peak force (N)	360 / 900
LM Guide	No.15 (2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	23(2G), 36(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	1410	1185	255



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	23.5	24.4	25.4	26.4	27.4	28.3	29.3	30.2	31.2	33.1	35	35.9	36.9	37.8	38.8	39.7	40.7	41.7	42.7	43.6	44.6	45.5	46.5	47.5	48.6	49.5

# URL | 200-F24

URL200-1A-F24I.5-1000-C  
Base width 200mm, Linear type



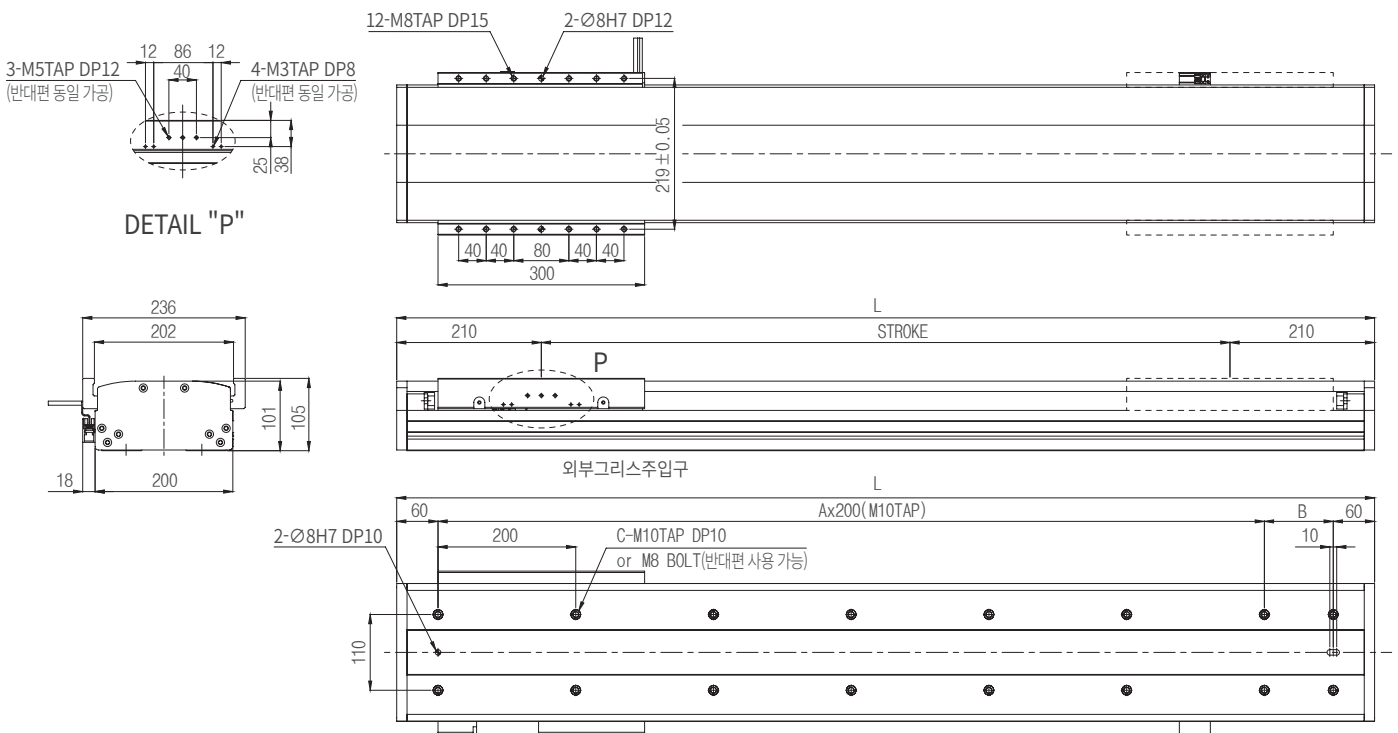
Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	200	- 1	A - F24	I	.5	- 1000	- C	
		1: Mover 1ea 2: Mover 2ea 3: Mover 3ea	A: Standard type B: Customized type	F24: 240N F36: 360N	I: Incremental type A: Absolute type	.5 : 0.5μm 01 : 1μm 10 : 10μm M5: 50nm N5: 5nm		C: OutSide 3 Sensors (Customized)Option (Page 121 참조)

## • Specification

Continus force / Peak force (N)	240 / 600
LM Guide	No.20 (2Rail 4Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	12(2G), 16(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	1359	1134	480



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	820	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	29.1	30.3	31.5	32.7	33.9	35.1	36.3	37.5	38.7	39.9	41.1	42.3	43.5	44.7	45.9	47.1	48.3	49.5	50.7	51.9	53.1	54.3	55.5	56.7	57.9	59.1





URL200-1A-F36I.5-1000-C  
Base width 200mm, Linear type

# URL | 200-F36

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	200	- 1	A - F36		I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F24: 240N  
F36: 360N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01: 1μm  
10: 10μm  
M5: 50nm  
N5: 5nm

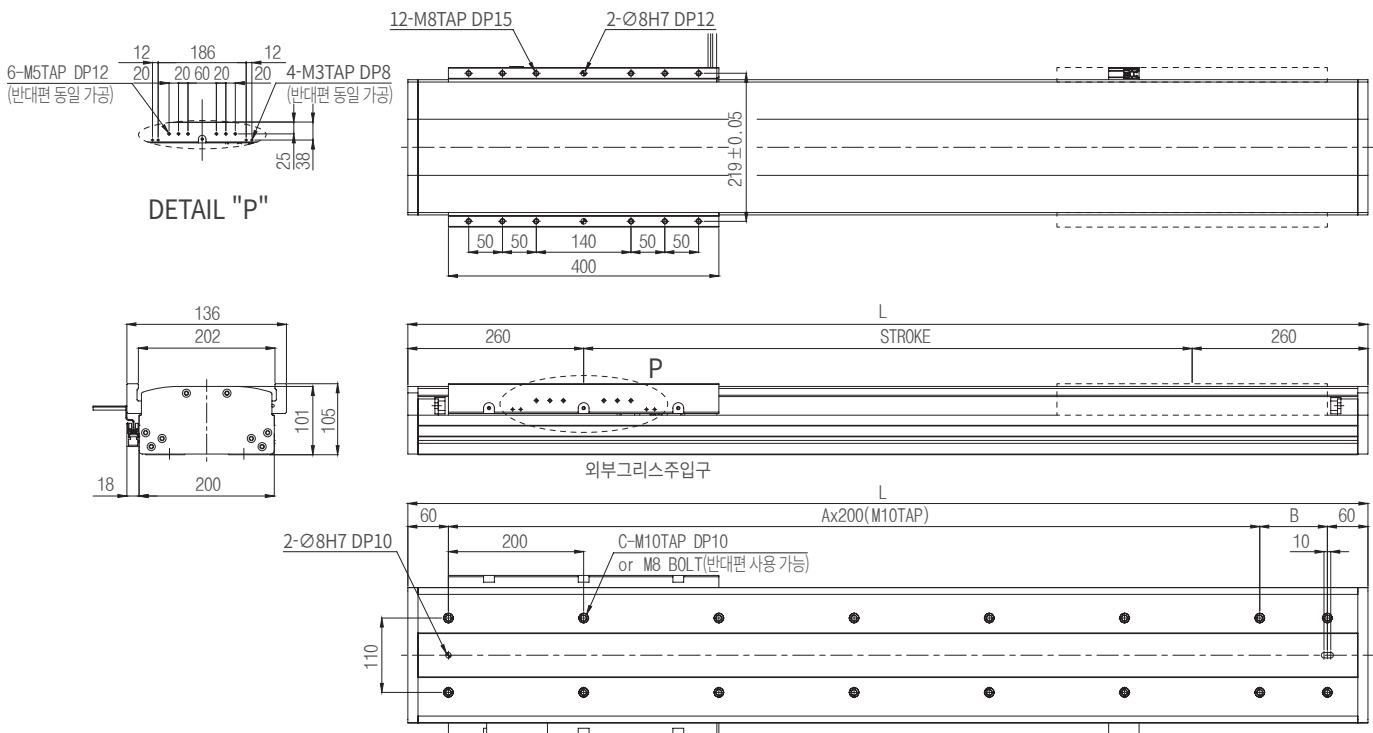
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## • Specification

Continus force / Peak force (N)	360 / 900
LM Guide	No.20 (2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	20(2G), 31(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	2265	1890	530



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170
A	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24
Weight (kg)	34.6	35.8	37	38.2	39.4	40.6	41.8	43	44.2	45.4	46.6	47.8	49	50.2	51.4	52.6	53.8	55	56.2	57.4	58.6	59.8	61	62.2	63.4	64.6

# URL | 240-F48

URL240-1A-F48I.5-1000-C  
Base width 240mm, Linear type



Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	240	- 1	A - F48		I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F48: 480N  
F72: 720N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01: 1μm  
10: 10μm  
M5: 50nm  
N5: 5nm

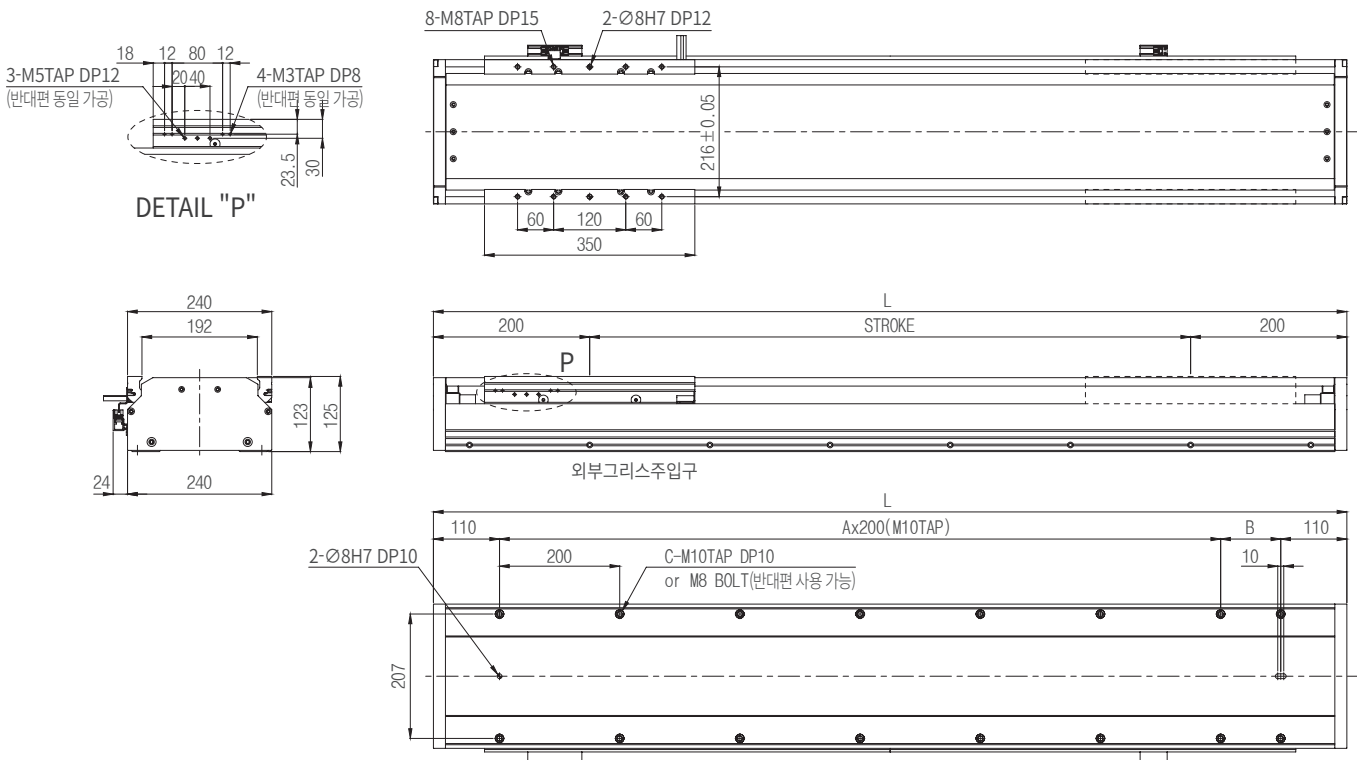
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## Specification

Continus force / Peak force (N)	480 / 1200
LM Guide	No.25 (2Rail 4Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	33(2G), 50(1G)
Color	White / Black

## Allowable Overhung Load

Static Admissible State (N-m)	MP0	MY0	MR0
	2646	2214	858



## Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	47.3	49.1	50.9	52.7	54.5	56.3	58.1	59.9	61.7	63.5	65.3	67.1	68.9	70.7	72.5	74.3	76.1	77.9	79.7	81.5	83.3	85.1	86.9	88.7	90.5	92.3



URL240-1A-F72I.5-1000-C  
Base width 240mm, Linear type

# URL | 240-F72

Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	240	- 1	A - F72		I	.5	- 1000	- C

1: Mover 1ea  
2: Mover 2ea  
3: Mover 3ea

A: Standard type  
B: Customized type

F48: 480N  
F72: 720N

I: Incremental type  
A: Absolute type

.5 : 0.5μm  
01: 1μm  
10: 10μm  
M5: 50nm  
N5: 5nm

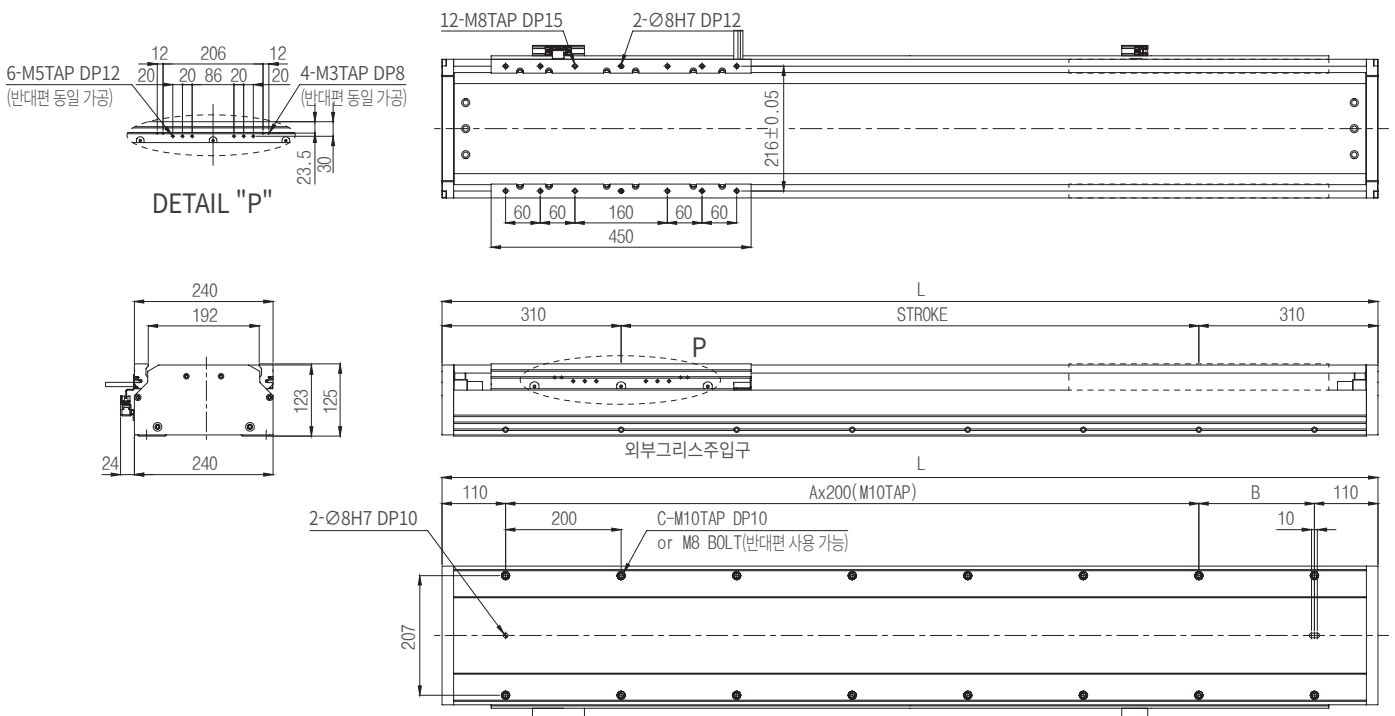
C: OutSide 3 Sensors  
(Customized)Option  
(Page 121 참조)

## • Specification

Continus force / Peak force (N)	720 / 1800
LM Guide	No.25 (2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	52(2G), 79(1G)
Color	White / Black

## • Allowable Overhung Load

Static Admissible State (N-m)	M <sub>PO</sub>	M <sub>YO</sub>	M <sub>RO</sub>
	4410	3690	915



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170	2220	2270
A	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10
B	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
C	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24
Weight (kg)	56.3	58.1	59.9	61.7	63.5	65.3	67.1	68.9	70.7	72.5	74.3	76.1	77.9	79.7	81.5	83.3	85.1	86.9	88.7	90.5	92.3	94.1	95.9	97.7	99.5	101.3

# URL | 300-F72

URL300-1A-F72I.5-1000-C  
Base width 300mm, Linear type



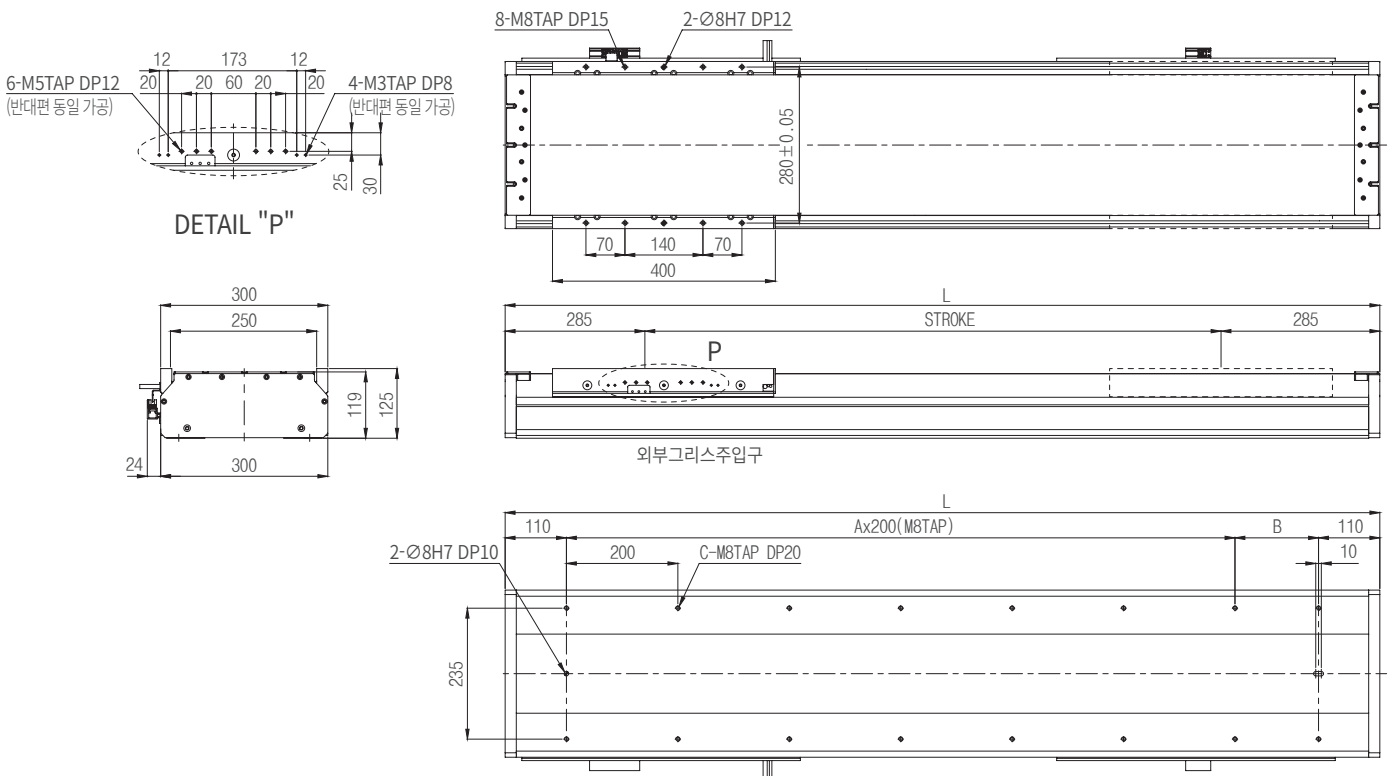
Model	Base width	Slider(Mover)	Type	Rated force	Encoder type	Resolution	Stroke	Option
URL	300	- 1	A - F72		I	.5	- 1000	- C
		1: Mover 1ea 2: Mover 2ea 3: Mover 3ea	A: Standard type B: Customized type	F72: 720N F96: 960N	I: Incremental type A: Absolute type	.5 : 0.5μm 01: 1μm 10: 10μm M5: 50nm N5: 5nm		C: OutSide 3 Sensors (Customized)Option (Page 121 참조)

## • Specification

Continus force / Peak force (N)	720 / 1800
LM Guide	No.25(No.30)(2Rail 6Block)
Maximum speed (mm/s)	2000
Grating pitch (mm)	0.04
Repeatability (mm)	0.001
Payload (kg)	52(2G), 79(1G)
Color	White / Black

## • Allowable Overhung Load

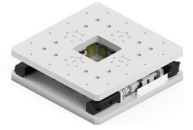
Static Admissible State (N-m)	MP0	MY0	MR0
	4650	3780	980



## • Stroke & Dimension

Stroke	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
L	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170	2220
A	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
B	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200	250	100	150	200
C	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
Weight (kg)	62.6	64.7	66.8	68.9	71.1	73.2	75.4	77.5	79.6	81.7	83.9	86	88.1	90.2	92.4	94.5	96.7	98.8	100.9	103	105.2	107.3	109.5	111.6	113.7	115.8





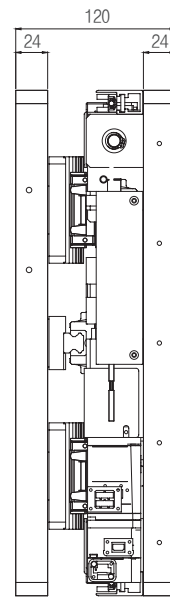
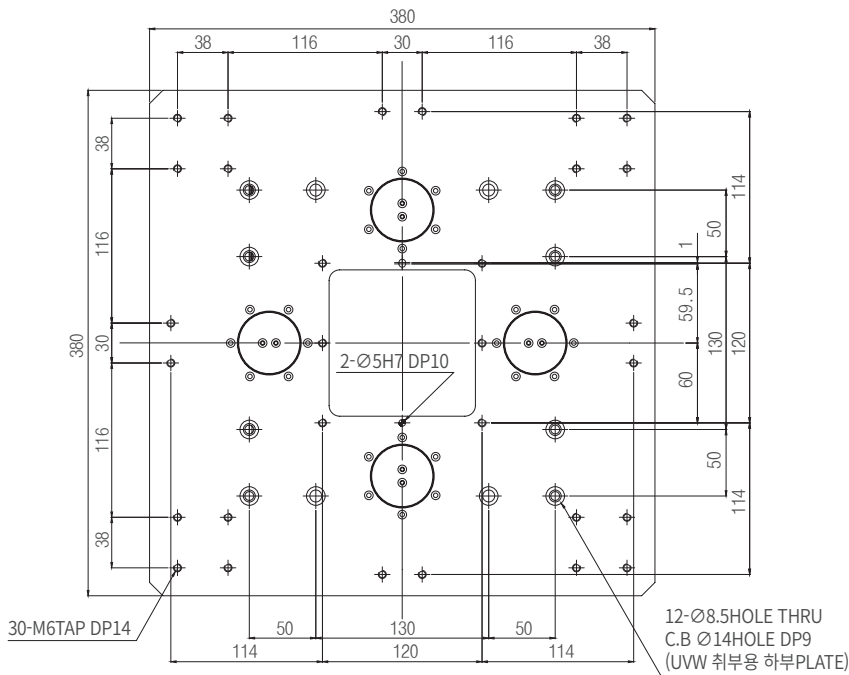
Model	Top Table Width	Motor Axis	Motor Type
UPS - DS	380X380	X4	S

X3: X3:Motor 3개  
X4: X4:Motor 4개

S: S:Servo  
T: T:Step

## • Specification

Input Motor (W)	Ball Screw	Lm Guide	Cross Roller Bearing	Motor	Pay Load
UPS-DS-100X100-X4-S	0802	CROSS ROLLER	CB2008UU	50W	15Kg
UPS-DS-200X200-X4-S	0802	#9	CRBF108	100W	30Kg
UPS-DS-300X300-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-360X360-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-380X380-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-400X400-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-550X550-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-750X750-X4-S	1402	#15	CS42UU	100W	60Kg
UPS-DS-1000X1000-X4-S	2005	#20	CB5013	400W	100Kg
UPS-DS-1500X1500-X4-S	2005	#20	CB5013	400W	100Kg



\*NOTE\*  
1.Motor: Mitsubishi servo motor J4 series

## • 특징

- > 동일 평면상의 X-Y이송 및  $\theta$ (회전)운동이 가능한 스테이지
- > 한 면에 3~4개의 어셈블리(Ball Screw, Lm Guide, Cross Roller Bearing) 사용하여 규격화
- > 상부 테이블의 다양화로 고객이 원하는 UNIT 표준화
- > 반도체 장비, 디스플레이 장비, 검사 장비에 활용 가능
- > PCB 기판 제조장비, 검사 장비에 활용 가능
- > 탈 부착이 용이하여 부품화 설계가 가능

●● Mounting bracket

**Bracket Type**

URZ-P(Plus)



URZ-P1

X+Y



URZ-B(Back)



URZ-B1

X+Y



URZ-C(Compass)



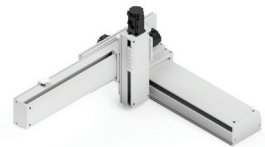
URZ-C1

X+Y



URZ-C2

X+Y+Z



URZ-M(Mirror)



URZ-M1

X+Y



URZ-M2

X+Y+Z



URZ-Z(Z Axis)



URZ-Z1

X+Y



URS

URC

URD

URB

URL

UPS

URZ

LMS

## LMS 솔루션이란?



### ●● LMS 적용 어플리케이션



Flat Screens



OLED Lighting



Photovoltaic Solar Cells



Photovoltaic Thin Film



Semiconductors



Optical Components



Wafer Processing



Flexible Production Lines

Display

Semiconductor

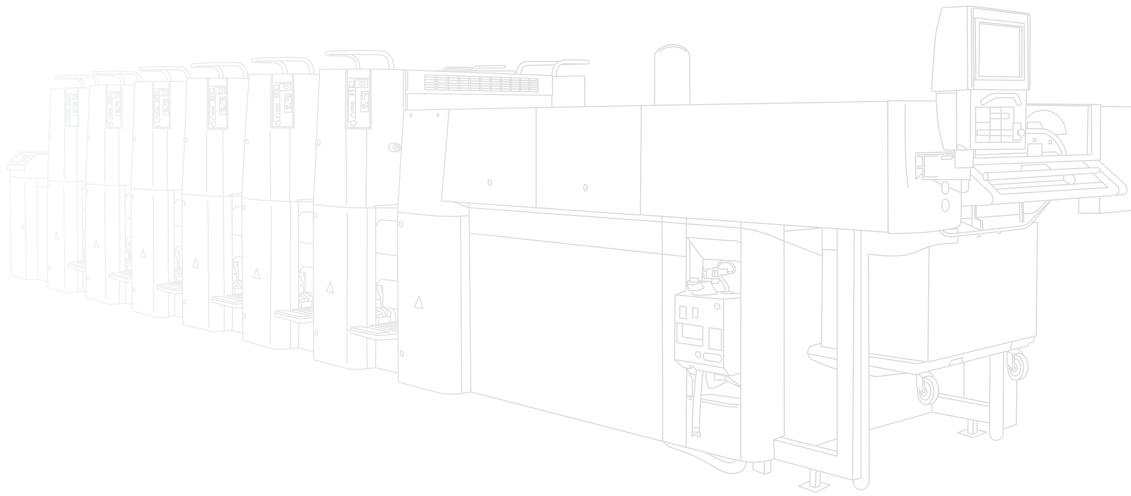
Solar Cell

Battery

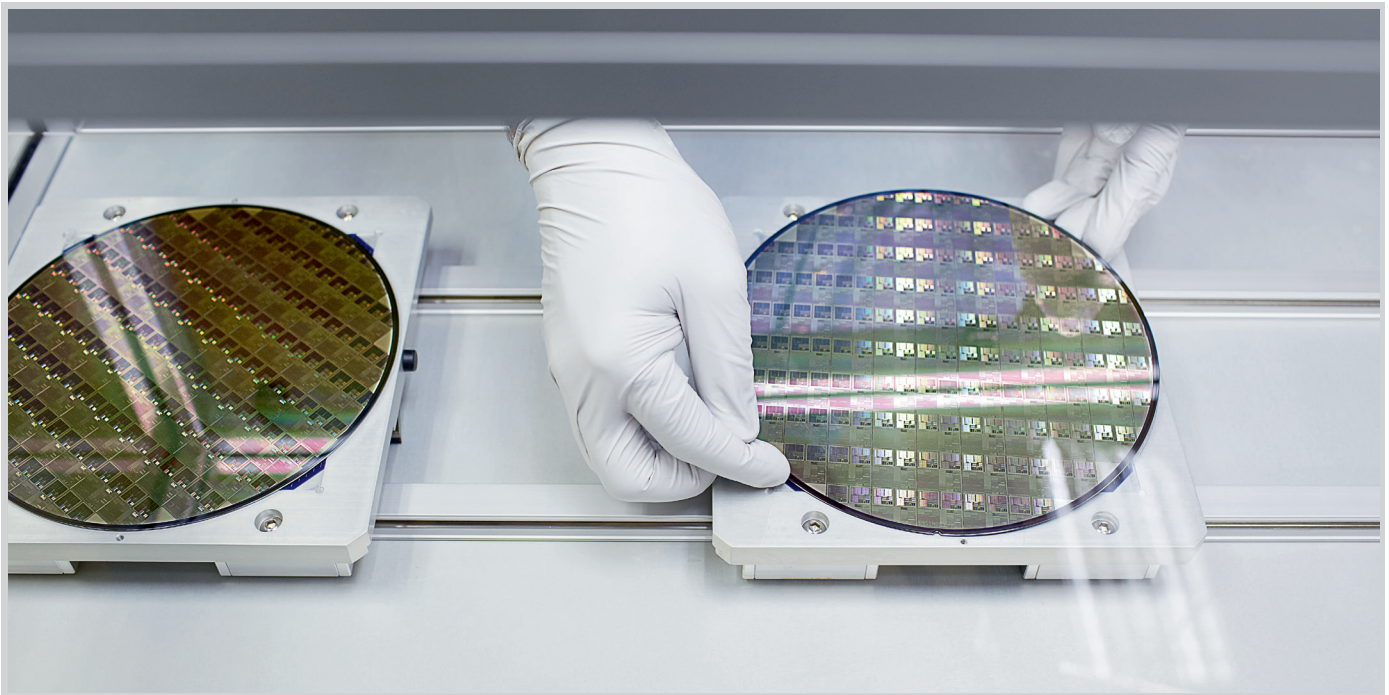
Food



보쉬 렉스로스 LMS(Linear Motion System)는 Display, Semiconductor, Solar cell, Battery, Food 등 고진공, 고온의 환경, 화학 가스 같은 열악한 환경 및 조립라인에서 캐리어를 정밀 이송할 수 있는 솔루션입니다.



## ●● LMS 적용 가능 특수 환경



Clean room

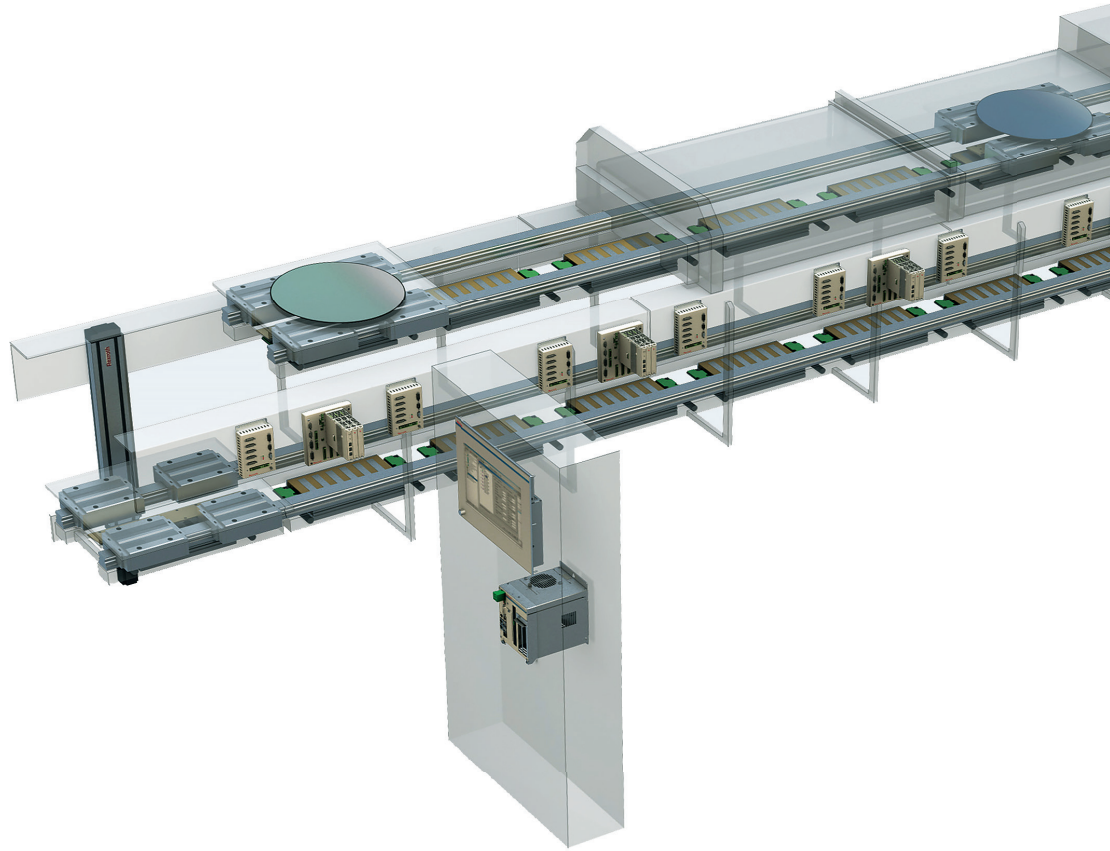
Vacuum

Gas

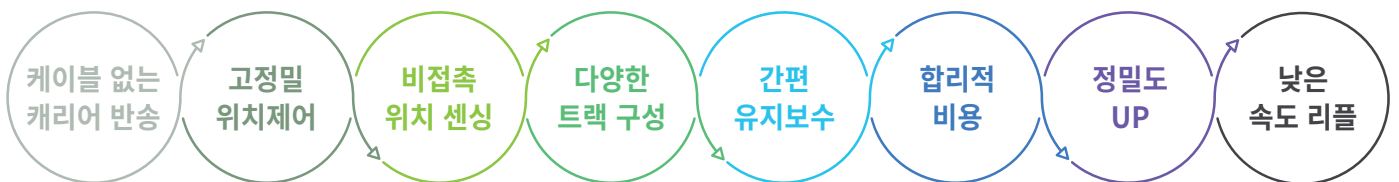
High temperature

## LMS 솔루션 장점

다수의 캐리어를 독립적으로 구동할 수 있는 LMS 솔루션은 정밀하게 동작되며 복잡한 모션이 요구되는 어플리케이션에 최적의 솔루션입니다. LMS 솔루션은 고하중 캐리어 구동을 지원할 뿐만 아니라 고속 모션도 지원합니다.

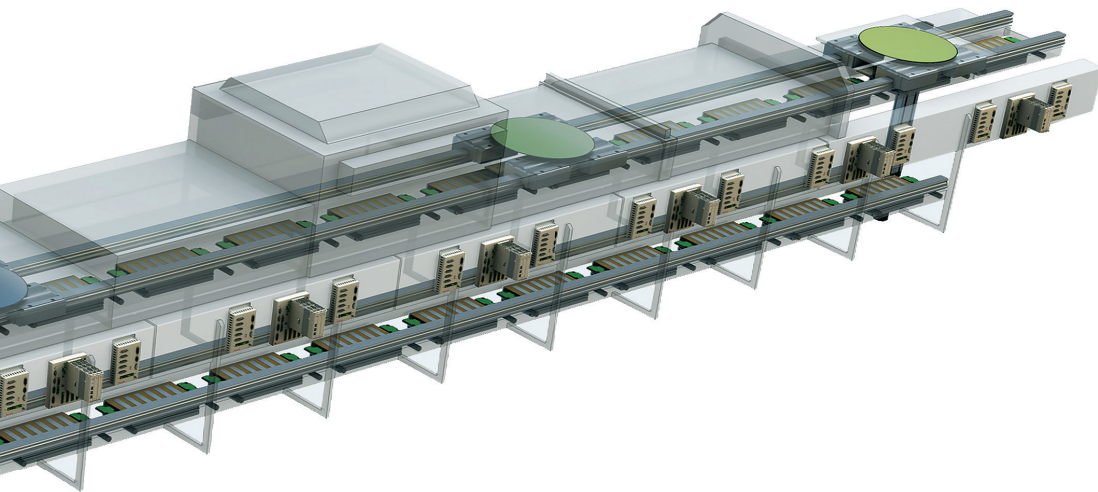


### ●●● LMS 솔루션 장점



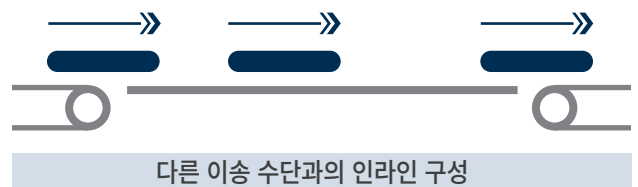
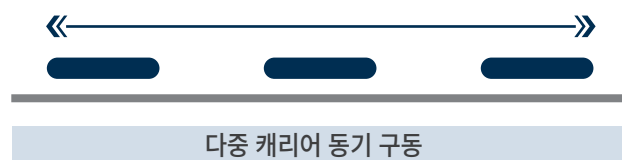
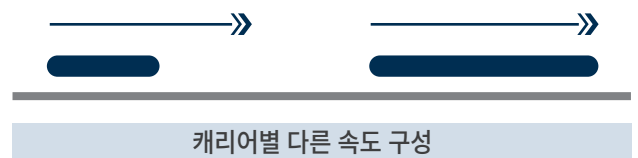
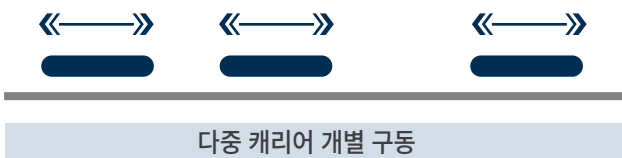
- > 진공 내 케이블이 없는 캐리어 반송
- > 진공 및 특수 환경에서 멀티 캐리어를 독립적으로 속도 및 고정밀 위치 제어
- > 홀센서 또는 MR센서 이용한 비접촉 캐리어 위치 센싱
- > 리니어 트랙 및 타원형 트랙 등 다양한 트랙 구성 가능

- > 간편한 유지보수
- > 적은 유지 및 보수 비용
- > 높은 위치 반복 정밀도
- > 낮은 속도 리플



ASTO

●● 자유로운 캐리어 구동

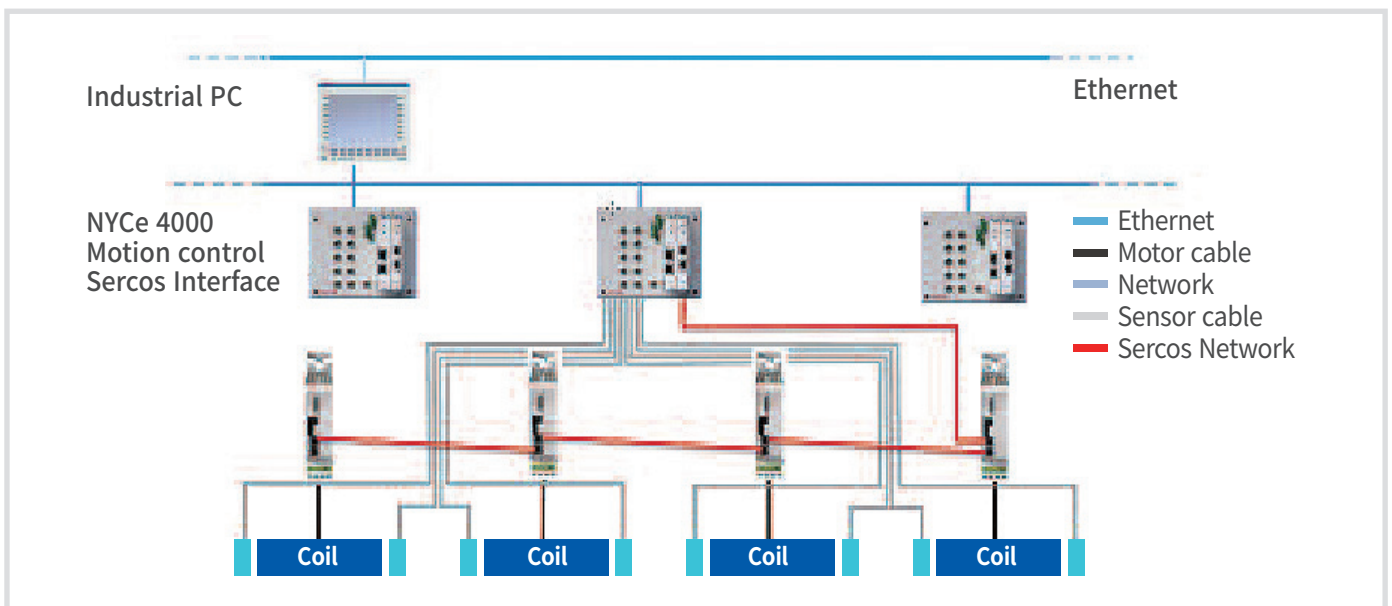
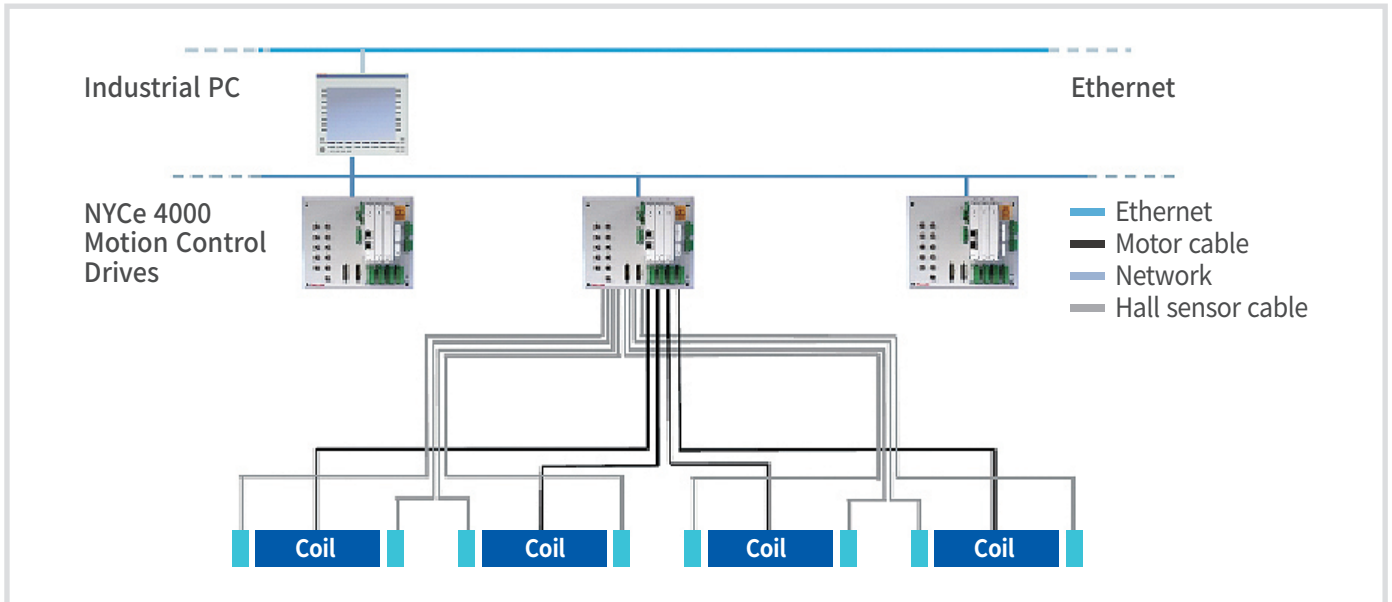


## 제품 구성

NYCe4000 LMS 소프트웨어는 1대의 PC로 구성된 시스템에서 최대 96개 트랙, 32개 캐리어, 96축을 지원합니다.

### ●● LMS(Linear Motion System) 솔루션 구성 :

LMS는 모든 종류의 생산 환경에 최적화된 제어 유닛을 포함하며, 실시간 분산 네트워크 기반의 각 유닛은 정확한 타이밍으로 고정밀 위치 제어 및 속도 제어를 수행합니다. 각 노드는 이더넷(IEEE802.3) 실시간 버스를 통해 통신하며, PC에 설치된 LMS 제어 소프트웨어와 통신합니다.



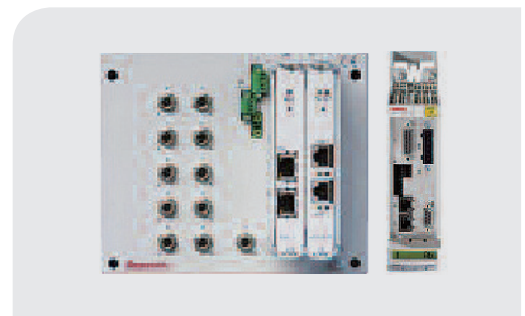
## ● Backplane(노드)-NY4074

- > 1개의 MCU 와 2개의 드라이브 카드를 삽입
- > 4개의 모터 커넥터 연결
- > 2개의 드라이브 파워 연결
- > 디지털 입출력 커넥터 연결



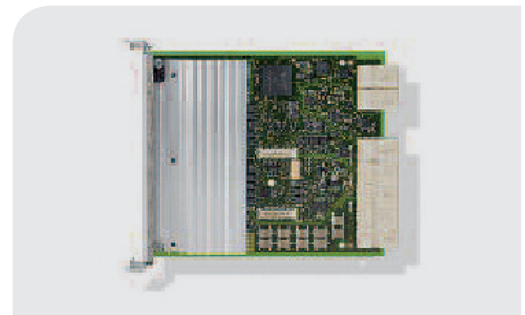
## ● Backplane(노드)-NY4079, 외장 드라이브

- > 4개의 모터 커넥터 연결
- > 1개의 MCU와 1개의 통신카드 삽입
- > 4개의 외장 드라이브 연결
- > 드라이브 통신카드를 이용한 외장드라이브 연결



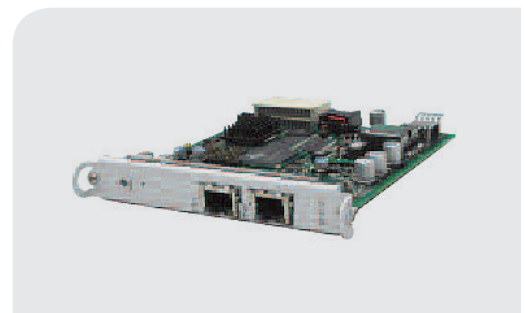
## ● LMS 내장 드라이브-NY4120

- > DC 입력 전압 : 15 ~ 75 볼트
- > 2축 제어
- > 정격 전류 7 암페어(RMS) / 최대전류 20 암페어



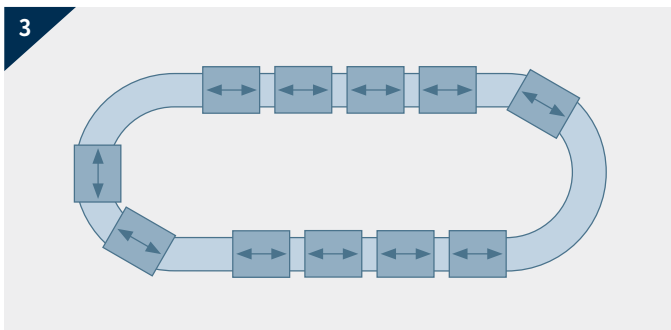
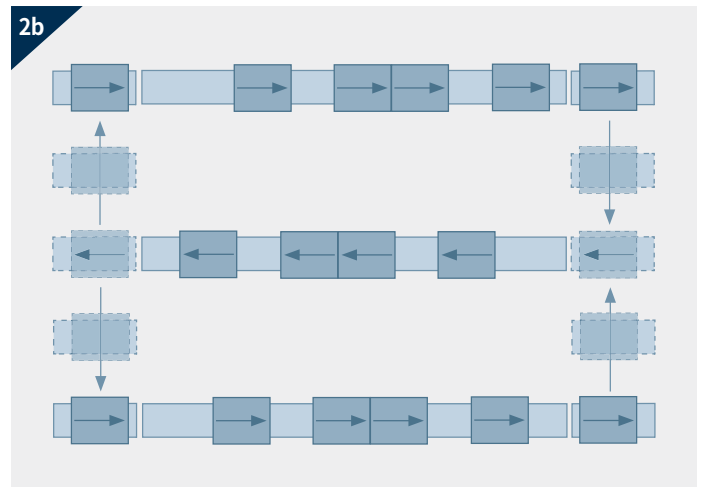
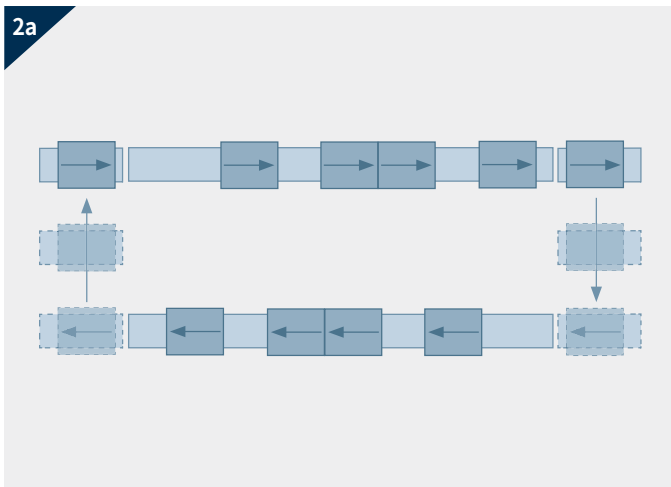
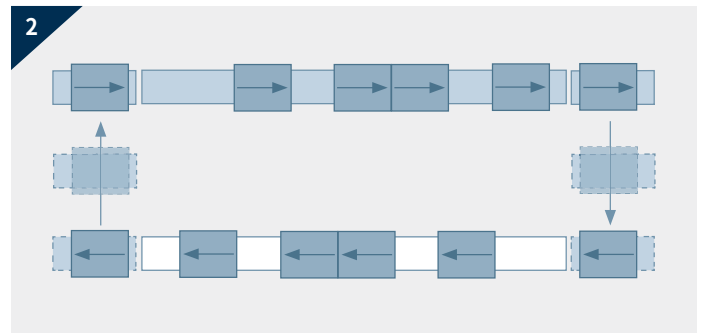
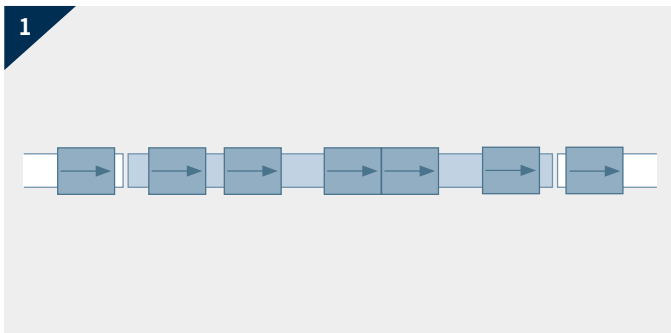
## ● MCU(모션제어유닛)-NY4114





- > Backplane 의 첫 번째 슬롯에 MCU 삽입
- > 드라이브에 제어 신호 전달
- > 캐리어 위치 인터폴레이션 (보간) 수행
- > PC제어 방식
- > 이더넷(IEEE802.3) 통신



## 유연한 트랙구성

LMS솔루션은 다양한 다른 공정 조건에 적용할 수 있는 컨셉을 제공하며, 각 어플리케이션에 **유연한 구성**이 가능합니다.



-  > 트랙 사이에서 방향 변환의 모터와 캐리어
-  > 캐리어 구동 방향
-  > 모터에 대한 LMS 트랙
-  > 외부 이송 시스템 - 예) 컨베이어 벨트

● 1  
**인라인 이송 :**  
두 컨베이어 벨트 사이에  
LMS를 통해 구동

● 2  
**순환 이송  
(Ferry Track)**  
트랙과 트랙 사이를  
캐리어 구동

● 2a  
**LMS를 통해 구동 후  
외부 컨베이어 통해  
리턴**

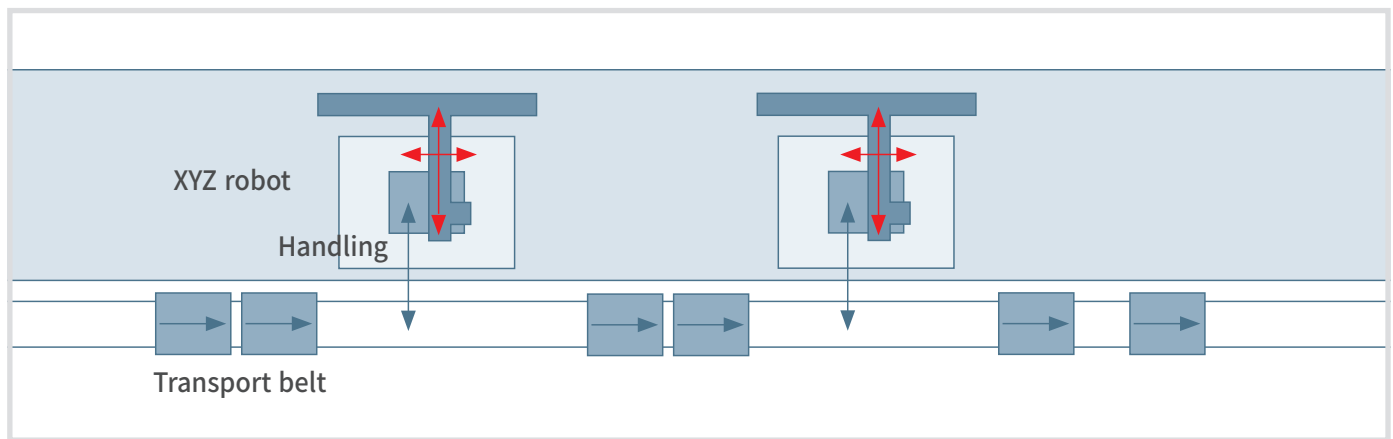
● 2b  
**중간 트랙  
추가 리턴 구성**으로  
더 빠른 프로세스 처리

● 3  
**커브 순환 이송  
(Oval Track)**

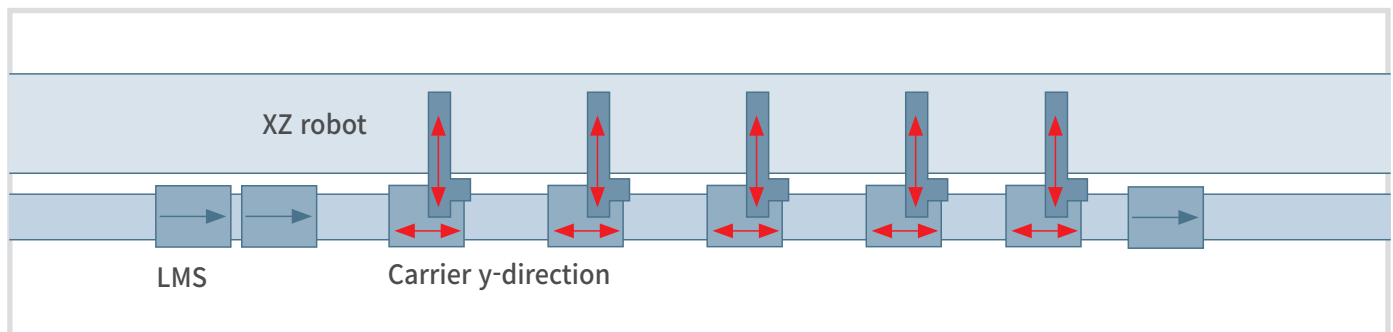
# LMS 솔루션을 통한 조립 라인 기술

기존의 시스템 구성에서 더 심플하고 컴팩트한 LMS 구성이 가능합니다. 각각의 캐리어는 개별적으로 구동될 수 있습니다.

## ●● 두 개의 XYZ로봇과 기존 시스템 구성

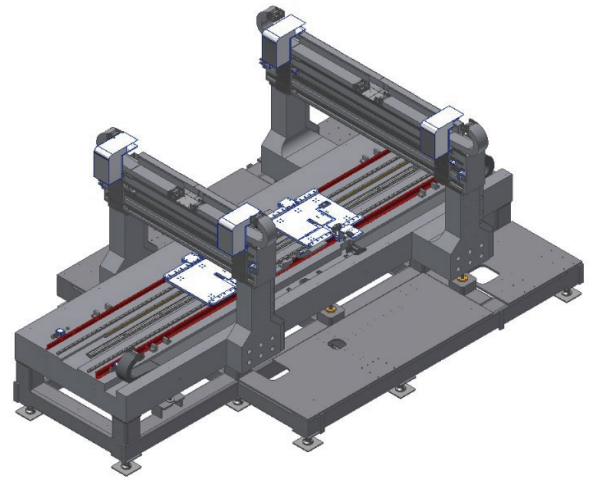
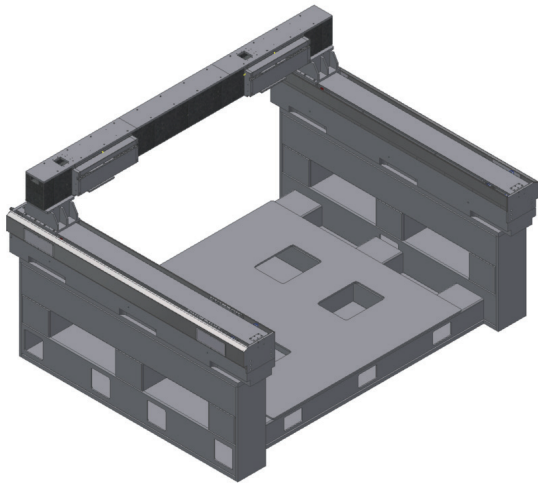


## ●● 다섯 개의 XZ로봇과 LMS



## ●● Performance

- > Independent control of any number of carriers
- > Position repeatability per carrier
  - $\pm 20 \mu\text{m}$  (Hall sensor)
  - $\pm 5 \mu\text{m}$  (MR sensor)
- > Positioning accuracy (for different carriers)
  - $\pm 300 \mu\text{m}$  (Hall sensor)
  - $\pm 100 \mu\text{m}$  (with teaching)
  - $\pm 22 \mu\text{m}$  (MR sensor)
- > Velocities from 0 to 5 m/s
- > Velocity ripples (at 20 mm/s)
  - $\pm 10 \%$  (Hall sensor)
  - $\pm 5 \%$  (with teaching)
- > Magnet plates
  - standard or vacuum compatible up to  $10^{-8}$  mBar
  - temperature up to 70 °C (NdFeB) or 150 °C (SmCo)
- > Distance between motor and magnet plate 1-8 mm
- > Carrier weights from 1 to more than 1,500 kg
- > Large power range from 100 W to 32 kW



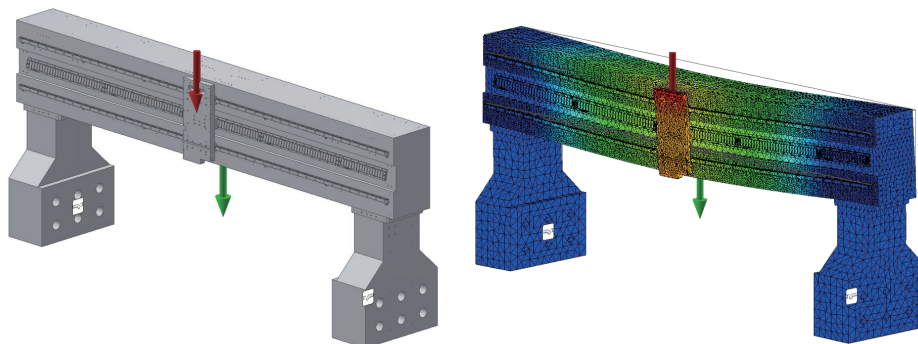
## Display(OLED, LCD, LED), Semicon, Photovoltaic, ICT

### ●● Applications

Slit Coater, Scriber, AOI, Inkjet Printer, Glass inspection, Photo Mask Repair, Laser Drilling M/C, Laser Sawing M/C, Laser Marking M/C, etc

### ●● Key Features

- > Glass size : G2 ~ G11
- > 최대속도 : Up to 2,000mm/sec
- > 위치정밀도 :  $\pm 2\mu\text{m}$
- > 반복정밀도 :  $\pm 1\mu\text{m}$
- > 고강성, 고가반하중 대응 설계
- > 다양한 고객 니즈별 맞춤 설계



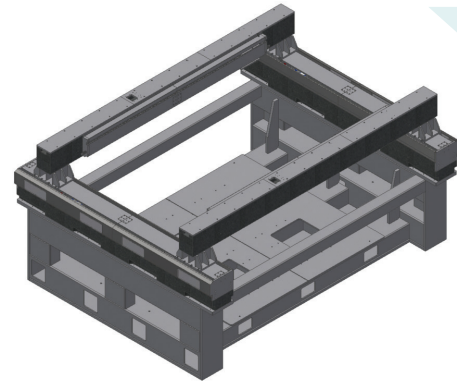
FEM Analysis (Displacement)



## ●● Dual Gantry

### ● Specification

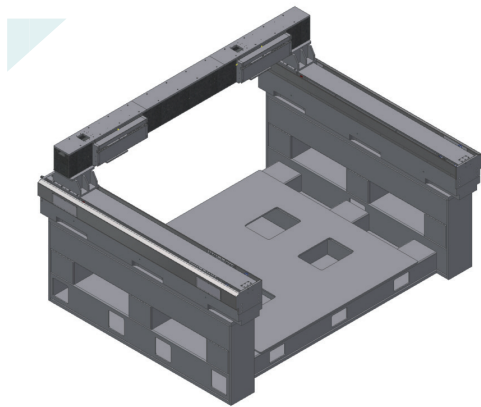
Description	Units	X1	X2	Y1/Y2
Stroke	mm	150	150	2,100
Straightness	μm	±10	±10	±10
Stroke	μm	±10	±10	±10
Accuracy	μm	±5	±5	±5
Repeatability	μm	±3	±3	±3
Max. Velocity	mm/s	1,000	1,000	2,000
Max. Accelation	G	0.5	0.5	0.5
Payload	kg	-	-	500
Squareness	μm	10	10	



## ●● Single Gantry

### ● Specification

Description	Units	X1	X2	Y1/Y2
Stroke	mm	2,000	2,000	150
Straightness	μm	±10	±10	±10
Flatness	μm	±10	±10	±10
Accuracy	μm	±5	±5	±5
Repeatability	μm	±3	±3	±3
Max. Velocity	mm/s	1,500	1,500	1,000
Max. Accelation	G	0.5	0.5	0.5
Payload	kg	-	-	450
Squareness	μm	10	10	



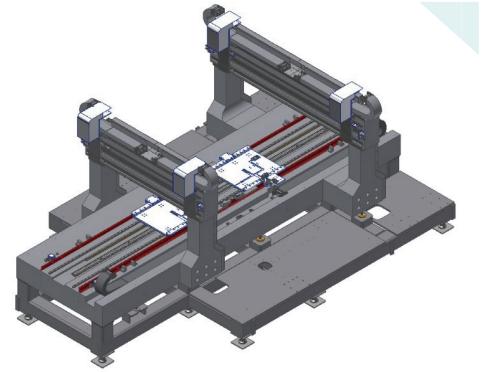
# Hybrid Stage

Dual Bridge,  
Single Bridge

## ●● Dual Bridge

### ● Specification

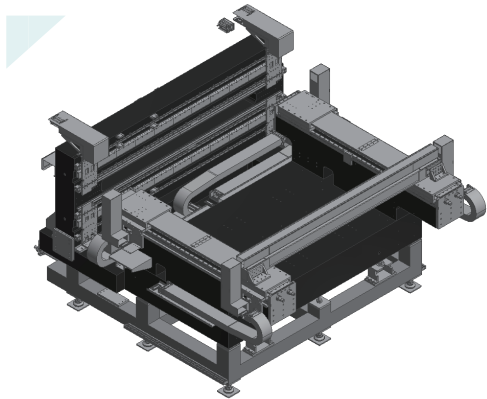
Description	Units	X1	X2	Y
Stroke	mm	1,300	1,900	2,300
Straightness	$\mu\text{m}$	$\pm 10$	$\pm 10$	$\pm 10$
Flatness	$\mu\text{m}$	$\pm 10$	$\pm 10$	$\pm 10$
Yaw	arcsec	$\pm 15$	$\pm 15$	$\pm 15$
Pitch	arcsec	$\pm 15$	$\pm 15$	$\pm 15$
Squareness	$\mu\text{m}$	$\pm 10$	$\pm 10$	



## ●● Single Bridge

### ● Specification

Description	Units	X	Y
Stroke	mm	2,200	1,600
Straightness	$\mu\text{m}$	$\pm 10$	$\pm 10$
Flatness	$\mu\text{m}$	$\pm 10$	$\pm 10$
Yaw	arcsec	$\pm 15$	$\pm 15$
Pitch	arcsec	$\pm 15$	$\pm 15$
Squareness	$\mu\text{m}$	$\pm 10$	

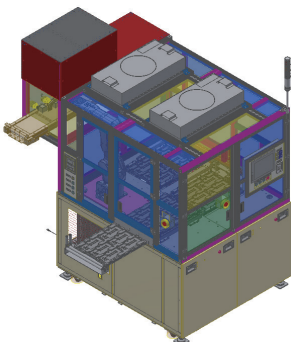


ASTO

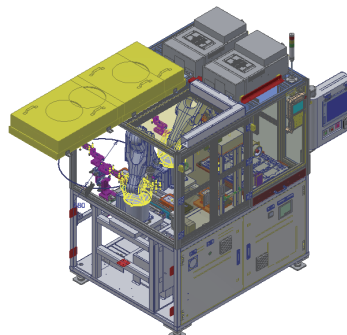
**Display(OLED, LCD, LED), Semicon, Photovoltaic, ICT,  
Automobile, Chemistry, Food & Beverage, Bio**

## ●● Portfolio

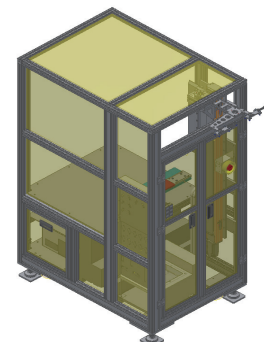
- > Coater
- > Dispenser
- > Assembly & Sealing
- > Testing & Inspection
- > Processing Logistics
- > Packaging & Palletizing
- > Factory Automation



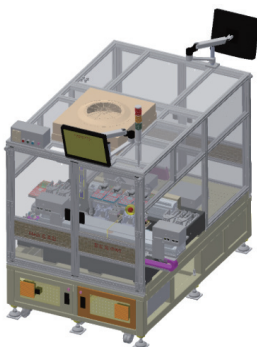
Unloader



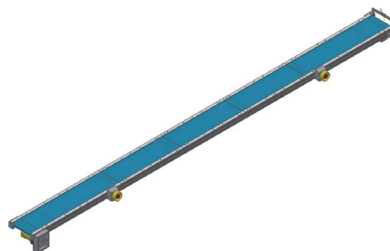
Loader



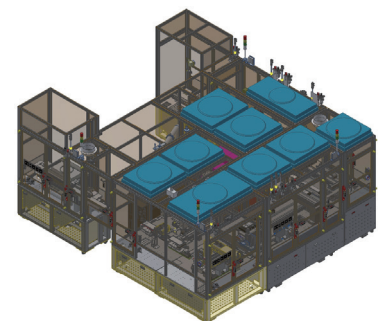
Lifter



Panel Inspector



Conveyor



Processing Logistics



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## (주)아스토

**본점 및 제1·2·3공장** 충청남도 천안시 서북구 수레터1길 24 **Tel.** 041-588-8852 **Fax.** 041-588-8853

**사무동** 충청남도 아산시 음봉면 월산로 192-114, 2층 **Tel.** 041-532-5804 **Fax.** 041-531-5805

**동탄설계실** 경기도 화성시 메타폴리스로42(반송동 103-3) 디앤씨프라자 604호 **Tel.** 031-8015-2831 **Fax.** 031-8015-2832