

1.

()

() Ballscrew Clean , ,

DRM-C Series

1.1.

가

, “2. ” 가

:

가

:

가

:

End Effector

가

()

2.

2.1.

: 가 , 가 .

가 가

가 가

(250mm/sec) 가 가

: 가 가 , 가

가 가 (Body가 Body)가

: Size 가 가

가 가

가 가 ,

: , Stroke

: 가 가

: 가 가

2.2.

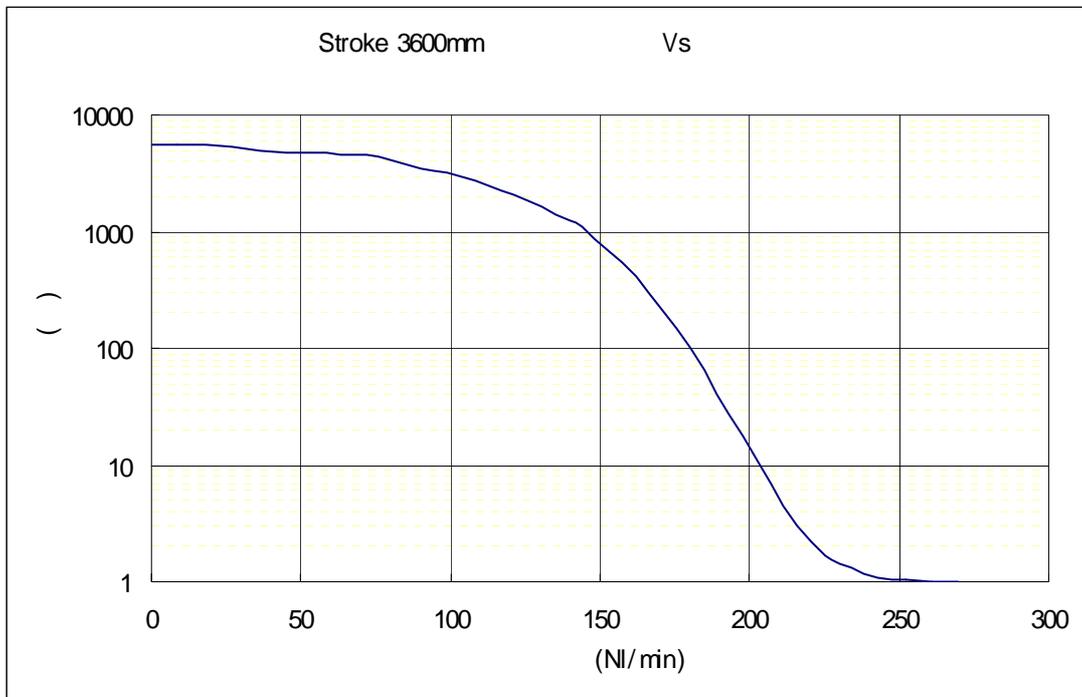
- : 가 .
- : , 가 , 가 가 .
- : Stroke Damper가
Damper Slider가
Slider가 Damper " 8.
- :
- :
(: 0.1mm)
- : End Effector* Slider ,
6.8, 6.9 .
- :
- :
- : 0~40 , ,
- : Clean Class 100 .

* End Effector : Gripper,
Holder,

3.

Clean Class 100

Stainless Steel Band가



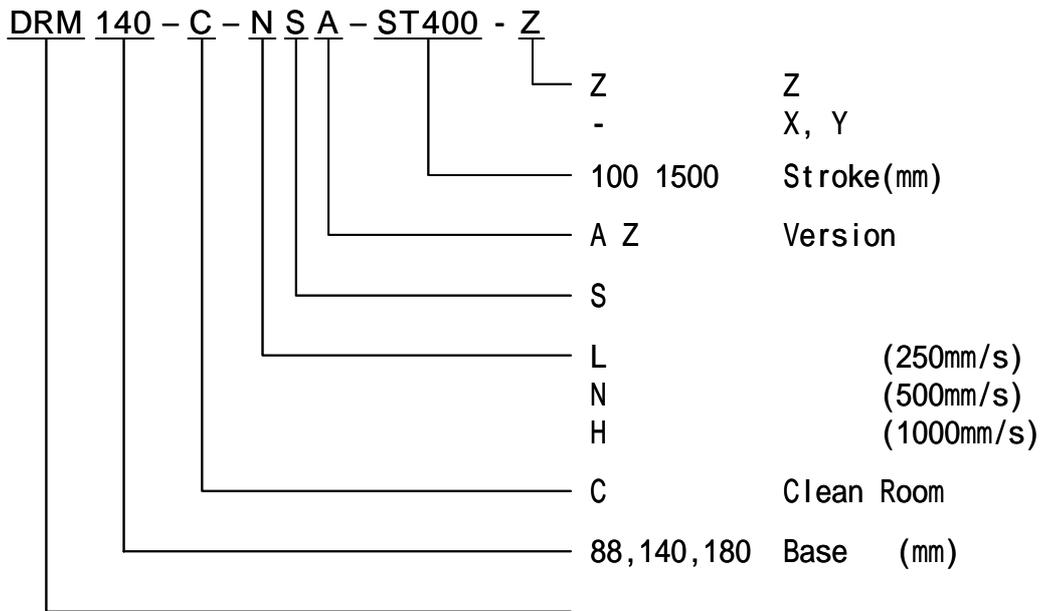
Ball screw Linear Motion Guide
가

AC Servo Motor , 가 가

Compact Design

4.

4.1.

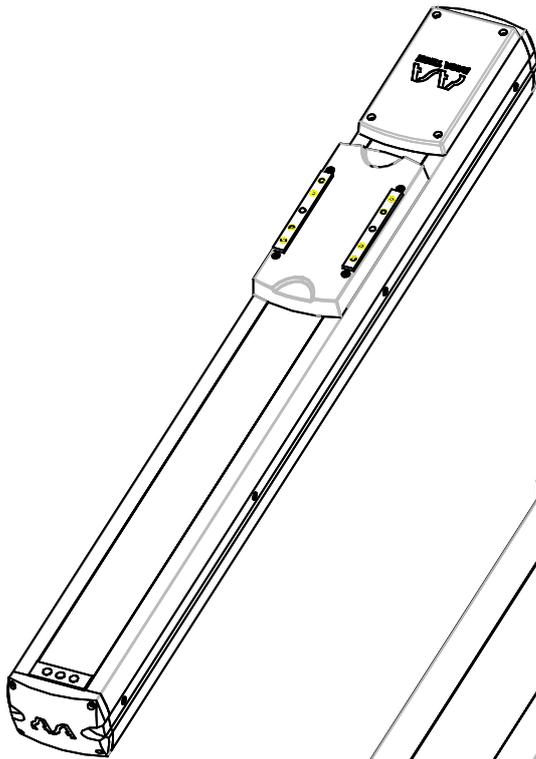


4.2.

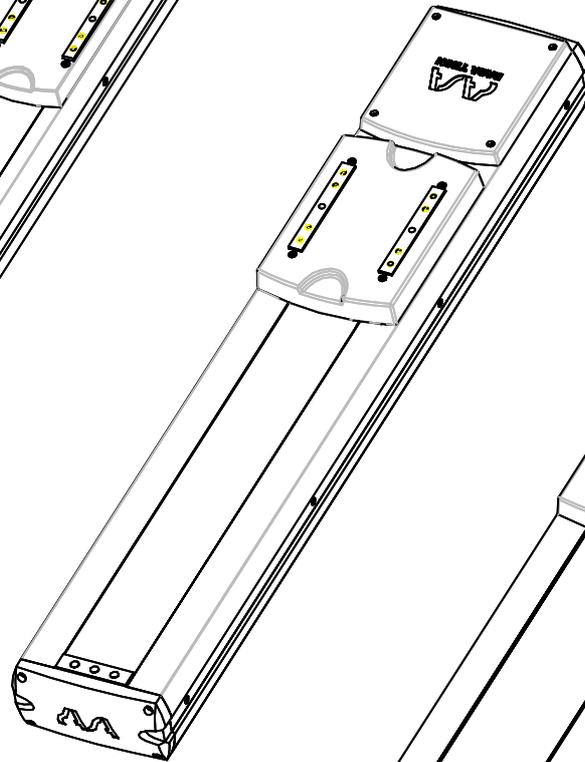
Base		Stroke		Pay Load		Motor(AC Servo)
mm		mm	mm/sec	kgf	mm	Watt
88	DRM 88 - C - NSA	100	500	15	±0.02	100
	DRM 88 - C - HSA		1000	10		100
	DRM 88 - C - NSA - Z	~800	500	7		100(BRAKE)
	DRM 88 - C - LSA - Z		250	15		100(BRAKE)
140	DRM140 - C - NSA	200	500	40		200
	DRM140 - C - HSA		1000	25		200
	DRM140 - C - NSA - Z	~1100	500	20		200(BRAKE)
	DRM140 - C - LSA - Z		250	35		200(BRAKE)
180	DRM180 - C - NSA	200	500	70	400	
	DRM180 - C - HSA		1000	40	400	
	DRM180 - C - NSA - Z	~1500	500	35	400(BRAKE)	
	DRM180 - C - LSA - Z		250	45	400(BRAKE)	

5.

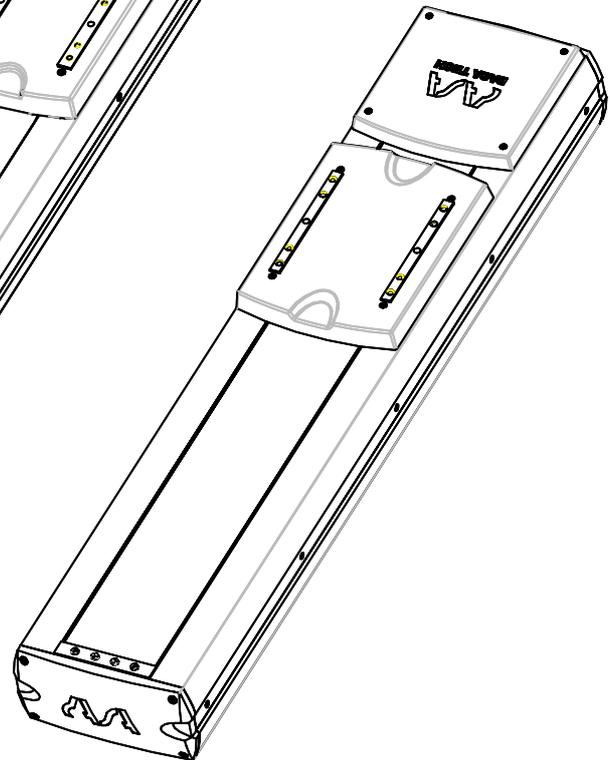
5.1.



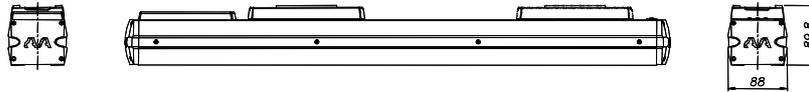
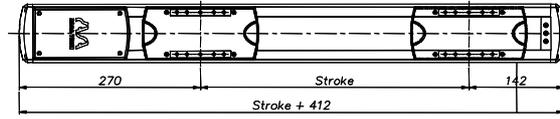
DRM88-C-NSA



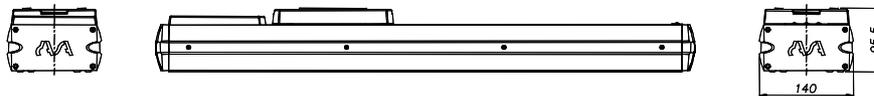
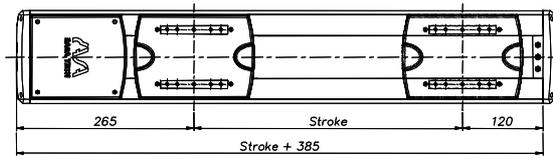
DRM140-C-NSA



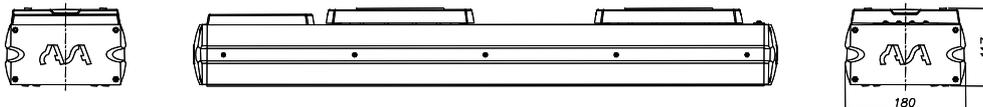
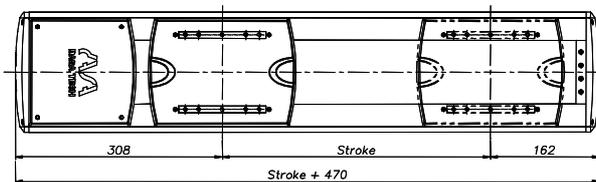
DRM180-C-NSA



DRM88-C-NSA

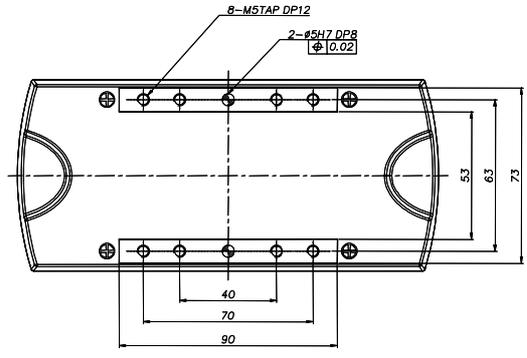


DRM140-C-NSA

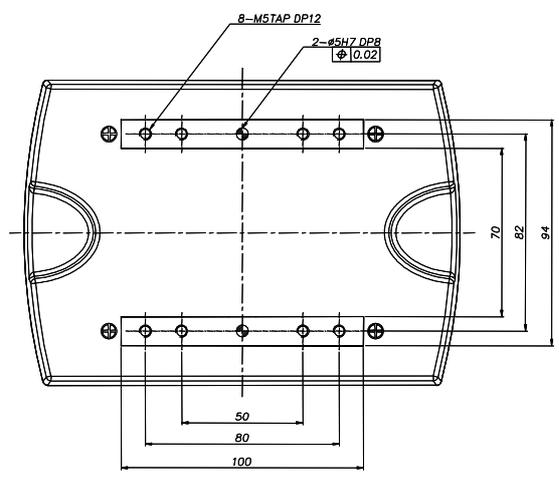


DRM180-C-NSA

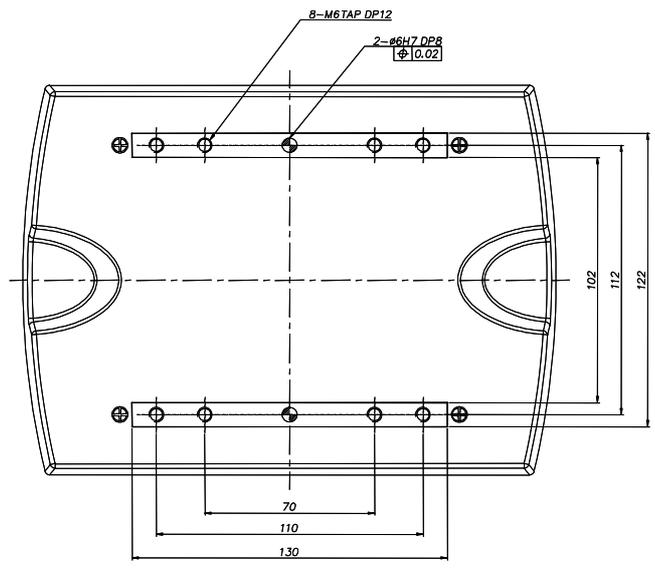
Slider



DRM88-C-NSA SLIDER

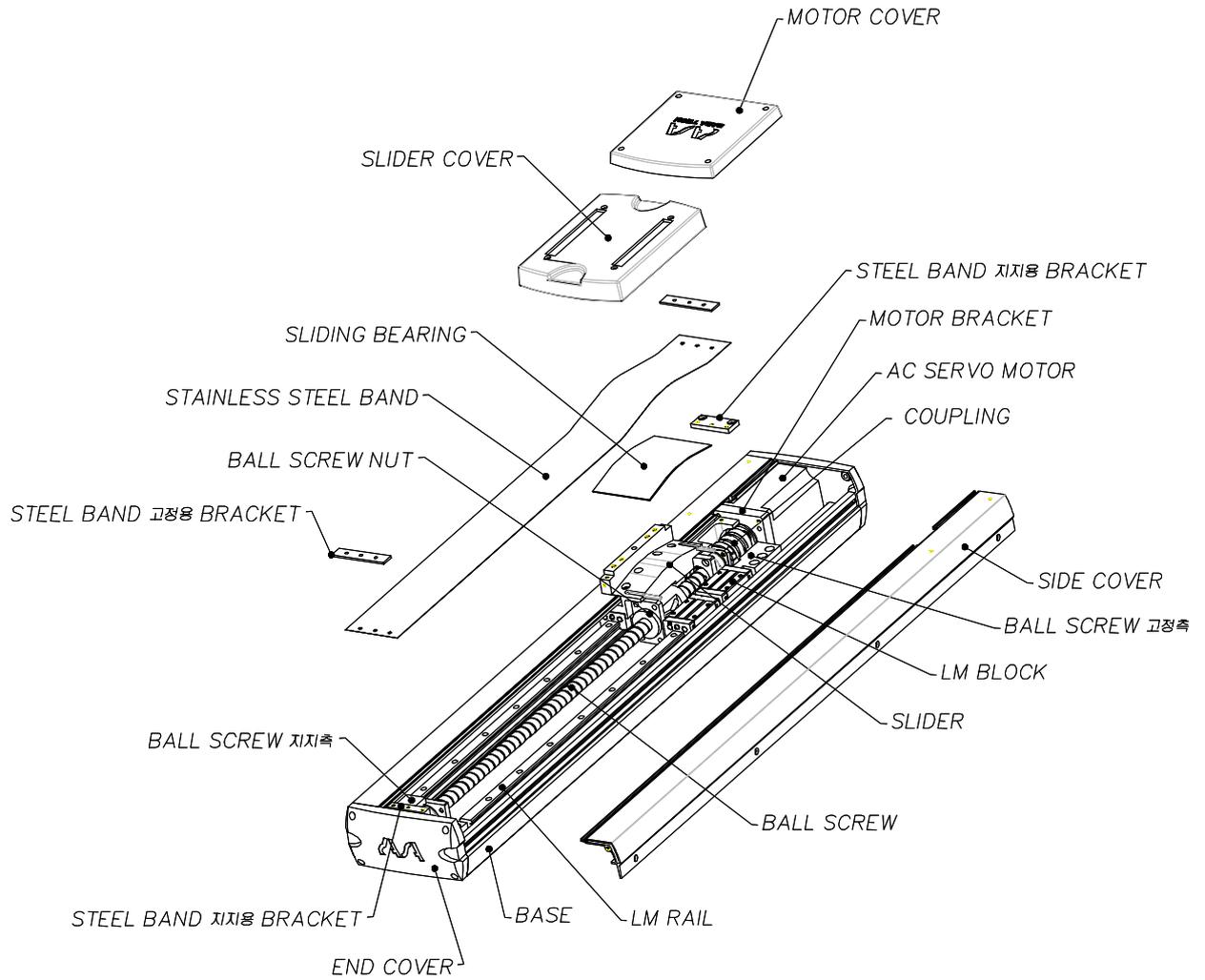


DRM140-C-NSA SLIDER



DRM180-C-NSA SLIDER

5.2.



6.

6.1.

가

:

가

6.2.

:

가

가

가

가

1)

2)

가

3)

가

4)

가

6.5.

:

-
-
-

가

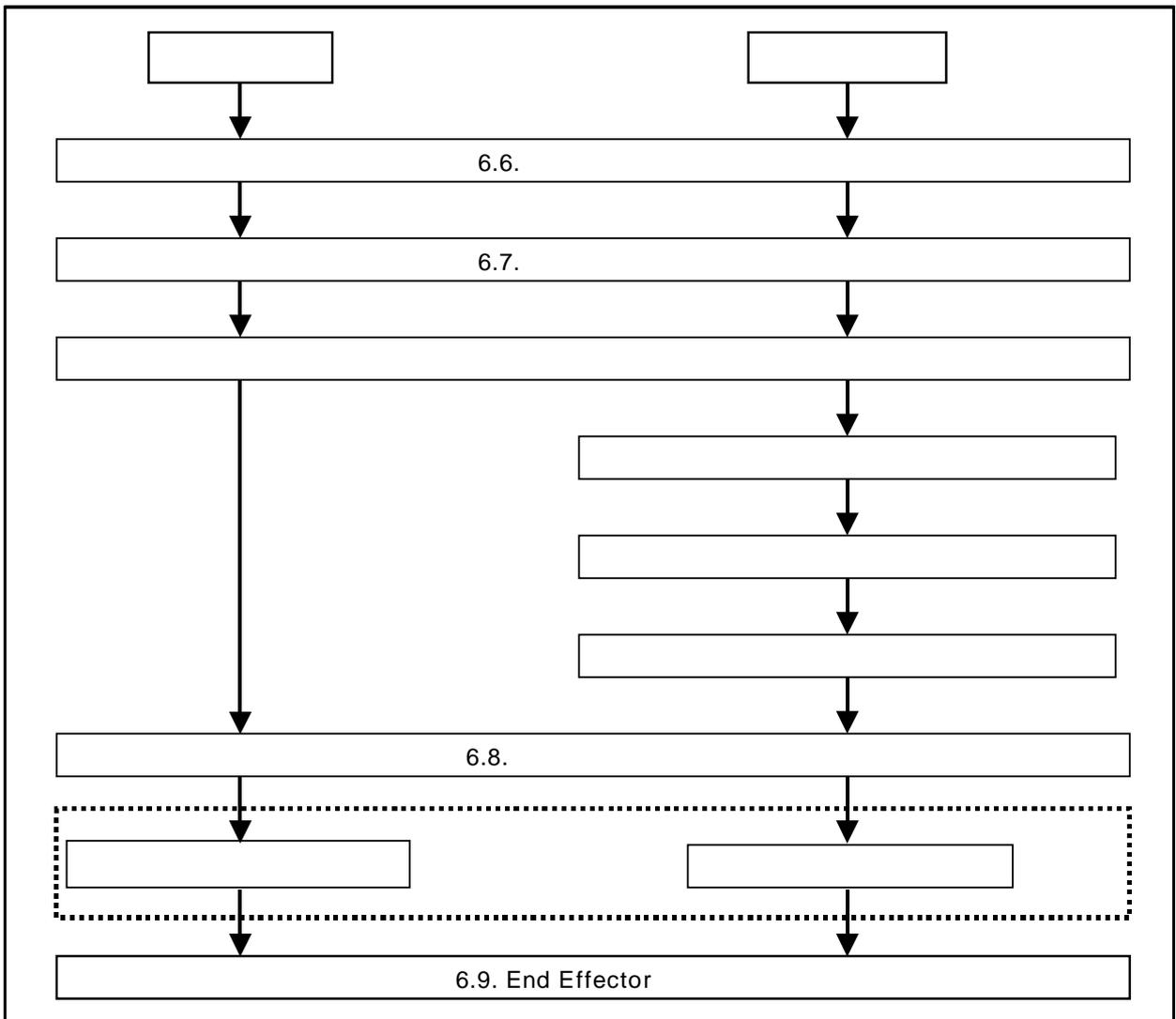
:

End Effector가 2

가

:

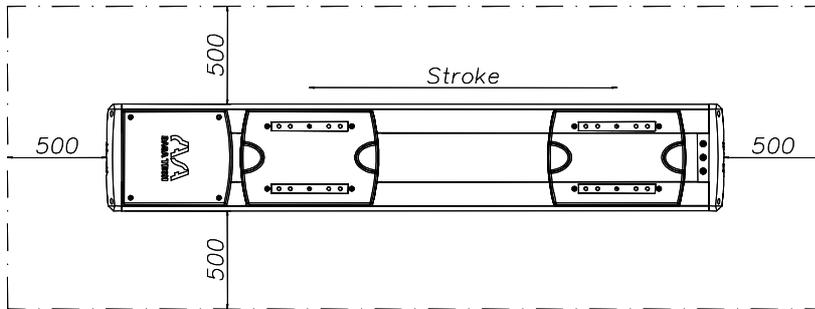
End Cover



6.6.

Stroke Limit Sensor가

6.7.



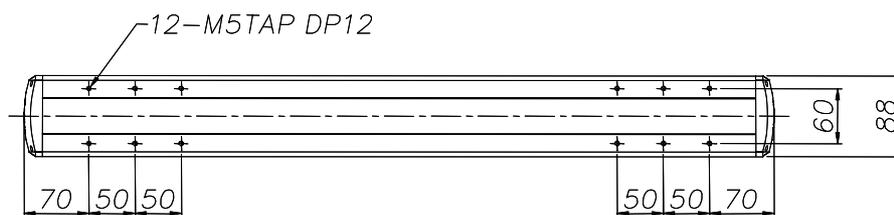
6.8.

Tap ()
가 0.1mm

Bracket 10mm

DRM88 - C - NSA

TAP

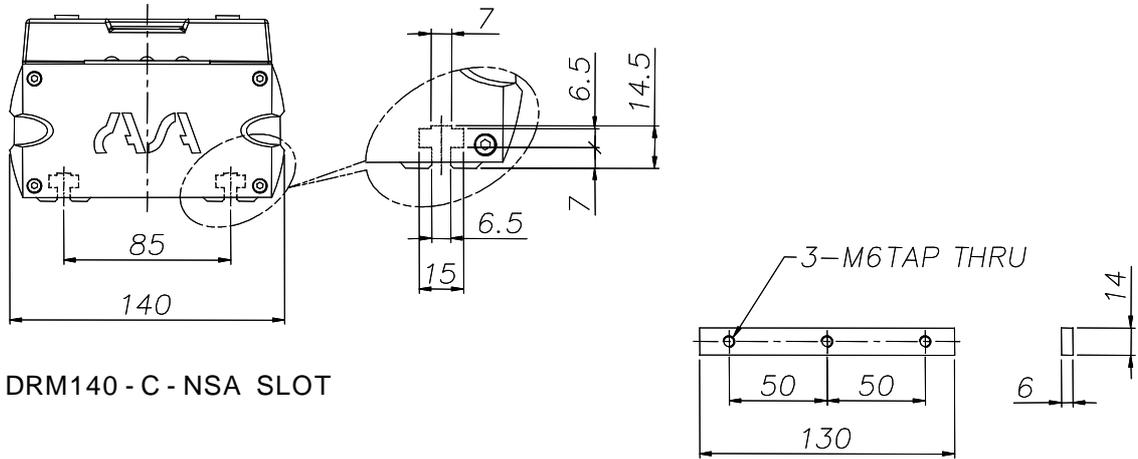


Clean

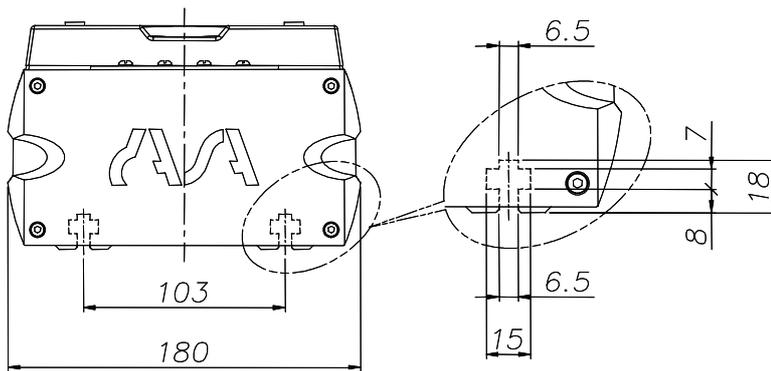
DRM-C SERIES

DRM140 - C - NSA DRM180 - C - NSA

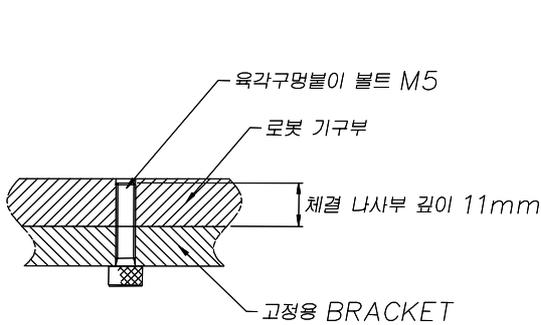
Slot



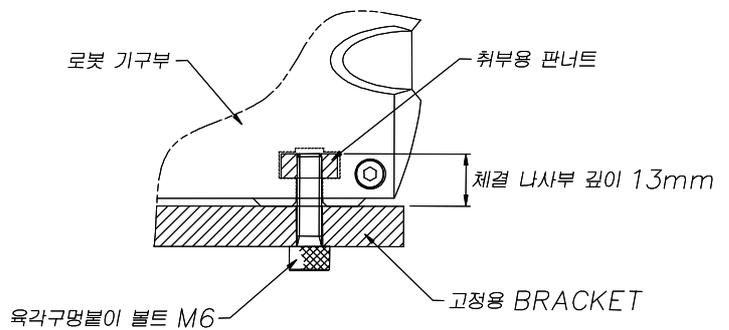
DRM140 - C - NSA SLOT



DRM180 - C - NSA SLOT



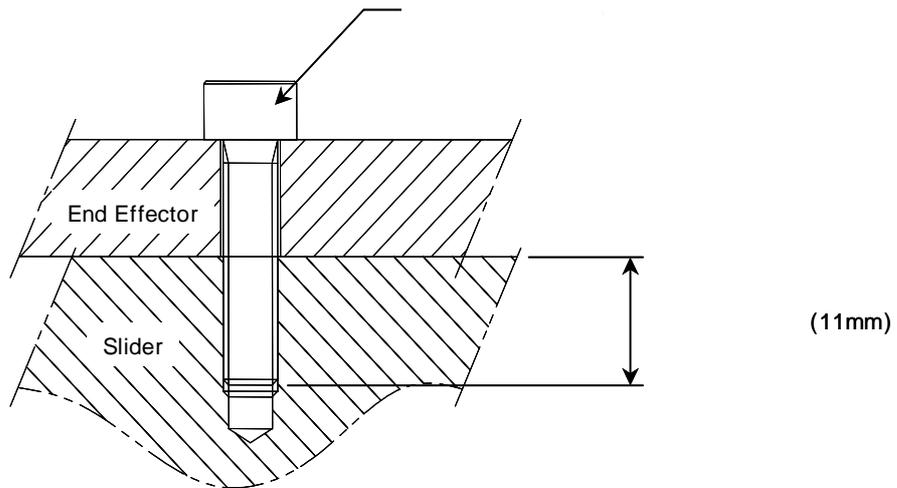
M5 BOLT : 5N·m(45 kgf·cm)
DRM88 - C - NSA



M6 BOLT : 7.1N·m(70 kgf·cm)
DRM140/180 - C - NSA

6.9. End Effector

Slider	Tap	End Effector	.
- M5		Torque : 5 N · m(45 kgf · cm)	
- M6		Torque : 7.1 N · m(70 kgf · cm)	
Tap	Pin Hole	" 5.1.	"



7.

Clean Class 100

0~40

	1 /1		7.1.
	1 /6	Ball Screw, Tape, Stainless Steel Band	7.2.
	1 /	LM Guide	7.2.

*

	(Hr)
LM Guide	35,000
Ball Screw	15,000

7.1.

:

가 가	
End Effector가 가	

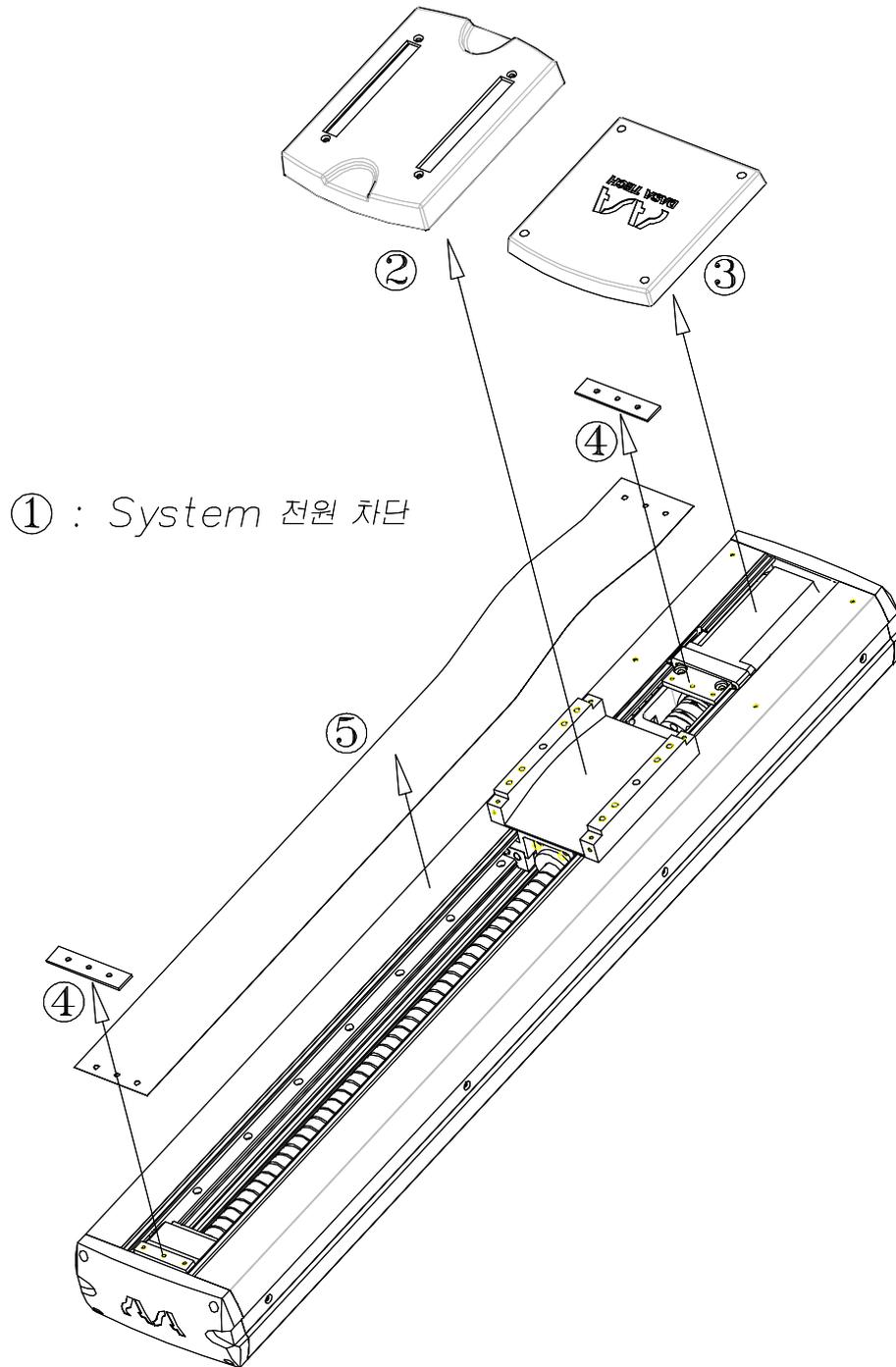
Motor Cover

Motor Motor

Stainless Steel Band

Bracket

Stainless Steel Band



Stainless Steel Band

, Stainless Steel Band

2) Tape

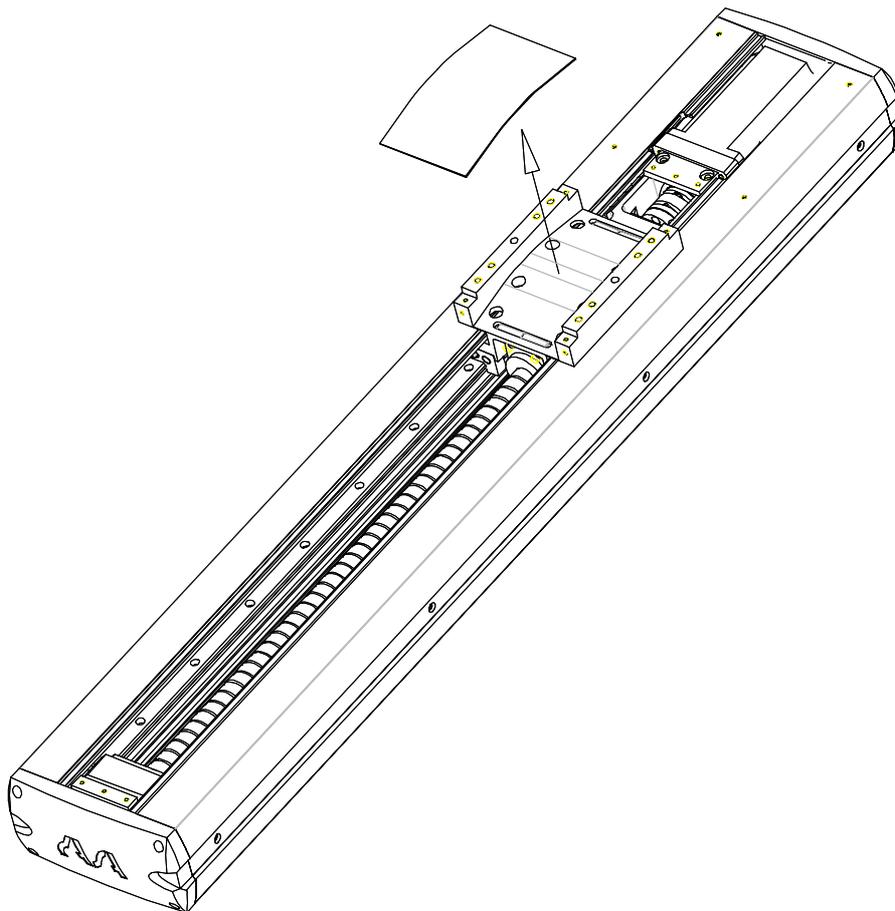
1) Slider Cover

Slider

Tape

Tape

Slider



- : Tape Slider가 가 Slider가
- : Staniless Steel Band Slider Stainless Steel Band Stainless Steel Band가 가

7.3.

	1) ()	Thickness Tape ()
	2)	
	3)	
	4) (가)	
	5)	
	6) Gain	P, I Gain
	7) 15000 가	
	8) 35000 가	
	9) Brake	Brake
	10)	
	1)	
	2) 가	가
	3)	
	4)	가 가
	5)	가
	6) Gain	P, I Gain
	7)	가
	1)	
	2) ()	Thickness Tape ()
	3) Position Gain	Position Gain
	4)	가 가
	5)	
	6)	
	1) Lead	가
Limit() Sensor	1) Reed Switch Magnet	Reed Switch (2.5mm)
	2) Reed Switch	Reed Switch
	3) Parameter	Parameter
	1) Cable	Cable
	2) Cable Veyor Cable	Cable Veyor
	3) Connector	Connector
가	1) Pitch/Rev(Gear Ratio)	Pitch/Rev(Gear Ratio)
	2) Sensor Encoder Z	Z Pulse 1000~7000

8.

Slider Damper

