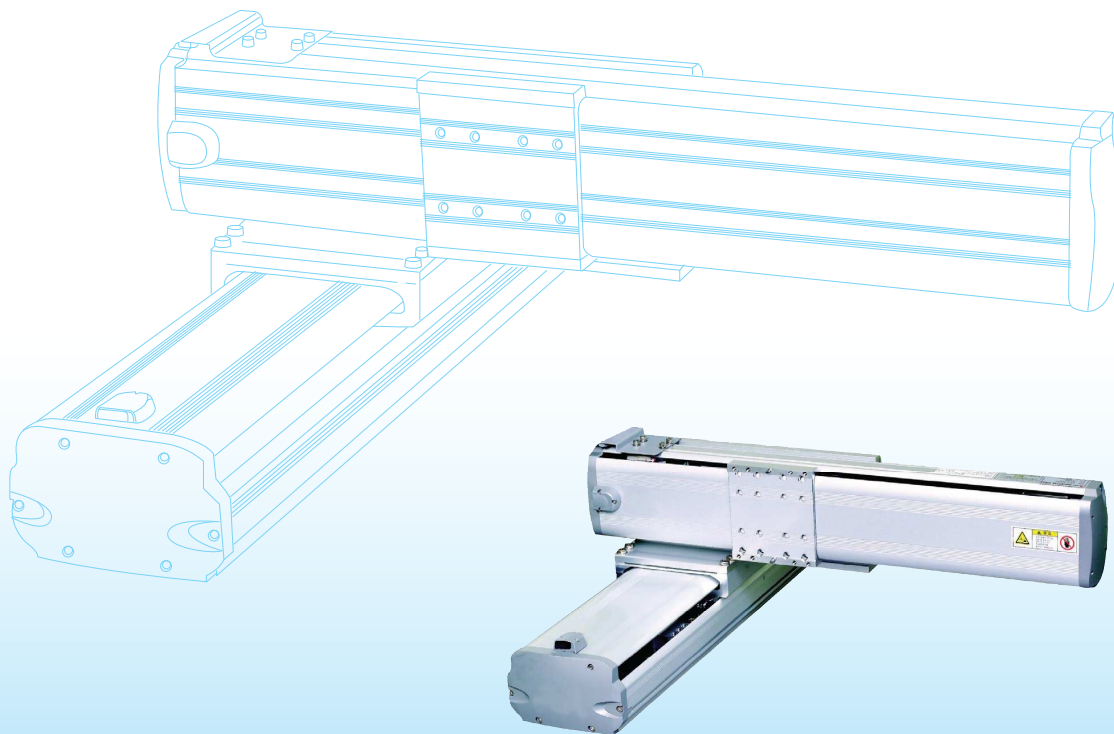


CARTESIAN ROBOT / DRM series



Contents

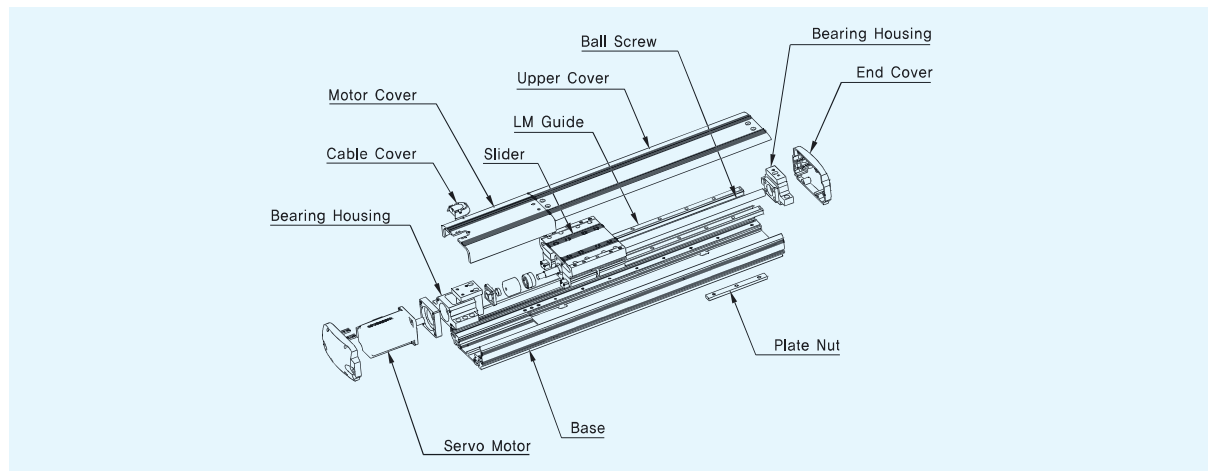
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DRM(P)50-S ~ DRM(P)250-S	
DRM(P)50-P ~ DRM(P)250-P	
DRM(P)80/130/160-SD,L(R)D	
Belt type	45 _ 50
DRM90-B ~ DRM250B	
Rack & Pinion type	51
DRM250-R	
Rotary Unit type	52
DRMR	

Feature

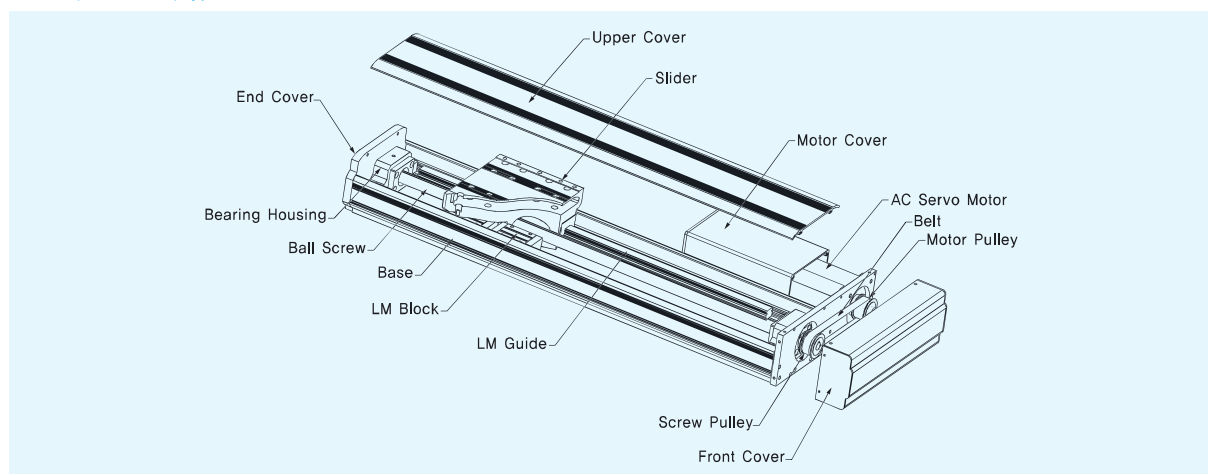
1. Structure

■ DRM(P)-S, P : Ball screw type

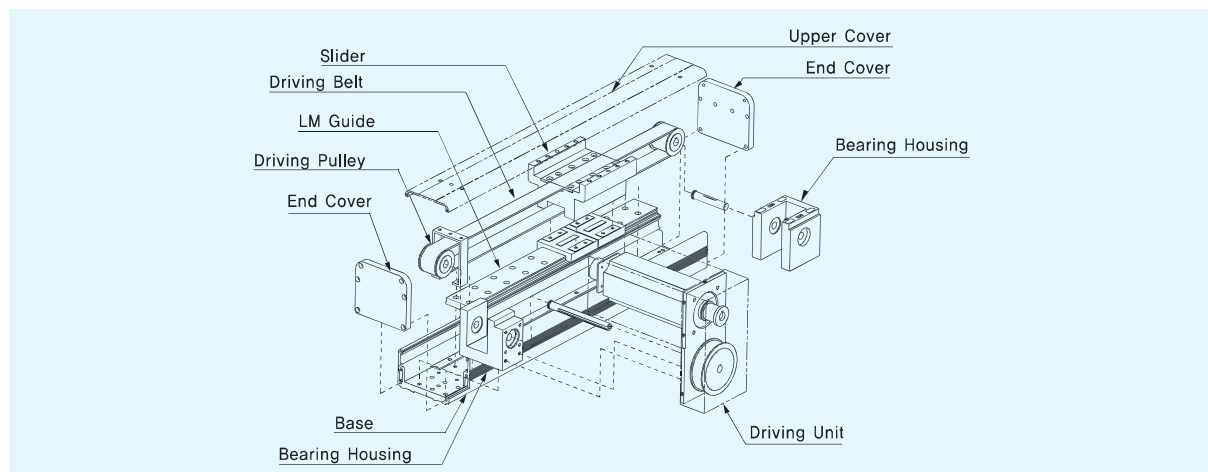
Straight(In-Line) type



Parallel(side mount) type



■ DRM-B : Belt Type



2. Various model range

DRM series includes various line-up of products and meet various applications featuring high rigidity and payload.

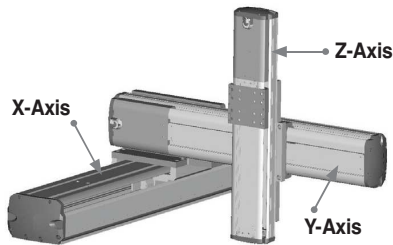
- ▶ Driving Type : Ballscrew, Belt Driving Type, Rotary unit(R axis)
- ▶ Applied Motor : 80~1000W
- ▶ Stroke : 100~3000 mm
- ▶ Speed: 250~2000 mm/s
- ▶ Payload : Up to 300kg(Horizontal) / 120kg(Vertical)

* The stroke is ball screw type. In the case of belt type, the stroke is much longer. Please ask to DASA robot for longer stroke.

* Sepelfic desired specifications are required to be discussed in advance

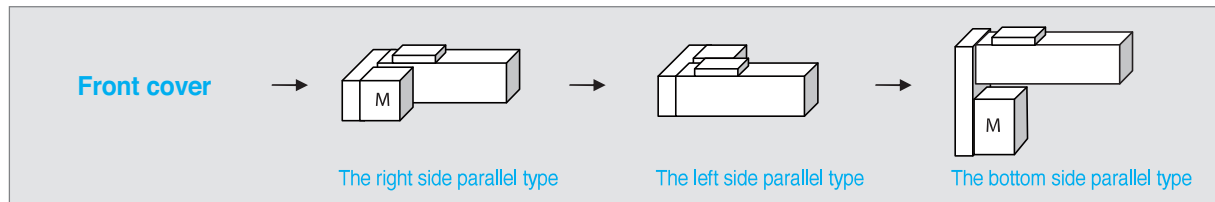
3. X,Y,Z Axis and Parallel type

1) X,Y,Z Axis - X,Y and Z axes are combined together depending on combination. Moment is useful as a reference for assembly





- ▶ X-Axis : X axis is fixed to the worktable and payload weigh down horizontally on X axis.
Payload = Y&Z Axis weight + Tool weight.
- ▶ Y-Axis : Wall mounted payload ,
Payload = Z Axis weight + Tool Weight
- ▶ Z-Axis : Tool is moving up and down and payload weigh down on vertically on Z axis.

2) X,Y,Z Axis - X,Y and Z axes are combined together depending on combination. Moment is useful as a reference for assembly



4. Controller

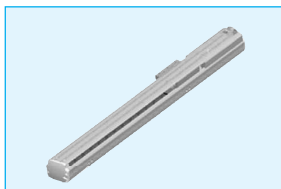
Single axis controller and Multi axes Controller are applicable.

Controller	Model	Type	Number of controlled axes	Page
	iMS-J	Single axis Controller	1 axis	151
	iM-Z	Multi axes Controller	2~8 axes	157

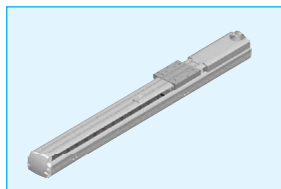
Ball screw Type

DRM 50~250-S(P)

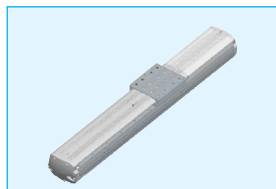
■ DRM60-S



■ DRM80-S



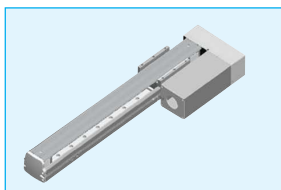
■ DRM130-S



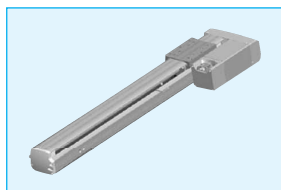
■ DRM250-S



■ DRM60-P



■ DRM80-P



■ DRM130-P

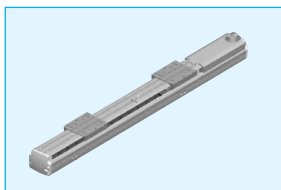


■ DRM250-P

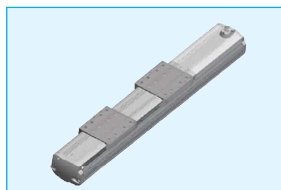


Dual Sliders

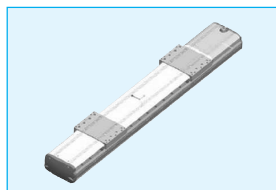
■ DRM80-SD



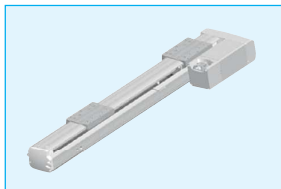
■ DRM130-SD



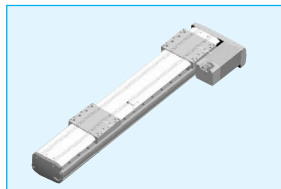
■ DRM160-SD



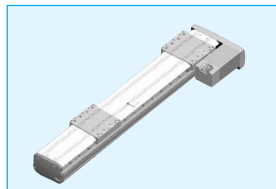
■ DRM80-DR(L)



■ DRM130-DR(L)

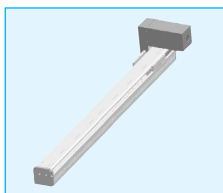


■ DRM160-DR(L)

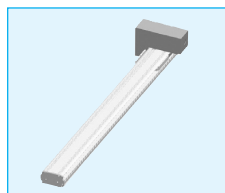


Belt Type

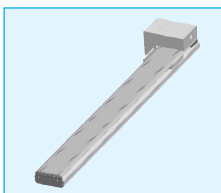
■ DRM90-B



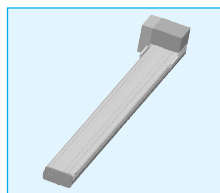
■ DRM130-B



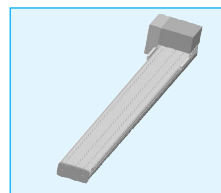
■ DRM160-B



■ DRM200-B

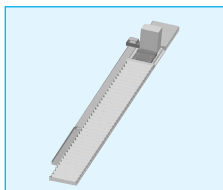


■ DRM250-B



Rack & Pinion Type

■ DRM250-R



Rotary Unit Type

■ DRMR



Ordering Model

①	②	③	④	⑤	⑥	⑦	⑧
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	50	- S	- 80	- I	- L10	- 1100	- L1

① Series

Name of series : DRM series is standard cartesian robot

- DRM** : Cartesian robot, Single axis, Standard specifications
- DRMP** : Cartesian robot, Single axis, Standard specifications
High precision
- DRMC** : Cartesian robot, Single axis, Clean room specifications
- DRMCP** : Cartesian robot, Single axis, Clean room specifications
High precision
- DRMD** : Cartesian robot, Single axis, Dust proof specifications
- DRMDP** : Cartesian robot, Single axis
Dust proof specifications, High precision

② Base width

The base width of each models

(Ex : 50 = 50mm)

③ Type

The type of actuator or drive

- S** : Ball screw, Straight type (Motor in-Line type)
- LP** : Ball screw, Left side parallel type (Motor side mount-Left)
- RP** : Ball screw, Right side parallel type (Motor side mount-Right)
- BP** : Ball screw, Rear side parallel type (Motor side mount-Bottom)
- SD** : Ball screw, Dual Slider, Straight type (Motor in-line type)
- DL** : Ball screw, Dual Slider, Left side parallel type
(Motor side mount-Left)
- DR** : Ball screw, Dual Slider, Right side parallel type
(Motor side mount-Right)
- B** : Belt drive
- R** : Rack & Pinion
- G** : Guide(Slave)-axis

*Guide-axis model includes series, base width, type, and stroke in the ordering model
(Ex: DRM80-G-400)

④ Motor

Motor capacity(W)

(Ex : 100 = 100W)

⑤ Encoder

A : Absolute Encoder

The current slider position will be retained even after the power is turned off, so origin return is not required when the power is turned on.

I : Incremental Encoder

The slider position data will be cleared once the power is turned off, so origin return is required whenever the power is turned on.

⑥ Speed

The speed of ball screw type is decided by lead length and the speed of belt type is decided by reduction gear rate.

(Ex : L05=Lead 5mm)

* 3,000RPM is maximum speed of the standard servo motor.
Speed is different by payload and operation conditions.

⑦ Stroke

The operation range of cartesian robot.

(Ex : 300=300mm)

⑧ Option

The Options to be equipped on the robot

- L0** : None sensor
- L1** : Magnetic Limit sensor(Motor side & Reverse side)
- L2** : L1 + Origin sensor(Motor side)
- L3** : Photo Limit sensor(Motor side & Reverse side+Origin sensor)
- K** : K1 seal grease for the LM guide
- R** : Retainer seal grease for the LM guide
- B** : Brake motor

Model List

Ball screw type (Single slider)

Series	Base width	-	Type	-	Motor	-	Encoder	-	Speed	-	Stroke	-	Option		
DRM DRMP	50	-	S	-	80	-	I A	-	L05 / L10 / L20	-	100 ~ 1100	-	L1	-	K
	60	-		-		-		-	L10	-	100 ~ 400	-		-	
	80	-		-		-		-		-		-		-	
	115	-	LP	-	200	-		-	L05 / L10 / L20	-	100 ~ 1100	-	L2	-	R
	130	-		-		-		-	L10 / L20	-	100 ~ 1500	-		-	
	160	-	RP	-	400	-		-	L05 / L10 / L20	-	100 ~ 1500	-	L3	-	B
	200	-		-	600	-		-	L10 / L20	-	100 ~ 1500	-		-	
		-	BP	-	600	-		-	L10 / L25 / L50	-	100 ~ 2000	-		-	
		-		-	800	-		-		-		-		-	
		-		-	800	-		-		-		-		-	
	250	-		-	1000	-		-		-		-		-	

Ball screw type (Dual slider)

Series	Base width	-	Type	-	Motor	-	Encoder	-	Speed	-	Stroke	-	Option		
DRM	80	-	SD	-	100	-	I A	-	L10	-	100 ~ 600	-	L1	-	K
	130	-	DL	-	200	-		-		-		-	L2	-	R
	160	-	DR	-	400	-		-		-		-	L3	-	B

Belt type

Series	Base width	-	Type	-	Motor	-	Encoder	-	Speed	-	Stroke	-	Option		
DRM	90	-	B	-	400	-	I A	-	1800	-	1000 ~ 2500	-	L1 L2 L3	-	K R
	130	-		-	600	-		-	2000	-		-		-	
	160	-		-	800	-		-		-	1000 ~ 4000	-		-	
	200	-		-		-		-	2500	-		-		-	
	250	-		-		-		-		-	1000 ~ 4500	-		-	

Rack & Pinion type

Series	Base width	-	Type	-	Motor	-	Encoder	-	Speed	-	Stroke	-	Option		
DRM	250	-	R	-	1000	-	I A	-	L40	-	1000 ~ 4000	-	L1 L2 L3	-	K R

Rotary unit

Series	-	Motor	-	Encoder	-	Speed
DRMR	-	80	-	I	-	1800(deg/s)

DRM series

DRMC series

DLM series

DTR series

DSM series

IMS-J series

IM-J series

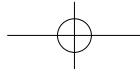
ACCESSORIES

RV series

Specification Table

Ball screw type(In-Line)

Single slider	Stroke(mm), maximum speed(mm/s)																					
Model	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000		
DRM(P)50-S	250																					
	500							400	320	260	220											
	1000							800	640	530	440											
DRM(P)60-S	500																					
DRM(P)80-S	250																					
	500							480	380	310	250	210										
	1000							970	770	620	510	430										
DRM(P)115-S	250																					
	500							480	380	310	250	210										
	1000							970	760	610	500	420										
DRM(P)130-S	250																					
	500							490	390	310	260	210										
	1000							990	780	630	520	430										
DRM(P)160-S	250																					
	500							470	370	300	250	210	256	221	192	169						
	1000							950	750	610	500	420	512	441	384	338						
	500							470	370	300	250	210	256	221	192	169						
	1000							950	750	610	500	420	512	441	384	338						
DRM(P)200-S	500										440	370	310	270	240	210	180	160	150	130	120	
	1250										1100	930	790	690	600	530	470	420	370	340	310	
	2500										2210	1860	1590	1380	1200	1060	940	840	750	680	620	
	500										443	374	319	276	241	212	188	168	151	137	124	
	1250										1100	930	790	690	600	530	470	420	370	340	310	
	2500										2210	1860	1590	1380	1200	1060	940	840	750	680	620	
DRM(P)250-S	500									470	390	330	290	250	220	190	170	150	140	120	110	
	1250									1100	990	840	720	630	550	490	430	390	350	320	290	
	2500									2370	1990	1690	1450	1260	1110	980	870	780	710	640	580	
	500									470	390	330	290	250	220	190	170	150	140	120	110	
	1250									1100	990	840	720	630	550	490	430	390	350	320	290	
	2500									2370	1990	1690	1450	1260	1110	980	870	780	710	640	580	



DRM series

DRMC series

DLM series

DTR series

DSM series

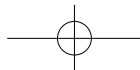
IMS-J series

IM-Z series

ACCESSORIES

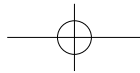
RV series

	Lead (mm)	Rated speed (mm/s)	Motor (W)	Payload at rated acceleration (kg)		Payload by acceleration(kg)							
						0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
	5	250	80	Horizontal	15	15	15	15	-	-	-	-	-
				Vertical	9	9	4	-	-	-	-	-	-
	10	500	80	Horizontal	15	15	15	13	-	-	-	-	-
				Vertical	7	7	6	4	-	-	-	-	-
	20	1000	80	Horizontal	7	7	7	7	6	4	3	3	2
				Vertical	3	3	2.5	2.0	2.0	1.5	1.3	0.9	0.6
	10	500	80	Horizontal	10	10	10	10	-	-	-	-	-
				Vertical	7	7	7	7	-	-	-	-	-
	5	250	80	Horizontal	20	20	20	14	-	-	-	-	-
				Vertical	9	9	3	-	-	-	-	-	-
	10	500	80	Horizontal	20	20	20	14	-	-	-	-	-
				Vertical	7	7	6	5	-	-	-	-	-
	20	1000	80	Horizontal	7	7	7	7	6	5	4	3	2
				Vertical	3	3	2.5	2	2	1.5	1	1	0.7
	5	250	200	Horizontal	80	80	80	80	-	-	-	-	-
				Vertical	35	35	34	30	-	-	-	-	-
	10	500	200	Horizontal	60	60	60	55	-	-	-	-	-
				Vertical	20	20	19	18	-	-	-	-	-
	20	1000	200	Horizontal	30	35	33	25	21	17	15	13	11
				Vertical	8	8	7.5	7	6.5	6	5.5	5	5
	5	250	200	Horizontal	80	80	80	80	-	-	-	-	-
				Vertical	35	35	35	30	-	-	-	-	-
	10	500	200	Horizontal	60	60	60	55	-	-	-	-	-
				Vertical	20	20	19	18	-	-	-	-	-
	20	1000	200	Horizontal	30	30	30	25	21	17	15	13	11
				Vertical	8	8	7.5	7	6.5	6	6	5.5	5
	5	250	400	Horizontal	120	120	120	120	-	-	-	-	-
				Vertical	45	45	45	45	-	-	-	-	-
	10	500	400	Horizontal	100	100	100	100	-	-	-	-	-
				Vertical	35	35	35	35	-	-	-	-	-
	20	1000	400	Horizontal	60	60	60	55	-	-	-	-	-
				Vertical	15	15	15	15	14	13	13	12	11
	10	500	600	Horizontal	120	120	120	120	-	-	-	-	-
				Vertical	40	40	40	40	-	-	-	-	-
	20	1000	600	Horizontal	100	100	92	73	60	51	45	39	35
				Vertical	20	20	19	18	17	16	15	15	14
	10	500	600	Horizontal	120	120	120	62	-	-	-	-	-
				Vertical	40	40	34	16	-	-	-	-	-
	25	1250	600	Horizontal	90	90	65	47	36	27	21	16	12
				Vertical	15	15	15.0	13.0	-	-	-	-	-
	50	2000	600	Horizontal	40	40	30	24	19	16	13	11	9
				Vertical	5	5	5	5	5	5	5	4	3
	10	500	800	Horizontal	150	150	150	110	-	-	-	-	-
				Vertical	60	60	50	38	-	-	-	-	-
	25	1250	800	Horizontal	100	100	86	64	-	-	-	-	-
				Vertical	20	20	20	18	-	-	-	-	-
	50	2500	800	Horizontal	40	40	40	32	26	21	18	15	13
				Vertical	7	7	7	7	7	6	5	5	5
	10	500	800	Horizontal	150	150	150	103	-	-	-	-	-
				Vertical	60	60	51	34	-	-	-	-	-
	25	1250	800	Horizontal	100	100	84	62	48	38	30	24	19
				Vertical	20	20	20	18	15	13	10	8	5
	50	2500	800	Horizontal	40	40	40	32	25	21	17	15	13
				Vertical	7	7	7	7	7	6	6	5	4
	10	500	1000	Horizontal	170	170	170	170	-	-	-	-	-
				Vertical	80	80	80	80	-	-	-	-	-
	25	1250	1000	Horizontal	120	120	120	120	120	100	84	72	63
				Vertical	40	40	40	40	39	36	33	30	27
	50	2500	1000	Horizontal	60	60	60	60	57	48	41	36	32
				Vertical	10	10	10	10	10	10	10	10	10



Ballscrew type(side mount)

Single slider	Stroke(mm), maximum speed(mm/s)																					
Model	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000		
DRM(P)50-P	250																					
	500							400	320	260	220											
	1000							800	640	530	440											
DRM(P)60-P	500																					
DRM(P)80-P	250																					
	500						480	380	310	250	210											
	1000						970	770	620	510	430											
DRM(P)115-P	250																					
	500						480	380	310	250	210											
	1000						960	760	610	500	420											
DRM(P)130-P	250																					
	500						490	390	310	260	210											
	1000						990	780	630	520	430											
DRM(P)160-P	250																					
	500						470	370	300	250	210	255	220	192	169							
	1000						950	750	610	500	420	511	440	384	337							
	500						470	370	300	250	210	255	220	192	169							
	1000						950	750	610	500	420	511	440	384	337							
DRM(P)200-P	500									460	380	330	280	240	210	190	170	150	130	120		
	1250									1150	960	820	710	610	540	480	430	380	340	310		
	2500									2300	1930	1640	1420	1230	1080	960	860	770	690	630		
	500									443	374	319	276	241	212	188	168	151	137	124		
	1250									1150	960	820	710	610	540	480	430	380	340	310		
	2500									2300	1930	1640	1420	1230	1080	960	860	770	690	630		
DRM(P)250-P	500								470	390	330	290	250	220	190	170	150	140	120	110		
	1250								1100	990	840	720	630	550	490	430	390	350	320	290		
	2500								2370	1990	1690	1450	1260	1110	980	870	780	710	640	580		
	500								470	390	330	290	250	220	190	170	150	140	120	110		
	1250								1100	990	840	720	630	550	490	430	390	350	320	290		
	2500								2370	1990	1690	1450	1260	1110	980	870	780	710	640	580		



DRM series

DRMC series

DLM series

DTR series

DSM series

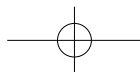
IMS-J series

IM-Z series

ACCESSORIES

RV series

	Lead (mm)	Rated speed (mm/s)	Motor (W)	Payload at rated acceleration (kg)		Payload by acceleration(kg)							
						0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
	5	250	80	Horizontal	15	15	15	8	-	-	-	-	-
				Vertical	9	9	4	-	-	-	-	-	-
	10	500	80	Horizontal	15	15	15	11	-	-	-	-	-
				Vertical	7	7	5	3	-	-	-	-	-
	20	1000	80	Horizontal	7	7	7	7	5	4	3	2	1
				Vertical	3	3	2.5	2	1.5	1	1	0.5	0.2
	10	500	80	Horizontal	10	10	10	10	-	-	-	-	-
				Vertical	7	7	7	7	-	-	-	-	-
	5	250	80	Horizontal	20	20	20	9	-	-	-	-	-
				Vertical	9	9	9	7	-	-	-	-	-
	10	500	80	Horizontal	20	20	20	19	-	-	-	-	-
				Vertical	7	7	7	7	-	-	-	-	-
	20	1000	80	Horizontal	7	7	7	7	7	7	6	5	4
				Vertical	3	3	3	3	2.5	2	2	1.5	1
	5	250	200	Horizontal	80	80	80	80	-	-	-	-	-
				Vertical	35	35	31	24	-	-	-	-	-
	10	500	200	Horizontal	60	60	60	50	-	-	-	-	-
				Vertical	20	20	19	17	-	-	-	-	-
	20	1000	200	Horizontal	30	30	30	25	20	16	14	12	10
				Vertical	8	8	7.5	7.0	6.5	6	5.5	5	4.5
	5	250	200	Horizontal	80	80	80	80	-	-	-	-	-
				Vertical	35	35	32	26	-	-	-	-	-
	10	500	200	Horizontal	60	60	60	50	-	-	-	-	-
				Vertical	20	20	19	17	-	-	-	-	-
	20	1000	200	Horizontal	30	30	30	25	20	17	14	12	10
				Vertical	8	8	7.5	7	6.5	6	5.5	5	4.5
	5	250	400	Horizontal	120	120	120	120	-	-	-	-	-
				Vertical	45	45	45	45	-	-	-	-	-
	10	500	400	Horizontal	100	100	100	100	-	-	-	-	-
				Vertical	35	35	35	35	-	-	-	-	-
	20	1000	400	Horizontal	60	60	60	54	44	37	32	28	25
				Vertical	15	15	15	15	14	13	12	12	11
	10	500	600	Horizontal	120	120	120	120	-	-	-	-	-
				Vertical	40	40	40	40	-	-	-	-	-
	20	1000	600	Horizontal	100	100	90	72	60	51	44	39	34
				Vertical	20	20	18	18	17	16	15	14	13
	10	500	600	Horizontal	120	120	108	57	-	-	-	-	-
				Vertical	40	40	32.0	13.0	-	-	-	-	-
	25	1250	600	Horizontal	90	90	64	46	35	26	20	15	12
				Vertical	17	17	15.6	13.3	10	8	5	3	1
	50	2000	600	Horizontal	30	30	30	24	19	16	13	11	9
				Vertical	7	7	6.9	6.3	5	5	4	3	3
	10	500	800	Horizontal	150	150	150	110	-	-	-	-	-
				Vertical	60	60	50	38	-	-	-	-	-
	25	1250	800	Horizontal	120	120	85	63	49	38	31	25	20
				Vertical	22	22.5	20.6	18.4	15	13	10	8	6
	50	2500	800	Horizontal	40	40	40	32	25	21	18	15	13
				Vertical	9	9	8.8	8.2	7	7	6	5	4
	10	500	800	Horizontal	150	150	93	42	-	-	-	-	-
				Vertical	60	60	26	2	-	-	-	-	-
	25	1250	800	Horizontal	100	100	61	44	33	24	18	13	9
				Vertical	20	20	15.0	12.0	9	7	4	1	-
	50	2500	800	Horizontal	40	40	32	24	19	15	13	11	9
				Vertical	7	7	6	6	5	4	4	3	2
	10	500	1000	Horizontal	170	170	170	170	-	-	-	-	-
				Vertical	80	80	80	80	-	-	-	-	-
	25	1250	1000	Horizontal	120	120	120	120	120	99	83	71	62
				Vertical	40	40	40.0	40	38	36	32	29	26
	50	2500	100	Horizontal	60	60	60	60	57	48	41	36	32
				Vertical	10	10	10	10	10	10	10	10	10



Ball screw type

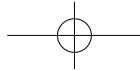
Dual slider	Stroke(mm), maximum speed(mm/s)						Lead (mm)	Rated speed (mm/s)	Motor (W)	Rated Acceleration (G)	
Model	100	200	300	400	500	600					
DRM(P)80-SD	500				470	340	10	500	80	0.3	
DRM(P)130-SD	500				480	350	10	500	200	0.3	
DRM(P)160-SD	500				450	330	10	500	400	0.3	
DRM(P)80-L(R)D	500				470	340	10	500	80	0.3	
DRM(P)130-L(R)D	500				480	350	10	500	200	0.3	
DRM(P)160-L(R)D	500				450	330	10	500	400	0.3	

Belt type

Belt	Stroke(mm), maximum speed(mm/s)																							
Model	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	3000	3500	4000	4500	5000			
DRM90-B	1800																							
DRM130-B	2000																							
DRM160-B	2000																							
DRM200-B	2000																							
DRM250-B	2500																							

Rack & Pinion type

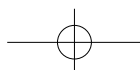
Rack&Pinion	Stroke(mm), maximum speed(mm/s)																				
Model	100-600	700	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	
DRM250-R	2000																				



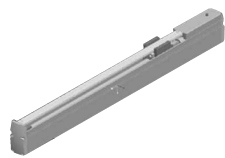
Payload at rated acceleration (kg)			Payload by acceleration(kg)							
			0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
	Horizontal	7	7	4	1	-	-	-	-	-
	Horizontal	20	20	20	17	13	10	7	5	4
	Horizontal	30	30	30	30	30	30	29	25	22
	Horizontal	7	7	4	1	-	-	-	-	-
	Horizontal	20	20	20	17	13	10	7	5	4
	Horizontal	30	30	30	30	30	30	29	25	22

	Rated speed (mm/s)	Motor (W)	Payload at rated acceleration (kg)		Payload by acceleration(kg)							
					0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
	1800	400	Horizontal	25	25	25	25	-	-	-	-	-
	2000	600	Horizontal	35	35	35	34	28	-	-	-	-
	2000	800	Horizontal	50	50	50	42	34	-	-	-	-
	2000	1000	Horizontal	70	70	70	70	67	-	-	-	-
	2500	1000	Horizontal	70	70	70	63	50	41	35	-	-

	Rated speed (mm/s)	Motor (W)	Payload at rated acceleration (kg)		Payload by acceleration(kg)							
					0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
	2000	1000	Vertical	75	70	70	70	70	70	44	28	18



DRM50-S	Ball screw, Standard specifications, Base width 50mm, In-Line type, 80W, 1~1000mm/s,						
DRMP50-S	Ball screw, Standard specifications, Base width 50mm, In-Line type, 80W, 1~1000mm/s, High precision						
Type : In-Line		Stroke : 100~1100mm		Payload : 15kg(Horizontal), 9kg(Vertical)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	50	- S	- 80	- I	- L10	- 1100	- L1



Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM50-S	80	I A	L05	250	100~600	15	9
DRMP50-S			L10	500	100~1100	15	7
			L20	1000		7	3

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

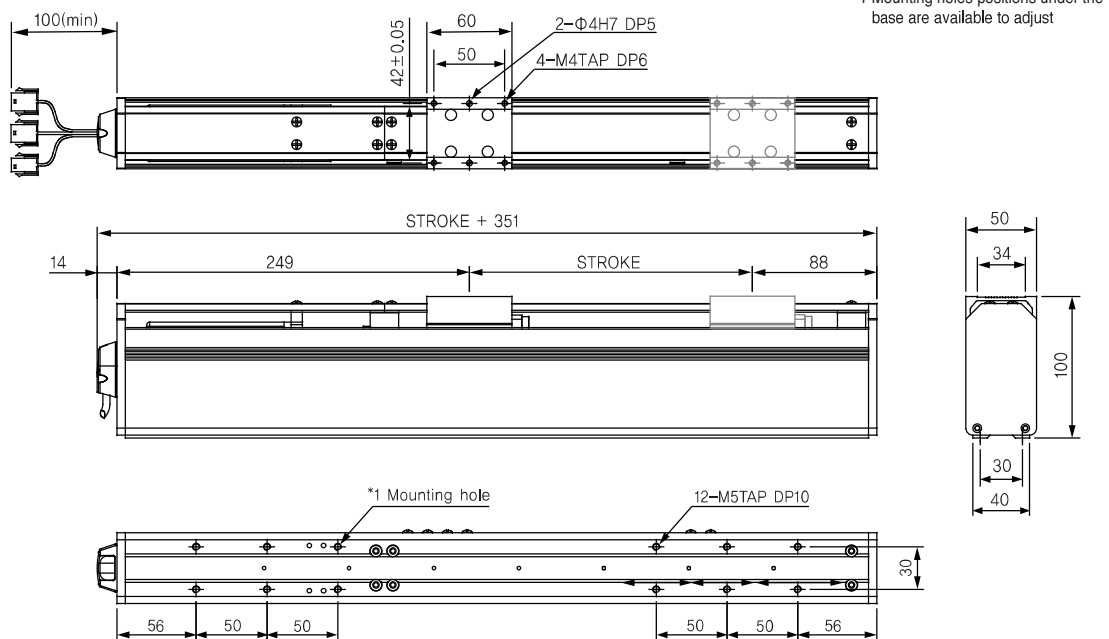
Direction		Moment(N.m)	
Ma	X	7.9	Mp
	Y	5.2	Mr
Mb	X	6.6	My
	Z	5.2	Mr
Mc	Y	6.7	My
	Z	5.6	Mp

Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	3.7	4.2	4.7	5.5	5.7	6.2	6.7	7.2	7.7	8.2	8.7
Maximum Speed(mm/s)	L05	250						-	-	-	-	-
	L10	500						400	320	260	220	
	L20	1000						800	640	530	440	


※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM60-S	Ball screw, Standard specifications, Base width 60mm, In-Line type, 80W, 1~500mm/s,						
DRMP60-S	Ball screw, Standard specifications, Base width 60mm, In-Line type, 80W, 1~500mm/s, High precision						
Type : In-Line		Stroke : 100~400mm		Payload : 10kg(Horizontal), 7kg(Vertical)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	60	- S	- 80	- I	- L10	- 400	- L1

Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM60-S DRMP60-S	80	I A	L10	500	100~400	10	7

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

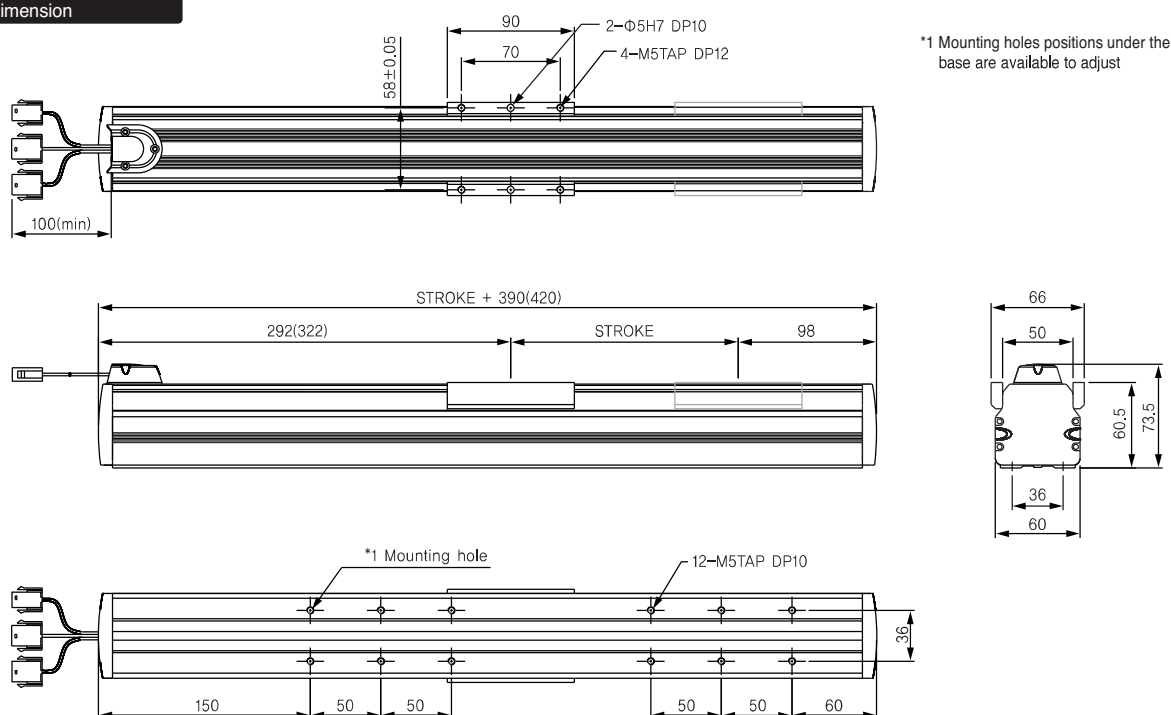
Direction	Moment(N.m)		
Ma	X	7	Mp
	Y	5	Mr
Mb	X	21	My
	Z	9	Mr
Mc	Y	23	My
	Z	22	Mp

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ12(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400
	Weight(kg)(Note2)	2.2	2.7	3	3.3	3.3	3.6	3.6
Maximum Speed(mm/s)	L10	500						

* The above speed is based on the acceleration of 0.3G

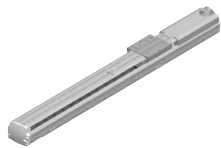
Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM80-S	Ball screw, Standard specifications, Base width 50mm, In-Line type, 80W, 1~1000mm/s,						
DRMP80-S	Ball screw, Standard specifications, Base width 50mm, In-Line type, 80W, 1~1000mm/s, High precision						
Type : In-Line		Stroke : 100~1100mm		Payload : 15kg(Horizontal), 9kg(Vertical)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	80	- S	- 80	- I	- L10	- 1100	- L1



Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM80-S	80	I A	L05	250	100~600	20	9
DRMP80-S			L10	500	100~1100	20	7
			L20	1000		7	3

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

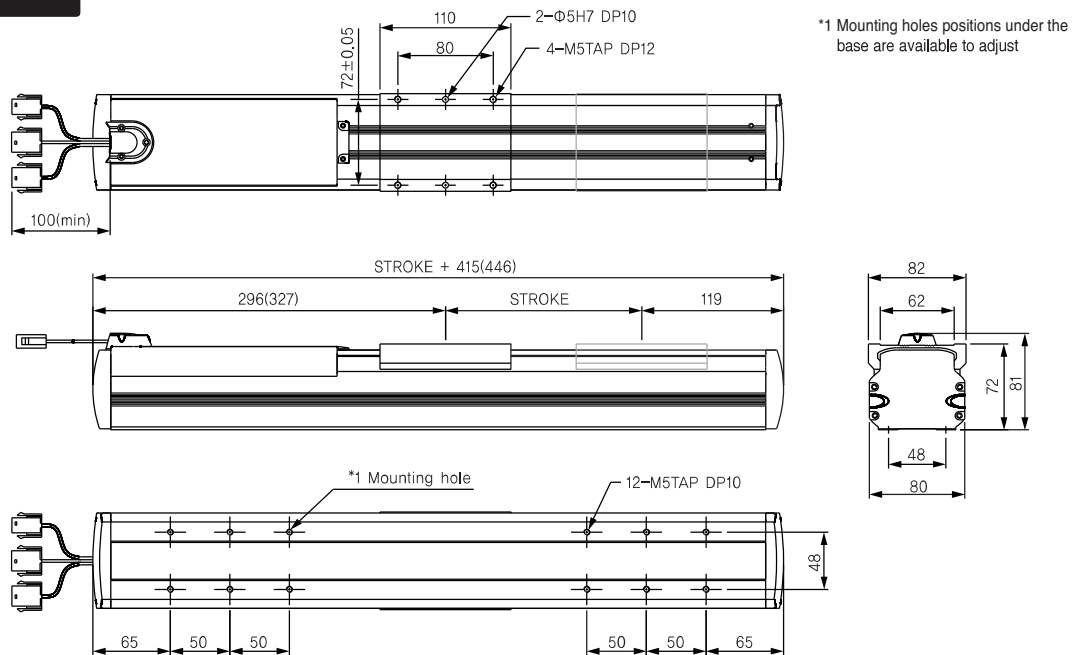
Direction	Moment(N.m)		
Ma	x	12	MP
	y	15	MR
Mb	x	36	MY
	z	29	MR
Mc	y	50	MY
	z	38	MP

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm(+/-0.005mm)
Drive type	Ball screw, Φ15(Lead 5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	3.9	4.6	5.2	5.8	6.4	7	7.6	8.2	8.8	9.4	10
Maximum Speed(mm/s)	L05	250						-	-	-	-	-
	L10	500						480	380	310	250	210
	L20	1000						970	770	620	510	430

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM115-S	Ball screw, Standard specifications, Base width 115mm, In-Line type, 200W, 1~1000mm/s,						
DRMP115-S	Ball screw, Standard specifications, Base width 115mm, In-Line type, 200W, 1~1000mm/s, High precision						
Type : In-Line		Stroke : 100~1100mm			Payload : 80kg(Horizontal), 35kg(Vertical)		
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	115	- S	- 200	- I	- L10	- 1100	- L1



Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM115-S	200	I A	L05	250	100~600	80	35
DRMP115-S			L10	500	100~1100	60	20
			L20	1000		30	8

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

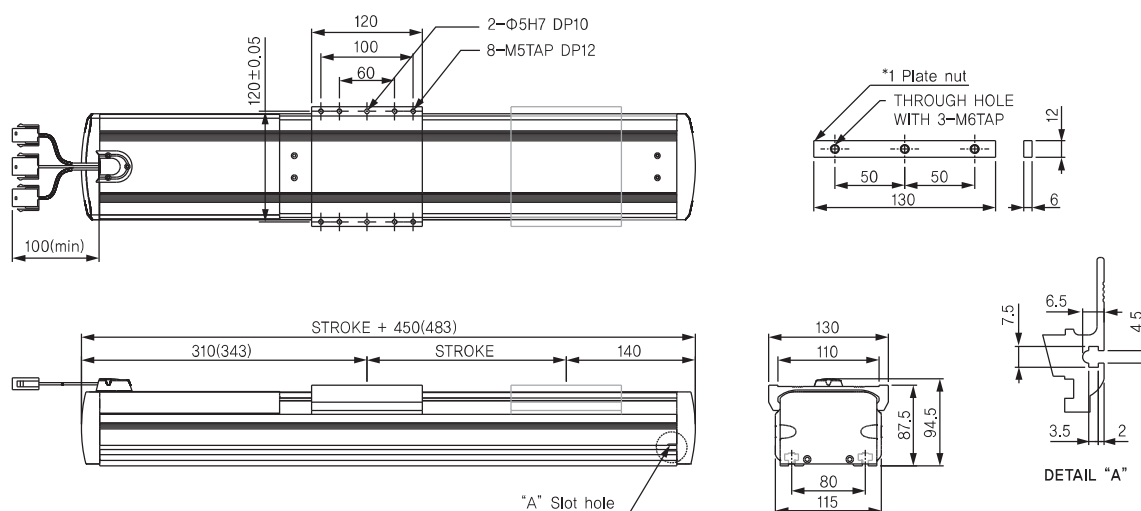
Direction	Moment(N.m)		
Ma	x	99	MP
	y	125	Mr
Mb	x	103	My
	z	129	Mr
Mc	y	97	My
	z	118	MP

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	7	8	8.9	9.8	10.7	11.6	12.5	13.4	14.3	15.2	16.1
Maximum Speed(mm/s)	L05	250						-	-	-	-	-
	L10	500						480	380	300	250	210
	L20	1000						960	760	610	500	420

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM130-S	Ball screw, Standard specifications, Base width 130mm, In-Line type, 200W, 1~1000mm/s,						
DRMP130-S	Ball screw, Standard specifications, Base width 130mm, In-Line type, 200W, 1~1000mm/s, High precision						
Type : In-Line		Stroke : 100~1100mm		Payload : 80kg(Horizontal), 35kg(Vertical)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	130	- S	- 200	- I	- L10	- 1100	- L1



Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM130-S	200	I A	L05	250	100~600	80	35
DRMP130-S			L10	500	100~1100	60	20
			L20	1000		30	8

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

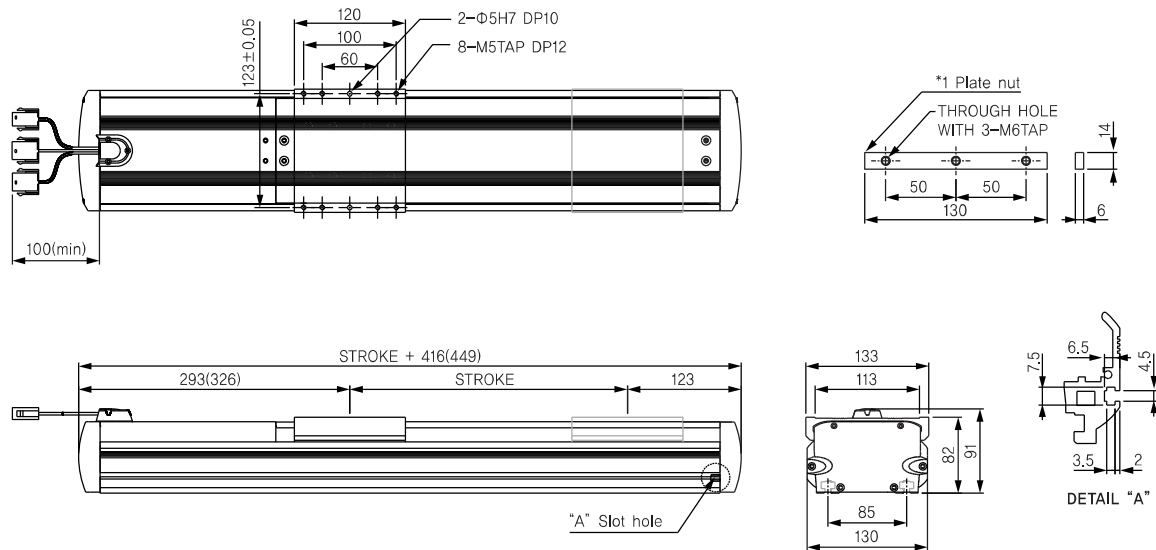
Direction	Moment(N.m)		
Ma	x	100	Mr
	y	136	
Mb	x	112	My
	z	143	
Mc	y	101	My
	z	122	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm(+/-0.005mm)
Drive type	Ball screw, Φ15(Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	6.9	7.8	8.7	9.6	10.5	11.4	12.3	13.2	14.1	15	15.9
Maximum Speed(mm/s)	L05	250						-	-	-	-	-
	L10	500						490	390	310	260	210
	L20	1000						990	780	630	520	430

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM160-S	Ball screw, Standard specifications, Base width 160mm, In-Line type, 400W/600W, 1~1000mm/s,						
DRMP160-S	Ball screw, Standard specifications, Base width 160mm, In-Line type, 400W/600W, 1~1000mm/s, High precision						
Type : In-Line		Stroke : 100~1500mm	Payload : 120kg(Horizontal), 45kg(Vertical)/120kg(Horizontal), 40kg(Vertical)				
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	160	- S	- 600	- I	- L10	- 1500	- L1



Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm) (Note2)	Payload(Maximum)	
			Lead(mm)(Note1)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM160-S DRMP160-S	400	I A	L05	250	100~600	120	45
			L10	500	100~1500	100	35
			L20	1000		60	15
	600		L10	500		120	40
			L20	1000		100	20

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

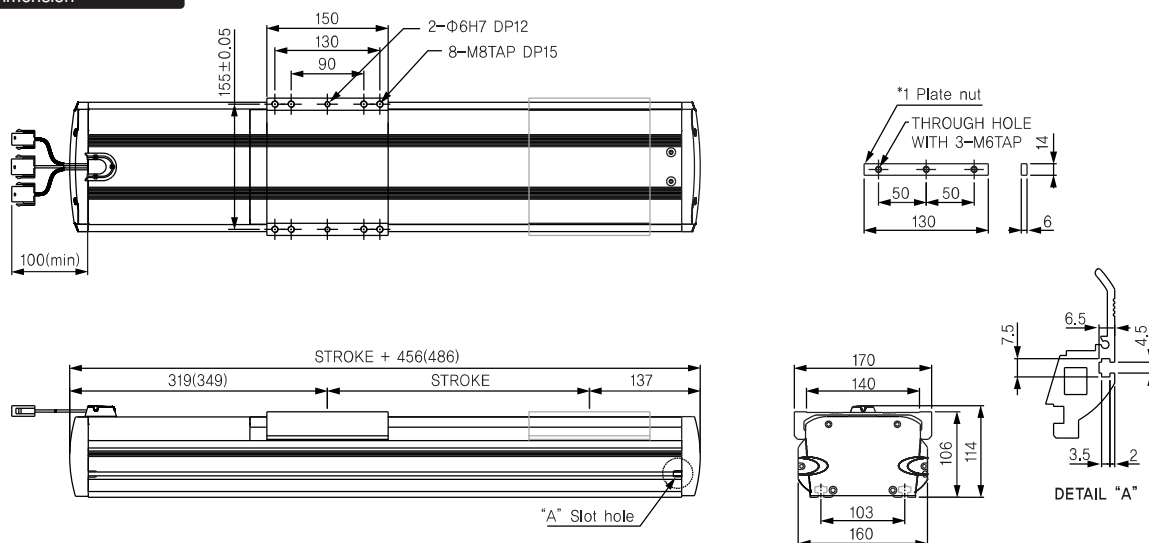
Direction		Moment(N.m)	
Ma	X	165	Mp
	Y	232	Mr
Mb	X	190	My
	Z	246	Mr
Mc	Y	174	My
	Z	211	Mp

Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5,10,20mm), Φ20(Lead 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note3)	5m(standard), 7m, 10m(option)

Dimension



1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
	Weight(kg)(Note4)	12.1	13.5	14.9	16.3	17.7	19.1	20.5	21.9	23.3	24.7	26.1	27.5	28.9	30.3	31.7
Maximum Speed(mm/s)	L05			250				-	-	-	-	-	-	-	-	-
	L10			500				470	370	300	250	210	256	221	192	169
	L20			1000				950	750	610	500	420	512	441	384	338


※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) and (2) The stroke and lead of ball screw are related. The maximum stroke of the ball screw of Φ15, lead 10, 20mm is 1100mm and the ball screw of Φ20, lead 10,20mm is 1500mm
- (3) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.
- (4) This is the weight of the model without brake motor
The model equipped with a brake motor is 0.5kg heavier than this value

DRM200-S	Ball screw, Standard specifications, Base width 200mm, In-Line type, 600W/800W, 1~2500mm/s,							
DRMP200-S	Ball screw, Standard specifications, Base width 200mm, In-Line type, 600W/800W, 1~2500mm/s, High precision							
Type : In-Line		Stroke : 100~2000mm		Payload : 120kg(Horizontal), 40kg(Vertical)/150kg(Horizontal), 60kg(Vertical)				
Series	Base width	Type	Motor	Encoder	Speed	Stroke		Option
DRM	200	- S	- 800	- I	- L10	- 2000		- L1

Basic specifications

Model	Motor(W)	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM200-S DRMP200-S	600	I A	L10	500	100~2000	120	40
			L25	1250		90	15
			L50	2500		40	5
	800		L10	500		150	60
			L25	1250		100	20
			L50	2500		40	7

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

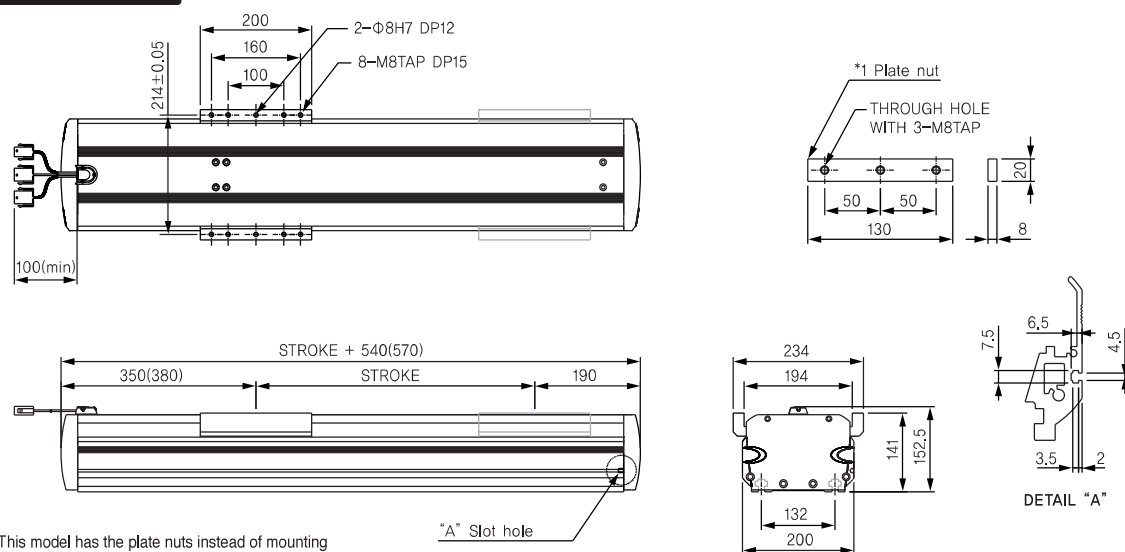
Direction		Moment(N.m)	
Ma	X	621	Mp
	Y	722	Mr
Mb	X	597	My
	Z	746	Mr
Mc	Y	593	My
	Z	710	Mp

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	±0.02mm[±0.005mm]
Drive type	Ball screw, Φ25(Lead 10, 25, 50mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	Weight(kg)(Note2)	24.0	26.6	29.2	31.8	34.4	37.0	39.6	42.2	44.8	47.4	50.5	52.6	55.2	57.8	60.4	63.0	65.6	68.2	70.8	73.4
Maximum Speed (mm/s)	L10					500					440	370	310	270	240	210	180	160	150	130	120
	L25					1250					1100	930	790	690	600	530	470	420	370	340	310
	L50					1500					2210	1860	1590	1380	1200	1060	940	840	750	680	620

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM250-S	Ball screw, Standard specifications, Base width 250mm, In-Line type, 800/1000W, 1~2500mm/s						
DRMP250-S	Ball screw, Standard specifications, Base width 250mm, In-Line type, 800/1000W, 1~2500mm/s, High precision						
Type : In-Line		Stroke : 100~2000mm		Payload : 150kg(Horizontal), 60kg(Vertical)/170kg(Horizontal), 80kg(Vertical)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	250	- S	- 800	- I	- L10	- 2000	- L1



Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)		
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)	
DRM250-S DRMP250-S	800	I A	L10	500	100~2000	150	60	
			L25	1250		100	20	
			L50	2500		40	7	
	1000		L10	500		170	80	
			L25	1250		120	40	
			L50	2500		60	10	

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

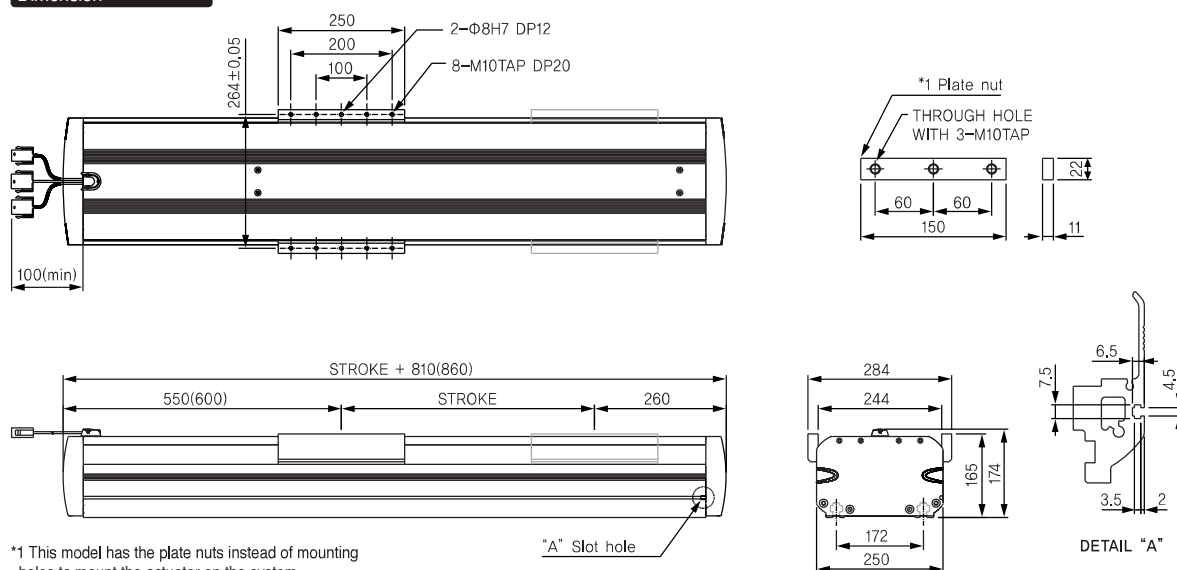
Direction	Moment(N.m)	
	X	Y
Ma	673	1134
Mb	935	1175
Mc	652	790

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ25(Lead10, 25, 50mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	Weight(kg)(Note2)	44.2	47.6	51.0	54.4	57.8	61.2	64.6	68.0	71.4	74.8	78.2	81.6	85.0	88.4	91.8	95.2	98.6	102.0	105.4	108.8
Maximum Speed (mm/s)	L10					500				470	390	330	290	250	220	190	170	150	140	120	110
	L25					1250				1100	990	840	720	630	550	490	430	390	350	320	290
	L50					2500				2370	1990	1690	1450	1260	1110	980	870	780	710	640	580

* The above speed is based on the acceleration of 0.3G


Applicable controllers

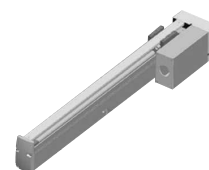
Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM50-P	Ball screw, Standard specifications, Base width 50mm, Side mount type, 80W, 1~1000mm/s,						
DRMP50-P	Ball screw, Standard specifications, Base width 50mm, Side mount type, 80W, 1~1000mm/s, High precision						
Type : Side mount Stroke : 100~1100mm Payload : 15kg(Horizontal), 9kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	50	- LP -	80	- I -	L10	1100	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM50-P DRMP50-P	800	I A	L05	250	100~600	15	9
			L10	500	100~1100	15	7
			L20	1000		7	3

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

Allowable dynamic moment

Direction	Moment(N.m)	
	X	Y
Ma	X	7.9 Mp
	Y	5.2 Mr
Mb	X	6.6 My
	Z	5.2 Mr
Mc	Y	6.7 My
	Z	5.6 Mp

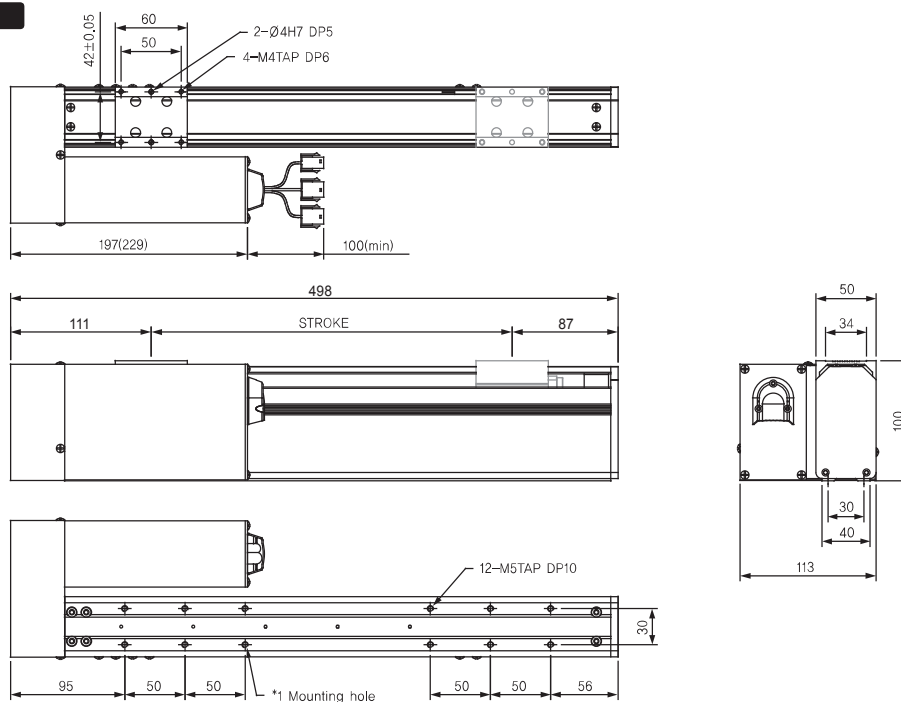
Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* According to options the price is changeable.

Dimension



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
Maximum Speed (mm/s)	L05	250						-	-	-	-	-
	L10	500						400	320	260	220	
	L20	1000						800	640	530	440	

* The above speed is based on the acceleration of 0.3G


Applicable controllers

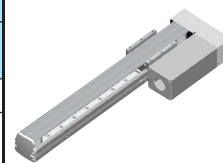
Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM60-P	Ball screw, Standard specifications, Base width 60mm, Side mount type, 80W, 1~500mm/s						
DRMP60-P	Ball screw, Standard specifications, Base width 60mm, Side mount type, 80W, 1~500mm/s, High precision						
Type : Side mount Stroke : 100~400mm Payload : 10kg(Horizontal), 7kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	60	- LP	- 80	- I	- L10	- 400	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM60-P DRMP60-P	800	I A	L10	500	100~400	10	7

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

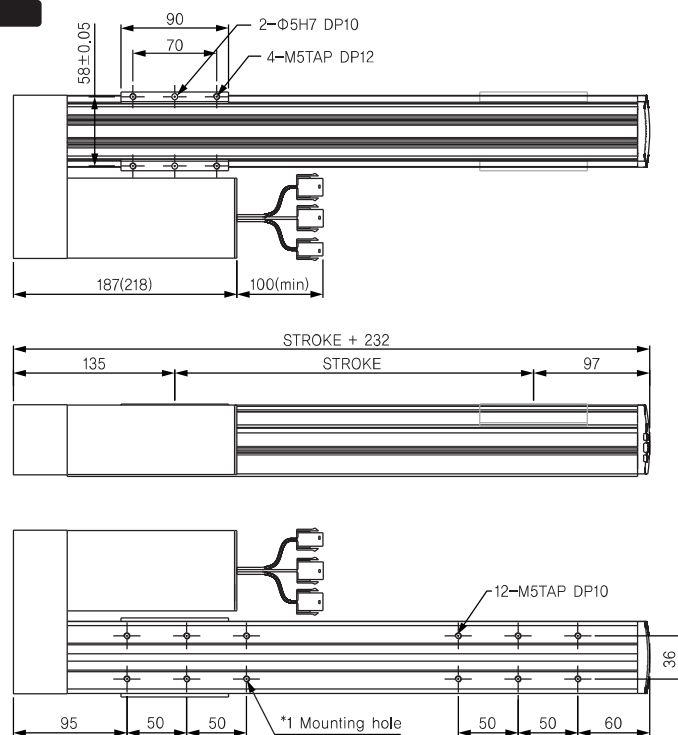
Direction	Moment(N.m)		
Ma	x	7	Mp
	y	5	Mr
Mb	x	21	My
	z	9	Mr
Mc	y	23	My
	z	22	Mp

Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ12(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400
	Weight(kg)(Note2)	2.2	2.7	3	3.3	3.3	3.6	3.6
Maximum Speed (mm/s)	L10	500						

※ The above speed is based on the acceleration of 0.3G


Applicable controllers

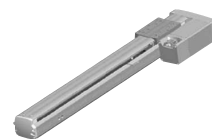
Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM80-P	Ball screw, Standard specifications, Base width 80mm, Side mount type, 80W, 1~1000mm/s,						
DRMP80-P	Ball screw, Standard specifications, Base width 80mm, Side mount type, 80W, 1~1000mm/s, High precision						
Type : Side mount Stroke : 100~1100mm Payload : 20kg(Horizontal), 9kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	80	- LP -	80	- I -	L10	1100	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM80-P	80	I A	L05	250	100~600	20	9
DRMP80-P			L10	500	100~1100	20	7
			L20	1000		7	3

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

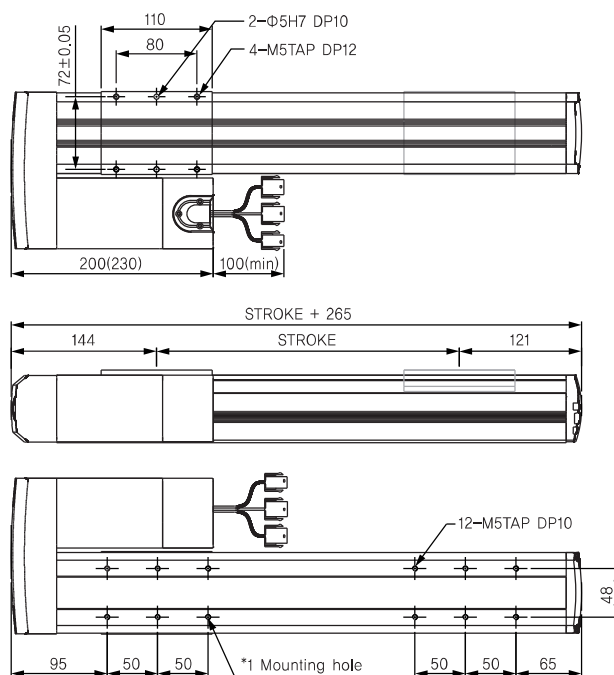
Direction	Moment(N.m)	
Ma	x	12 Mp
	y	15 Mr
Mb	x	36 My
	z	29 Mr
Mc	y	50 My
	z	38 Mp

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	3.9	4.5	5.1	5.7	6.3	6.3	7.5	8.1	8.7	9.3	9.9
Maximum Speed (mm/s)	L05	250						-	-	-	-	-
	L10	500						480	380	310	250	210
	L20	1000						970	770	620	510	430

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM115-P	Ball screw, Standard specifications, Base width 115mm, Side mount type, 200W, 1~1000mm/s,						
DRMP115-P	Ball screw, Standard specifications, Base width 115mm, Side mount type, 200W, 1~1000mm/s, High precision						
Type : Side mount Stroke : 100~1100mm Payload : 80kg(Horizontal), 35kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	115	- LP	- 200	- I	- L10	- 1100	- L1



Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM115-P	200	I A	L05	250	100~600	80	35
DRMP115-P			L10	500	100~1100	60	20
			L20	1000		30	8

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

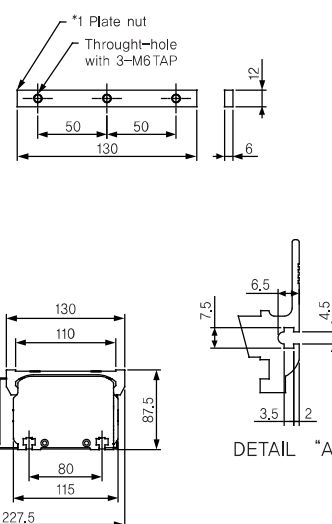
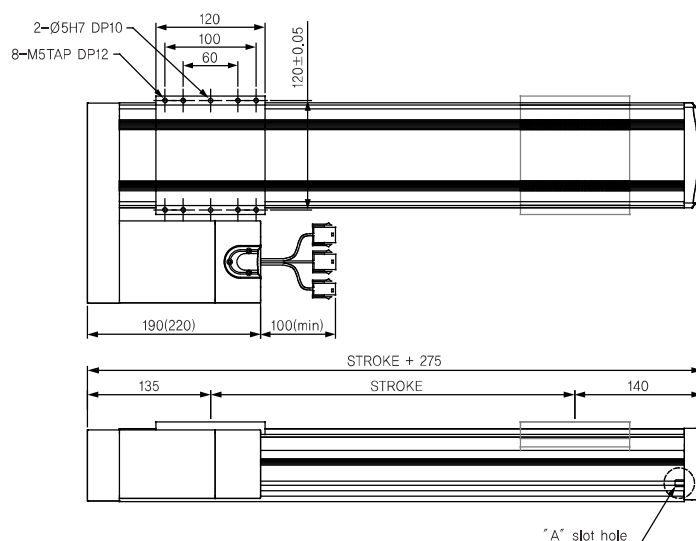
Direction	Moment(N.m)	
	X	Y
Ma	X	99
	Y	125
Mb	X	103
	Z	129
Mc	Y	97
	Z	118

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, $\Phi 15$ (Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Notet)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	7	8	8.9	9.8	10.7	11.6	12.5	13.4	14.3	15.2	16.1
Maximum Speed (mm/s)	L05	250						-	-	-	-	-
	L10	500						480	380	300	250	210
	L20	1000						960	760	610	500	420

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM130-P	Ball screw, Standard specifications, Base width 130mm, Side mount type, 200W, 1~1000mm/s,						
DRMP130-P	Ball screw, Standard specifications, Base width 130mm, Side mount type, 200W, 1~1000mm/s, High precision						
Type : Side mount Stroke : 100~1100mm Payload : 80kg(Horizontal), 35kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	130	- LP -	200	- I -	L10	1100	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM130-P	200	I A	L05	250	100~600	80	35
DRMP130-P			L10	500	100~1100	60	20
			L20	1000		30	8

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

* According to options the price is changeable.

Allowable dynamic moment

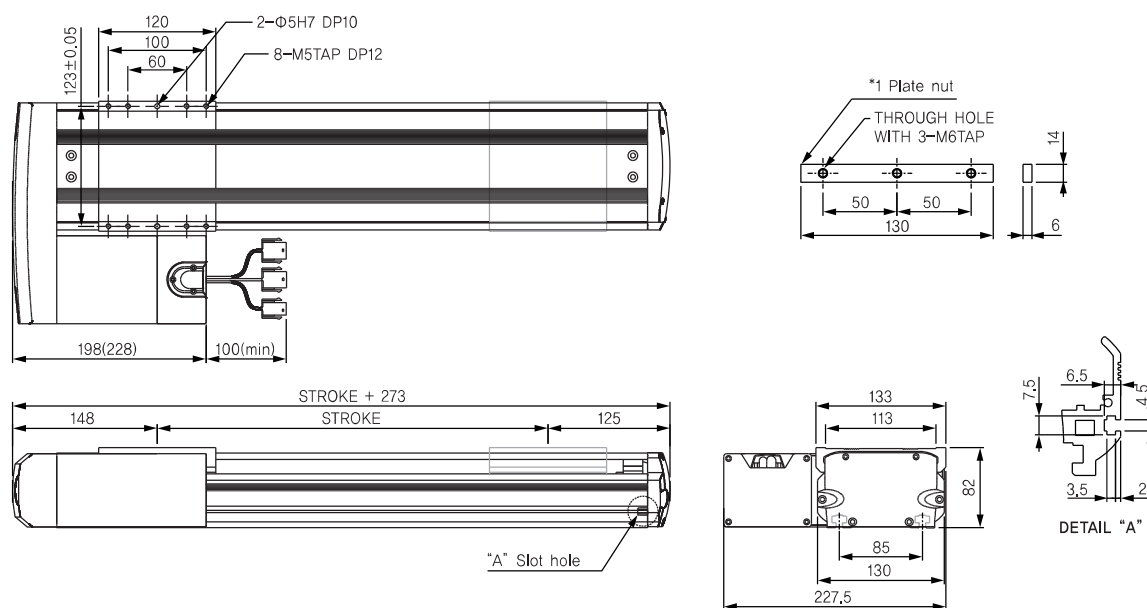
Direction		Moment(N.m)	
Ma	X	100	Mp
	Y	136	Mr
Mb	X	112	My
	Z	143	Mr
Mc	Y	101	My
	Z	122	Mp

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100
	Weight(kg)(Note2)	6.7	7.6	8.5	9.4	10.3	11.2	12.1	13	13.9	14.8	15.7
Maximum Speed(mm/s)	L05	250						-	-	-	-	-
	L10	500						490	390	310	260	210
	L20	1000						990	780	630	520	430

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM160-P	Ball screw, Standard specifications, Base width 160mm, In-Line type, 400W/600W, 1~1000mm/s,						
DRMP160-P	Ball screw, Standard specifications, Base width 160mm, In-Line type, 400W/600W, 1~1000mm/s, High precision						
Type : Side mount Stroke : 100~1500mm Payload : 120kg(Horizontal), 45kg(Vertical)/120kg(Horizontal), 40kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	160	- LP	- 600	- I	- L10	- 1500	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM160-P DRMP160-P	400	I A	L05	250	100~600	120	45
			L10	500	100~1500	100	35
			L20	1000		60	15
	600		L10	500		120	40
			L20	1000	100	20	

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

Direction	Moment(N.m)	
Ma	X	165 Mp
	Y	232 Mr
Mb	X	190 My
	Z	246 Mr
Mc	Y	174 My
	Z	211 Mp

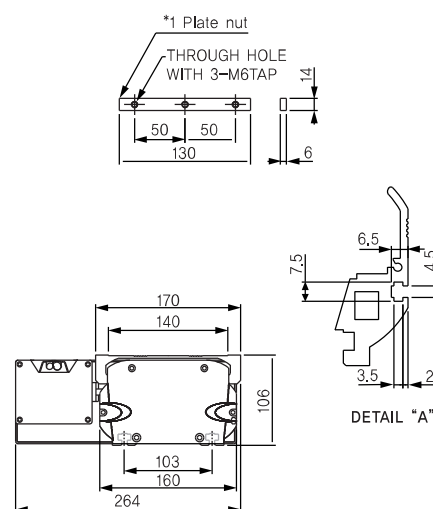
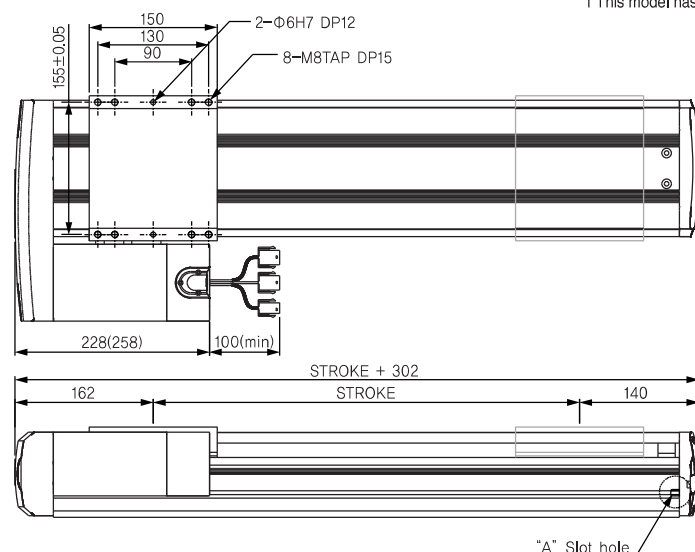
Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10, 20mm), Φ20(Lead 10, 20mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension

*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
	Weight(kg)(Note2)	11.4	12.8	14.2	15.6	17.0	18.4	19.8	21.2	22.6	24.0	25.4	26.8	28.2	29.6	31.0
Maximum Speed(mm/s)	L05				250			-	-	-	-	-	-	-	-	-
	L10				500			470	370	300	250	210	255	220	192	169
	L20				1000			950	750	610	500	420	511	440	384	337


※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM200-P	Ball screw, Standard specifications, Base width 200mm, Side mount type, 600W/800W, 1~2500mm/s,							
DRMP200-P	Ball screw, Standard specifications, Base width 200mm, Side mount type, 600W/800W, 1~2500mm/s, High precision							
Type : Side mount		Stroke : 100~2000mm		Payload : 120kg(Horizontal), 40kg(Vertical)/150kg(Horizontal), 60kg(Vertical)				
Series	Base width	Type	Motor	Encoder	Speed	Stroke		Option
DRM	200	- LP -	800	- I -	L10	- 2000 -		L1

Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM200-P DRMP200-P	600	I A	L10	500	100~2000	120	40
			L25	1250		90	17
			L50	2500		30	7
	800		L10	500		150	60
			L25	1250		120	22
			L50	2500		40	9

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

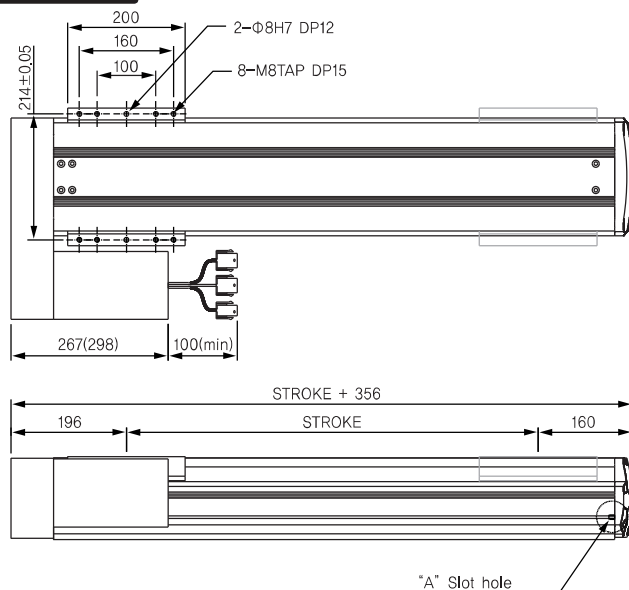
Direction	Moment(N.m)	
Ma	X	621 Mp
	Y	722 Mr
Mb	X	597 My
	Z	746 Mr
Mc	Y	593 My
	Z	710 Mp

Common specifications

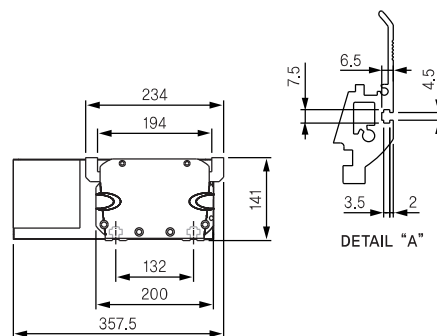
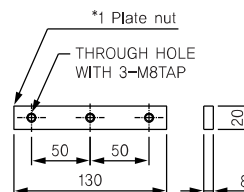
※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ25(Lead10, 25, 50)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Notel)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	Weight(kg)(Note2)	24.0	26.6	29.2	31.8	34.4	37.0	39.6	42.2	44.8	47.4	50.0	52.6	55.2	57.8	60.4	63.0	65.6	68.2	70.8	73.4
Maximum Speed (mm/s)	L05					500					440	370	310	270	240	210	180	160	150	130	120
	L10					1250					1100	930	790	690	600	530	470	420	370	340	310
	L20					2500					2210	1860	1590	1380	1200	1060	940	840	750	680	620

※ The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM250-P	Ball screw, Standard specifications, Base width 250mm, Side mount type, 800/1000W, 1~2500mm/s,						
DRMP250-P	Ball screw, Standard specifications, Base width 250mm, Side mount type, 800/1000W, 1~2500mm/s, High precision						
Type : Side mount Stroke : 100~2000mm Payload : 150kg(Horizontal), 60kg(Vertical)/170kg(Horizontal), 80kg(Vertical)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	250	- LP	- 800	- I	- L10	- 2000	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM250-P DRMP250-P	600	I A	L10	500	100~2000	150	60
			L25	1250		100	20
			L50	2500		40	7
	800		L10	500		170	80
			L25	1250		120	40
			L50	2500		60	10

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
B	Brake

※ According to options the price is changeable.

Allowable dynamic moment

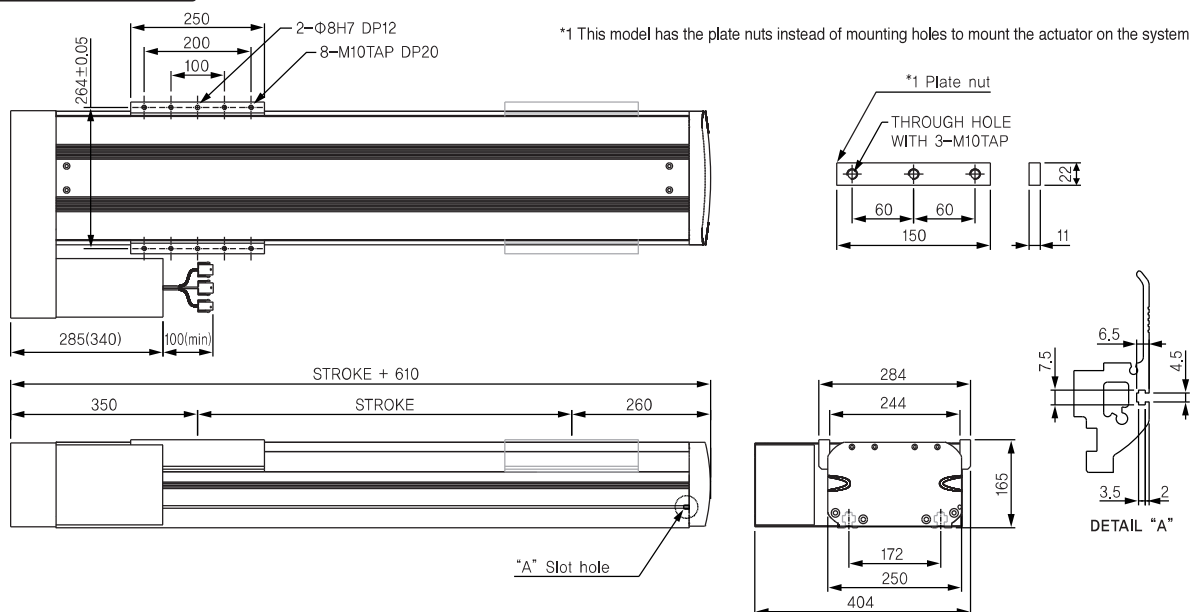
Direction	Moment(N.m)	
	X	Y
Ma	X	673
	Y	1134
Mb	X	935
	Z	1175
Mc	Y	652
	Z	790

Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ25(Lead10, 25, 50mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Notel)	5m(standard), 7m, 10m(option)

Dimension



Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	Weight(kg)(Note2)	38.4	41.8	45.2	48.6	52.0	55.4	58.8	62.2	65.6	69.0	72.4	75.8	79.2	82.6	86.0	89.4	92.8	96.2	99.6	103.0
Maximum Speed (mm/s)	L10					500				470	390	330	290	250	220	190	170	150	140	120	110
	L25					1250				1100	990	840	720	630	550	490	430	390	350	320	290
	L50					2500				2370	1990	1690	1450	1260	1110	980	870	780	710	640	580

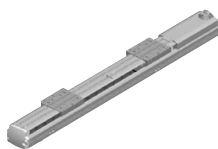
※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM80-SD	Ball screw, Dual sliders, Base width 80mm, In-Line type, 80W, 1~500mm/s,							
DRMP80-SD	Ball screw, Dual sliders, Base width 80mm, In-Line type, 80W, 1~500mm/s, High precision							
Type : Dual sliders		Stroke : 100~600mm		Payload : 10kg(Horizontal)				
Series	Base width	Type	Motor	Encoder	Speed	Stroke		Option
DRM	80	- SD -	80	- I -	L10	600		- L1

Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM80-SD DRMP80-SD	80	I A	L10	500	100~600	10	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal

* According to options the price is changeable.

Allowable dynamic moment

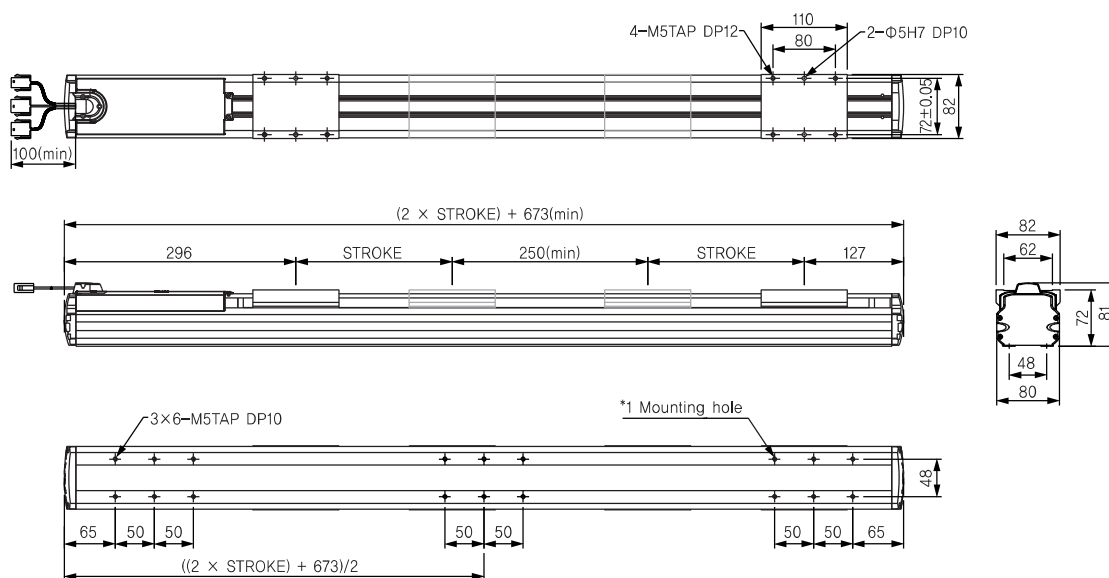
Direction	Moment(N.m)		
Ma	x	12	Mr
	y	15	Mr
Mb	x	36	My
	z	29	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	9.0	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17.0
Maximum Speed(mm/s)	L10	500							470	470	340	340

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM130-SD	Ball screw, Dual sliders, Base width 130mm, In-Line type, 200W, 1~500mm/s,						
DRMP130-SD	Ball screw, Dual sliders, Base width 130mm, In-Line type, 200W, 1~500mm/s, High precision						
Type : Dual sliders Stroke : 100~600mm Payload : 20kg(Horizontal)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	130	- SD	- 200	- I	- L10	- 600	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM130-SD DRMP130-SD	200	I A	L10	500	100~600	20	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

* According to options the price is changeable.

Allowable dynamic moment

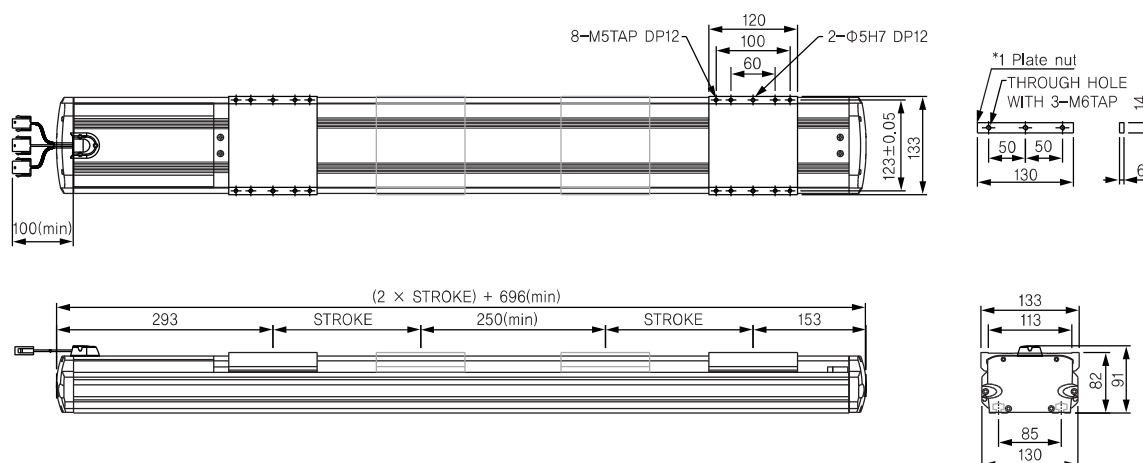
Direction	Moment(N.m)		
Ma	x	256	Mp
	y	347	Mr
Mb	x	285	My
	z	364	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Not1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	14.0	15.3	16.6	17.9	19.2	20.5	21.8	23.1	24.2	25.5	27.0
Maximum Speed(mm/s)	L10	500							480	480	350	350

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM160-SD	Ball screw, Dual carriers, Base width 160mm, In-Line type, 400W, 1~500mm/s,						
DRMP160-SD	Ball screw, Dual carriers, Base width 160mm, In-Line type, 400W, 1~500mm/s, High precision						
Type : Dual sliders		Stroke : 100~600mm		Payload : 30kg(Horizontal)			
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	160	- SD -	400	- I -	L10	- 600 -	L1



Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM160-SD DRMP160-SD	400	I A	L10	500	100~600	30	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

* According to options the price is changeable.

Allowable dynamic moment

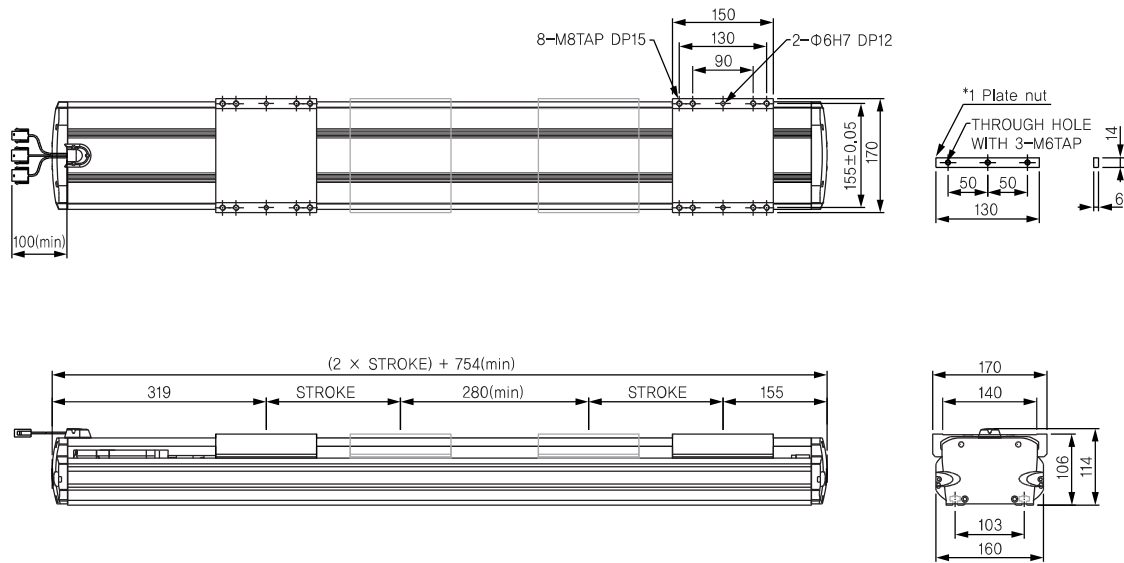
Direction	Moment(N.m)		
Ma	X	240	Mr
	Y	338	Mr
Mb	X	276	My
	Z	358	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	22.6	24.3	26.0	27.7	29.4	31.1	32.8	34.5	36.2	37.9	39.6
Maximum Speed(mm/s)	L10	500							450	450	330	330

* The above speed is based on the acceleration of 0.3G


Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM80-DP	Ball screw, Dual sliders, Base width 80mm, Side mount type, 80W, 1~500mm/s,						
DRMP80-DP	Ball screw, Dual sliders, Base width 80mm, Side mount type, 100W, 1~500mm/s, High precision						
Type : Dual sliders Stroke : 100~600mm Payload : 10kg(Horizontal)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	80	- SD	- 80	- I	- L10	- 600	- L1





Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM80-DP DRMP80-DP	80	I A	L10	500	100~600	10	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

※ According to options the price is changeable.

Allowable dynamic moment

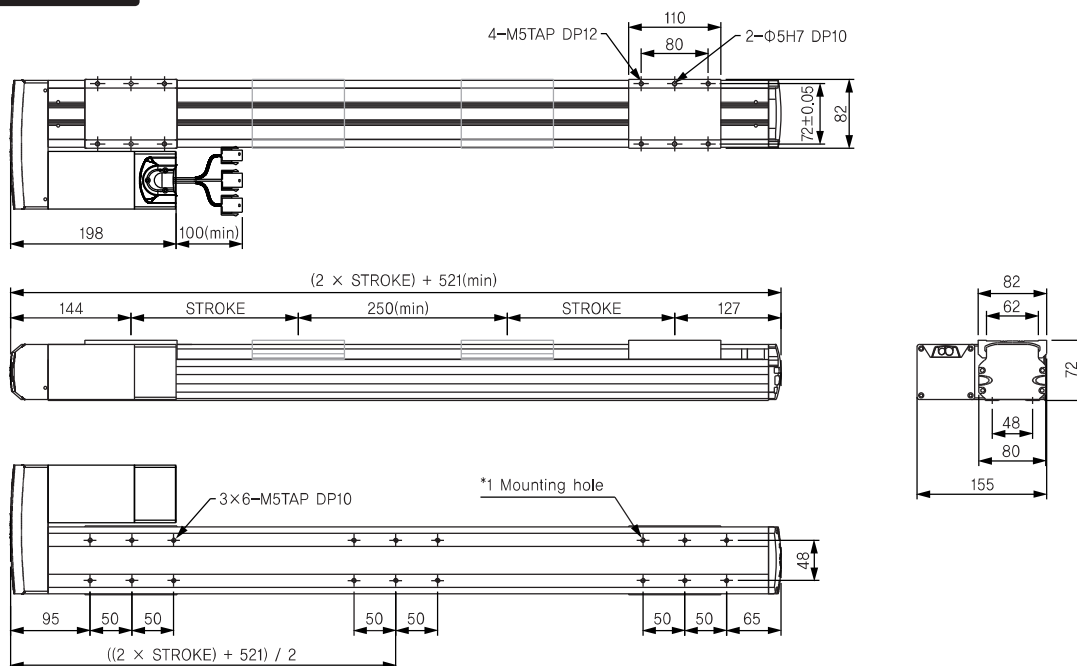
Direction	Moment(N.m)		
Ma	x	12	Mp
	y	15	Mr
Mb	x	36	My
	z	29	Mr

Common specifications

※ DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead5, 10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	8.5	9.3	10.1	10.9	11.7	12.5	13.3	14.1	14.9	15.7	16.5
Maximum Speed(mm/s)	L10	500							470	470	340	340


※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM130-DP	Ball screw, Dual sliders, Base width 130mm, Side mount type, 200W, 1~500mm/s								
DRMP130-DP	Ball screw, Dual sliders, Base width 130mm, Side mount type, 200W, 1~500mm/s, High precision								
Type : Dual sliders		Stroke : 100~600mm		Payload : 20kg(Horizontal)					
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option		
DRM	130	- DL -	200	- I -	L10	- 600 -	L1		

Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM130-DP DRMP130-DP	200	I A	L10	500	100~600	20	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

* According to options the price is changeable.

Allowable dynamic moment

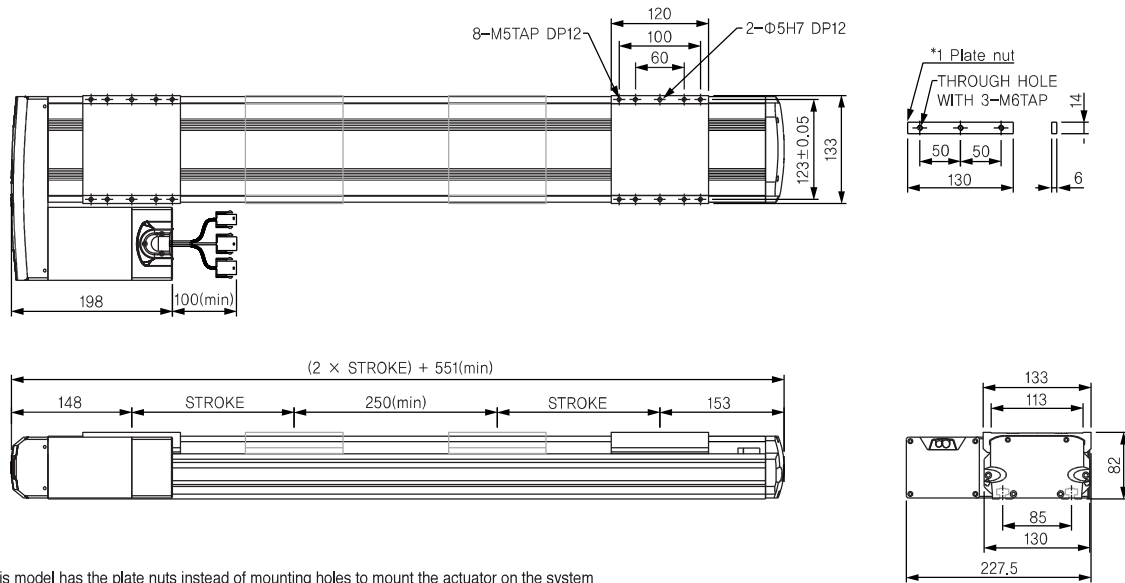
Direction	Moment(N.m)		
Ma	X	256	Mr
	Y	347	Mr
Mb	X	285	My
	Z	364	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	13.4	14.7	16.0	17.3	18.6	19.9	21.2	22.5	23.6	24.9	26.4
Maximum Speed(mm/s)	L10	500							480	480	350	350

* The above speed is based on the acceleration of 0.3G

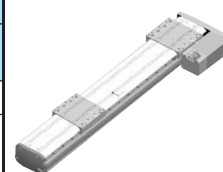
Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM160-DP	Ball screw, Dual sliders, Base width 160mm, Side mount type, 400W, 1~500mm/s						
DRMP160-DP	Ball screw, Dual sliders, Base width 160mm, Side mount type, 400W, 1~500mm/s, High precision						
Type : Dual sliders Stroke : 100~600mm Payload : 30kg(Horizontal)							
Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	160	- DL	- 400	- I	- L10	- 600	- L1



Basic specifications

Model	Motor	Encoder	Speed		Stroke(mm)	Payload(Maximum)	
			Lead(mm)	Speed(mm/s)		Horizontal(kg)	Vertical(kg)
DRM160-DP DRMP160-DP	400	I A	L10	500	100~600	30	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

* According to options the price is changeable.

Allowable dynamic moment

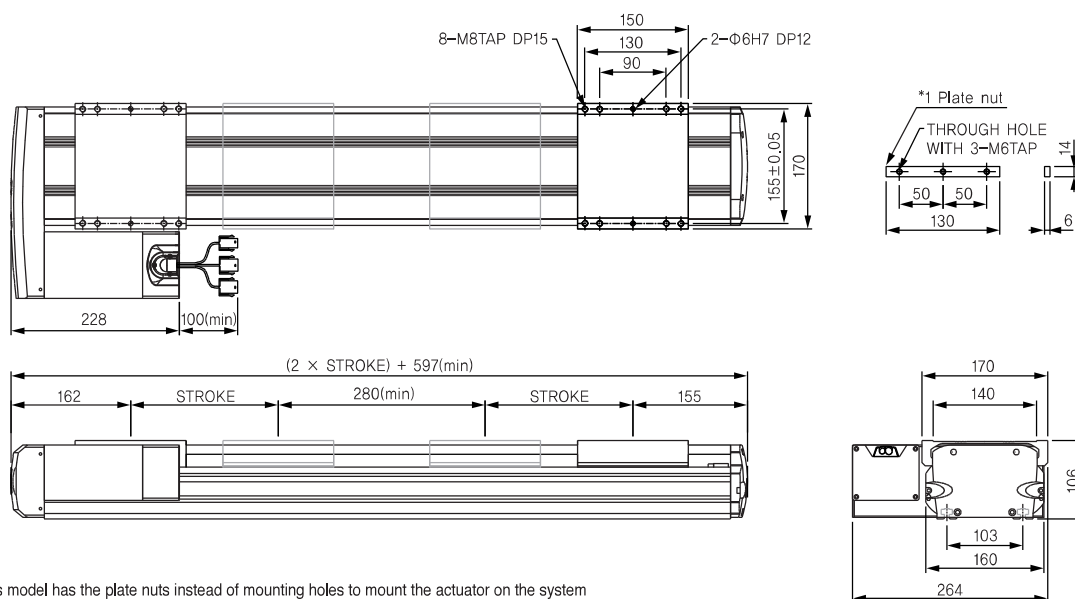
Direction	Moment(N.m)		
Ma	x	240	Mp
	y	338	Mr
Mb	x	276	My
	z	358	Mr

Common specifications

* DRMP specifications are shown in []

Positioning Repeatability	+/-0.02mm[+/-0.005mm]
Drive type	Ball screw, Φ15(Lead10mm)
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

	Stroke(mm)	100	(150)	200	(250)	300	(350)	400	(450)	500	(550)	600
	Weight(kg)	22.4	24.1	25.8	27.5	29.2	30.9	32.6	34.4	36.0	37.7	39.4
Maximum Speed(mm/s)	L10	500							450	450	330	330

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axes	151

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRM series

DRMC series

DLM series

DTR series

DSM series

iMS-J series

iM-Σ series

ACCESSORIES

RV series

DRM90-B

Belt, Standard specifications, Base width 90mm, 400W, 1~1800mm/s

Type : Belt

Stroke : 1000~2500mm

Payload : 25kg(Horizontal)

Series Base width Type Motor Encoder Speed Stroke Option
DRM 90 - B - 400 - I - 1800 - 2500 - L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM90-B	400	I A	1800	2500	25	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

※ According to options the price is changeable.

Allowable dynamic moment

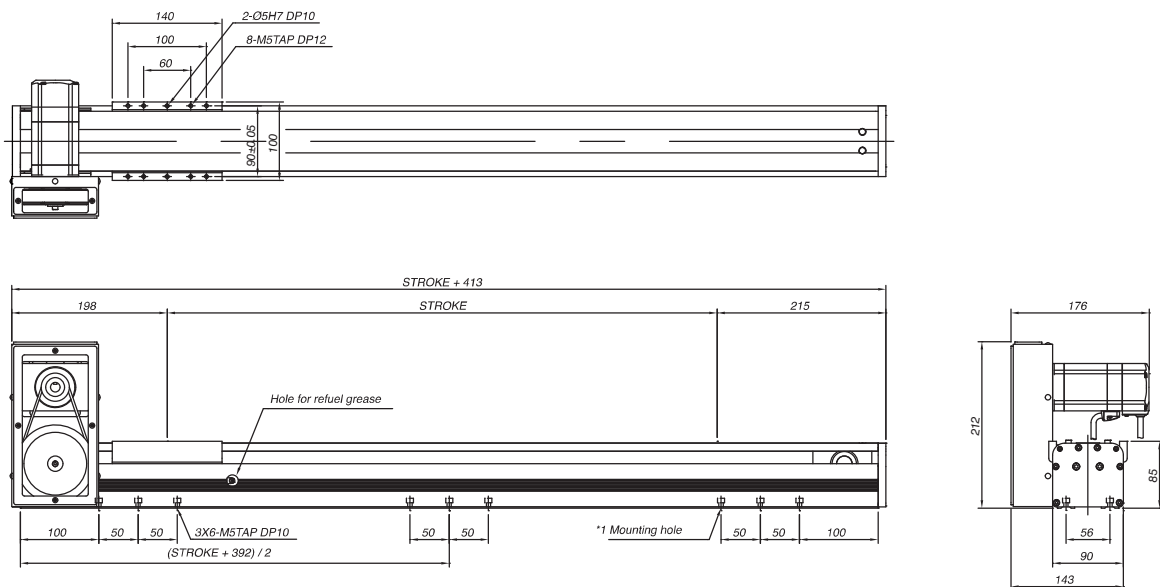
Direction	Moment(N.m)	
Ma	X	7.8 Mp
	Y	11.4 Mr

Common specifications

Positioning Repeatability	+/-0.08mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 36.65mm

Dimension



*1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Weight(kg)(Note2)	14.0	14.8	15.6	16.4	17.2	18.0	18.8	19.6	20.4	21.2	22.0	22.8	23.6	24.4	25.2	26.0
Maximum Speed(mm/s)	1800															

※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM90-BG

Belt, Standard specifications, Gear type (to adjust gear ratio),
Base width 90mm, 400W, 1~1800mm/s

Type : Belt

Stroke : 1000~2500mm

Payload : 25kg(Horizontal)

Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	90	- BG	- 400	- I	- 1800	- 2500	- L1 - G3



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM90-BG	400	I A	1800	2500	25	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal
G digit	Gear Ratio(Ex. G3=3:1)

* According to options the price is changeable.

Allowable dynamic moment

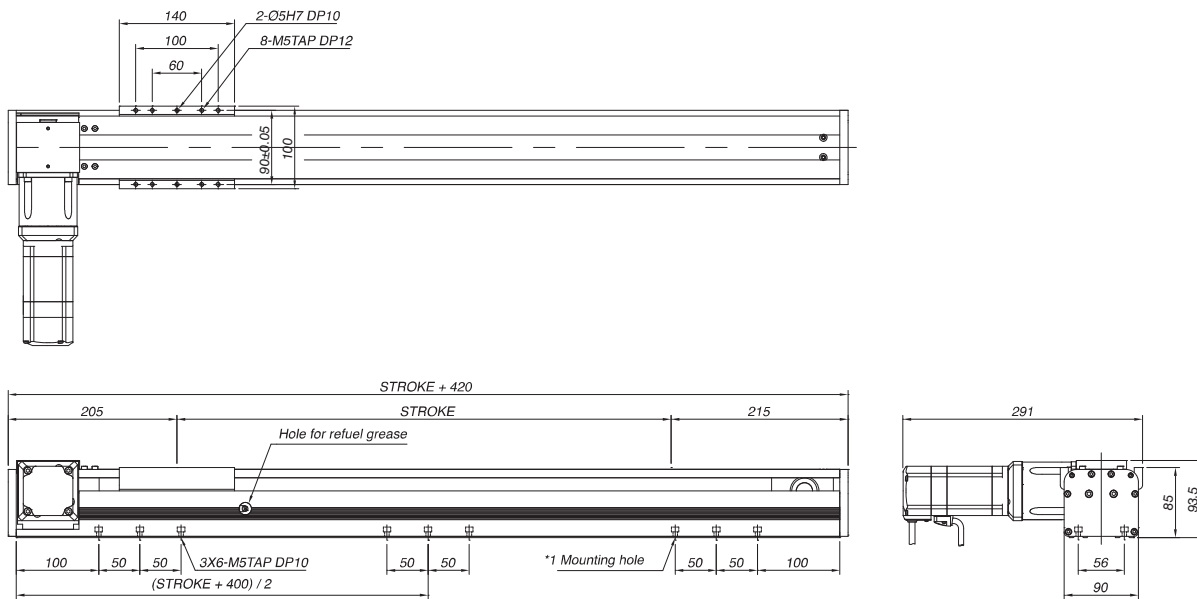
Direction	Moment(N.m)	
	x	y
Ma	9.5	27.0
	Mr	

Common specifications

Positioning Repeatability	+/-0.08mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 36.66mm

Dimension



* 1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Weight(kg)	15.9	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.1	23.9	24.7	25.5	26.3	27.1	27.9
Maximum Speed(mm/s)	1800															

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.

DRM series

DRMC series

DLM series

DTR series

DSM series

iMS-J series

iM-Σ series

ACCESSORIES

RV series

DRM130-B

Belt, Standard specifications, Base width 130mm, 600W, 1~2000mm/s,

Type : Belt

Stroke : 1000~2500mm

Payload : 35kg(Horizontal)

Series Base width Type Motor Encoder Speed Stroke Option
DRM 130 - B - 600 - I - 2000 - 2500 - L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM130-B	600	I A	2000	2500	35	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

※ According to options the price is changeable.

Allowable dynamic moment

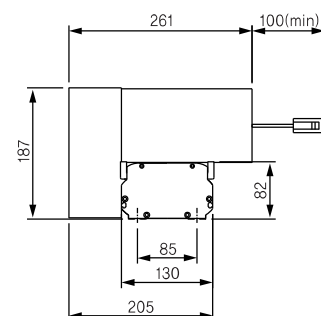
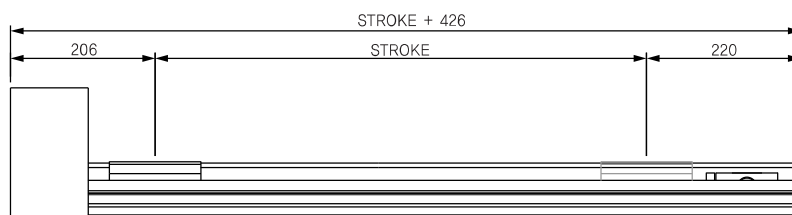
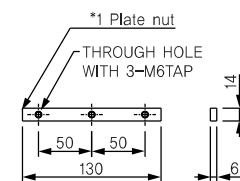
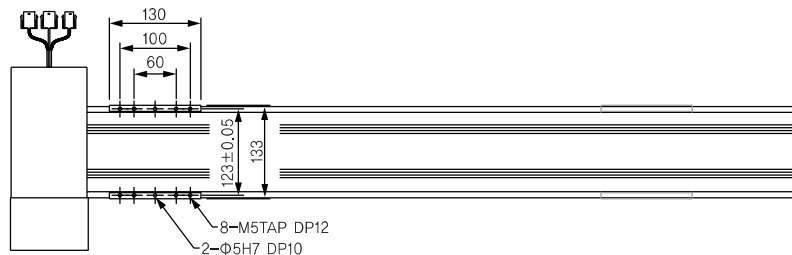
Direction	Moment(N.m)	
Ma	X	129.1
	Y	105.5
	Mr	

Common specifications

Positioning Repeatability	+/-0.1mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 41.67mm

Dimension



*1 Mounting holes positions under the base are available to adjust

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Weight(kg)(Note2)	16.9	18.2	19.5	20.8	22.1	23.4	24.7	26.0	27.3	28.6	29.9	31.2	32.5	33.8	35.1	36.4
Maximum Speed(mm/s)	2000															

※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM160-B

Belt, Standard specifications, Base width 160mm, 800W, 1~2000mm/s,

Type : Belt

Stroke : 1000~2500mm

Payload : 50kg(Horizontal)

Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	160	- B	- 800	- I	- 2000	- 2500	- L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM160-B	800	I A	2000	2500	50	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

Allowable dynamic moment

Direction	Moment(N.m)	
Ma	x	359.8 Mp
	y	263.6 Mr

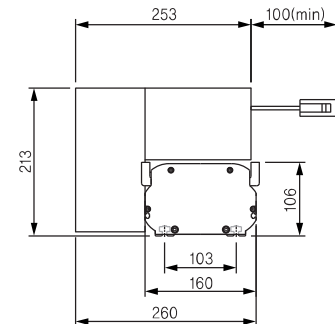
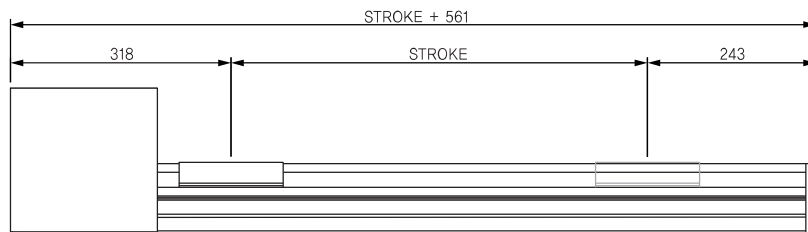
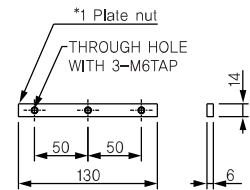
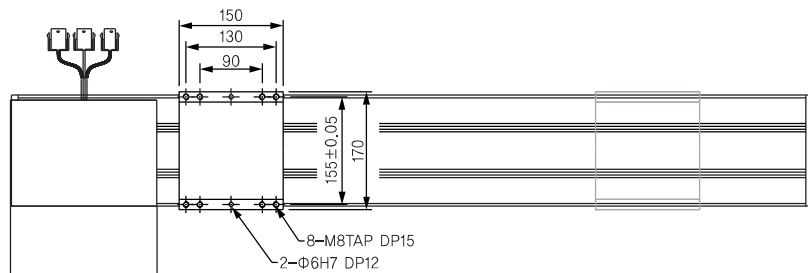
Common specifications

Positioning Repeatability	+/-0.1mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 40.00mm

* According to options the price is changeable.

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
Weight(kg)	30.0	31.7	33.4	35.1	36.8	38.5	40.2	41.9	43.6	45.3	47.0	48.7	50.4	52.1	53.8	55.5
Maximum Speed(mm/s)	2000															

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM series

DRMC series

DLM series

DTR series

DSM series

iMS-J series

iM-Σ series

ACCESSORIES

RV series

DRM200-B

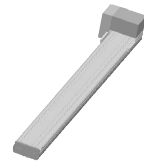
Belt, Standard specifications, Base width 200mm, 1000W, 1~2000mm/s,

Type : Belt

Stroke : 1000~4000mm

Payload : 70kg(Horizontal)

Series Base width Type Motor Encoder Speed Stroke Option
DRM 200 - B - 1000 - I - 2000 - 4000 - L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM200-B	1000	I A	2000	4000	70	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

※ According to options the price is changeable.

Allowable dynamic moment

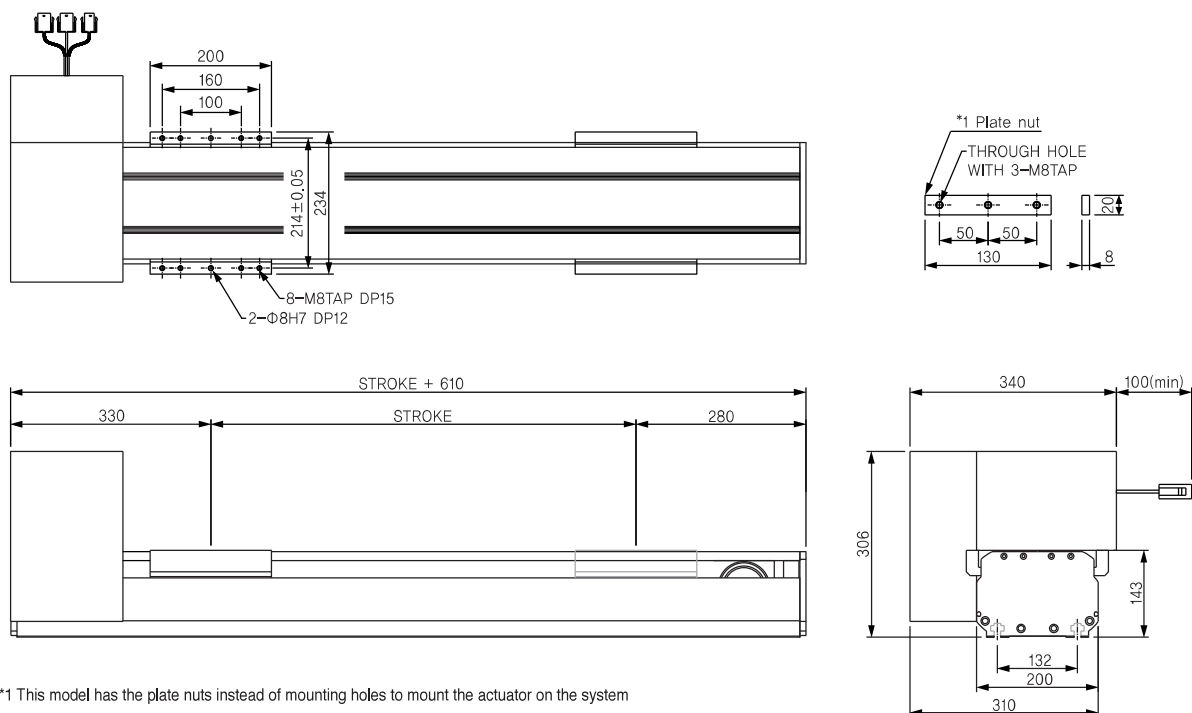
Direction	Moment(N.m)	
Ma	X	738.6 Mp
	Y	643.7 Mr

Common specifications

Positioning Repeatability	+/-0.1mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 40.00mm

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000~2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
Weight(kg)	53.2~89.2	91.6	94.0	96.4	98.8	101.2	103.6	106.0	108.4	110.8	113.2	115.6	118.0	120.4	122.8	125.2
Maximum Speed(mm/s)	2000															

※ The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM250-B

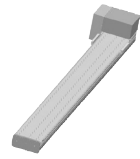
Belt, Standard specifications, Base width 250mm, 1000W, 1~2500mm/s,

Type : Belt

Stroke : 1000~4500mm

Payload : 70kg(Horizontal)

Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	250	- B	- 1000	- I	- 2500	- 4500	- L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM250-B	1000	I A	2500	4500	70	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

* According to options the price is changeable.

Allowable dynamic moment

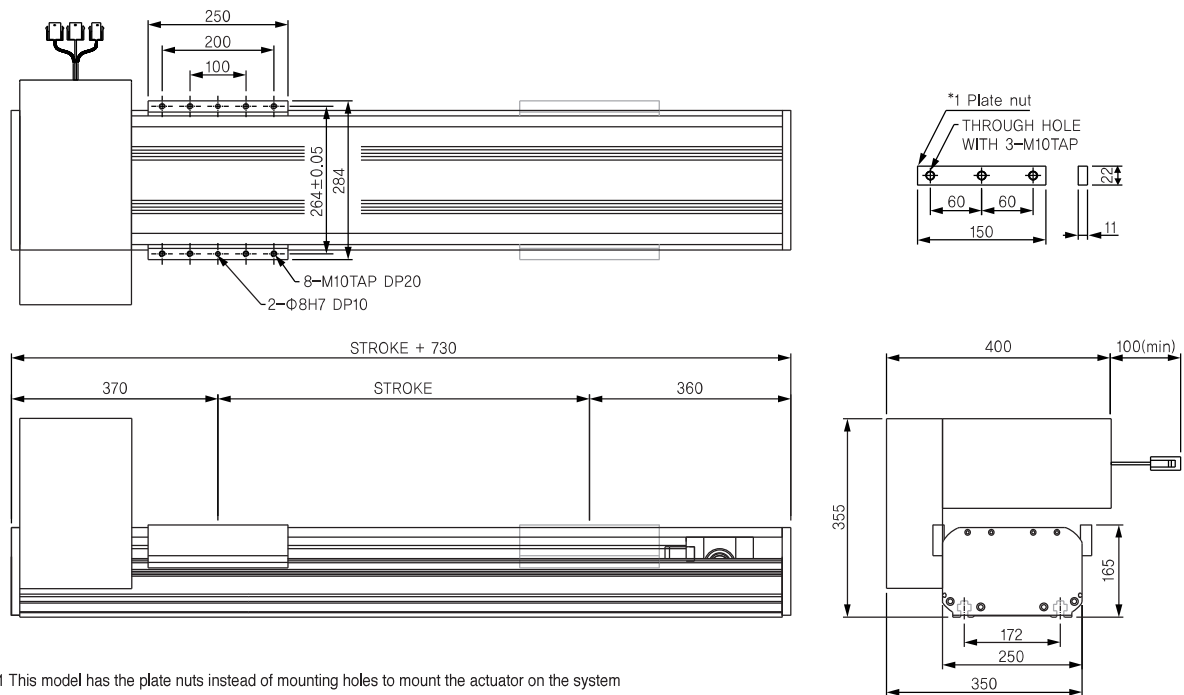
Direction	Moment(N.m)	
Ma	x	1161.1
	y	829.3
	Mr	

Common specifications

Positioning Repeatability	+/-0.1mm
Drive type	*Belt
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* The move distance of belt per revolution of motor is 52.00mm

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000~2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500
Weight(kg)	80.6~130.1	133.4	136.7	140.0	143.3	146.6	149.9	153.2	156.5	159.8	163.1	166.4	169.7	173.0	176.3	179.6	182.9	186.2	189.5	192.8	196.1
Maximum Speed(mm/s)	2000																				

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

- (1) Required cable length is optional. Maximum length is 30m.
The performance of longer length than 15m is effected by the installation environment.
- (2) This is the weight of the model without brake.
The model equipped with a brake motor is 0.5kg heavier than this value

DRM series

DRMC series

DLM series

DTR series

DSM series

iMS-J series

iM-Σ series

ACCESSORIES

RV series

DRM250-R

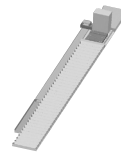
Rack&Pinion, Base width 250mm,
1000W, 1~2000mm/s,

Type : Rack&Pinion

Stroke : 1000~4000mm

Payload : 70kg(Horizontal)

Series	Base width	Type	Motor	Encoder	Speed	Stroke	Option
DRM	250	- R -	1000	- I -	2000	- 4000 -	L1



Basic specifications

Model	Motor(W)	Encoder	Maximum Speed(mm/s)	Maximum Stroke(mm)	Payload(Maximum)	
					Horizontal(kg)	Vertical(kg)
DRM250-R	1000	I A	2000	1000~4000	70	-

Options

Code	Description
L0	None sensor
L1	Limit sensor
L2	Origin sensor
L3	Photo sensor
K	K1 seal
R	Retainer seal

Allowable dynamic moment

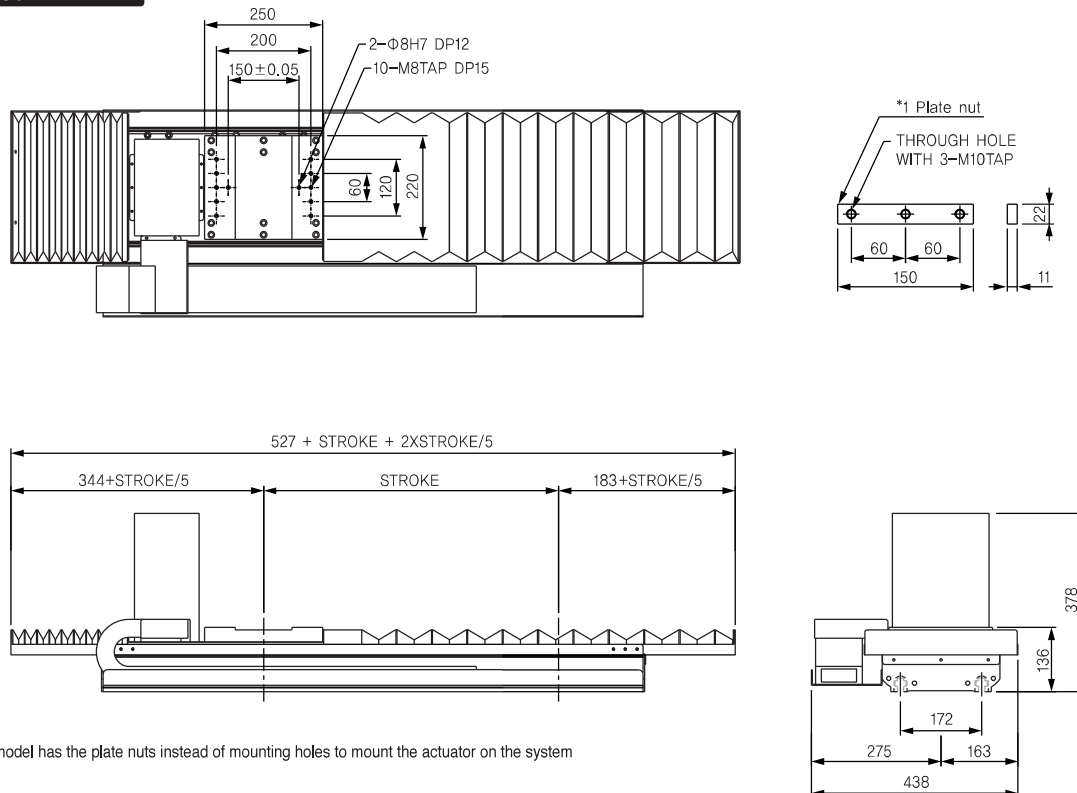
Direction	Moment(N.m)
Ma	X 732.2 Mp
	Y 1103.4 Mr
Mb	X 744.8 My
	Z 609.6 Mr

Common specifications

Positioning Repeatability	+/-0.1mm
Drive type	Rack&Pinion
Base material	Aluminum with Electro-deposition plating treatment
Cables length(Note1)	5m(standard), 7m, 10m(option)

* According to options the price is changeable.

Dimension



*1 This model has the plate nuts instead of mounting holes to mount the actuator on the system

Dimensions, Weight, Maximum Speed

Stroke(mm)	1000	1500	2000	2500	3000	3500	4000
Weight(kg)	75.9	91.4	106.9	122.4	137.9	154.4	168.9
Maximum Speed(mm/s)	2000						

* The above speed is based on the acceleration of 0.3G

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157
iMS-J	1 axis	151

Note

(1) Maximum length is 30m. The performance of longer length than 15m is affected by the installation environment.

DRMR

Rotary, Standard specifications, 80W,
Gear ratio 1/10, 1~1800deg/s

Type : Rotary

Stroke : 360deg

Payload : 2kg

Series Motor Encoder Gear ratio Speed(deg/s)
DRMR - 80 - I - 10 - 1800



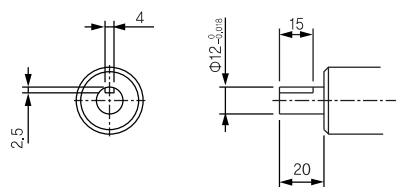
Basic specifications

Model	Motor(W)	Encoder	Gear ratio	Rotary angle (deg)	Maximum Speed (deg/s) (Note1)	Maximum torque(N.m)	Payload(Maximum)	
							Horizontal(kg)	Vertical(kg)
DRMR	80	I	1/10	+/-360	1800	2.47	-	2
	200		-	-	-	-	-	2

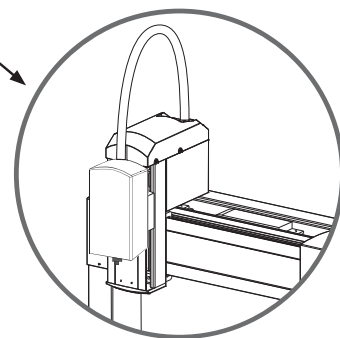
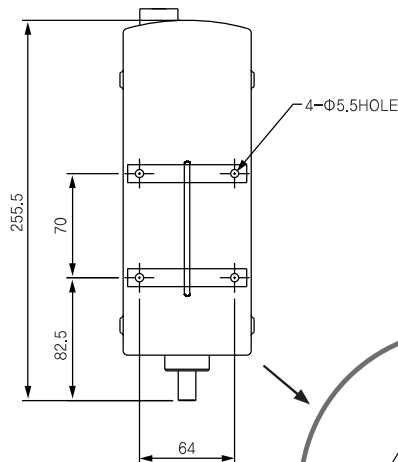
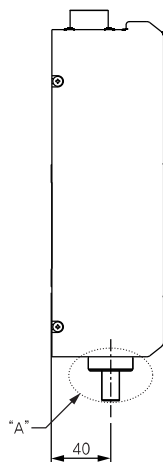
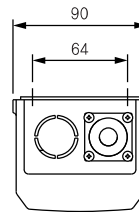
Common specifications

Positioning Repeatability	+/-0.02mm
Drive type	Helical gear
Allowable inertial moment(kg.m2)	0.00169
Cables length(Note2)	No(Standard)
Weight	1.4kg

Dimension



DETAIL "A"



*When apply the Cablevayor and Jabara, need to discuss with us.

Applicable controllers

Controller	Maximum number of controlled axes	Page
iM-Σ	8 axes	157

Note

- (1) The maximum speed is achieved without load.
- (2) Standard specification do not include cable, specifications are no cable. Specify the desired length in meters

DRM series

DRMC series

DLM series

DTR series

DSM series

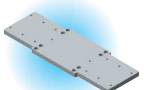



iMS-J series

iM-Σ series

ACCESSORIES

RV series

Assorted combination types and Brackets

Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-A	 MRB-A1	 MRB-A2		
		 MRB-A3		

>> MRB-A1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-A-250	DRM250	DRM200	-	-	-
MRB-A-200	DRM200	DRM160	-	-	-
MRB-A-160	DRM160	DRM130	-	-	-
MRB-A-130	DRM130	DRM80	-	-	-
MRB-A-115	DRM115	DRM80	-	-	-
MRB-A-80	DRM80	DRM60	-	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1						
1						
1						
1						
1						
1						

>> MRB-A2 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-A-250	DRM250	DRM200	-	-	DRM80(50)
MRB-A-200	DRM200	DRM160	-	-	DRM80(50)
MRB-A-160	DRM160	DRM130	-	-	DRM80(50)
MRB-A-130	DRM130	DRM80	-	-	DRM80(50)
MRB-A-115	DRM115	DRM80	-	-	DRM80(50)
MRB-A-80	DRM80	DRM60	-	-	DRM80(50)

>> Applied brackets

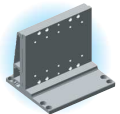


MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
2						
2						
2						
2						
2						
2						

>> MRB-A3 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-A-250	DRM250	DRM200	DRM160	-	-
MRB-A-200	DRM200	DRM160	DRM130	-	-
MRB-A-160	DRM160	DRM130	DRM80	-	-
MRB-A-130	DRM130	DRM80	DRM60	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1						1
1						1
1						1
1						1

Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-B	 MRB-B1	 MRB-B2		

>> MRB-B1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-B-250	DRM250	DRM200	-	-	-
MRB-B-200	DRM200	DRM160	-	-	-
MRB-B-160	DRM160	DRM130	-	-	-
MRB-B-130	DRM130	DRM80	-	-	-
MRB-B-115	DRM115	DRM80	-	-	-
MRB-B-80	DRM80	DRM60	-	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
	1					
	1					
	1					
	1					
	1					
	1					

>> MRB-B2 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-B-250	DRM250	DRM200	DRM160	-	-
MRB-B-200	DRM200	DRM160	DRM130	-	-
MRB-B-160	DRM160	DRM130	DRM80	-	-
MRB-B-130	DRM130	DRM115	DRM80	-	-
MRB-B-115	DRM115	DRM80	DRM60	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1	1					
1	1					
1	1					
1	1					
1	1					

Assorted combination types and Brackets

Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-C	 MRB-C1	 MRB-C2	 MRB-C3	 MRB-C4
		 MRB-C5	 MRB-C6	

>> MRB-C1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	-	-	-
MRB-C-200	DRM200	DRM160	-	-	-
MRB-C-160	DRM160	DRM130	-	-	-
MRB-C-130	DRM130	DRM80	-	-	-
MRB-C-115	DRM115	DRM80	-	-	-
MRB-C-80	DRM80	DRM60	-	-	-

>> MRB-C2 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	-	-	DRM80(50)
MRB-C-200	DRM200	DRM160	-	-	DRM80(50)
MRB-C-160	DRM160	DRM130	-	-	DRM80(50)
MRB-C-130	DRM130	DRM80	-	-	DRM80(50)
MRB-C-115	DRM115	DRM80	-	-	DRM80(50)
MRB-C-80	DRM80	DRM60	-	-	DRM80(50)

>> MRB-C3 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	DRM160	-	DRM80(50)
MRB-C-200	DRM200	DRM160	DRM130	-	DRM80(50)
MRB-C-160	DRM160	DRM130	DRM80	-	DRM80(50)
MRB-C-130	DRM130	DRM80	DRM60	-	DRM80(50)
MRB-C-115	DRM115	DRM80	DRM60	-	DRM80(50)

>> MRB-C4 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	DRM160	DRM-R	DRM80(50)
MRB-C-200	DRM200	DRM160	DRM130	DRM-R	DRM80(50)
MRB-C-160	DRM160	DRM130	DRM80	DRM-R	DRM80(50)
MRB-C-130	DRM130	DRM80	DRM60	DRM-R	DRM80(50)
MRB-C-115	DRM115	DRM80	DRM60	DRM-R	DRM80(50)

>> MRB-C5 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	DRM160	-	-
MRB-C-200	DRM200	DRM160	DRM130	-	-
MRB-C-160	DRM160	DRM130	DRM80	-	-
MRB-C-130	DRM130	DRM80	DRM60	-	-
MRB-C-115	DRM115	DRM80	DRM60	-	-

>> MRB-C6 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-C-250	DRM250	DRM200	DRM160	DRM-R	-
MRB-C-200	DRM200	DRM160	DRM130	DRM-R	-
MRB-C-160	DRM160	DRM130	DRM80	DRM-R	-
MRB-C-130	DRM130	DRM80	DRM60	DRM-R	-
MRB-C-115	DRM115	DRM80	DRM60	DRM-R	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
		1				
		1				
		1				
		1				
		1				

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
		1	1			
		1	1			
		1	1			
		1	1			
		1	1			
		1	1			

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1		1	1			
1		1	1			
1		1	1			
1		1	1			
1		1	1			

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1		1	1			
1		1	1			
1		1	1			
1		1	1			
1		1	1			

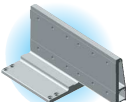



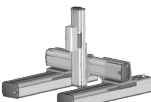


>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1		1				
1		1				
1		1				
1		1				
1		1				

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1						
1						
1						
1						
1						

Assorted combination types and Brackets

Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-D	 MRB-D1	 MRB-D2	 MRB-D3	 MRB-D4
		 MRB-D5	 MRB-D6	

>> MRB-D1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	-	-	-
MRB-D-200	DRM200	DRM160	-	-	-
MRB-D-160	DRM160	DRM130	-	-	-
MRB-D-130	DRM130	DRM80	-	-	-
MRB-D-115	DRM115	DRM80	-	-	-
MRB-D-80	DRM80	DRM60	-	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
			1			
			1			
			1			
			1			
			1			
			1			

>> MRB-D2 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	-	-	DRM80(50)
MRB-D-200	DRM200	DRM160	-	-	DRM80(50)
MRB-D-160	DRM160	DRM130	-	-	DRM80(50)
MRB-D-130	DRM130	DRM80	-	-	DRM80(50)
MRB-D-115	DRM115	DRM80	-	-	DRM80(50)
MRB-D-80	DRM80	DRM60	-	-	DRM80(50)

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
		1	1			
		1	1			
		1	1			
		1	1			
		1	1			
		1	1			

>> MRB-D3 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	DRM160	-	DRM80(50)
MRB-D-200	DRM200	DRM160	DRM130	-	DRM80(50)
MRB-D-160	DRM160	DRM130	DRM80	-	DRM80(50)
MRB-D-130	DRM130	DRM80	DRM60	-	DRM80(50)
MRB-D-115	DRM115	DRM80	DRM60	-	DRM80(50)

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1		1	1			
1		1	1			
1		1	1			
1		1	1			
1		1	1			

>> MRB-D4 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	DRM160	DRM-R	DRM80(50)
MRB-D-200	DRM200	DRM160	DRM130	DRM-R	DRM80(50)
MRB-D-160	DRM160	DRM130	DRM80	DRM-R	DRM80(50)
MRB-D-130	DRM130	DRM80	DRM60	DRM-R	DRM80(50)
MRB-D-115	DRM115	DRM80	DRM60	DRM-R	DRM80(50)

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1			1	1		
1			1	1		
1			1	1		
1			1	1		
1			1	1		

>> MRB-D5 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	DRM160	-	-
MRB-D-200	DRM200	DRM160	DRM130	-	-
MRB-D-160	DRM160	DRM130	DRM80	-	-
MRB-D-130	DRM130	DRM80	DRM60	-	-
MRB-D-115	DRM115	DRM80	DRM60	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1			1			
1			1			
1			1			
1			1			
1			1			


>> MRB-D6 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-D-250	DRM250	DRM200	DRM160	DRM-R	-
MRB-D-200	DRM200	DRM160	DRM130	DRM-R	-
MRB-D-160	DRM160	DRM130	DRM80	DRM-R	-
MRB-D-130	DRM130	DRM80	DRM60	DRM-R	-
MRB-D-115	DRM115	DRM80	DRM60	DRM-R	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
1			1			
1			1			
1			1			
1			1			
1			1			

Assorted combination types and Brackets




Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-G	 MRB-G1			

>> MRB-G1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-G-250	-	DRM250	DRM200	-	-
MRB-G-200	-	DRM200	DRM160	-	-
MRB-G-160	-	DRM160	DRM130	-	-
MRB-G-130	-	DRM130	DRM80	-	-
MRB-G-115	-	DRM115	DRM80	-	-
MRB-G-80	-	DRM80	DRM60	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
				1		
				1		
				1		
				1		
				1		
				1		

Model	2 Axes	3 Axes	4 Axes	5 Axes
 MRB-T	 MRB-T1	 MRB-T2		

>> MRB-T1 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-T-250	DRM250	-	DRM200		-
MRB-T-200	DRM200	-	DRM160		-
MRB-T-160	DRM160	-	DRM130		-
MRB-T-130	DRM130	-	DRM80		-
MRB-T-115	DRM115	-	DRM80		-
MRB-T-80	DRM80	-	DRM60		-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
						1
						1
						1
						1
						1
						1

>> MRB-T2 Basic combination

BRACKET	X	Y	Z	R	Guide
MRB-T-250	DRM250	DRM160	DRM200	-	-
MRB-T-200	DRM200	DRM130	DRM160	-	-
MRB-T-160	DRM160	DRM80	DRM130	-	-
MRB-T-130	DRM130	DRM60	DRM80	-	-

>> Applied brackets

MRB-A	MRB-B	MRB-C	MRB-D	MRB-G	MRB-L	MRB-T
					1	1
					1	1
					1	1
					1	1