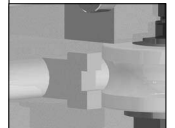
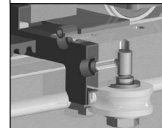
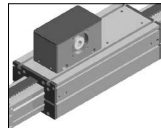
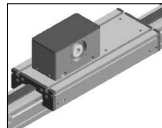
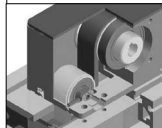
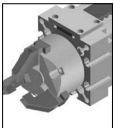
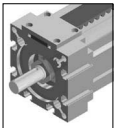
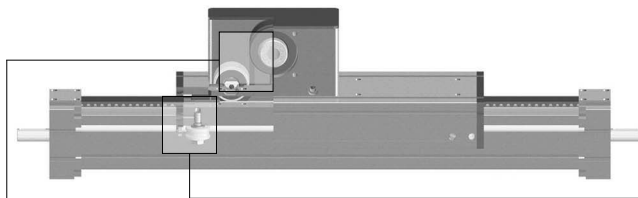


MS series



Rotating axis can be equipped on empty rail, so combination of moving and rotation is possible without additional parts.

- Better for longer axis with a pulley box on block
- Suitable for fixing block and moving rail

MS 40/60/80/100
Standard slider block

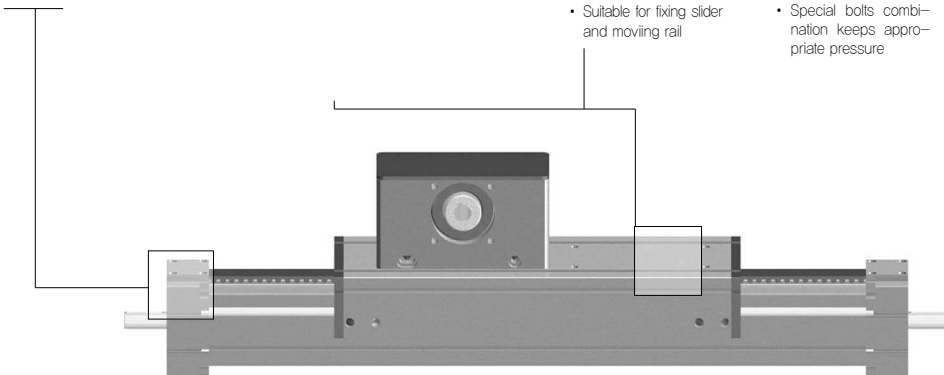
- Various length of slider based on customer's needs are available

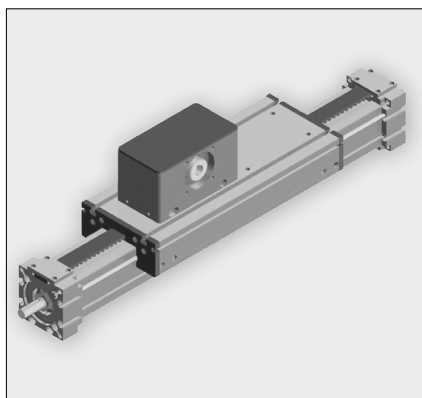
MS 40/60/80/100-D (customized)

- Sliders on the top and bottom
- More suitable for heavy payload
- Suitable for fixing slider and moving rail

- Silent operation with high quality bearing steel shaft
- Preventing abrasion with chrome plated bearing steel
- Special bolts combination keeps appropriate pressure

- Felt wiper prevents stiffening after long time of operation
- Spring inside of seal keeps certain level of frictional resistance

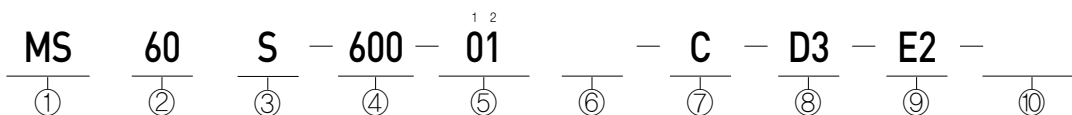




Features

- Track roller guide & belt type unit
- Belt type module with rack and pinion shape
- Various axis combination
- High tensile timing belt
- Customized options
- Easy maintenance

How to order



① Series

② Model

40 / 60 / 80 / 100

③ Slider option

S : Standard(4 roller bearings)

T : S + 2 additional bearings

H : S + 4 additional bearings

※ Please contact us for additional quantity of slider

④ Stroke (Unit : mm)

40 : 50 ~ 3500

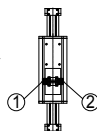
60 / 80 / 100 : 50 ~ 5500

※ Please contact us for longer stroke than standard

⑤ Pulley type

Pulley direction	TYPE	MODEL		
		40	60	80 / 100
0100		●	●	●
1100		●	●	●
0200		●	●	●
2200		●	●	●
1200		●	●	●

※ Please contact us for customized pulley type



⑥ Color

Blank : White (outer)

B : Black (outer)

⑦ Sensor (dog included)

Blank : None

C : Photo sensor + Basic socket – Basic 3EA

CJ : C + Cable socket2M – Basic 3EA

Other than basic : C(J)(Qty) Example)C2,CJ2

⑧ Mounting bracket

Blank : None

D(Qty) : Necessary quantity. Example)D2,D3

⑨ Bracket of reducer (including coupling)

Blank : None

SYMBOL	SIZE	MODEL		
		40	60	80 / 100
E1	42	●	●	●
E2	62	●	●	●
E3	90		●	●
E4	120			●

Basic option : ATG, APLUS, SESAME

⑩ Customized code

Sensor

Model	Item number	Sensor and connector
40	SX671-PL	 EE-SX671 + EE1001
60		
80		
100	SX671-L-PL	 EE-SX671 + EE1006
40		
60		
80		
100		

Sensor dog

Model	Item number	Remarks
40	PDG-M40-PL	EE-SX671 only
60	PDG-M60-PL	
80	PDG-M80-PL	
100	PDG-M100-PL	

Sensor bracket

Model	Photo sensor for single	Photo sensor for double
40	PSBS-40-PL	PSBD-40-PL
60	PSBS-60-PL	PSBD-60-PL
80	PSBS-80-PL	PSBD-80-PL
100	PSBS-100-PL	PSBD-100-PL

Mounting bracket

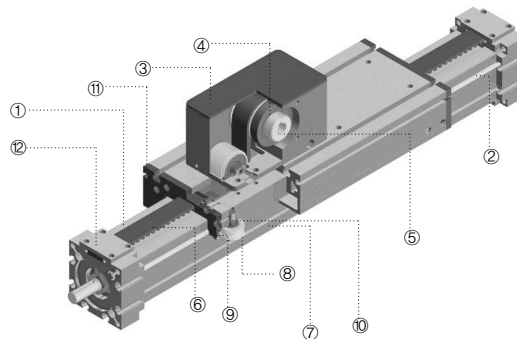
Model	Item number	Remarks
40	MBK40-PL	
60	MBK60-PL	
80	MBK80-PL	
100	MBK100-PL	

MS specifications

Specification	MB40	MB60	MB80	MB100
Max speed (mm/s)	2000	2000	2000	2000
Payload (kgf)	16 (horizontal)	35 (horizontal)	35 (horizontal)	60 (horizontal)
Stroke (mm)	Max. 3500	Max. 5500	Max. 5500	Max. 5500
Repeatability (mm)	± 0.05	± 0.05	± 0.05	± 0.05
Diameter of pulley (mm)	Ø 31.83	Ø 41.38	Ø 61.12	Ø 81.49
Pulley action perimeter (mm/rev)	100	130	192	256
No load torque (Nm)	0.3	0.6	0.9	1.4
Belt	RPP5 / W15	RPP5 / W25	RPP8 / W30	RPP8 / W50
Track roller guide	S:4 roller bearing standard T:S type + 4 roller bearing			
Basic weight (kgf)	3.4	7.8	16.9	41.0
Weight per 100mm stroke (kgf)	0.3	0.5	0.8	1.4
Motor (W)	200	400	750	750
Size (mm, W x H)	40 x 64	60 x 90	80 x 121	100 x 155

Note) Customized options such as motor, raydent and LM guide are available.

MS structure



► Components list

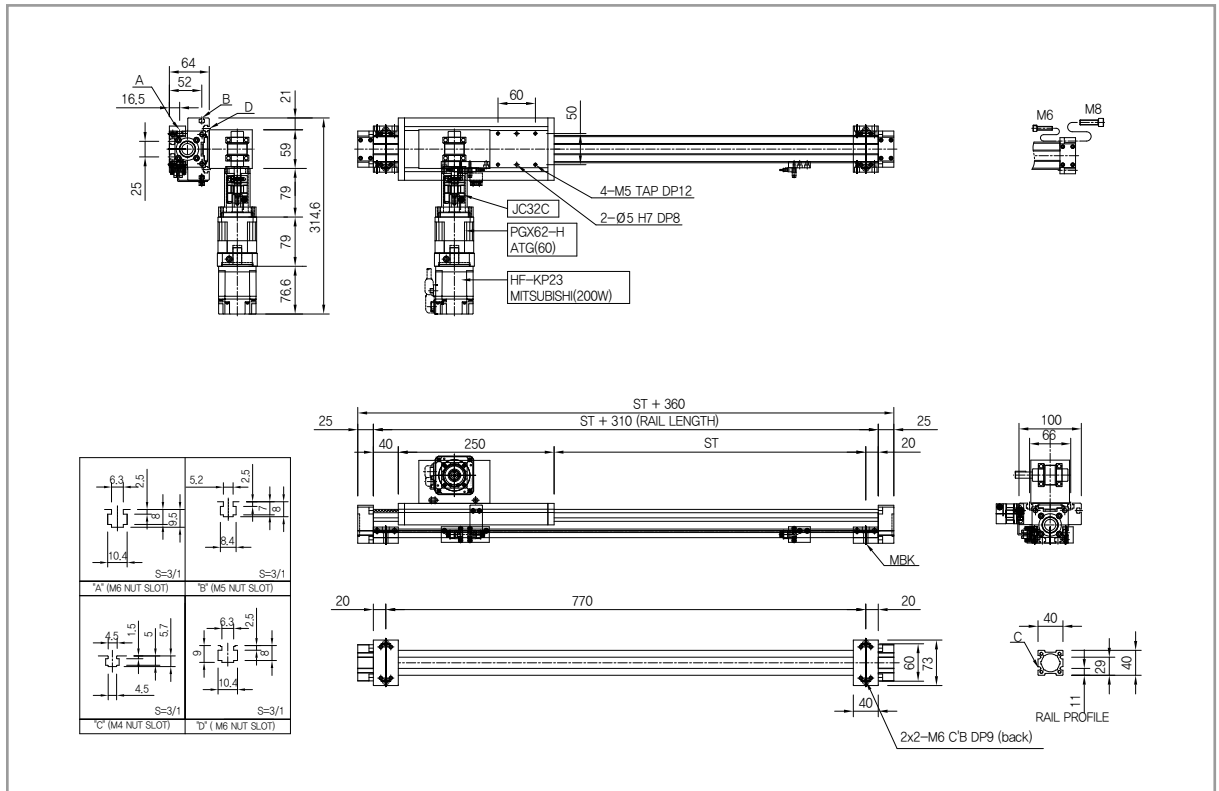
No	Component name		Material	No	Component name	Material
1	Rail		Aluminum alloy	7	Slide block	Aluminum alloy
2	Model	Shaft	Bearing steel	8	Track roller	Bearing steel
	40	Ø6				
	60	Ø10				
	80	Ø12				
	100	Ø16				
3	Pulley box		Aluminum alloy	9	Washer	-
4	Bearing		-	10	Wiper	FELT
5	Timing pulley		High carbon steel	11	Sealing	EP
6	Timing belt		Urethane	12	Belt clip	Carbon steel

MS 40

Basic specifications

Model	Stroke (mm)	Gear Ratio	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal(0.3G)	Horizontal(0.5G)
MS40	50~3500	10	500	200	30	25
		5	1000		22	20

MS40



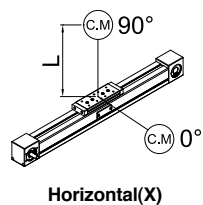
- Please contact us to change sensor or motor options.
- Customized tap or pin pitch on the bottom is available.

Weight & speed for each stroke

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	Gear ratio	Motor (W)
Weight(kg)	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	10.0	10.6	11.2	11.8	12.4		
Max. Speed (mm/s)	500																10	5
																	5	

Note) The weight of motor and reducer is not included.

Allowable overhang distance

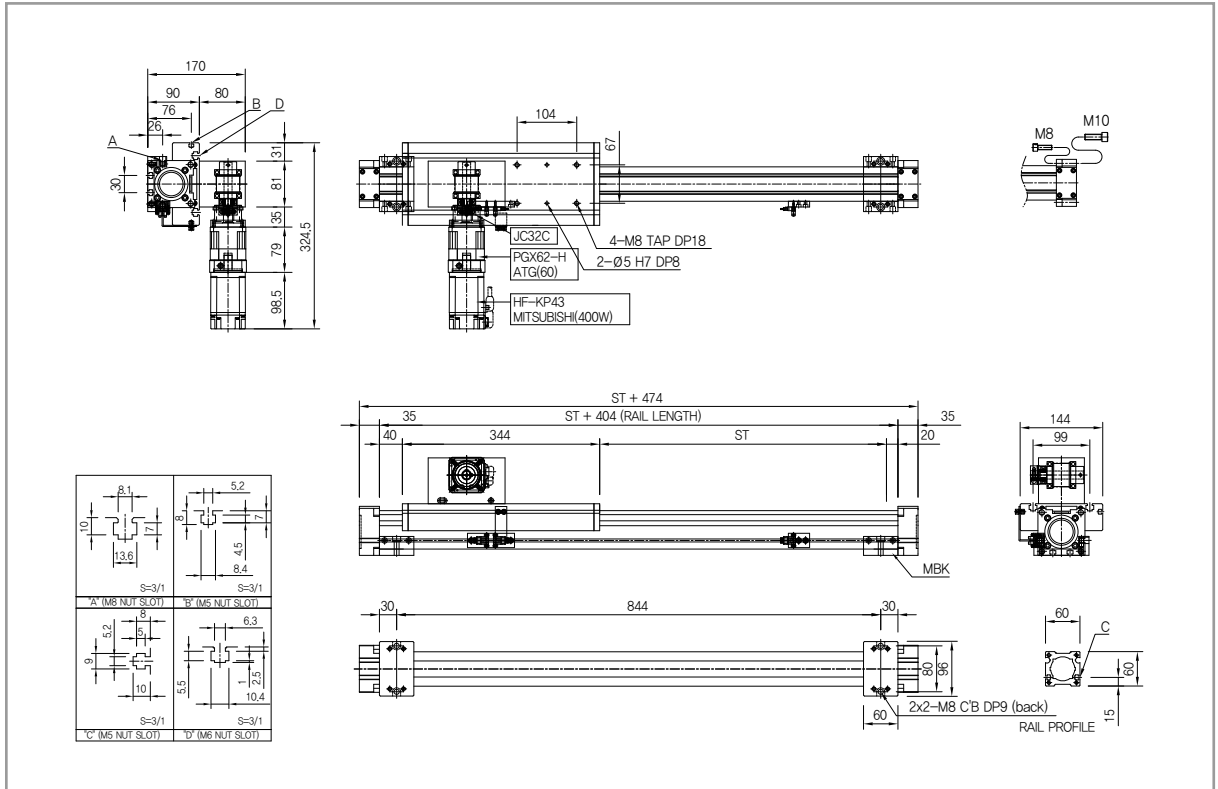


Gear Ratio	Payload	0°		90°	
		25 mm	400 mm	70 mm	800 mm
10	16 kg	25 mm	400 mm	70 mm	800 mm
	8kg	65 mm	300 mm	150 mm	600 mm
5	8kg	65 mm	300 mm	150 mm	600 mm
	4 kg	150 mm	600 mm		

Basic specifications

Model	Stroke (mm)	Gear Ratio	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal(0.3G)	Horizontal(0.5G)
MS60	50~5500	10	650	400	55	50
		5	1300		45	40

MS60



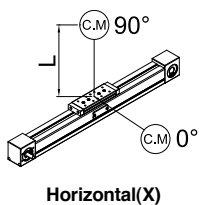
- Please contact us to change sensor or motor options.
- Customized tap or pin pitch on the bottom is available.

Weight & speed for each stroke

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	Gear ratio	Motor (W)
Weight(kg)	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.8	19.8	20.8	21.8	22.8		
Max. Speed (mm/s)	650																10	400
	1300																5	

Note) The weight of motor and reducer is not included.

Allowable overhang distance



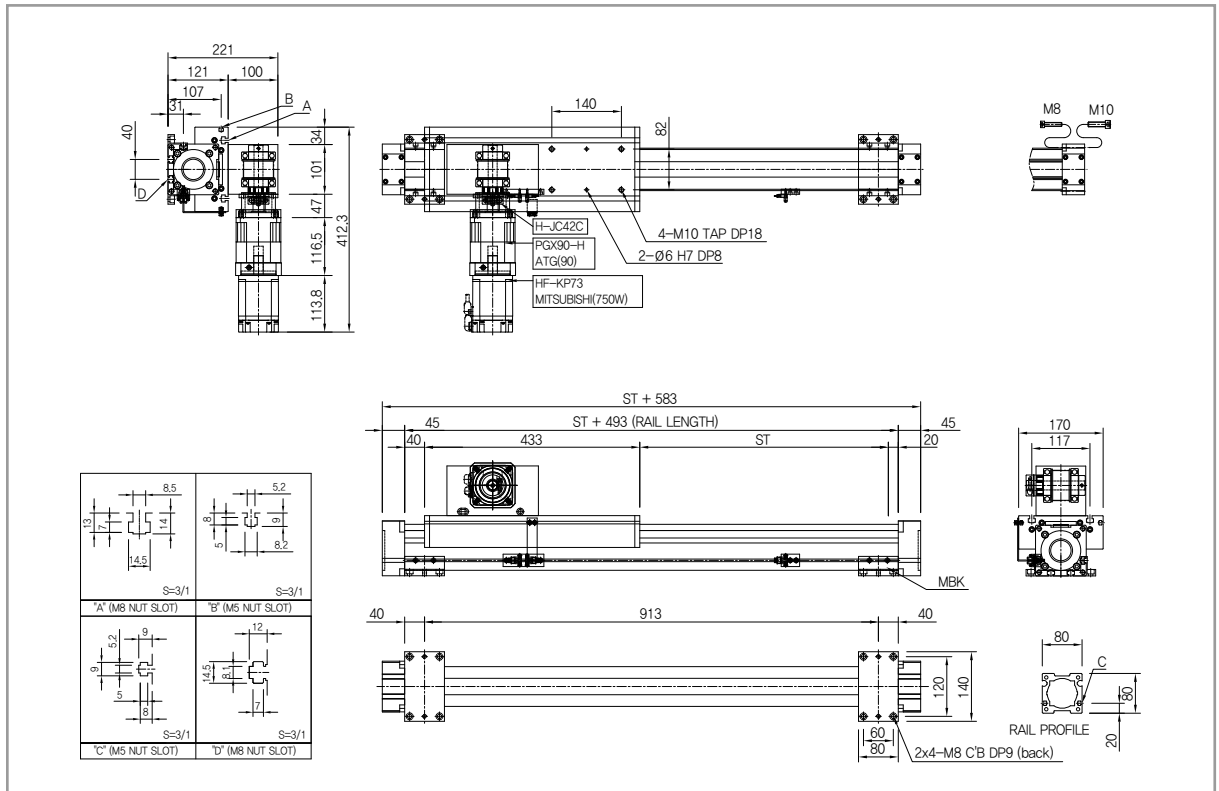
Gear Ratio	Payload	0°		90°	
		30 mm	100 mm	90 mm	400 mm
10	34 kg	30 mm	100 mm	90 mm	400 mm
	17 kg	70 mm	400 mm	90 mm	400 mm
5	20 kg	70 mm	400 mm	170 mm	800 mm
	10 kg	170 mm	800 mm	170 mm	800 mm

MS 80

Basic specifications

Model	Stroke (mm)	Gear Ratio	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal(0.3G)	Horizontal(0.5G)
MS80	50~5500	20	480	750	35	30
		10	960		30	25
		5	1920		20	15

MS80



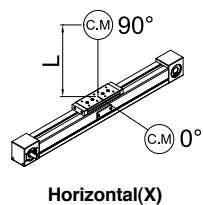
- Please contact us to change sensor or motor options.
- Customized tap or pin pitch on the bottom is available.

Weight & speed for each stroke

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500	3000	3500	4000	Gear ratio	Motor (W)	
Weight(kg)	24.9	25.7	26.5	27.3	28.1	28.9	29.7	30.5	31.3	32.1	32.9	36.9	40.9	44.9	48.9			20
Max. Speed (mm/s)																10		
																5		

Note) The weight of motor and reducer is not included.

Allowable overhang distance

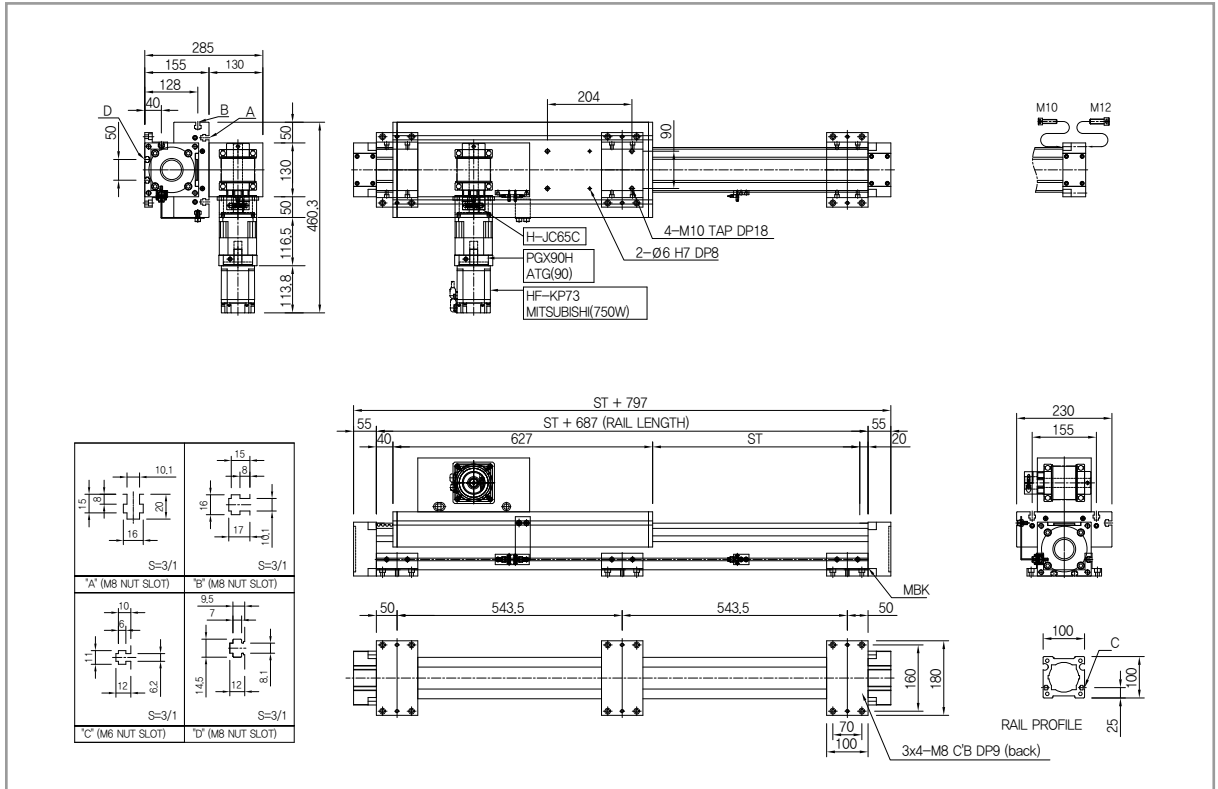


Gear Ratio	Payload	0°		90°	
		80 mm	200 mm	80 mm	400 mm
20	34 kg	80 mm	500 mm	80 mm	400 mm
	17 kg	200 mm	1000 mm	80 mm	400 mm
10	30 kg	80 mm	400 mm	80 mm	400 mm
	15 kg	180 mm	800 mm	80 mm	400 mm
5	20 kg	90 mm	400 mm	80 mm	400 mm
	10 kg	200 mm	800 mm	80 mm	400 mm

Basic specifications

Model	Stroke (mm)	Gear Ratio	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal(0.3G)	Horizontal(0.5G)
MS100	50~5500	20	640	750	80	70
		10	1280		60	55

MS100



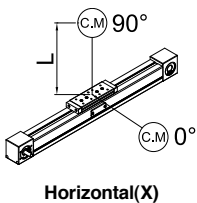
- Please contact us to change sensor or motor options.
- Customized tap or pin pitch on the bottom is available.

Weight & speed for each stroke

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500	3000	3500	4000	4500	5000	Gear ratio	Motor (W)
Weight(kg)	55.0	56.4	57.8	59.2	60.6	62.0	63.4	64.8	66.2	67.6	69.0	76.0	83.0	90.0	97.0	104.0	111.0	20	750
Max. Speed (mm/s)	640																		
	1280																	10	

Note) The weight of motor and reducer is not included.

Allowable overhang distance



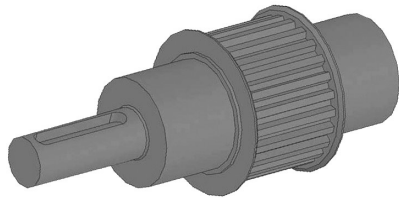
Gear Ratio	Payload	0°	90°
10	60 kg	100 mm	500 mm
	30 kg	200 mm	1000 mm
5	50 kg	90 mm	400 mm
	25 kg	200 mm	800 mm

MS PULLEY OPTION

PULLEY OPTION

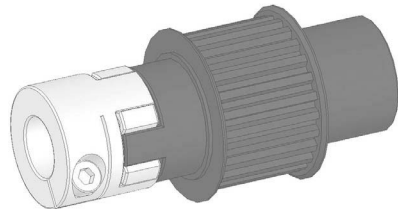
PSH Type

One body type pulley that having driving shaft



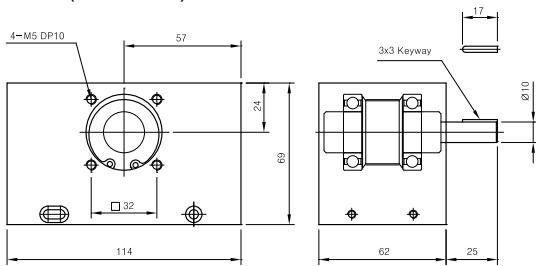
PCP Type

This type pulley is joined with Jaw-coupling directly and supplied with coupling.

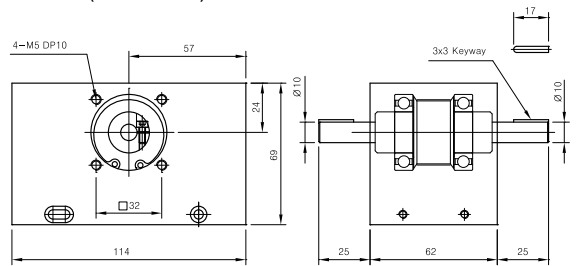


■ Pulley of MS40

PSH-S (MB40-18A)

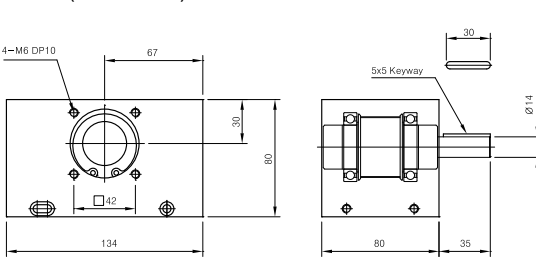


PSH-D (MB40-19A)

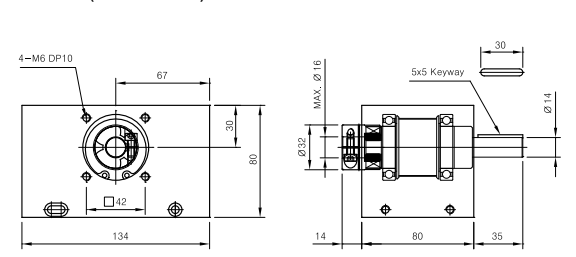


■ Pulley of MS60

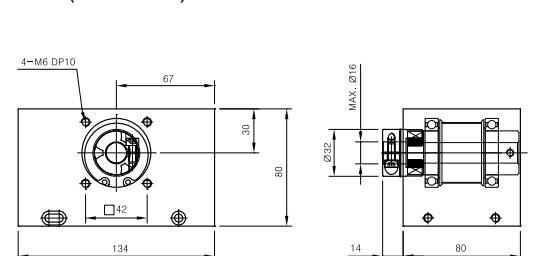
PSH-S (MB60-18A)



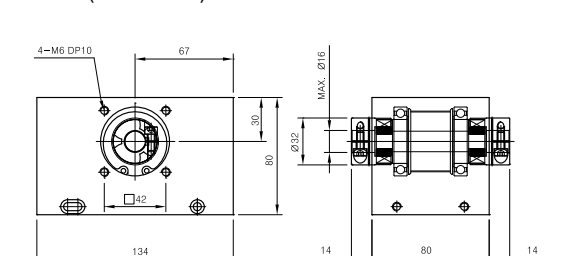
PSH-C (MB60-20A)



PCP-S (MB60-21A)

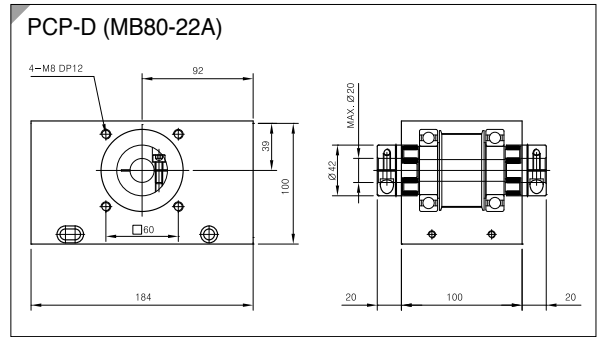
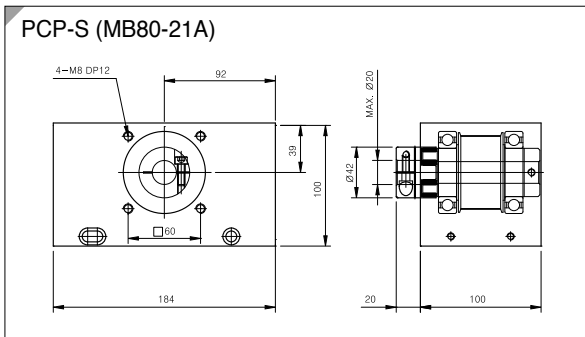
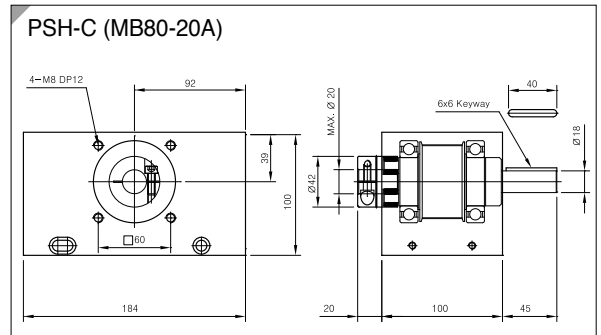
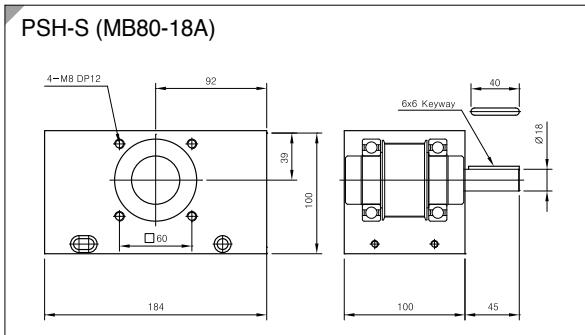


PCP-D (MB60-22A)



MS PULLEY OPTION

■ Pulley of MS80



■ Pulley of MS100

