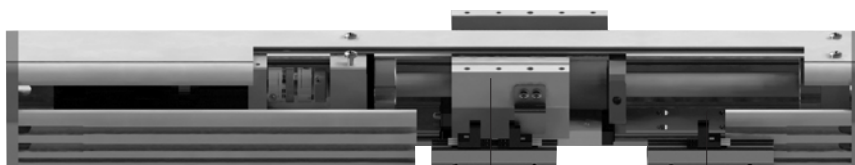


# TRS series



Motor cable lets you insert cable while motor is still mounted



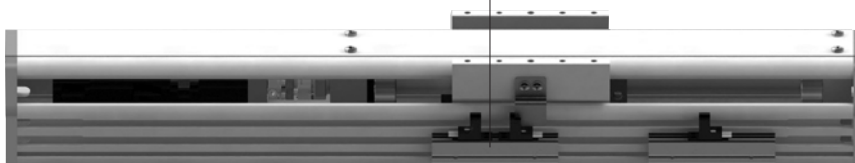
Implementation of sensor rail for extrusion made managing and sensing the stroke easier



All-in-one support unit implemented for crash protection and higher durability of coupling



Any shape of slider can be produced on your request

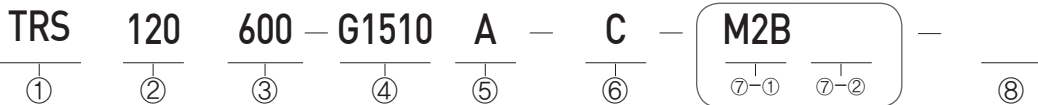




### Features

- LM Guide & Ball screw Type Unit
- Compact design and high rigidity
- Various axis combinations
- Customized options
- Easy maintenance

### How to order



#### ① Series

#### ② Model

50 / 60 / 80 / 100 / 120 / 150 / 180 / 210 / 260  
 ※ LM : Please contact us for customized pulley type.

#### ③ Stroke (Unit : mm)

Model	Ground(max.)	Rolled(max.)
50	-	840
60	740	830
80	940	1200
100	830	830
120	940	1300
150	920	1300
180	1200	1400
210	1160	1400
260	-	1400

※ Please contact us for longer stroke than standard.

#### ④ Ball Screw

Symbol	Ball Screw	Model									
		50	60	80	100	120	150	180	210	260	
L205	Rolled Ø12-5lead	●	●								
L120	Rolled Ø12-10lead	●	●								
L150	Rolled Ø15-10lead			●	●						
L150	Rolled Ø15-20lead			●	●	●	●	●	●		
L200	Rolled Ø20-10lead								●	●	
L200	Rolled Ø20-20lead								●	●	
L232	Rolled Ø32-32lead										●
G1510	Ground Ø15-10lead		●	●	●	●	●	●			
G1520	Ground Ø15-20lead		●	●	●	●	●	●			
G2010	Ground Ø20-10lead								●	●	
G2020	Ground Ø20-20lead								●	●	

※ Please contact us for customized pulley type.

#### ⑤ Color

Blank: white (outer)  
 L : white (outer) + LM raydent  
 S : white (outer) + ball screw raydent  
 A : white (outer) + LM / ball screw raydent  
 B : black (outer)  
 BL : black (outer) + LM raydent  
 BS : black (outer) + ball screw raydent  
 BA : black (outer) + LM / ball screw raydent  
 ※ Please contact us for delivery schedule for black ones.

#### ⑥ Sensor (dog included)

Blank: None  
 C : Photo sensor + Basic socket – Basic 3EA  
 CA : Auto switch – Basic 3EA  
 CJ : C + Cable socket 2M – Basic 3EA  
 Other than basic: C(J)(QTY) ex) C2, CJ2

#### ⑦ Motor 부착방법

무Symbol : 없음

#### ⑦-① Motor내장형(Coupling 포함)

Symbol	Motor	Model									
		50	60	80	100	120	150	180	210	260	
M1(B)	100W(B)	●	●								
M2(B)	200W(B)			●		●	●	●			
M3(B)	400W(B)								●	●	
M4(B)	750W(B)									●	●
M5(B)	1KW(B)										●

#### ⑦-② 병렬형 Motor브라켓

Symbol	Motor	Model								
		50	60	80	100	120	150	180	210	
PL1	100W	●	●							
PR1	100W	●	●							
PB1	100W	●	●							
PL2	200W/400W			●	●	●	●	●	●	
PR2	200W/400W			●	●	●	●	●	●	
PB2	200W/400W			●	●	●	●	●	●	
PL3	750W								●	●
PR3	750W								●	●
PB3	750W								●	●

Basic option: Mitsubishi, Yaskawa

※ In case of motor brake, 'B' added at the end  
 ex) M1B, M2B...

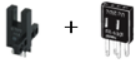


※ Please contact us for customization.

#### ⑧ Customized code

numbers granted for customized orders

※ Please contact us for accessories & components order.

### Sensor

Model	Item number	Sensor and connector
50 60 80 100 120 150 180 210 260	SX674-PL	 EE-SX674+EE1001
50 60 80 100 120 150 180 210 260	SX674-L-PL	 EE-SX674+EE1006
Common	MS-2003-TPC-NO-PL (LIMIT) MS-2003-TPC-NC-PL (HOME)	

### Sensor dog

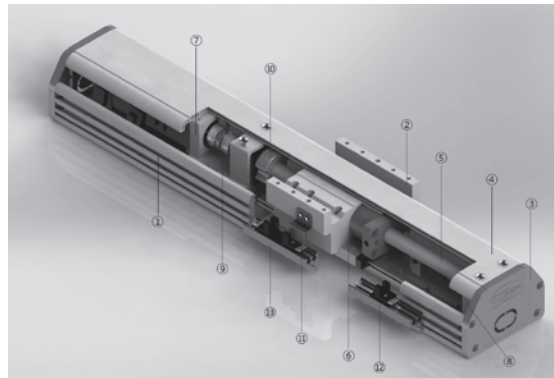
Model	Item Number	Remarks
50	PDG-L50-PL	EE-SX674
60	PDG-L60-PL	
80	PDG-L80-PL	
100	PDG-L100-PL	
150	PDG-L150-PL	
180	PDG-L180-PL	
210	PDG-L210-PL	
260	PDG-L260-PL	

TRS specifications

Specification	TRS 50	TRS 60	TRS 80	TRS 100	TRS 120	TRS 150	TRS 180	TRS 210	TRS 260
Max speed (mm/s)	500	500	1000	1000	1000	1000	1000	1000	660
Payload (kgf)	10 (Horizontal), 3 (Vertical)	15 (Horizontal), 5 (Vertical)	20 (Horizontal), 7 (Vertical)	25 (Horizontal), 10 (Vertical)	60 (Horizontal), 20 (Vertical)	80 (Horizontal), 20 (Vertical)	100 (Horizontal), 40 (Vertical)	130 (Horizontal), 60 (Vertical)	160 (Horizontal), 100 (Vertical)
Stroke (mm)	Rolled : Max. 840	Rolled : Max. 840 Ground : Max. 740	Rolled : Max. 830 Ground : Max. 1200	Rolled : Max. 830 Ground : Max. 830	Rolled : Max. 940 Ground : Max. 1300	Rolled : Max. 920 Ground : Max. 1300	Rolled : Max. 1200 Ground : Max. 1400	Rolled : Max. 1160 Ground : Max. 1400	Rolled : Max. 1400
Repeatability (mm)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
Ball screw / Lead (mm)	ø12 / L05 (L10)	ø12 / L05 (L10)	ø15 / L10 (L20)	ø15 / L10 (L20)	ø15 / L10 (L20)	ø15 / L10 (L20)	ø20 / L10 (L20)	ø20 / L10 (L20)	ø32 / L32
No lead torque (Nm)	0.6	0.7	1	1.4	2.2	2.4	2.8	3.2	4
LM guide	No.15(Mini) 1 Rail 2 Block	No.12(Mini) 1 Rail 2 Block	No.20 1 Rail 2 Block	No.15W(Mini) 1 Rail 2 Block	No.15 2 Rail 4 Block	No.20 2 Rail 4 Block	No.20 2 Rail 4 Block	No.25 2 Rail 4 Block	No.35 2 Rail 4 Block
Basic weight (kgf)	3.5	5.1	5.4	5.7	7	9.2	13.5	20.9	45.5
Weight per 100mm stroke (kgf)	0.4	0.5	0.7	0.8	0.9	1.2	1.6	2.2	3.8
Motor (W)	100	100	100~200	100~200	200~400	200~400	400~750	750	750~1KW
Size (mm, W x H)	55x65	66x64	85x85	100x72	122x85	148x88	185x98	215x118	275x140

Note: special order for customization is available. ( motor, raydent, LM guide, ball screw, etc. )

TRS structure



► Component list

No	Item	Material	No	Item	Material	
1	RAIL	Aluminum alloy	6	Model	LM GUIDE	
2	BLOCK	Aluminum alloy		50	No.15 / 1RAIL 2BLOCK	Bearing steel
3	END COVER	ABS		60	No.12 / 1RAIL 2BLOCK	
4	TOP COVER	Aluminum alloy		80	No.20 / 1RAIL 2BLOCK	
5	BALL SCREW	Cr-Mo강		100	No.15W / 1RAIL 2BLOCK	
7	FIX SUPPORT UNIT			120	No.15 / 2RAIL 4BLOCK	
8	FREE SUPPORT UNIT			150	No.20 / 2RAIL 4BLOCK	
9	COUPLING			180	No.20 / 2RAIL 4BLOCK	
10	STOPPER			210	No.25 / 2RAIL 4BLOCK	
11	Sensor DOG	SUS 304		260	No.30 / 2RAIL 4BLOCK	
12	Sensor			13	Sensor RAIL	

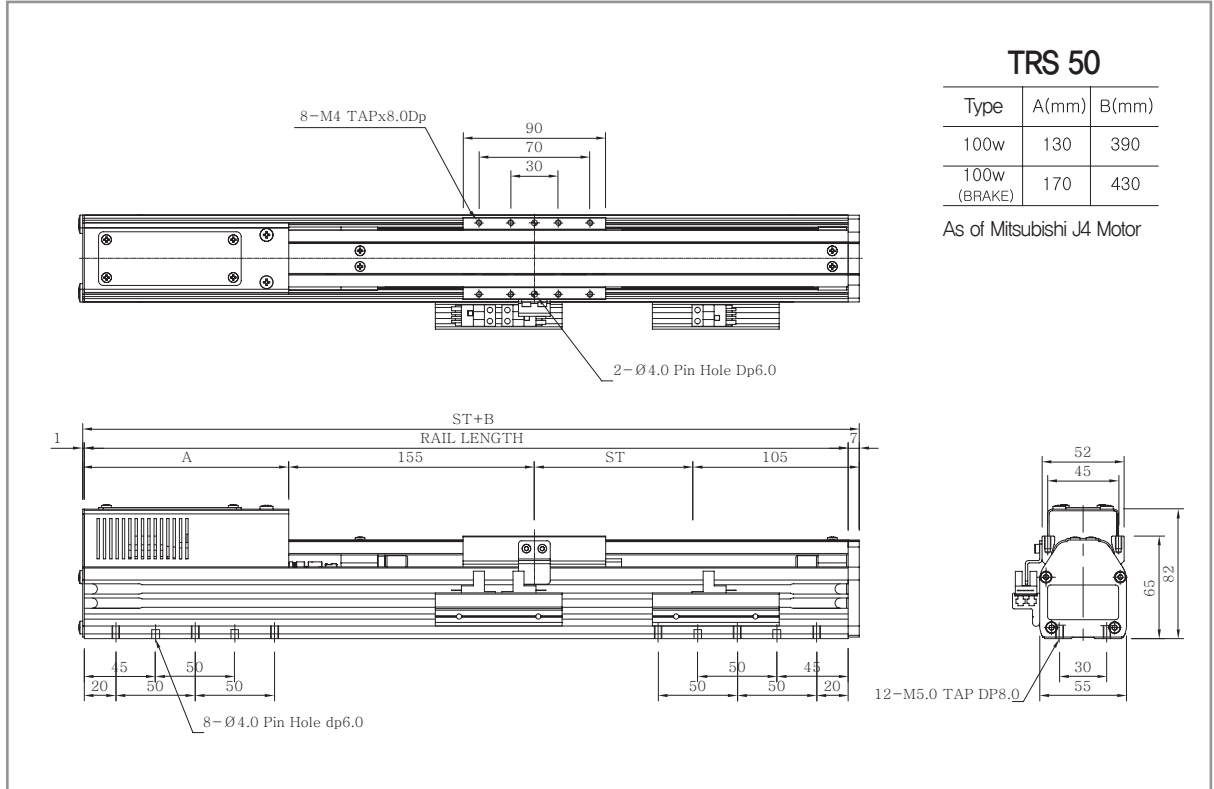
# TRS 50-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 50-M	50~840	5	250	100	30	17
		10	500		20	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 50-M Dimensions



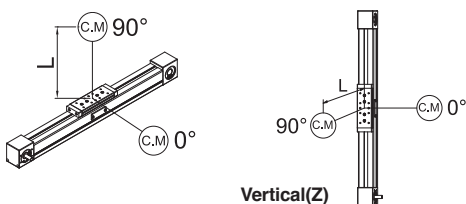
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3		
Max. Speed (mm/s)	250					190	150	110	10	100
	500					380	300	220		

## Allowable overhang distance



Direction		TRS 50-L05		TRS 50-L10	
		10kg	5kg	10kg	5kg
Horizontal (X)	0°	30mm	80mm	20mm	50mm
	90°	350mm	400mm	250mm	300mm
Vertical (Z)		6kg	3kg	6kg	3kg
	0°	60mm	100mm	50mm	80mm
	90°	70mm	100mm	50mm	80mm

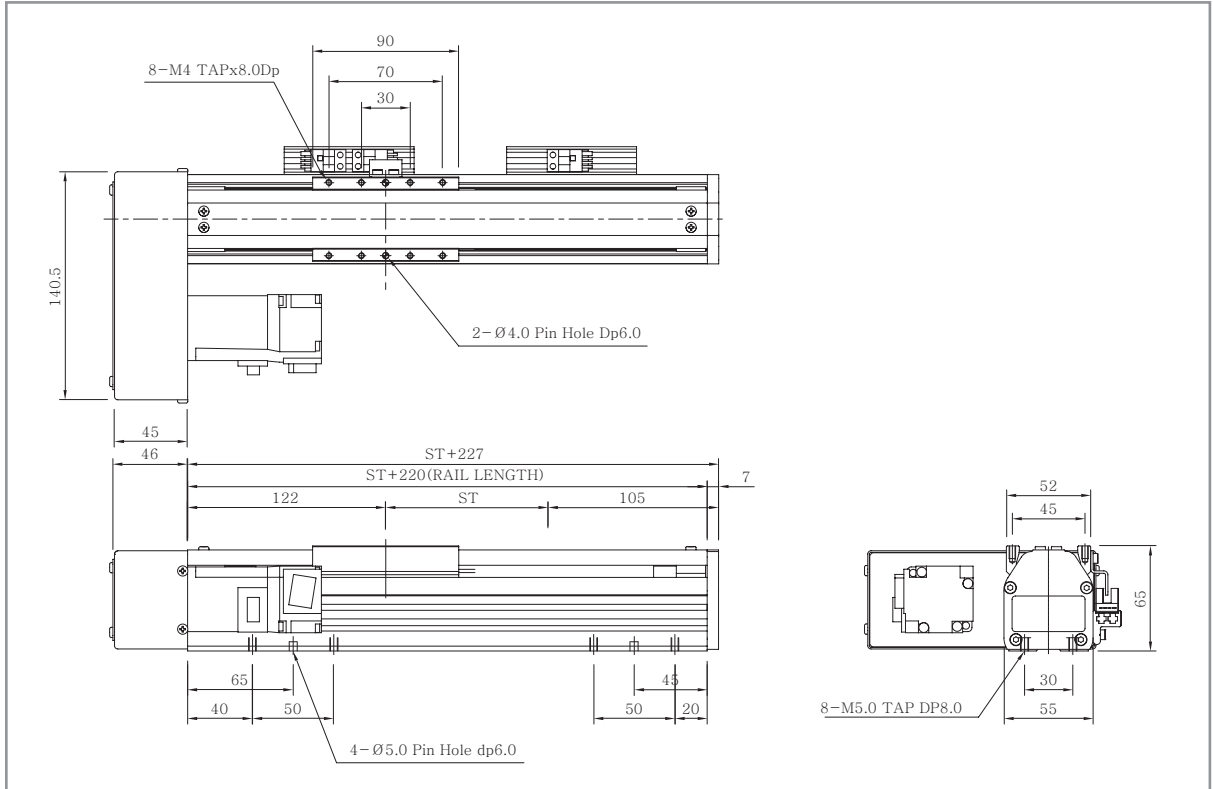
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 50-PR	50~840	5	250	100	30	17
		10	500		20	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 50-PR Dimensions



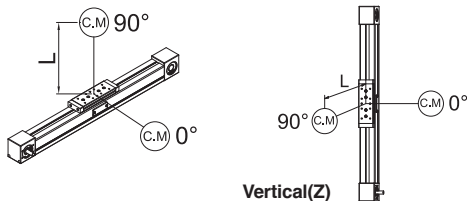
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3		
Max. Speed (mm/s)						190	150	110	5	100
						380	300	220	10	

Allowable overhang distance



Direction		TRS 50-L05		TRS 50-L10	
		10kg	5kg	10kg	5kg
Horizontal (X)	0°	30mm	80mm	20mm	50mm
	90°	350mm	400mm	250mm	300mm
Vertical (Z)	0°	6kg	3kg	6kg	3kg
	90°	60mm	100mm	50mm	80mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

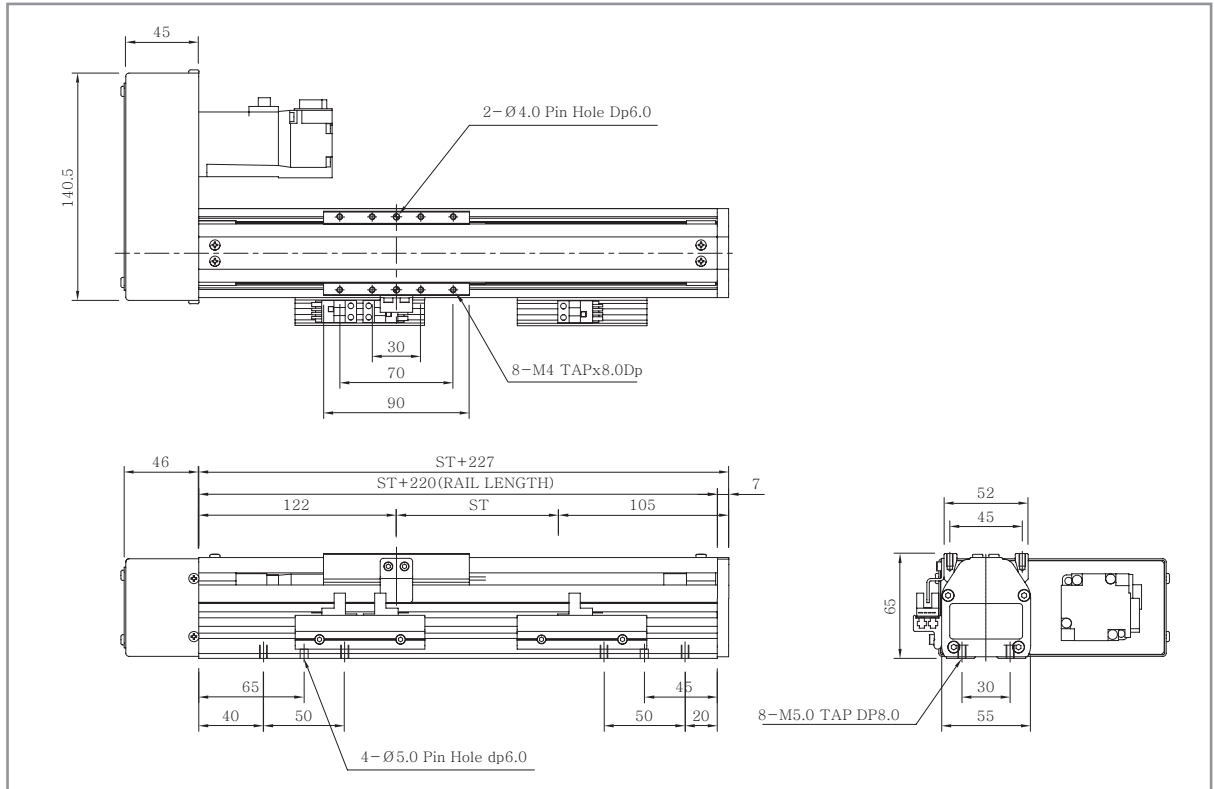
# TRS 50-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 50-PL	50~840	5	250	100	30	17
		10	500		20	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 50-PL Dimensions



- Please contact us for a change in sensor or motor options.

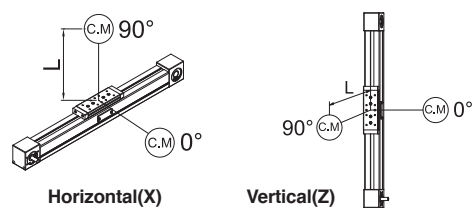
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3		
Max. Speed (mm/s)	250					190	150	110	10	
	500					380	300	220		

## Allowable overhang distance



Direction		TRS 50-L05		TRS 50-L10	
		10kg	5kg	10kg	5kg
Horizontal (X)	0°	30mm	80mm	20mm	50mm
	90°	350mm	400mm	250mm	300mm
Vertical (Z)		6kg	3kg	6kg	3kg
	0°	60mm	100mm	50mm	80mm
	90°	70mm	100mm	50mm	80mm

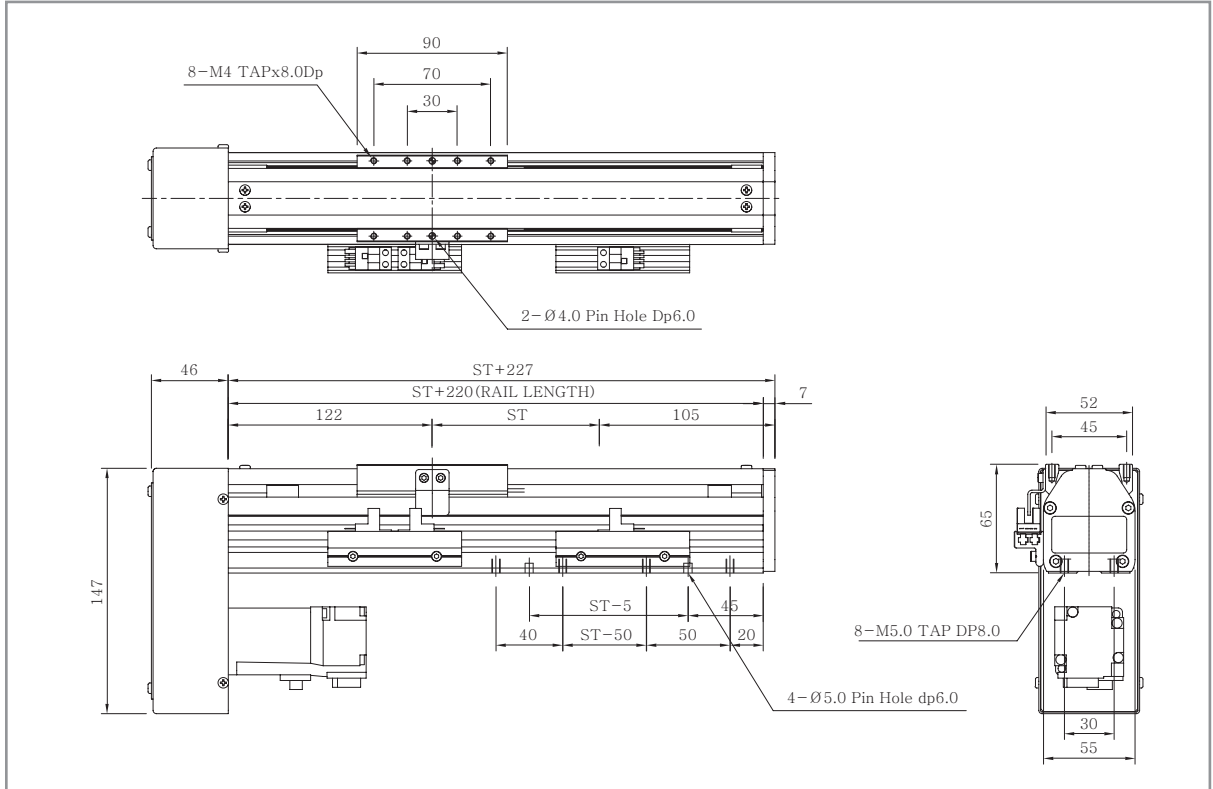
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 50-PB	50~840	5	250	100	30	17
		10	500		20	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 50-PB Dimensions



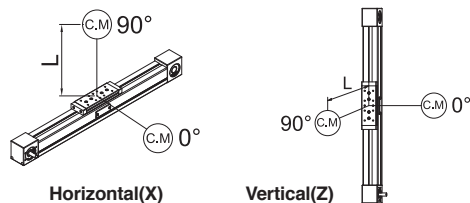
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3		
Max. Speed (mm/s)	250					190	150	110	10	100
	500					380	300	220		

Allowable overhang distance



Direction	TRS 50-L05		TRS 50-L10		
	10kg	5kg	10kg	5kg	
Horizontal (X)	0°	30mm	80mm	20mm	50mm
	90°	350mm	400mm	250mm	300mm
Vertical (Z)	0°	6kg	3kg	6kg	3kg
	90°	60mm	100mm	50mm	80mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

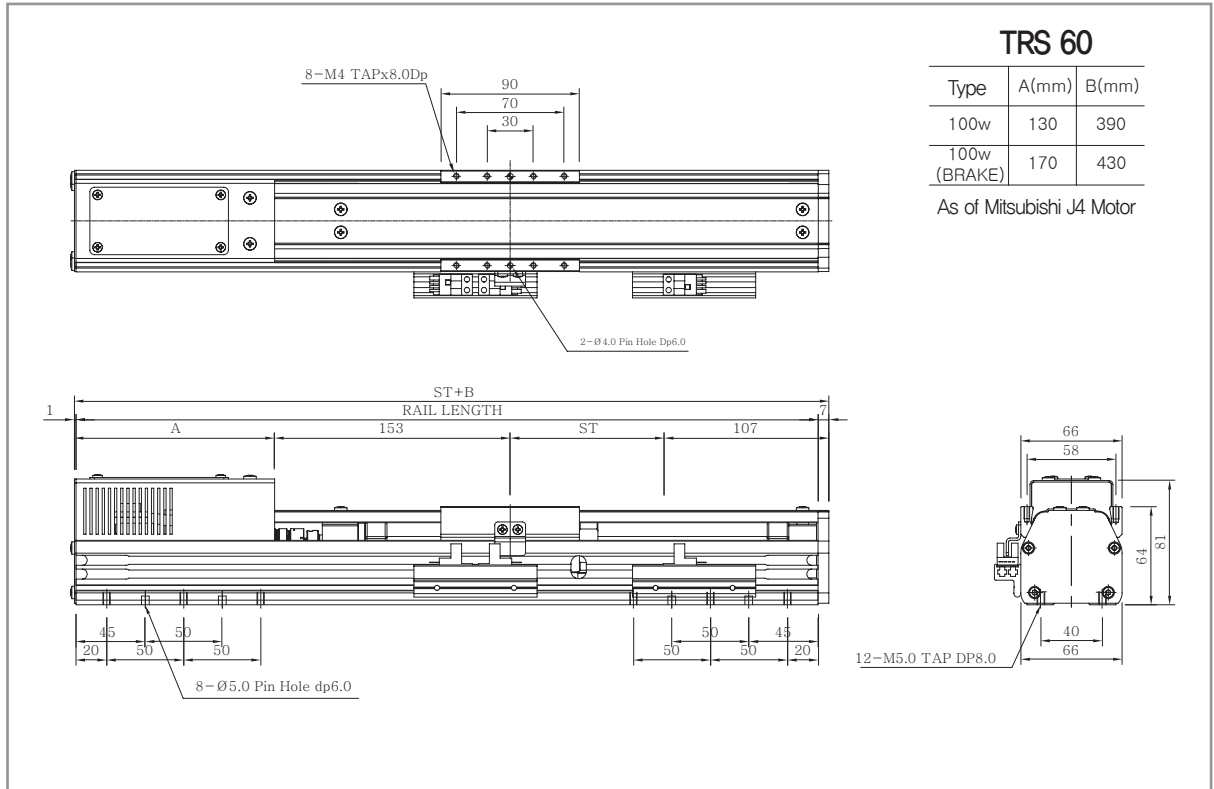
# TRS 60-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 60-M	50~830	5	250	100	35	17
		10	500		25	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 60-M Dimensions



- Please contact us for a change in sensor or motor options.

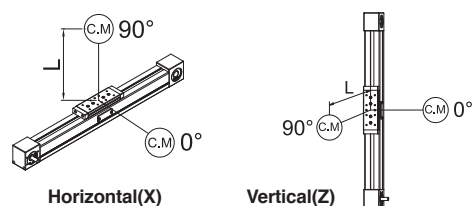
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6		
Max. Speed (mm/s)	250					190	150	110		
	500					380	300	220	10	

## Allowable overhang distance



Direction		TRS 60-L05		TRS 60-L10	
		Weight	Lead	Weight	Lead
Horizontal (X)	0°	13kg	8kg	13kg	8kg
	90°	30mm	60mm	20mm	50mm
Vertical (Z)	0°	350mm	400mm	300mm	350mm
	90°	10kg	5kg	10kg	5kg
	0°	70mm	120mm	70mm	100mm
	90°	80mm	120mm	70mm	100mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

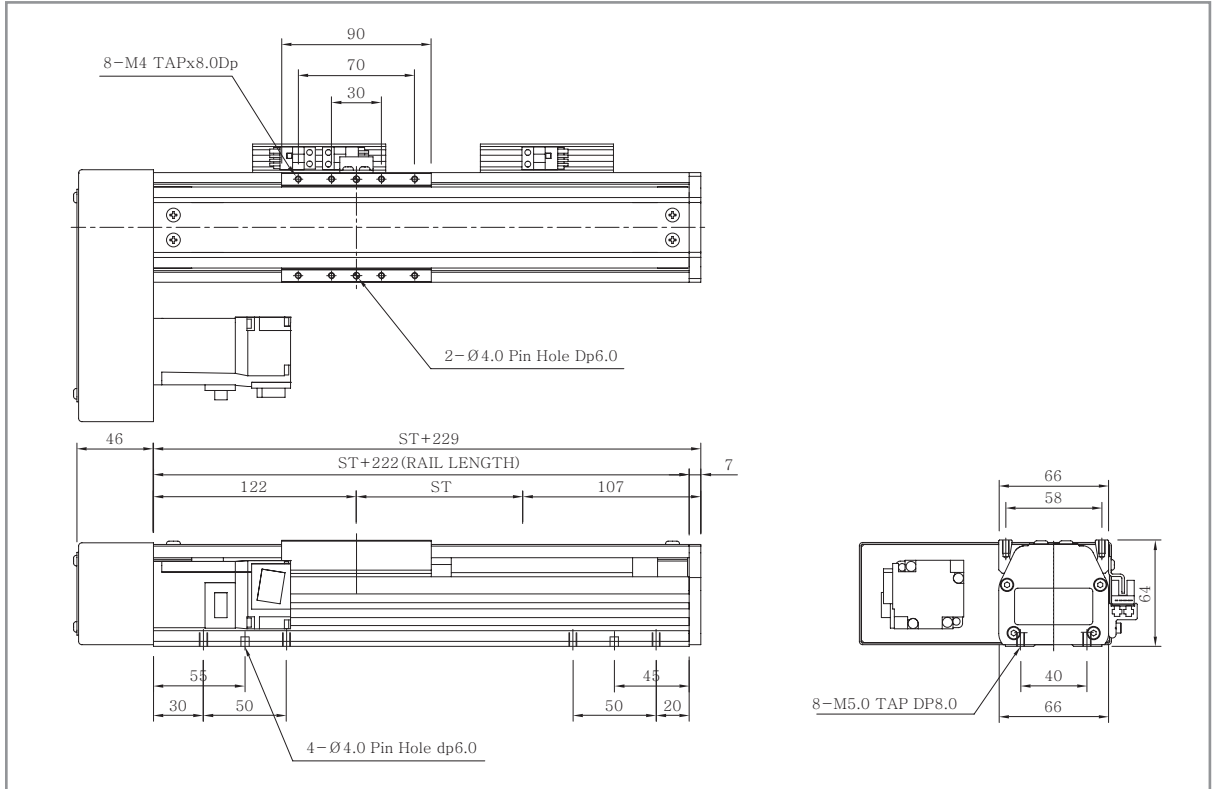


**Basic specifications**

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 60-PR	50~830	5	250	100	35	17
		10	500		25	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

**TRS 60-PR Dimensions**



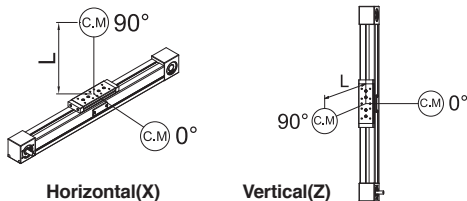
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

**Weight & speed for each stroke**

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6		
Max. Speed (mm/s)						190	150	110	5	100
						380	300	220	10	

**Allowable overhang distance**



Direction		TRS 60-L05		TRS 60-L10	
		13kg	8kg	13kg	8kg
Horizontal (X)	0°	30mm	60mm	20mm	50mm
	90°	350mm	400mm	300mm	350mm
Vertical (Z)		10kg	5kg	10kg	5kg
	0°	70mm	120mm	70mm	100mm
	90°	80mm	120mm	70mm	100mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

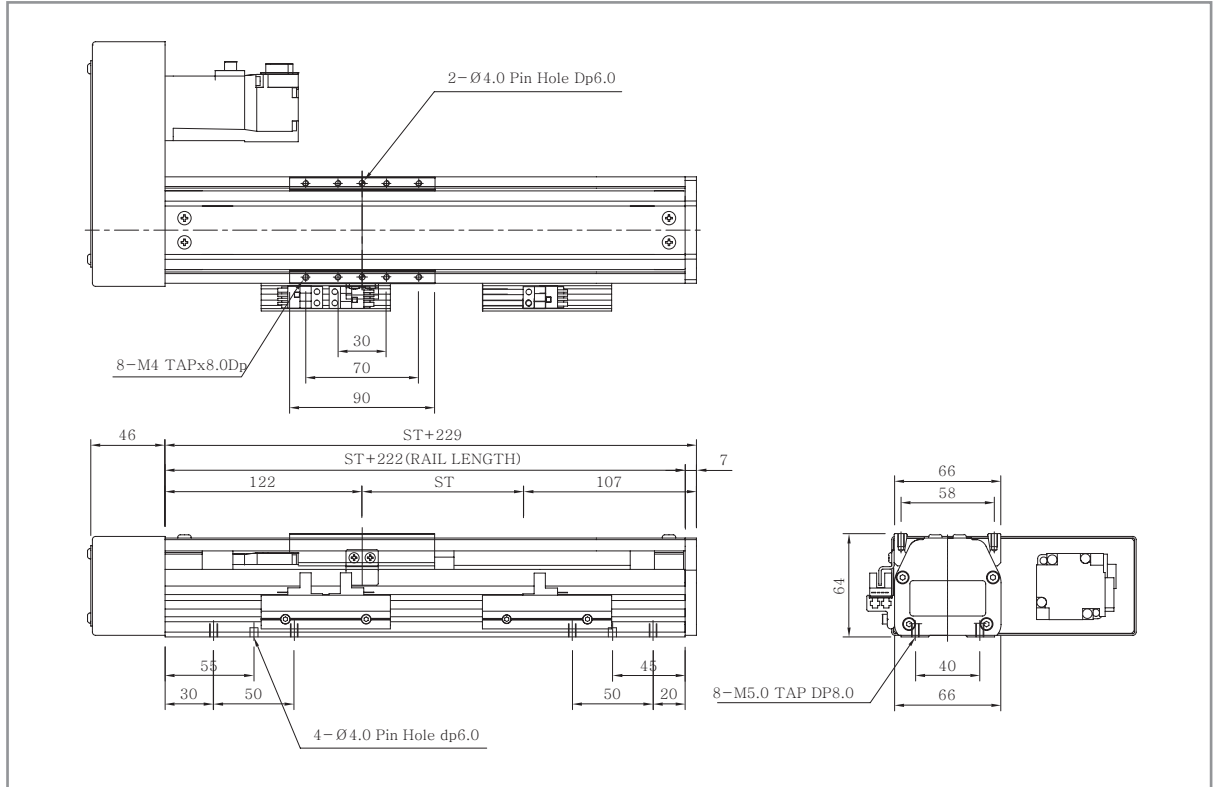
# TRS 60-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 60-PL	50~830	5	250	100	35	17
		10	500		25	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 60-PL Dimensions



- Please contact us for a change in sensor or motor options.

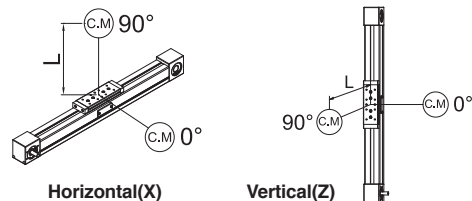
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6		
Max. Speed (mm/s)						190	150	110	10	
						380	300	220	5	

## Allowable overhang distance



Direction	TRS 60-L05		TRS 60-L10	
	Weight	Stroke	Weight	Stroke
Horizontal (X)	13kg	30mm	8kg	20mm
	13kg	350mm	8kg	350mm
Vertical (Z)	10kg	70mm	5kg	70mm
	10kg	80mm	5kg	100mm

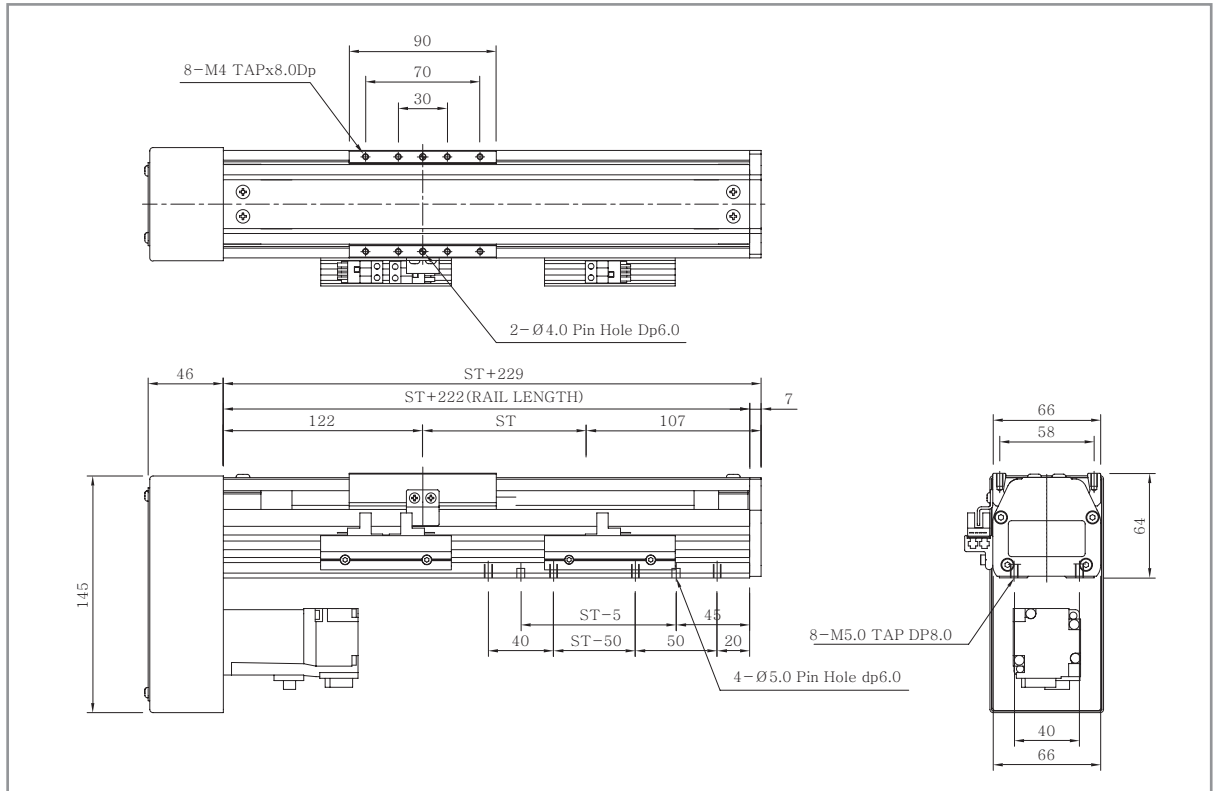
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

**Basic specifications**

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 60-PB	50~830	5	250	100	35	17
		10	500		25	8

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

**TRS 60-PB Dimensions**



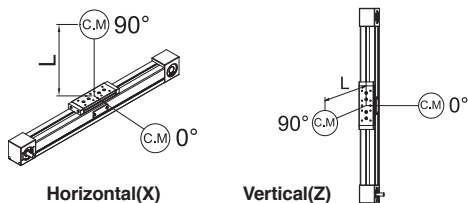
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

**Weight & speed for each stroke**

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)1	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6		
Max. Speed (mm/s)						190	150	110	5	100
						380	300	220	10	

**Allowable overhang distance**



Direction	TRS 60-L05		TRS 60-L10		
	13kg	8kg	13kg	8kg	
Horizontal (X)	0°	30mm	60mm	20mm	50mm
	90°	350mm	400mm	300mm	350mm
Vertical (Z)		10kg	5kg	10kg	5kg
	0°	70mm	120mm	70mm	100mm
	90°	80mm	120mm	70mm	100mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

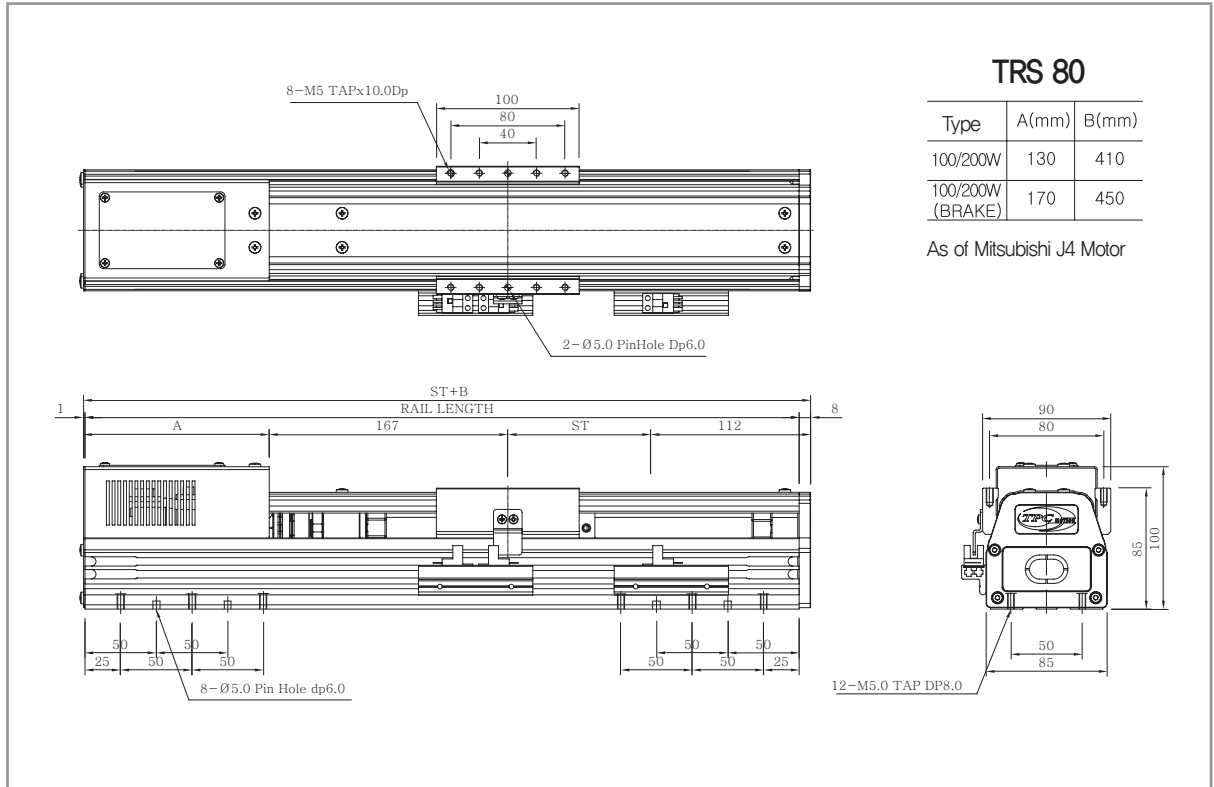
# TRS 80-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 80-M	50~940	10	500	100	35	6
		20	1000	200	20	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 80-M Dimensions



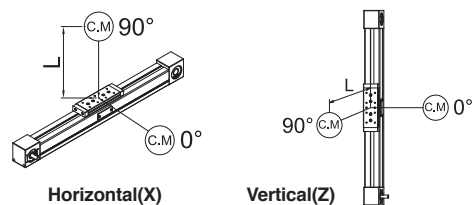
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.3	11	11.7		
Max. Speed (mm/s)	500						470	380	320	260	10	100 (200)
	1000						950	770	630	520	20	

## Allowable overhang distance



Direction	TRS 80-L10		TRS 80-L20	
	Weight	Lead	Weight	Lead
Horizontal (X)	15kg	10mm	24kg	12mm
	20mm	80mm	35mm	85mm
Vertical (Z)	130mm	330mm	100mm	250mm
	13kg	8kg	8kg	4kg
Vertical (Z)	70mm	130mm	155mm	335mm
	70mm	130mm	155mm	355mm

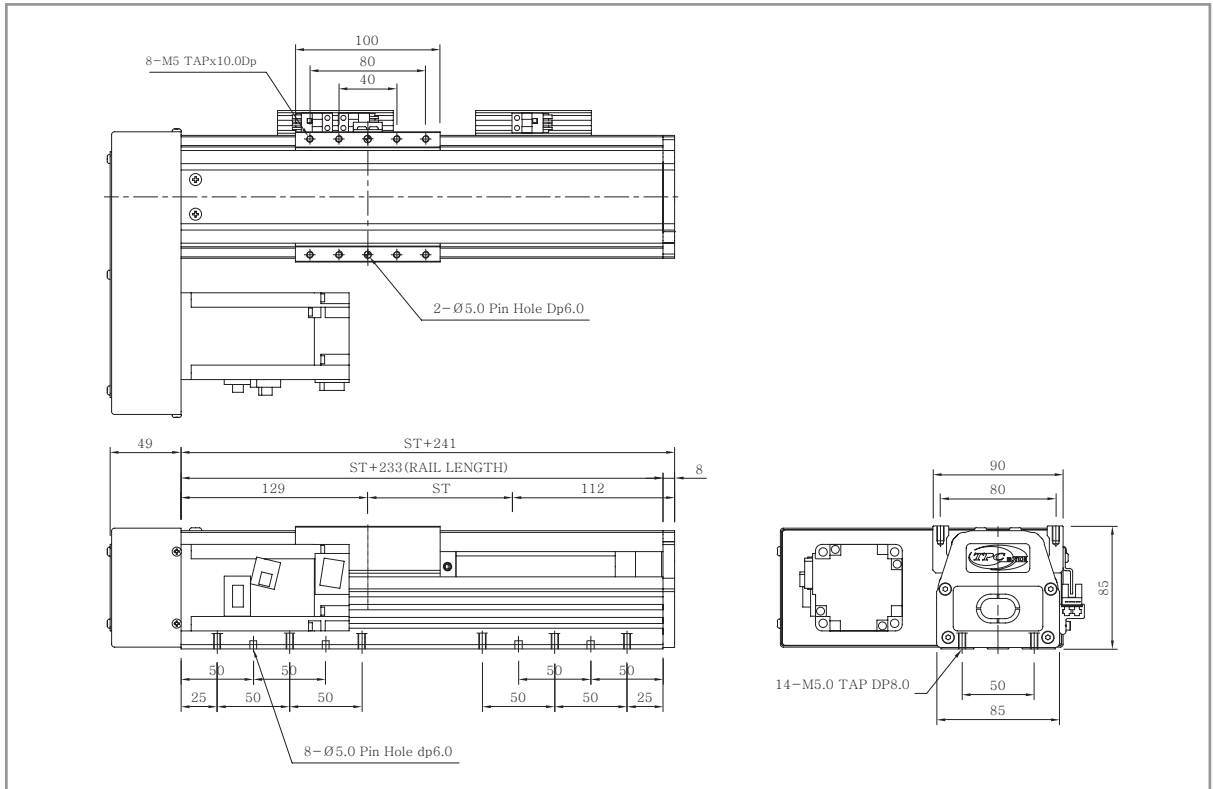
\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 80-PR	50~940	10	500	100	35	6
		20	1000	200	20	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 80-PR Dimensions



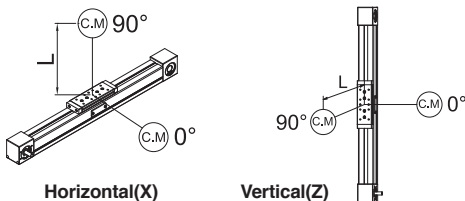
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.3	11	11.7		
Max. Speed (mm/s)	500						470	380	320	260	10	100 (200)
	1000						950	770	630	520	20	

Allowable overhang distance



Direction		TRS 80-L10		TRS 80-L20	
		15kg	10kg	24kg	12kg
Horizontal (X)	0°	20mm	80mm	35mm	85mm
	90°	130mm	330mm	100mm	250mm
Vertical (Z)		13kg	8kg	8kg	4kg
	0°	70mm	130mm	155mm	335mm
	90°	70mm	130mm	155mm	355mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

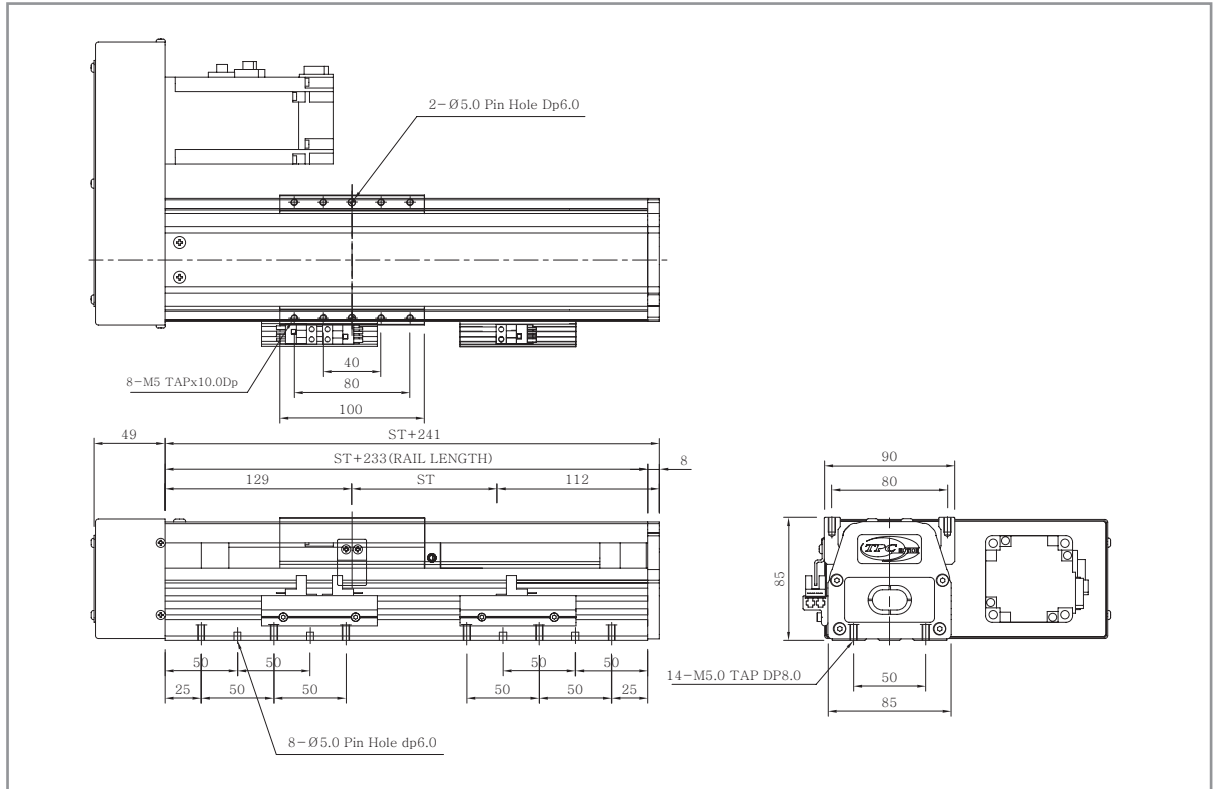
# TRS 80-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 80-PL	50~940	10	500	100	35	6
		20	1000	200	20	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 80-PL Dimensions



– Please contact us for a change in sensor or motor options.

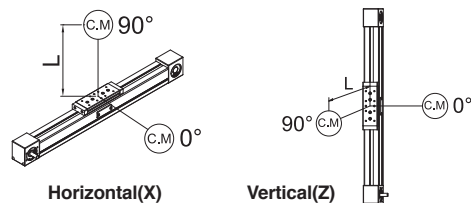
– Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.3	11	11.7		
Max. Speed (mm/s)	500						470	380	320	260	10	100 (200)
	1000						950	770	630	520	20	

## Allowable overhang distance



Direction		TRS 80-L10		TRS 80-L20	
Horizontal (X)		15kg	10kg	24kg	12kg
	0°	20mm	80mm	35mm	85mm
	90°	130mm	330mm	100mm	250mm
Vertical (Z)		13kg	8kg	8kg	4kg
	0°	70mm	130mm	155mm	335mm
	90°	70mm	130mm	155mm	355mm

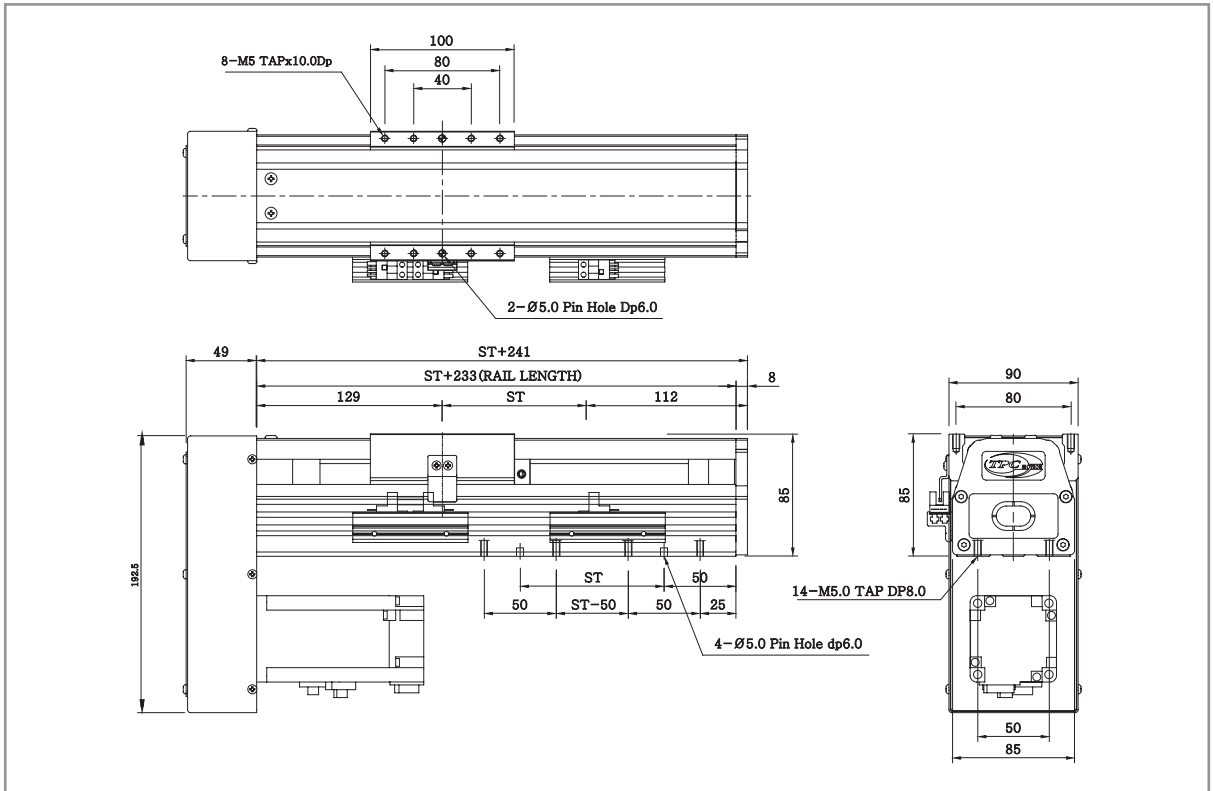
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 80-PB	50~940	10	500	100	35	6
		20	1000	200	20	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 80-PB Dimensions

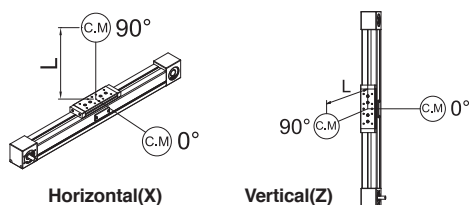


- Please contact us for a change in sensor or motor options.
  - Customized TAP or PIN Pitch on the bottom is available.
- Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.3	11	11.7		
Max. Speed (mm/s)	500						470	380	320	260	10	100
	1000						950	770	630	520	20	(200)

Allowable overhang distance



Direction	TRS 80-L10		TRS 80-L20	
	Weight	Overhang	Weight	Overhang
Horizontal (X)	15kg	20mm	10kg	35mm
	20mm	130mm	80mm	100mm
Vertical (Z)	13kg	70mm	8kg	155mm
	8kg	130mm	8kg	335mm
	8kg	130mm	4kg	355mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

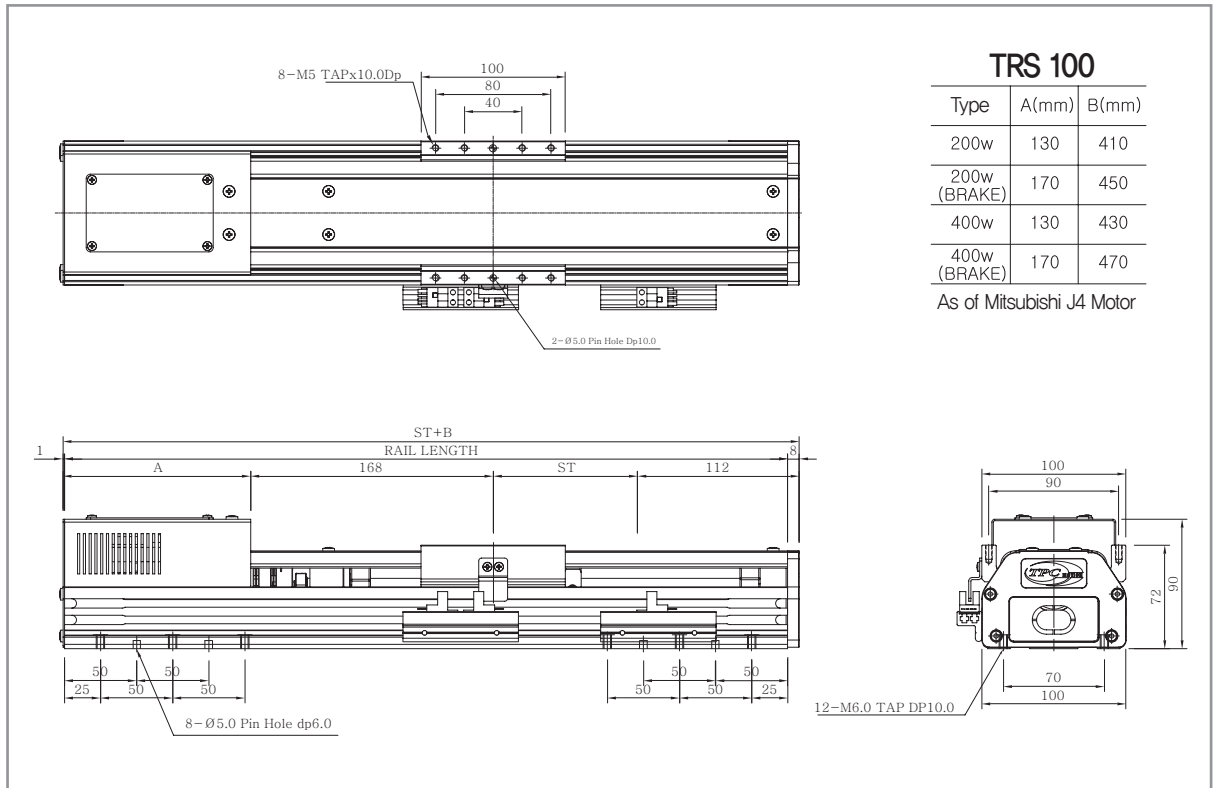
# TRS 100-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 100-M	50~830	10	500	100	20	6
		20	1000	200	20	4

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 100-M Dimensions



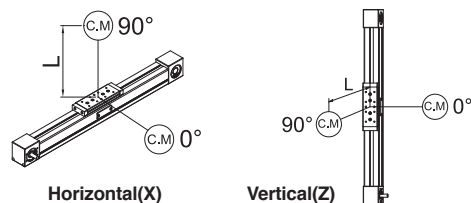
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)	5.7	6.5	7.3	8.1	8.9	9.7	10.5	11.3		
Max. Speed (mm/s)	500						400	320	10	100
	1000						800	640	20	200

## Allowable overhang distance



Direction	TRS 100-L10		TRS 100-L20	
	0°	90°	0°	90°
Horizontal (X)	20kg	10kg	12kg	6kg
	20mm	80mm	15mm	75mm
Vertical (Z)	130mm	330mm	30mm	120mm
	6kg	3kg	3kg	1.5kg
Vertical (Z)	20mm	60mm	25mm	90mm
	30mm	85mm	40mm	100mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

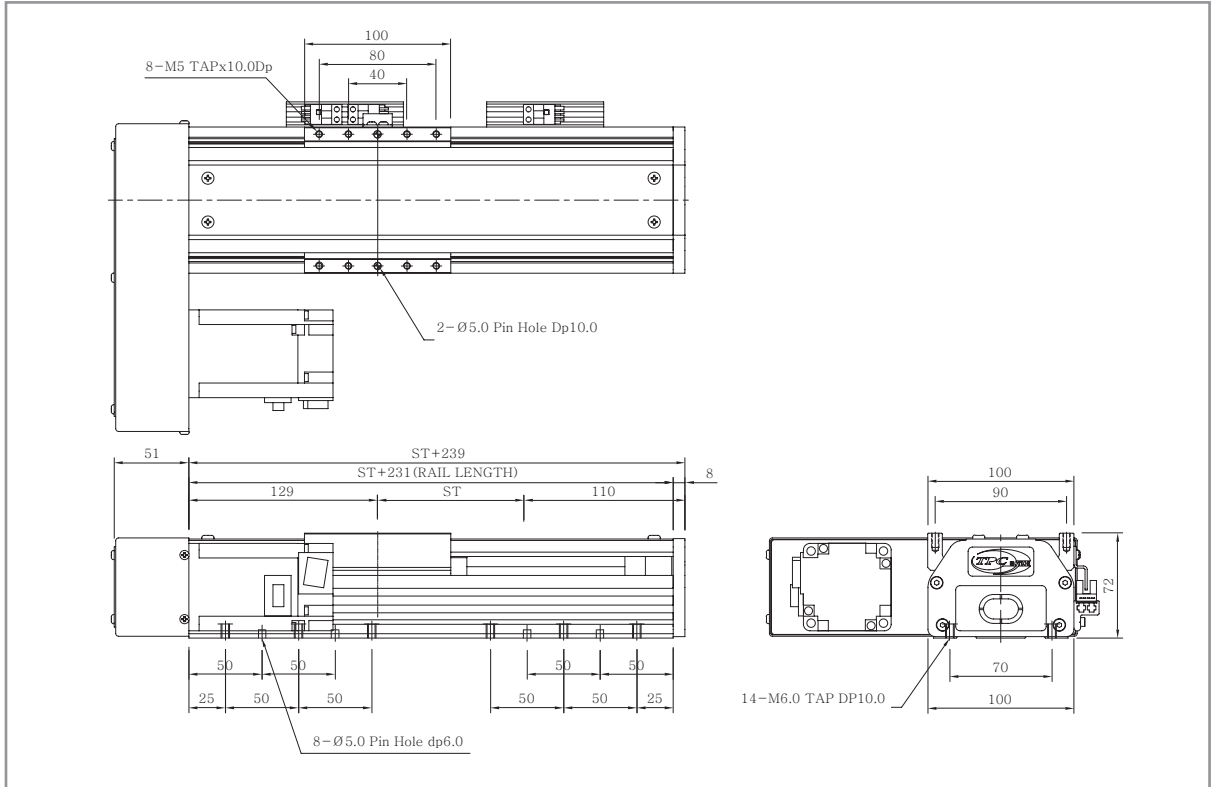


**Basic specifications**

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 100-PR	50~830	10	500	100	20	6
		20	1000	200	20	4

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

**TRS 100-PR Dimensions**



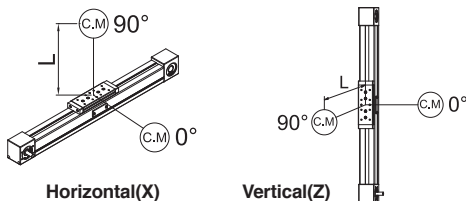
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

**Weight & speed for each stroke**

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)	5.7	6.5	7.3	8.1	8.9	9.7	10.5	11.3		
Max. Speed (mm/s)	500						400	320	10	100
	1000						800	640	20	200

**Allowable overhang distance**



Direction		TRS 100-L10		TRS 100-L20	
		20kg	10kg	12kg	6kg
Horizontal (X)	0°	20mm	80mm	15mm	75mm
	90°	130mm	330mm	30mm	120mm
Vertical (Z)		6kg	3kg	3kg	1.5kg
	0°	20mm	60mm	25mm	90mm
	90°	30mm	85mm	40mm	100mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

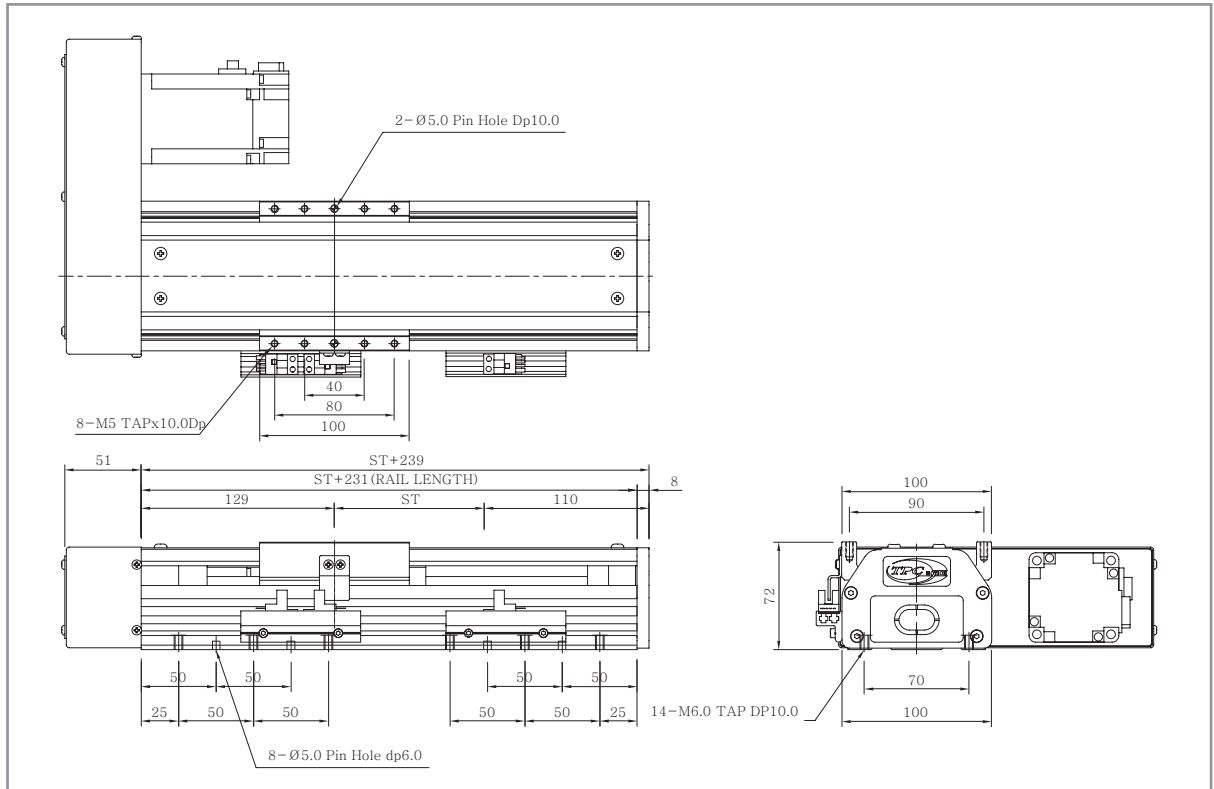
# TRS 100-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 100-PL	50~830	10	500	100	20	6
		20	1000	200	20	4

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 100-PL Dimensions



- Please contact us for a change in sensor or motor options.

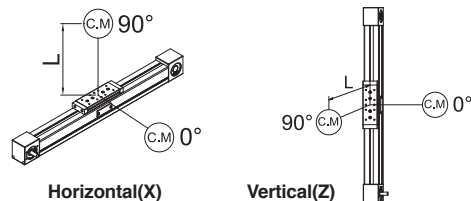
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)	5.7	6.5	7.3	8.1	8.9	9.7	10.5	11.3		
Max. Speed (mm/s)	500						400	320	10	100
	1000						800	640	20	200

## Allowable overhang distance



Direction	TRS 100-L10		TRS 100-L20	
	0°	90°	0°	90°
Horizontal (X)	20kg	10kg	12kg	6kg
	20mm	80mm	15mm	75mm
Vertical (Z)	130mm	330mm	30mm	120mm
	6kg	3kg	3kg	1.5kg
Vertical (Z)	20mm	60mm	25mm	90mm
	30mm	85mm	40mm	100mm

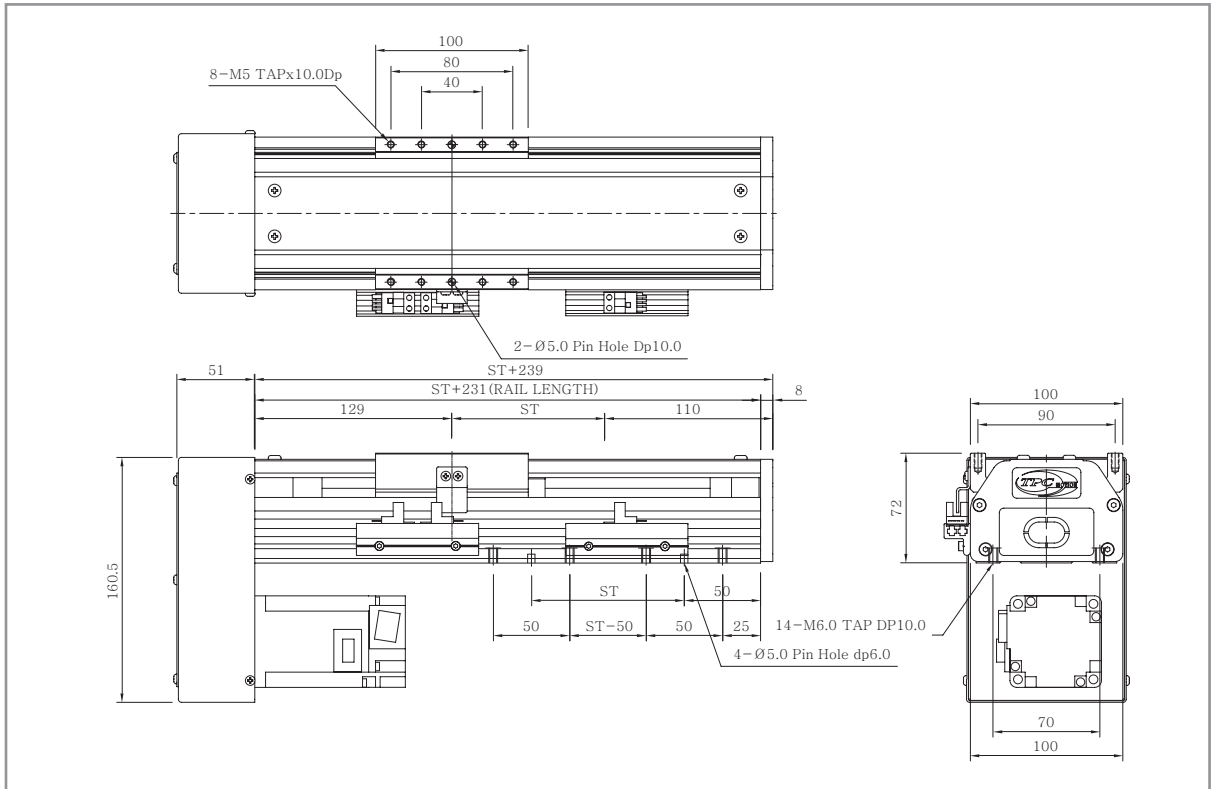
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 100-PB	50~830	10	500	100	20	6
		20	1000	200	20	4

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 100-PB Dimensions



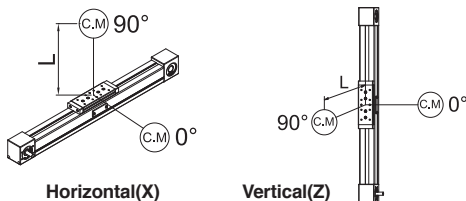
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	Lead (mm)	Motor (W)
Weight(kg)	5.7	6.5	7.3	8.1	8.9	9.7	10.5	11.3		
Max. Speed (mm/s)	500						400	320	10	100
	1000						800	640	20	200

Allowable overhang distance



Direction	TRS 100-L10		TRS 100-L20		
	Horizontal (X)	0°	20kg	10kg	12kg
90°		20mm	80mm	15mm	75mm
Vertical (Z)		130mm	330mm	30mm	120mm
		6kg	3kg	3kg	1.5kg
	0°	20mm	60mm	25mm	90mm
	90°	30mm	85mm	40mm	100mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

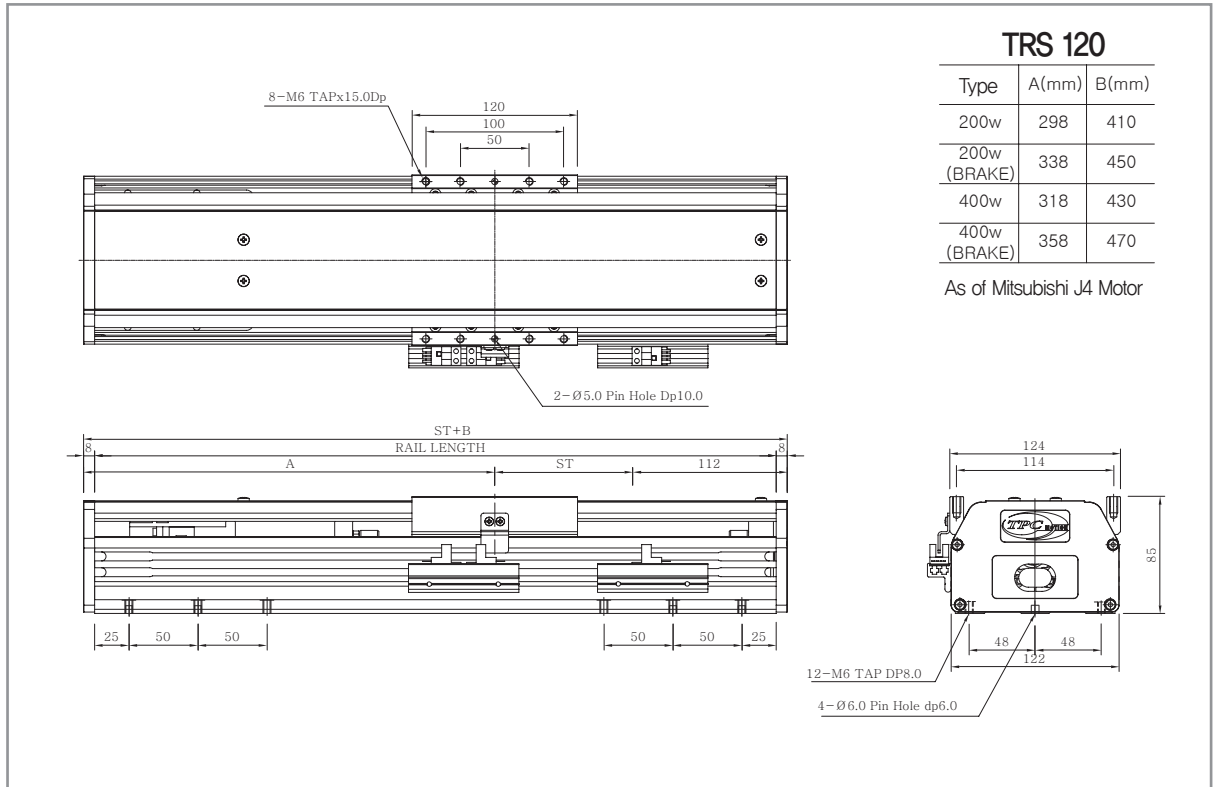
# TRS 120-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 120-M	50~940	10	500	200	80	18
		20	1000		25	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 120-M Dimensions



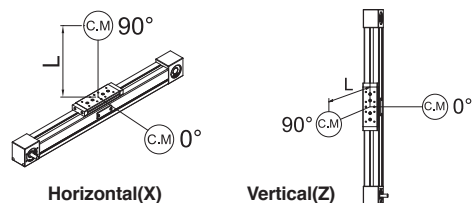
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	7	7.9	8.8	9.7	10.6	11.5	12.4	13.3	14.2	15.1		
Max. Speed (mm/s)	500						400	330	270	220	10	200 (400)
	1000						800	660	540	440	20	

## Allowable overhang distance



Direction	TRS 120-L10		TRS 120-L20	
	Weight	Lead	Weight	Lead
Horizontal (X)	60kg	300mm	30kg	150mm
	20kg	150mm	10kg	75mm
Vertical (Z)	150mm	300mm	100mm	210mm
	150mm	400mm	300mm	650mm

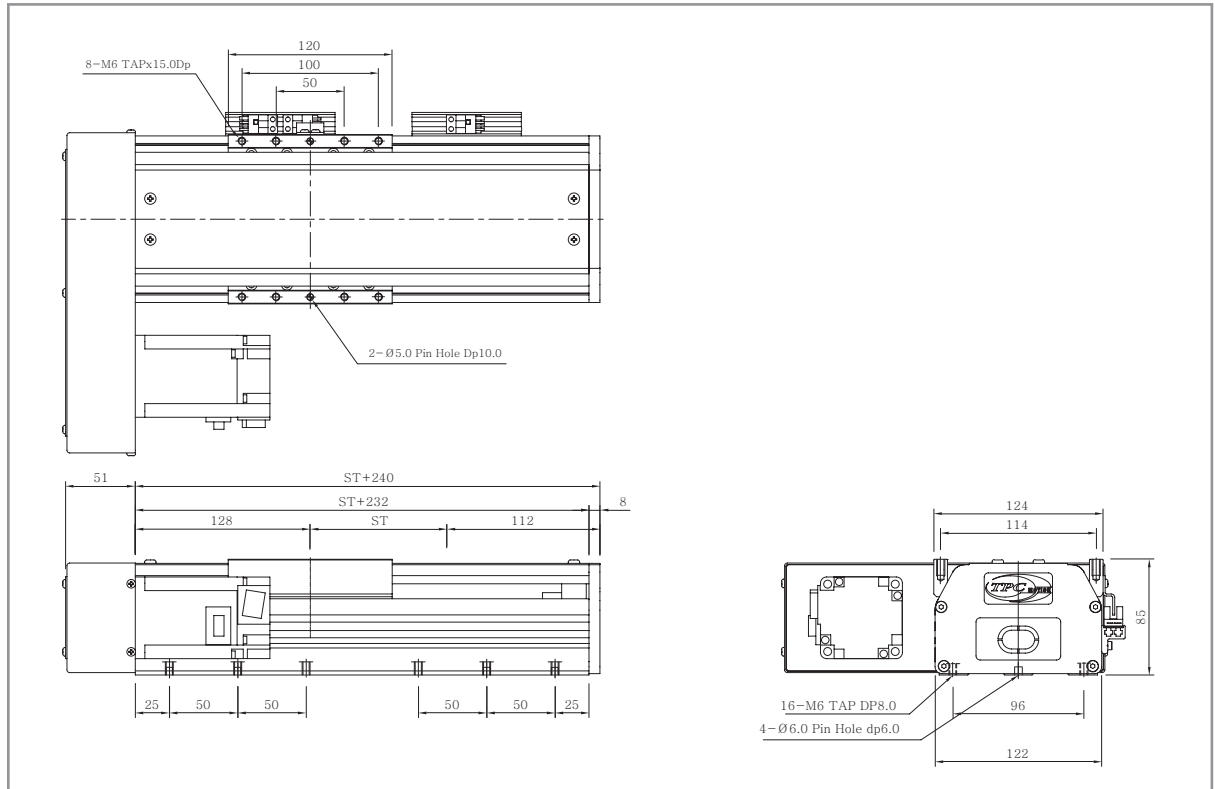
\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 120-PR	50~940	10	500	200	80	18
		20	1000		25	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 120-PR Dimensions



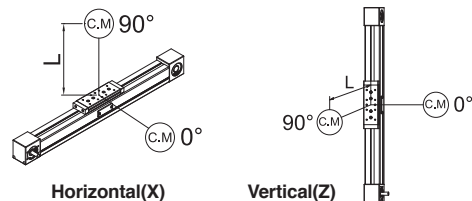
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	7	7.9	8.8	9.7	10.6	11.5	12.4	13.3	14.2	15.1		
Max. Speed (mm/s)	500						400	330	270	220	10	200 (400)
	1000						800	660	540	440	20	

Allowable overhang distance



Direction	TRS 120-L10		TRS 120-L20	
	Weight	Overhang	Weight	Overhang
Horizontal (X)	60kg	150mm	30kg	150mm
	30kg	450mm	20kg	1000mm
Vertical (Z)	20kg	150mm	10kg	150mm
	10kg	400mm	8kg	300mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000)

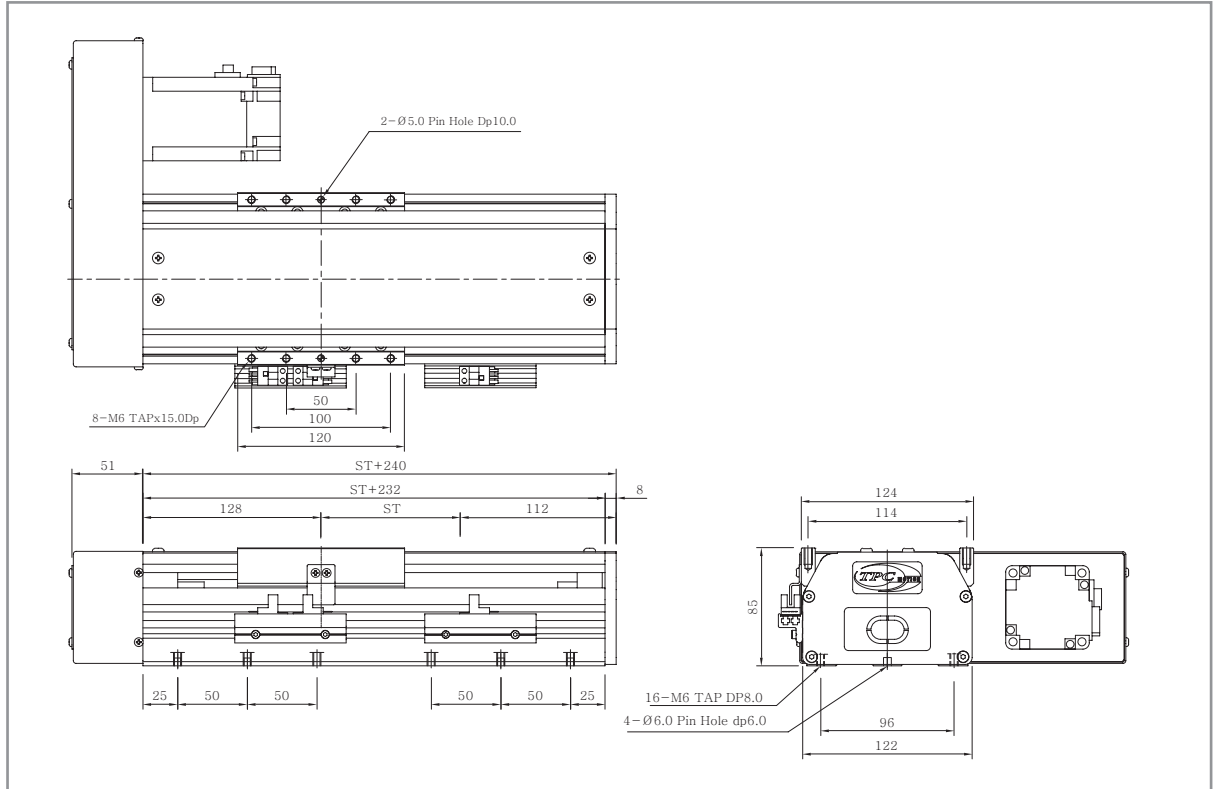
# TRS 120-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 120-PL	50~940	10	500	200	80	18
		20	1000		25	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 120-PL Dimensions



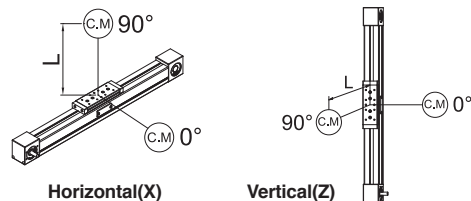
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	7	7.9	8.8	9.7	10.6	11.5	12.4	13.3	14.2	15.1		
Max. Speed (mm/s)	500						400	330	270	220	10	200 (400)
	1000						800	660	540	440	20	

## Allowable overhang distance



Direction	TRS 120-L10		TRS 120-L20	
	Weight	Stroke	Weight	Stroke
Horizontal (X)	60kg	300mm	30kg	150mm
	20kg	150mm	10kg	75mm
Vertical (Z)	150mm	300mm	400mm	650mm
	150mm	150mm	300mm	300mm

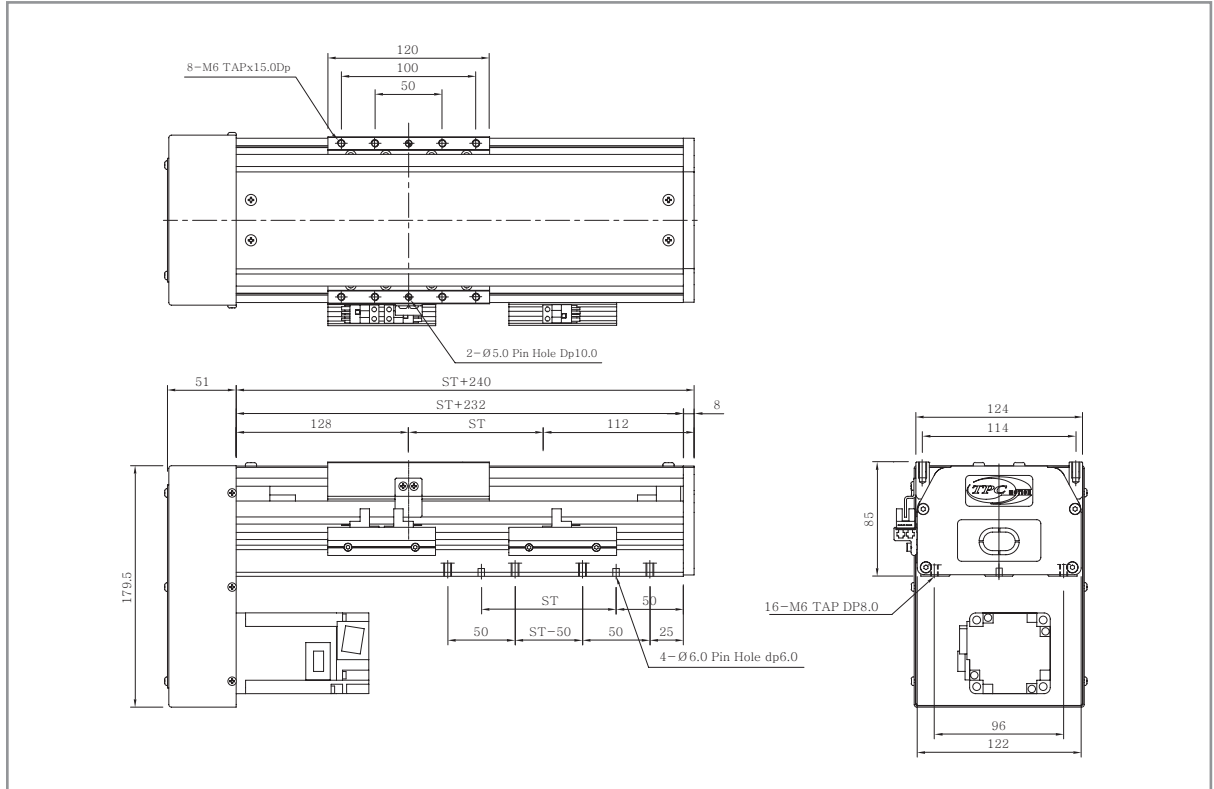
\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 120-PB	50~940	10	500	200	80	18
		20	1000		25	6

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 120-PB Dimensions



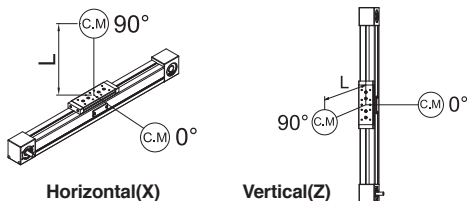
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	7	7.9	8.8	9.7	10.6	11.5	12.4	13.3	14.2	15.1		
Max. Speed (mm/s)	500						400	330	270	220	10	200 (400)
	1000						800	660	540	440	20	

Allowable overhang distance



Direction	TRS 120-L10		TRS 120-L20	
	Weight	Stroke	Weight	Stroke
Horizontal (X)	60kg	300mm	30kg	150mm
	20kg	150mm	10kg	75mm
Vertical (Z)	150mm	300mm	100mm	210mm
	450mm	1350mm	1000mm	2100mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

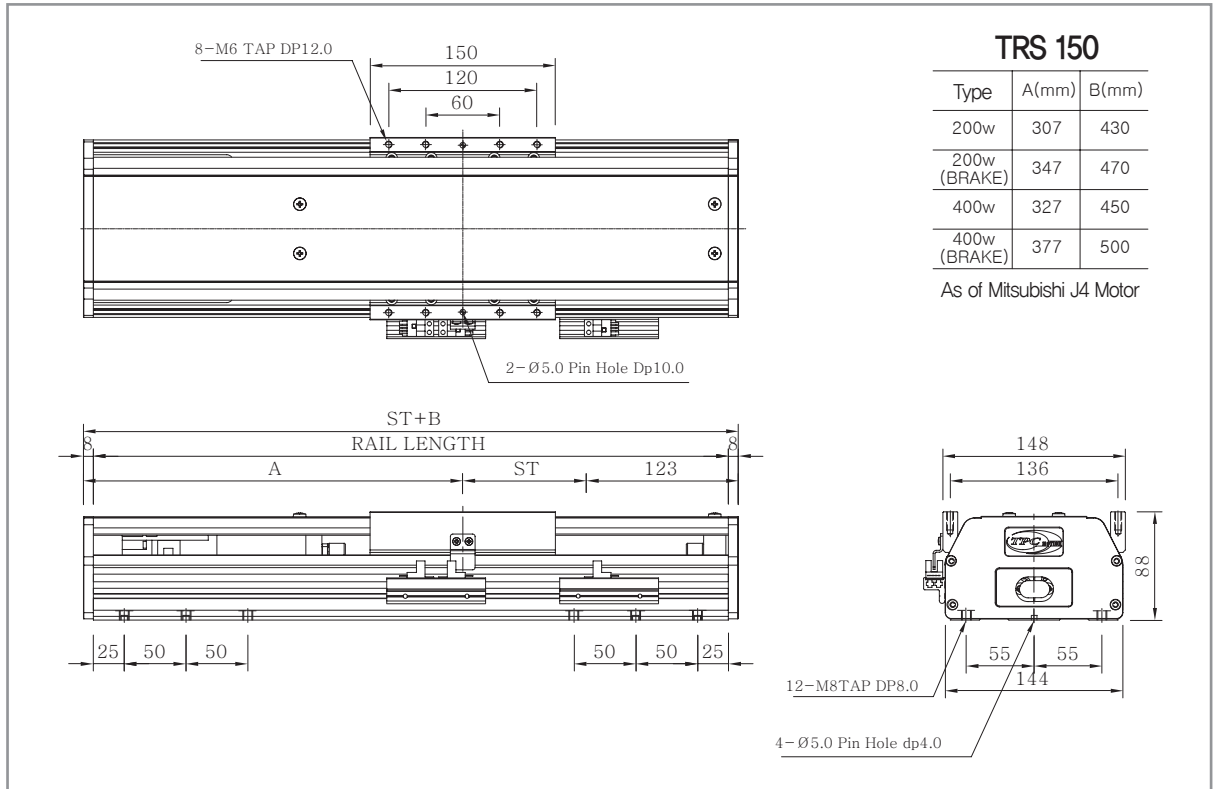
# TRS 150-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 150-M	50~920	10	500	400	100	40
		20	1000		60	18

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 150-M Dimensions



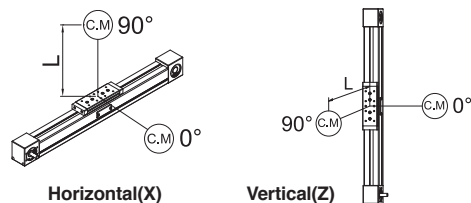
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	9.2	10.4	11.6	12.8	14	15.2	16.4	17.6	18.8	20		
Max. Speed (mm/s)	500						390	310	260	210	10	200 (400)
	1000						780	620	520	420	20	

## Allowable overhang distance



Direction	TRS 150-L10		TRS 150-L20		
	80kg	50kg	30kg	15kg	
Horizontal (X)	0°	100mm	250mm	500mm	
	90°	800mm	1200mm	1300mm	
Vertical (Z)	0°	30kg	15kg	10kg	
	90°	250mm	600mm	400mm	650mm
		300mm	650mm	450mm	700mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

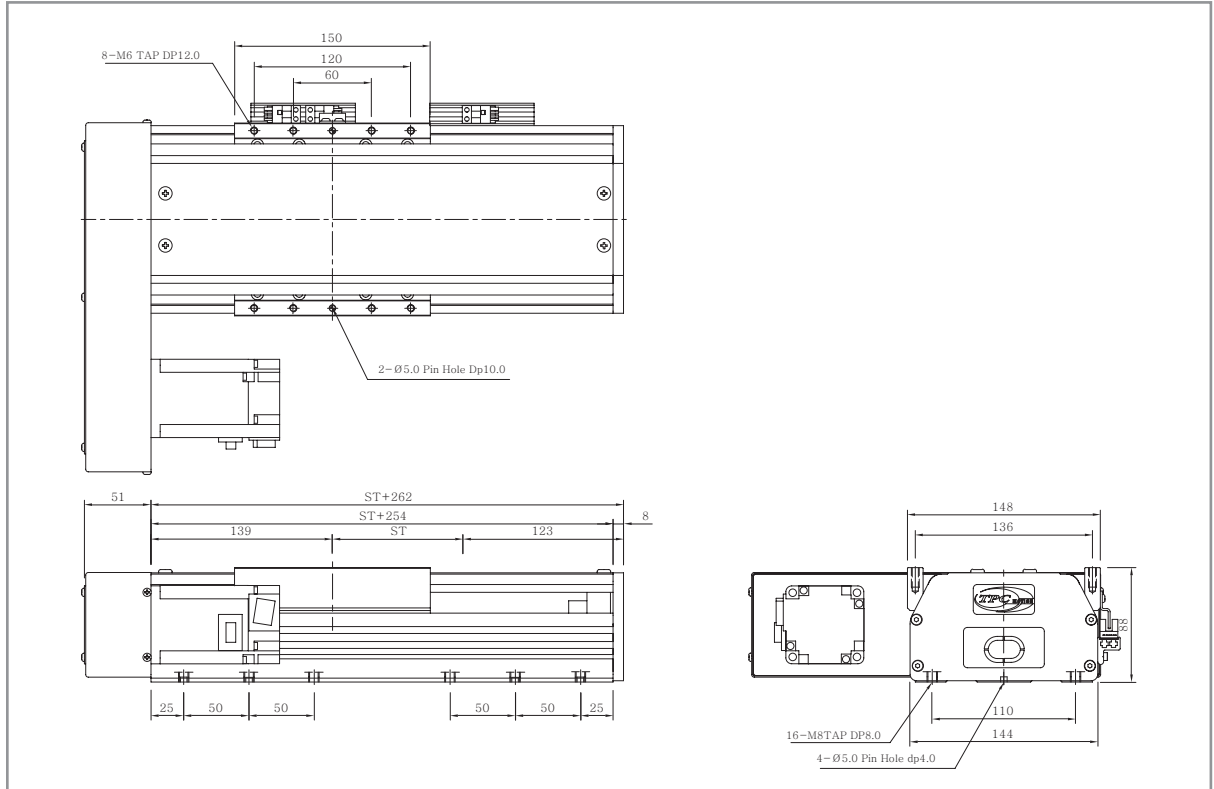


Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 150-PR	50~920	10	500	400	100	40
		20	1000		60	18

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 150-PR Dimensions



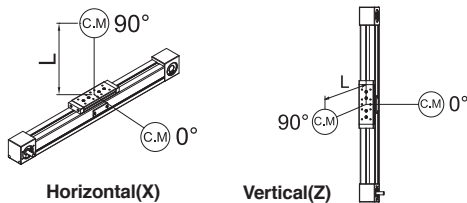
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	9.2	10.4	11.6	12.8	14	15.2	16.4	17.6	18.8	20		
Max. Speed (mm/s)	500						390	310	260	210	10	200 (400)
	1000						780	620	520	420	20	

Allowable overhang distance



Direction	TRS 150-L10		TRS 150-L20	
	Weight	Stroke	Weight	Stroke
Horizontal (X)	80kg	250mm	50kg	250mm
	30kg	150mm	15kg	100mm
Vertical (Z)	800mm	1200mm	900mm	1300mm
	300mm	650mm	450mm	700mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

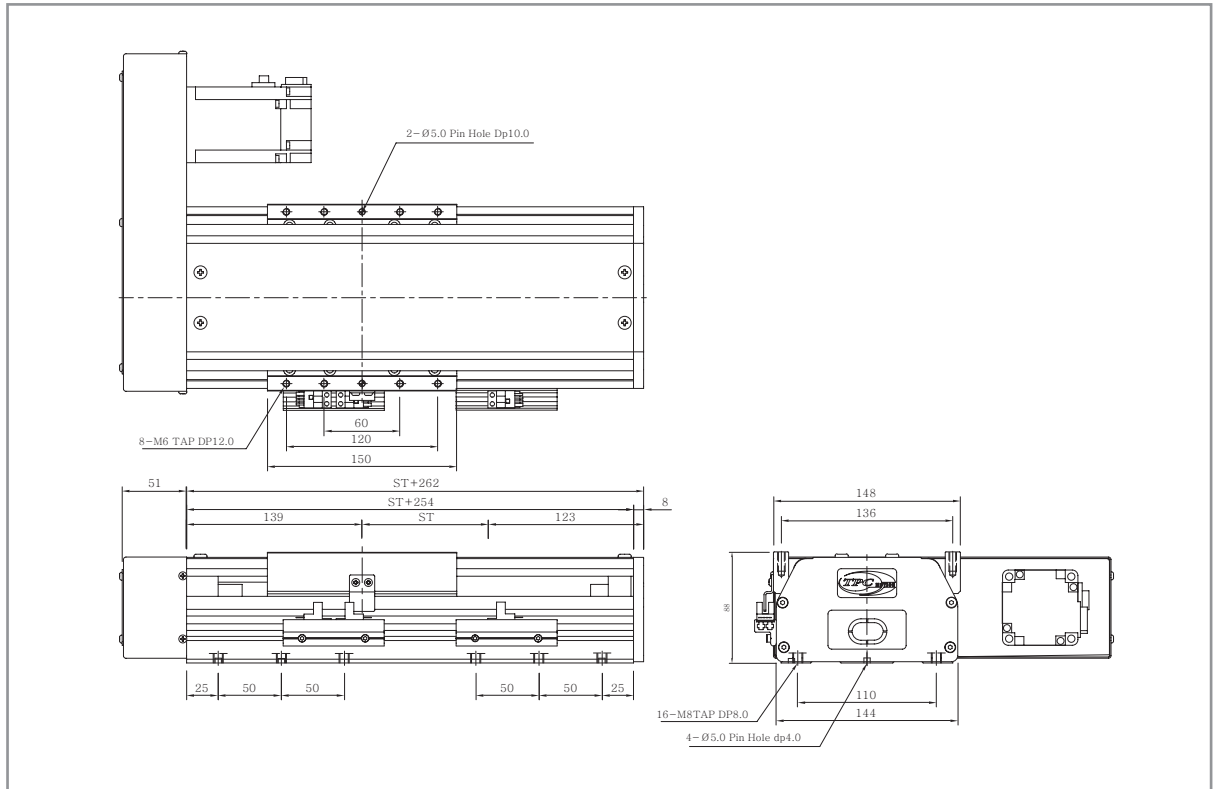
# TRS 150-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 150-PL	50~920	10	500	400	100	40
		20	1000		60	18

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 150-PL Dimensions



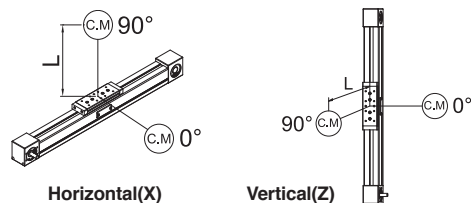
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	9.2	10.4	11.6	12.8	14	15.2	16.4	17.6	18.8	20		
Max. Speed (mm/s)	500						390	310	260	210	10	200 (400)
	1000						780	620	520	420	20	

## Allowable overhang distance



Direction	TRS 150-L10		TRS 150-L20		
	80kg	50kg	30kg	15kg	
Horizontal (X)	0°	100mm	250mm	250mm	500mm
	90°	800mm	1200mm	900mm	1300mm
Vertical (Z)	0°	30kg	15kg	15kg	10kg
	90°	250mm	600mm	400mm	650mm
		300mm	650mm	450mm	700mm

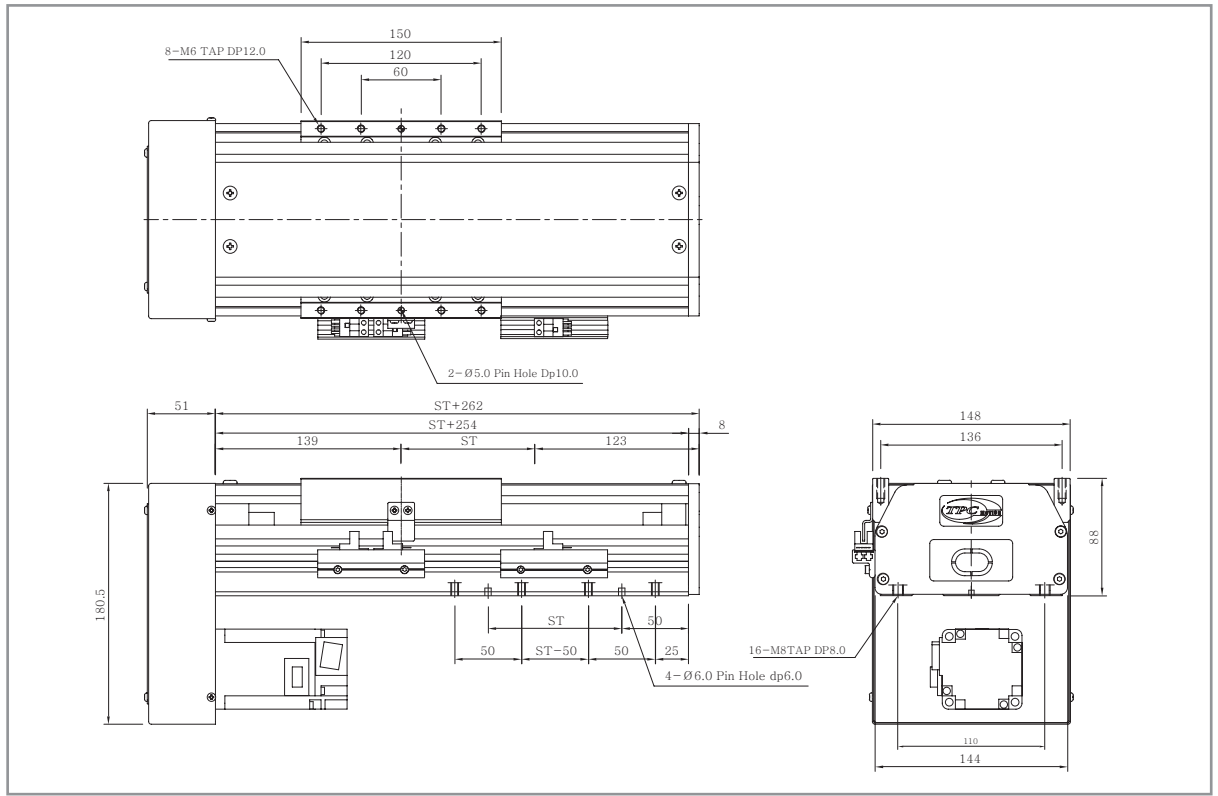
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

**Basic specifications**

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 150-PB	50~920	10	500	400	100	40
		20	1000		60	18

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

**TRS 150-PB Dimensions**

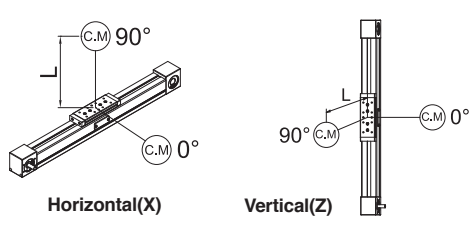


- Please contact us for a change in sensor or motor options.
  - Customized TAP or PIN Pitch on the bottom is available.
- Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

**Weight & speed for each stroke**

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	Lead (mm)	Motor (W)
Weight(kg)	9.2	10.4	11.6	12.8	14	15.2	16.4	17.6	18.8	20		
Max. Speed (mm/s)	500						390	310	260	210	10	200 (400)
	1000						780	620	520	420	20	

**Allowable overhang distance**



Direction	TRS 150-L10		TRS 150-L20	
	80kg	50kg	30kg	15kg
Horizontal (X)	0°	100mm	250mm	500mm
	90°	800mm	1200mm	1300mm
Vertical (Z)		30kg	15kg	15kg
	0°	250mm	600mm	650mm
	90°	300mm	650mm	700mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

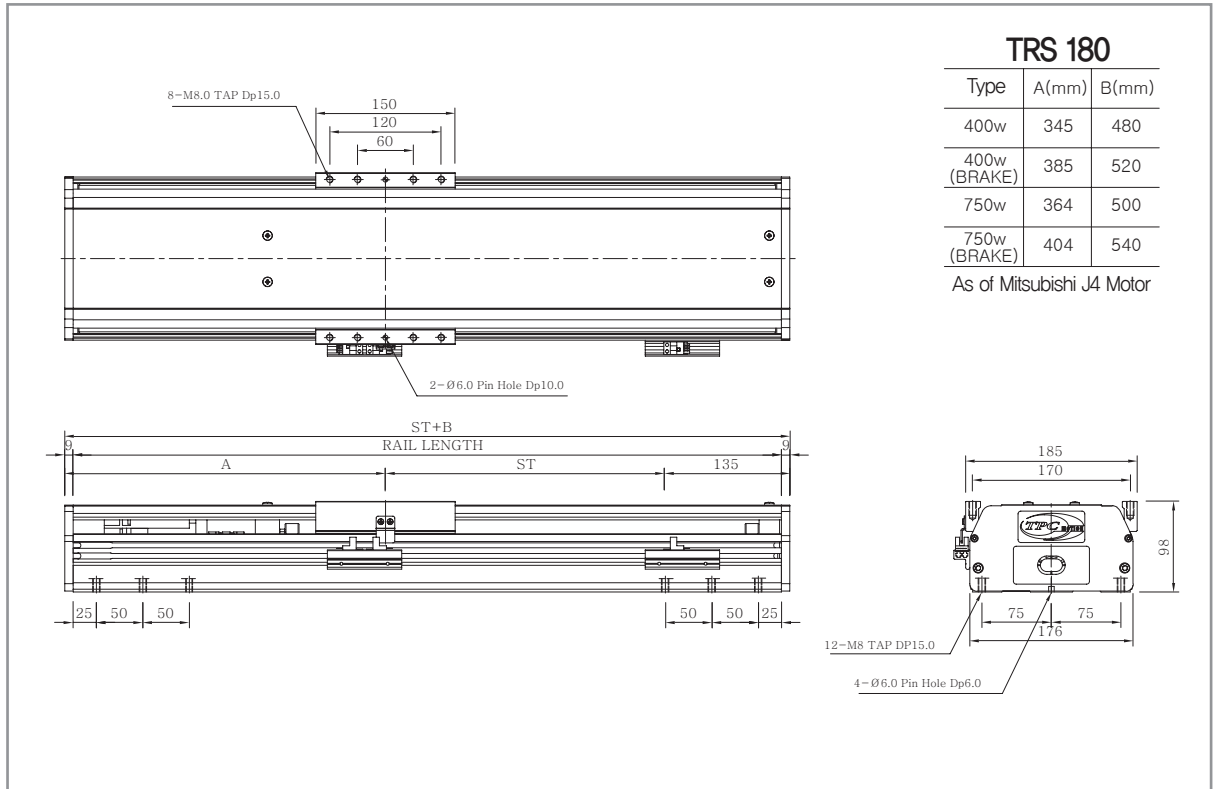
# TRS 180-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 180-M	50~1200	10	500	750	120	60
		20	1000		120	25

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 180-M Dimensions



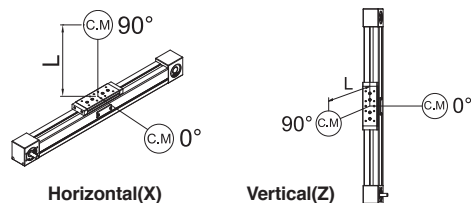
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500							420	350	290	250	210	10	400
	1000							840	700	580	500	420	20	(750)

## Allowable overhang distance



Direction	TRS 180-L10		TRS 180-L20	
	Horizontal (X)	90kg	60kg	40kg
90°	100mm	250mm	250mm	500mm
	800mm	1200mm	900mm	1300mm
Vertical (Z)	35kg	20kg	20kg	15kg
	0°	250mm	600mm	300mm
90°	300mm	650mm	300mm	350mm

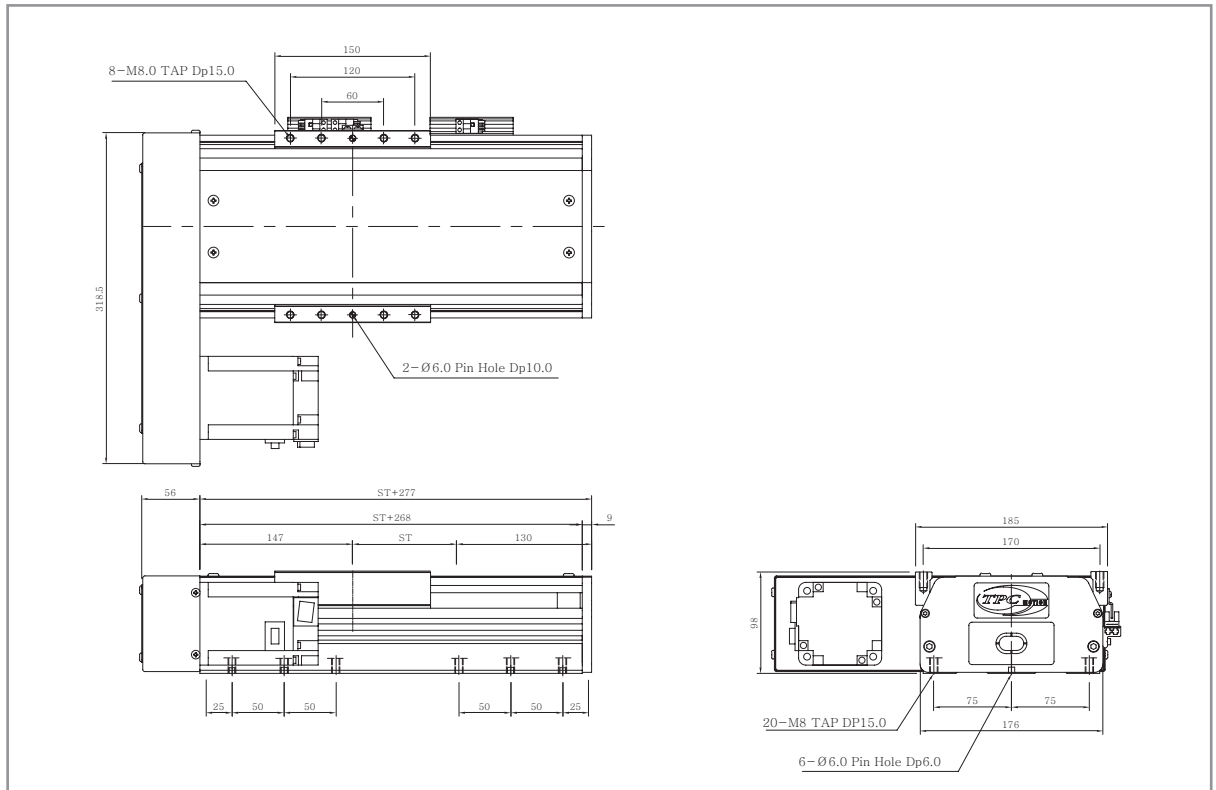
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 180-PR	50~1200	10	500	750	120	60
		20	1000		120	25

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 180-PR Dimensions



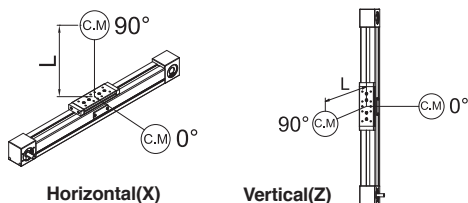
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500							420	350	290	250	210	10	400
	1000							840	700	580	500	420	20	(750)

Allowable overhang distance



Direction	TRS 180-L10		TRS 180-L20	
	Horizontal (X)	90kg	60kg	40kg
0°		100mm	250mm	500mm
Vertical (Z)	90°	800mm	1200mm	1300mm
		35kg	20kg	20kg
	0°	250mm	600mm	300mm
	90°	300mm	650mm	300mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

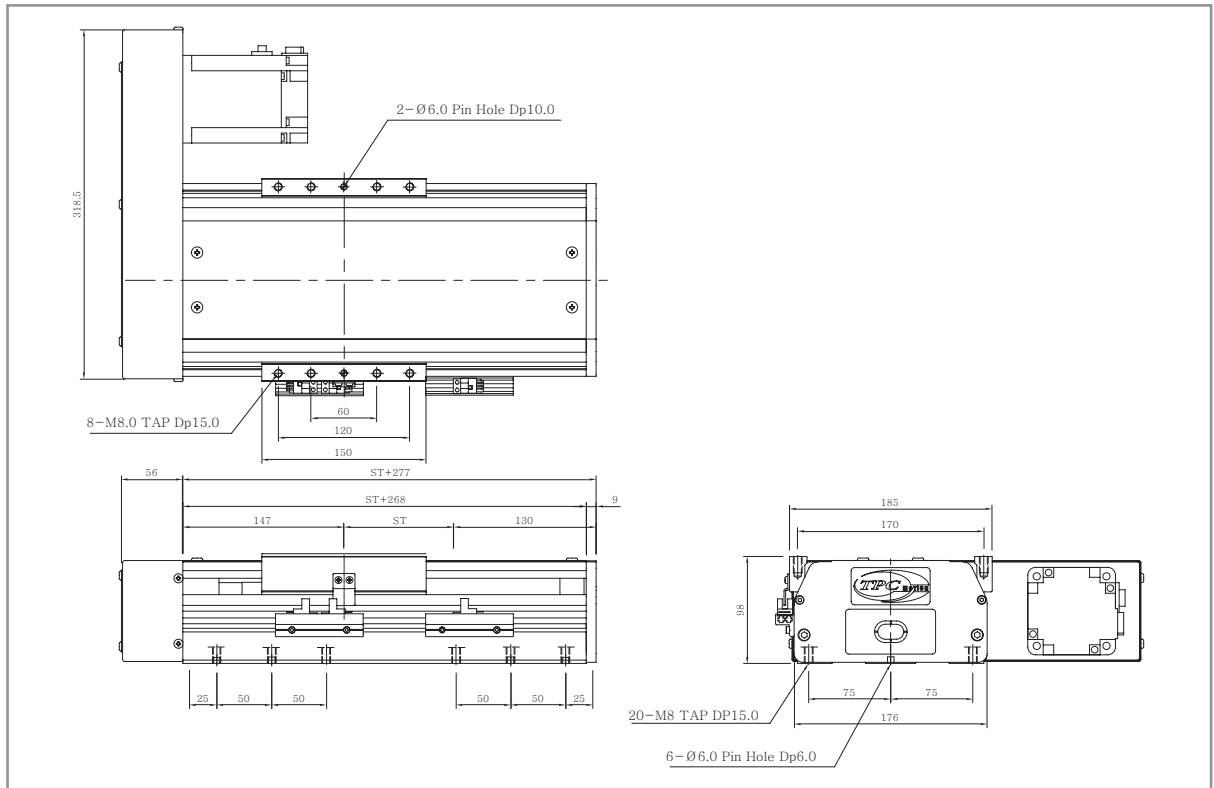
# TRS 180-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 180-PL	50~1200	10	500	750	120	60
		20	1000		120	25

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 180-PL Dimensions



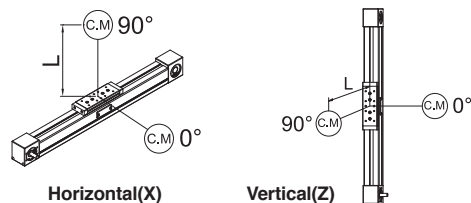
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)								420	350	290	250	210	10	400
								840	700	580	500	420	20	(750)

## Allowable overhang distance



Direction	TRS 180-L10		TRS 180-L20	
	90°	60°	40kg	25kg
Horizontal (X)	0°	100mm	250mm	500mm
	90°	800mm	1200mm	1300mm
Vertical (Z)		35kg	20kg	15kg
	0°	250mm	600mm	350mm
	90°	300mm	650mm	350mm

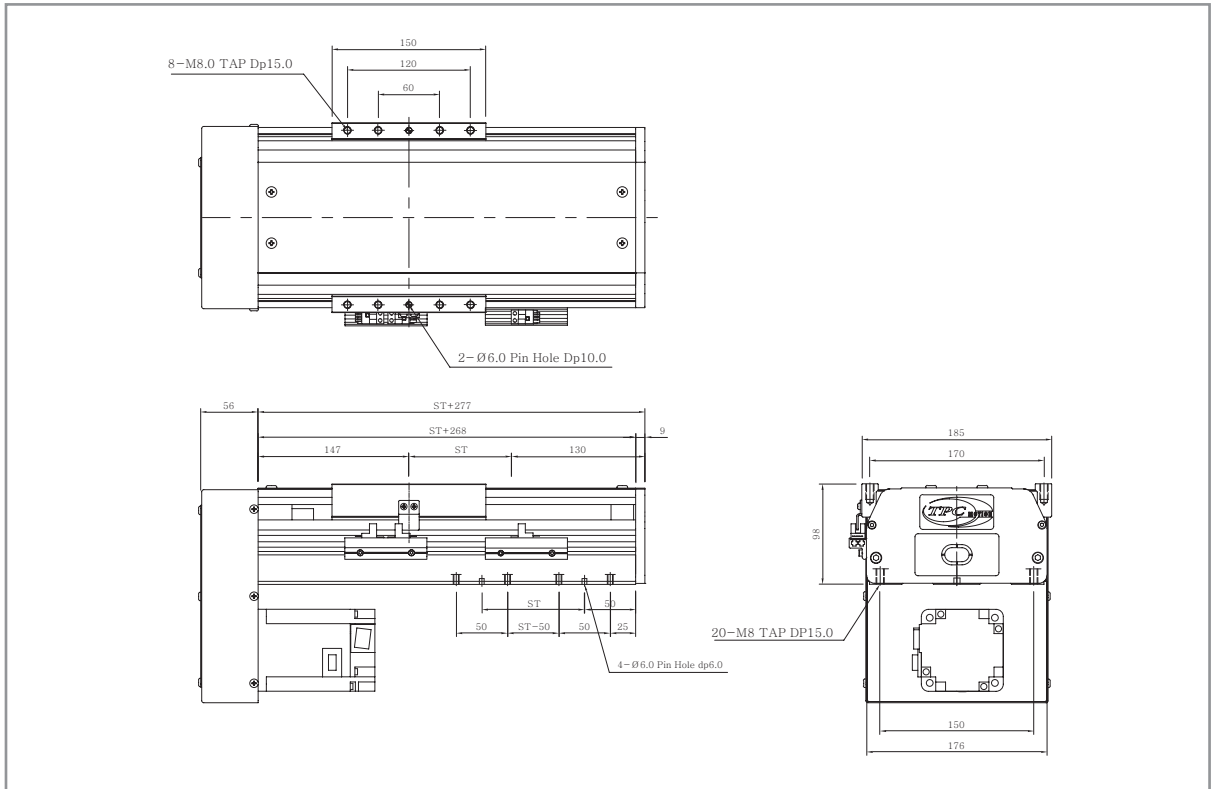
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 180-PB	50~1200	10	500	750	120	60
		20	1000		120	25

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 180-PB Dimensions



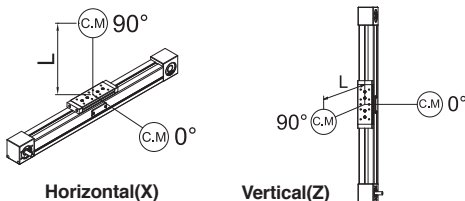
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500							420	350	290	250	210	10	400 (750)
	1000							840	700	580	500	420	20	

Allowable overhang distance



Direction	TRS 180-L10		TRS 180-L20	
	Weight	Stroke	Weight	Stroke
Horizontal (X)	90kg	60mm	40kg	25mm
	100mm	250mm	250mm	500mm
Vertical (Z)	800mm	1200mm	900mm	1300mm
	35kg	20kg	20kg	15kg
Vertical (Z)	250mm	600mm	300mm	350mm
	300mm	650mm	300mm	350mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

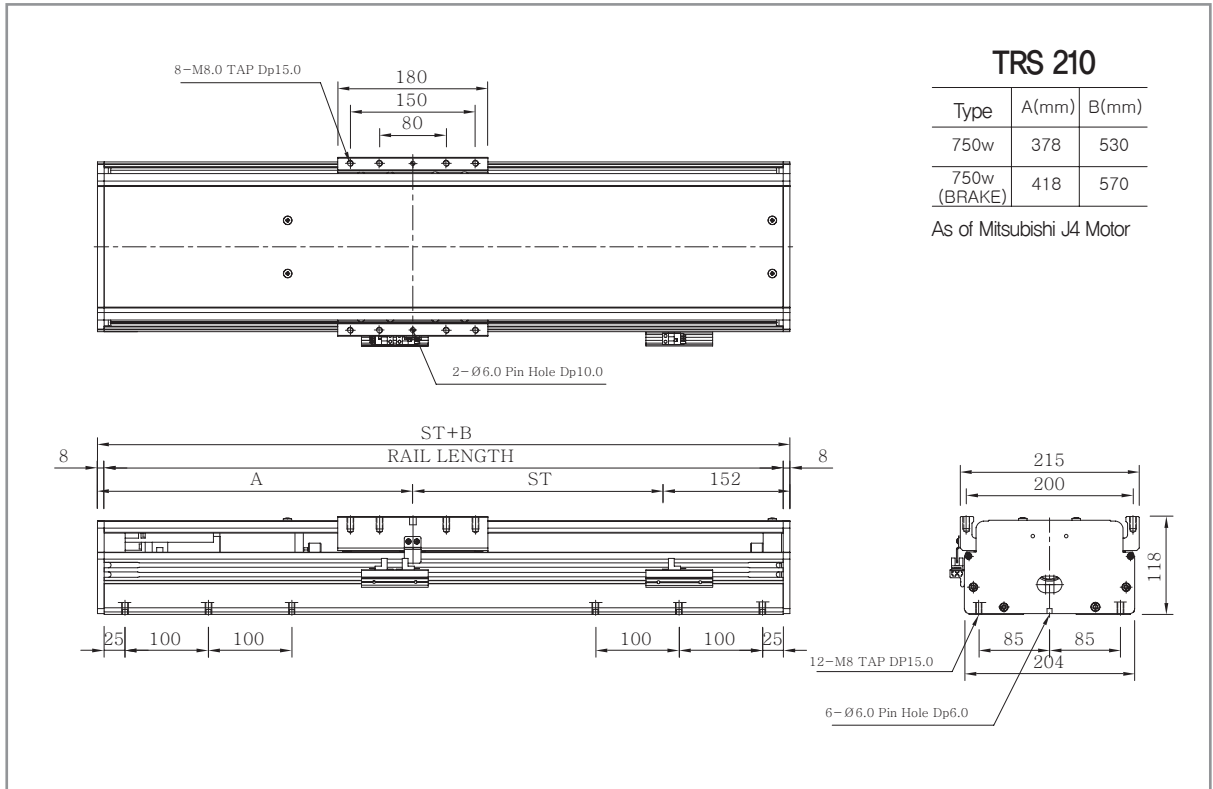
# TRS 210-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 210-M	50~1160	10	500	750	170	80
		20	1000		120	35

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 210-M Dimensions



- Please contact us for a change in sensor or motor options.

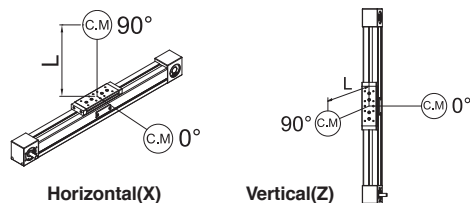
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500						475	400	320	280	240	200	10	400
	1000						950	800	640	560	480	400	20	(750)

## Allowable overhang distance



Direction		TRS 210-L10		TRS 210-L20	
Horizontal (X)		140kg	70kg	100kg	50kg
	0°	150mm	300mm	150mm	300mm
	90°	1150mm	2500mm	580mm	1400mm
Vertical (Z)		50kg	25kg	30kg	15kg
	0°	150mm	300mm	150mm	300mm
	90°	650mm	1200mm	700mm	1550mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

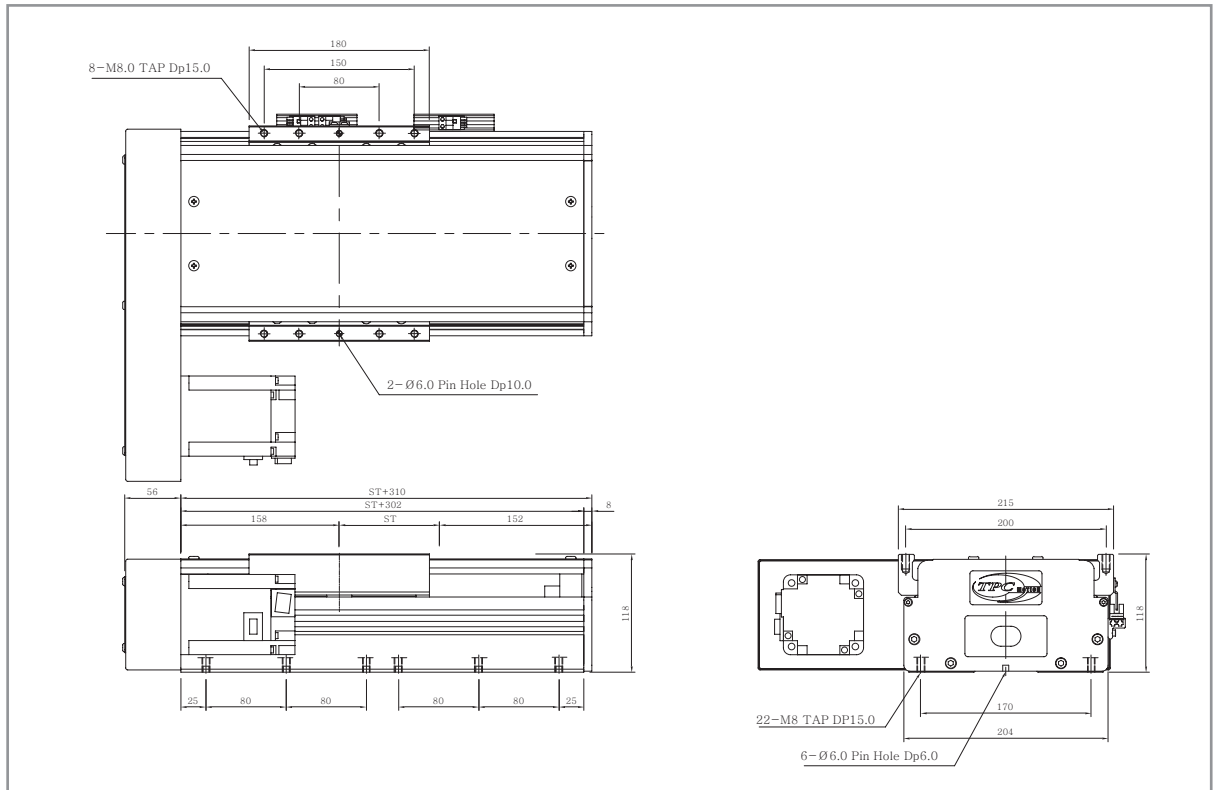


Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 210-PR	50~1160	10	500	750	170	80
		20	1000		120	35

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

TRS 210-PR Dimensions



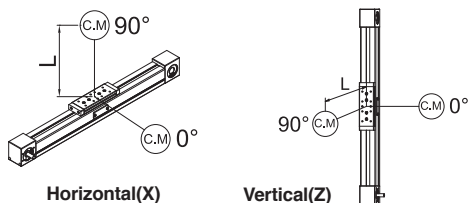
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500						475	400	320	280	240	200	10	400 (750)
	1000						950	800	640	560	480	400	20	

Allowable overhang distance



Direction	TRS 210-L10		TRS 210-L20	
	Load	Stroke	Load	Stroke
Horizontal (X)	140kg	70kg	100kg	50kg
	0°	150mm	300mm	150mm
	90°	1150mm	2500mm	580mm
Vertical (Z)	50kg	25kg	30kg	15kg
	0°	150mm	300mm	150mm
	90°	650mm	1200mm	700mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

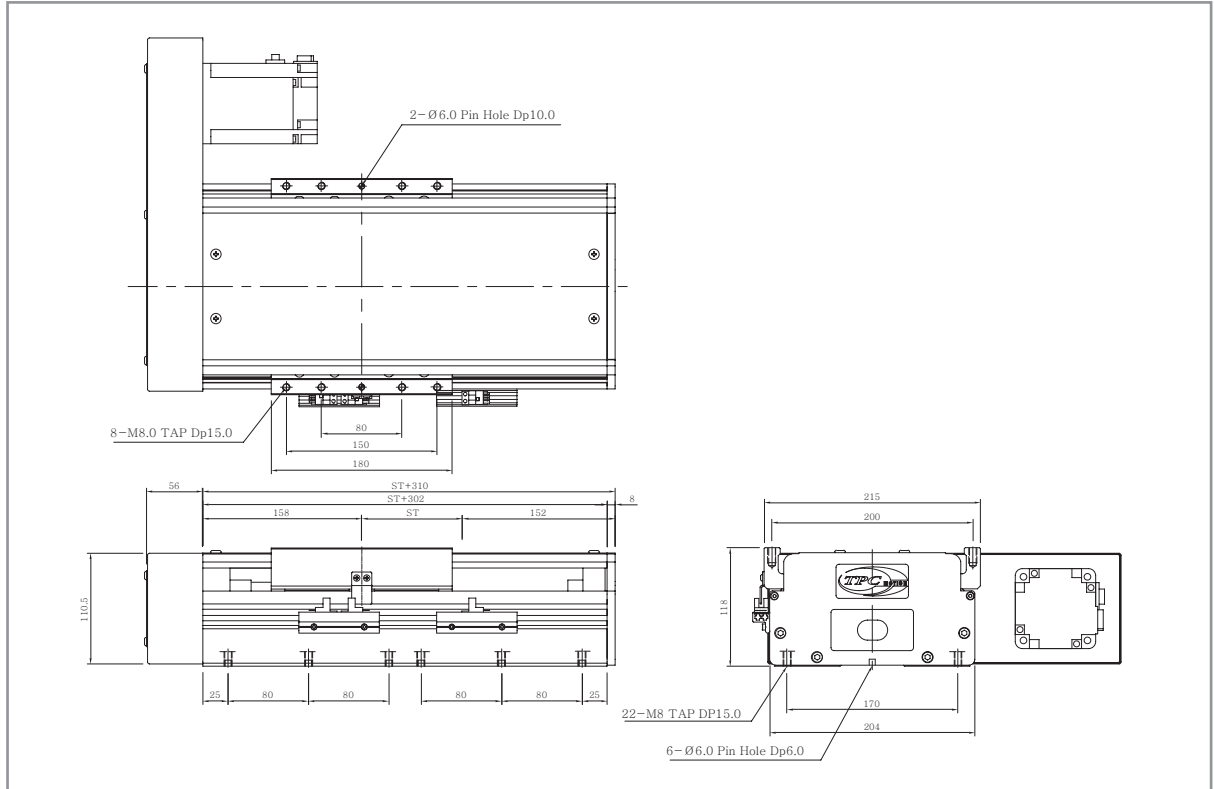
# TRS 210-PL

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 210-PL	50~1160	10	500	750	170	80
		20	1000		120	35

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 210-PL Dimensions



- Please contact us for a change in sensor or motor options.

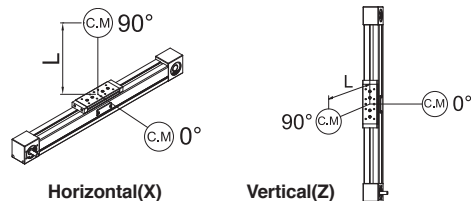
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500						475	400	320	280	240	200	10	400
	1000						950	800	640	560	480	400	20	(750)

## Allowable overhang distance



Direction	TRS 210-L10		TRS 210-L20	
	90°	0°	90°	0°
Horizontal (X)	140kg	70kg	100kg	50kg
	150mm	300mm	150mm	300mm
Vertical (Z)	1150mm	2500mm	580mm	1400mm
	50kg	25kg	30kg	15kg
Vertical (Z)	150mm	300mm	150mm	300mm
	650mm	1200mm	700mm	1550mm

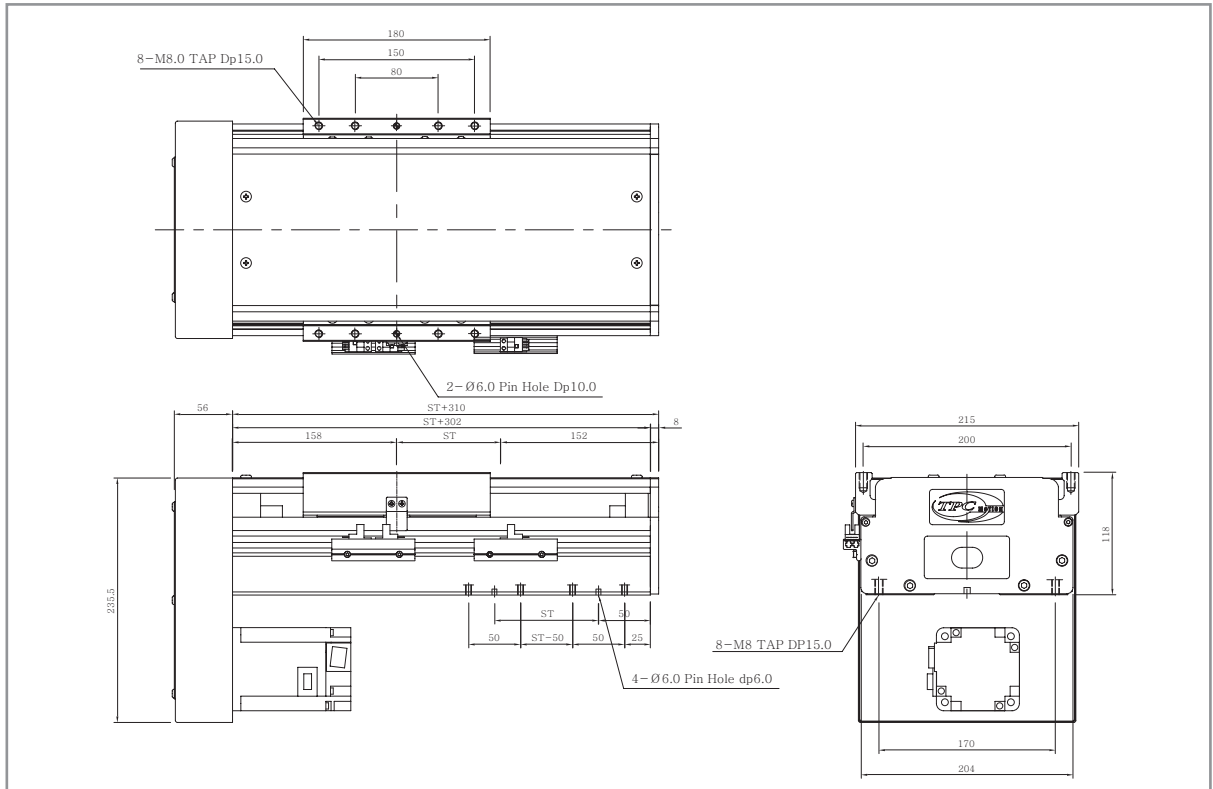
※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

**Basic specifications**

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 210-PB	50~1160	10	500	750	170	80
		20	1000		120	35

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

**TRS 210-PB Dimensions**



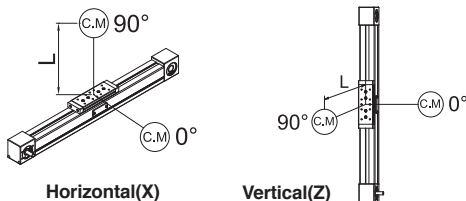
- Please contact us for a change in sensor or motor options.
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

**Weight & speed for each stroke**

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	Lead (mm)	Motor (W)
Weight(kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2		
Max. Speed (mm/s)	500						475	400	320	280	240	200	10	400
	1000						950	800	640	560	480	400	20	(750)

**Allowable overhang distance**



Direction	TRS 210-L10		TRS 210-L20		
	Horizontal (X)	0°	140kg	70kg	100kg
90°		150mm	300mm	150mm	300mm
Vertical (Z)	90°	1150mm	2500mm	580mm	1400mm
	0°	50kg	25kg	30kg	15kg
	90°	150mm	300mm	150mm	300mm
	90°	650mm	1200mm	700mm	1550mm

※ This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)

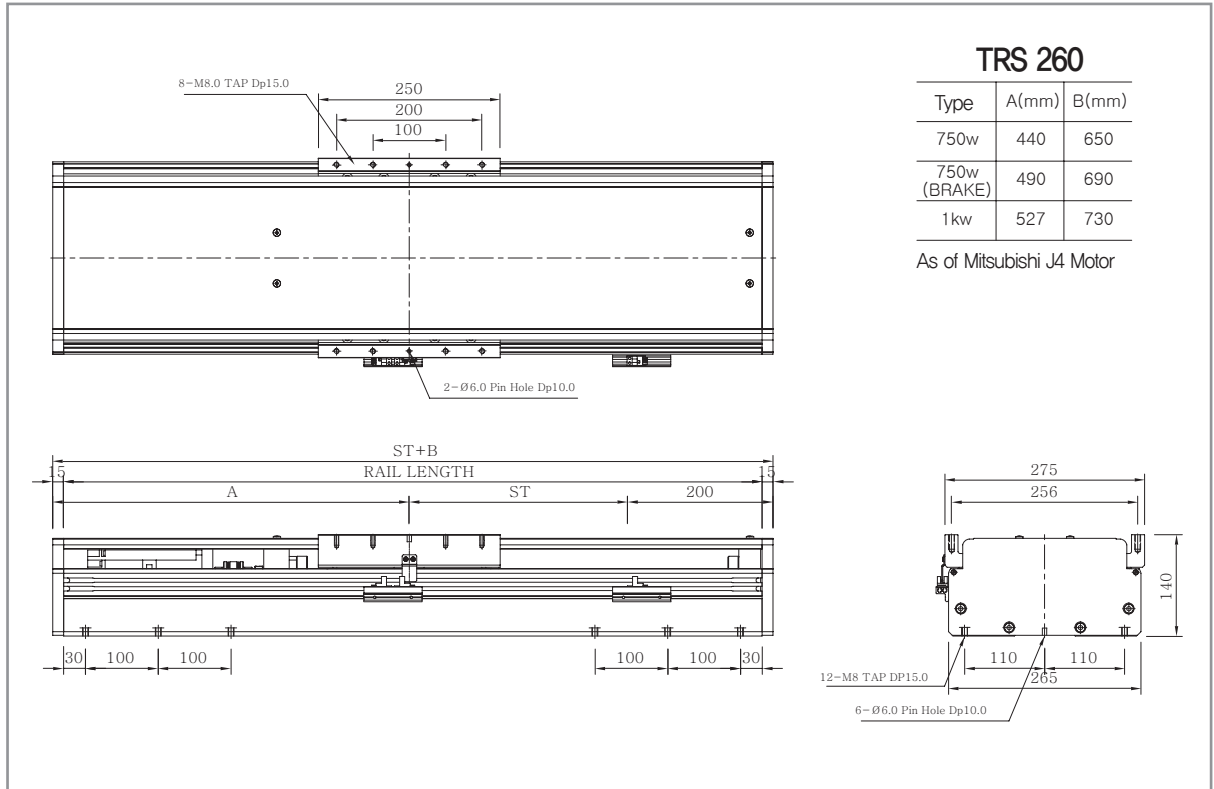
# TRS 260-M

## Basic specifications

Model	Stroke (mm)	Lead (mm)	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal	Vertical
TRS 260-M	50~1400	10	330	1000	400	110
		20	660		350	70

Note: The length of the stroke listed above indicates the standard length for ground type ballscrew. Please contact us for other options not listed above.

## TRS 260-M Dimensions



- Please contact us for a change in sensor or motor options.

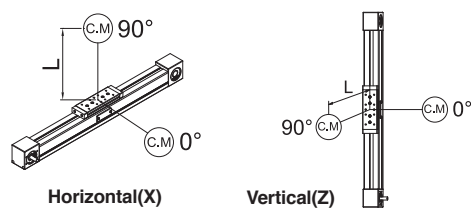
- Customized TAP or PIN Pitch on the bottom is available.

Note: The dimension above is provided for your reference only. For an accurate measurement, please refer to the approved drawing.

## Weight & speed for each stroke

Stroke(mm)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	Lead (mm)	Motor (W)
Weight(kg)	45.5	49.3	53.1	56.9	60.7	64.5	68.3	72.1	75.9	79.7	83.5	87.3	91.1	94.9		
Max. Speed (mm/s)	330											290	250	220	10	1000
	660											580	500	440	20	

## Allowable overhang distance



Direction	TRS 260-L10		TRS 260-L20	
	180kg	100kg	100kg	50kg
Horizontal (X)	0°	350mm	500mm	700mm
	90°	1200mm	2000mm	2200mm
Vertical (Z)	0°	400mm	600mm	900mm
	90°	400mm	600mm	900mm

\* This value is decided based on the lifetime formula of LM guide. (The lifetime of LM is 16,000 hours.)