

Features

- Ultra thin design to save space
- Thin linear motor with high thrust force
- Superior constant and high speed
- Space saving

How to order

PLS 54 - 6N - 30 S1 - 05H - B - P140012-0

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series  
PLS

② Model(unit:mm)  
54 : width of base 54mm  
64 : width of base 64mm  
82 : width of base 82mm

③ Linear motor

Model	5N	25N	40N
PLS54	•		
PLS64		•	
PLS82			•

④ Moving Stroke  
15 : 15mm  
30 : 30mm  
70 : 70mm  
120 : 120mm

Stroke	PLS54-5N	PLS64-25N	PLS82-40N
15	•		
30	•	•	•
70		•	•
120			•

⑤ Moving slide count  
S1 : slider 1pc

⑥ Linear encoder resolving power  
05H : 0.5μm(Square wave signal)

⑦ Color  
Color of anodized surface  
N : None  
B : Black  
W : White

⑧ Customization code

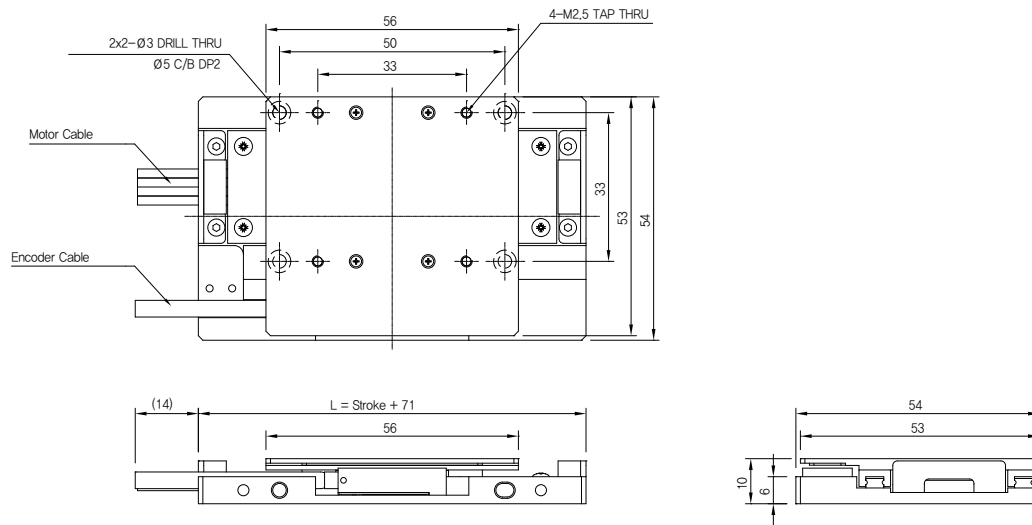
PLS Series Specification

Model	Item number							
	PLS54N15	PLS54N30	PLS64N30	PLS64N70	PLS82N30	PLS82N70	PLS82N120	
Size								
Max thrust force	N	4		25		40		
Thrust force rate	N	0.8	1	7	7	10	10	10
Max payload	kg	0.5	0.5	5	5	5	5	5
Stroke	mm	15	30	30	70	30	70	120
Repetition accuracy	μm	±0.5		±0.5		±0.5		
Resolving power	μm	0.5		0.5		0.5		
Max speed	mm/s	200	300	300	500	300	500	1000

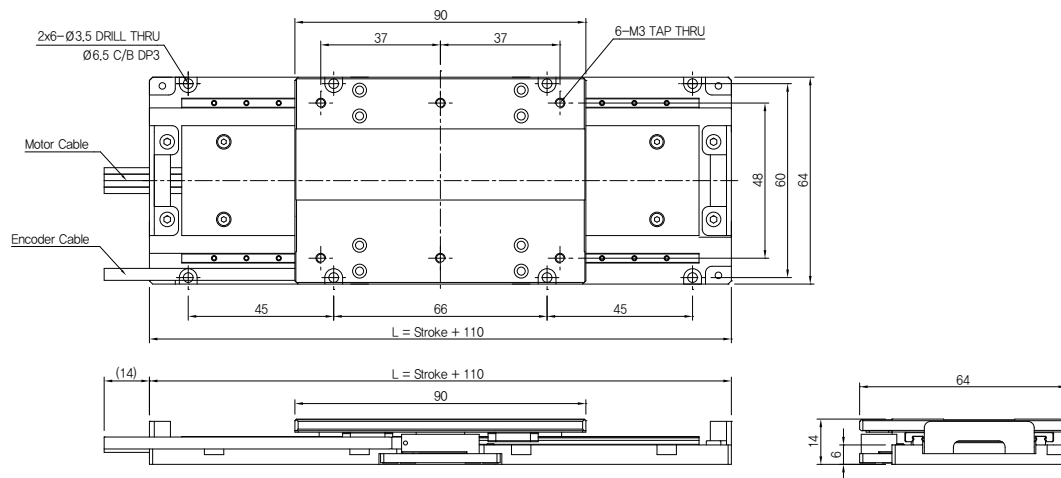
# Ultra thin linear stage

## PLS Series Dimension

### PLS54 Series



### PLS64 Series



### PLS82 Series

