

**Features**

- Saves space
- Optimize for customization
- Stroke (mm) : 45, 120, 200, 275
- Repetition accuracy : under 1μm
- LM guide type
- One side motor option available

**How to order**

**TLR**   **50NI** – **404** – **A0G**   **B** – **P140012-0**

①                      ②                      ③                      ④                      ⑤                      ⑥

① **Series**  
TLR

② **Linear motor**  
50NI : one side motor with max thrust force 50N  
25NI : one side motor with max thrust force 25N

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

③ **Total length(unit : mm)**  
404 : 404mm  
300 : 300mm  
240 : 240mm  
120 : 120mm

④ **Linear encoder resolving power**  
A0G : 1vpp(sinusoidal voltage signal)  
05H : 0.5μm(square wave signal)

⑤ **Color**  
B : Black

⑥ **Customization code**

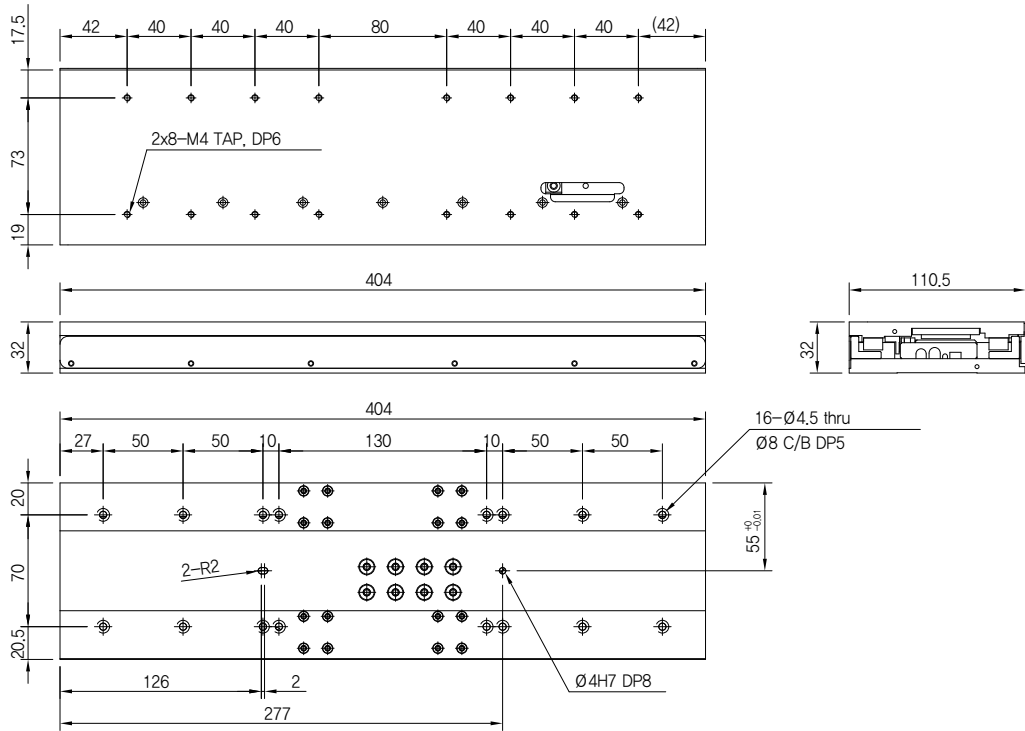
**TLR Series Specification**

Model	TLR-50NI-404	TLR-25NI-300	TLR-25NI-240	TLR-25NI-120
Pay Load	4.2 kg @ Slide	3.0 kg @ Slide	2.3 kg @ Slide	1.5 kg @ Slide
Moving Travel	275 mm	200 mm	120 mm	45 mm
Motor Peak Force	50 N	25 N	25 N	25 N
Resolution	10 nano meter / count			
Mean Position Accuracy (1)	± 2.0 μm / Full Travel (After "error mapping" Condition)			
Repeatability	± 1.0 μm			
Flatness / Straightness	20 um / Full Travel			
Maximum Velocity	500 mm/ sec	400 mm/ sec		
Maximum Acceleration	0.4 G			
Cleaness	Class 100			

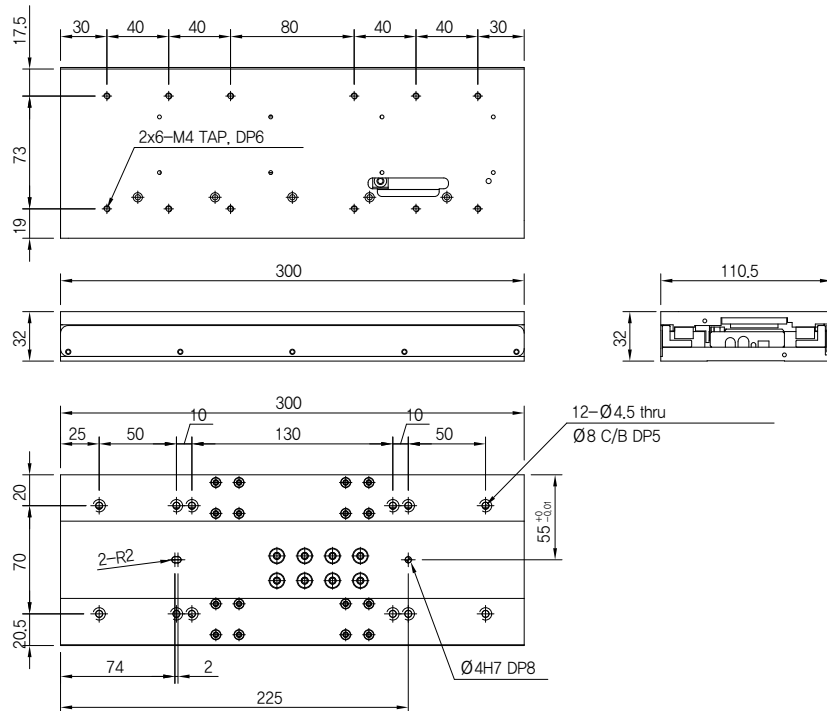
# Compact linear stage

## TLR Series Dimension

### TLR-50NI-404 Series

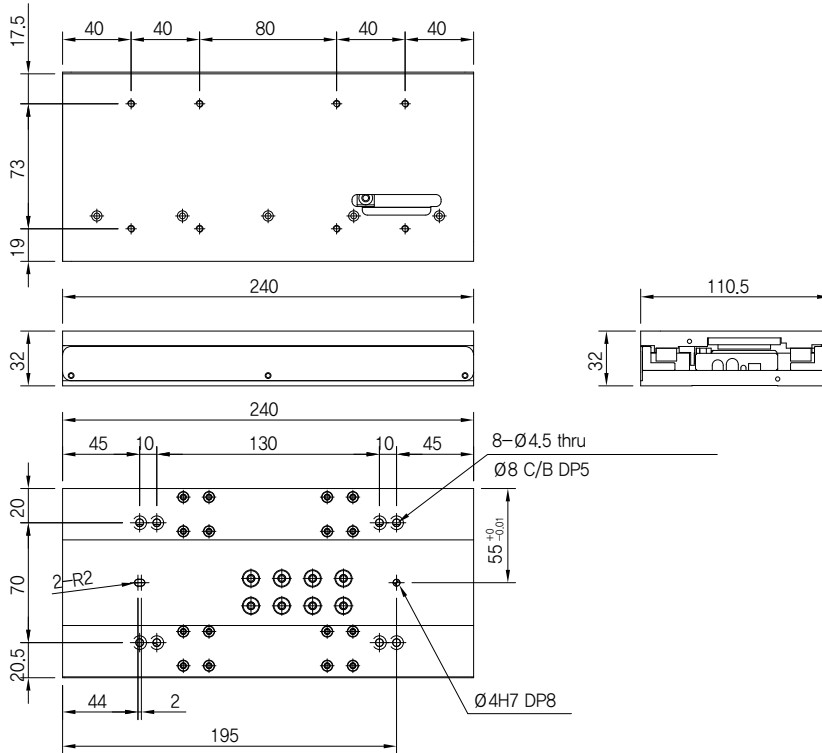


### TLR-25NI-300 Series



PLS Series Dimension

TLR-25NI-240 Series



2) TLR-25NI-120 Series

