

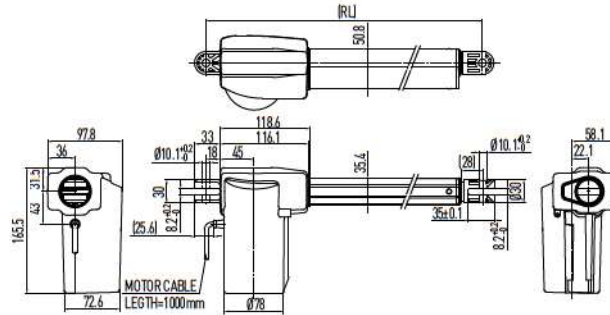
# Linear Actuator

## 4-4. HIWIN LAN Series (4)

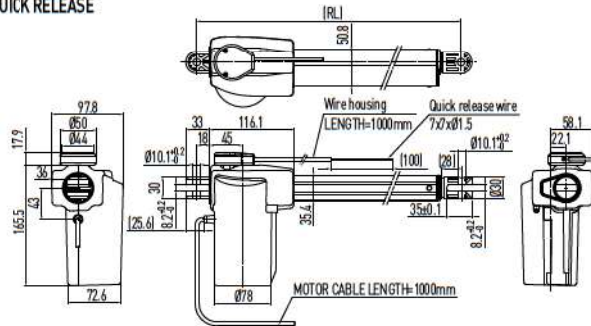
LAN5



- LAN5-1  
RL = S+163  
Stroke ≤ 200  
RL: Retracted length  
S: Stroke length
- Other spec.  
RL = S+163  
Stroke ≤ 250  
RL = S+213  
Stroke = 300  
RL: Retracted length  
S: Stroke length



### QUICK RELEASE



### Quick release function:

- (1) The quick release cable can be pulled while the load on actuator under 100N.
- (2) When the quick release is activated, the actuator must have a load over 700N to ensure the actuator runs inwards.
- (3) After quick release activated, it may be necessary to run the actuator inwards.

Table 4.9 Specifications

Screw type	ACME
Weight*	1.96kg
Protection	IP54
Compatible controller	Compatible with all kinds of controller (*Notice the type of connector: Audio/DIN 4PIN)
Working temp.	+5°C~40°C

\* Stroke length 200mm

### Option:

- |                                   |   |   |
|-----------------------------------|---|---|
| (1) Hall Sensor                   | (4) Back fixture turned 0°, 45°, 90°, 135°  | (7) UL version (Only 24VDC Motor)                 |
| (2) Safety nut                    | (5) IP65, IP66                              | (8) Plug: DIN 4PIN plug / Stereo plug / Mono plug |
| (3) Mechanical Spline (push only) | (6) Quick release (For LAN5-3, LAN5-4 only) |   |

Table 4.10 Position feedback specifications (Hall Sensor)

Supply voltage	24VDC	12VDC	5VDC
Output	High level 24VDC Low level 0.2V / 10mA sink (NPN)	High level 12VDC Low level 0.2V / 10mA sink (NPN)	TTL

Table 4.11 LAN5 Specifications

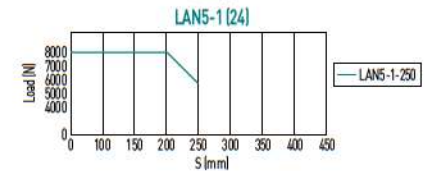
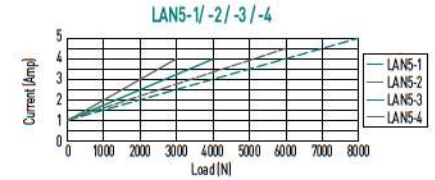
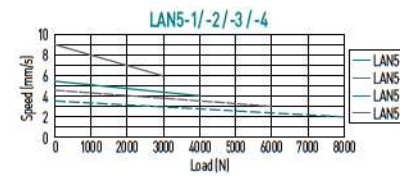
Model	Thrust max. (N)	Pulling max. (N)	Holding max. (N)	Speed (mm/s) Load = Max. / Load = 0	Standard stroke (mm) : S				Duty cycle %	Current max. (A) 24VDC	Hall Sensor Resolution (mm/pulse)
					100	150	200	250			
LAN5-1	8000	4000	6000	2 / 3.5	100	150	200		10	5	0.08
LAN5-2	6000	4000	5000	3 / 4.5	100	150	200	250	10	4.5	0.10
LAN5-3	4000	3000	4000	4 / 5.5	100	150	200	250	300	4	0.14
LAN5-4	3000	2000	1500	6 / 9	100	150	200	250	300	4	0.22

\* When the stroke of LAN5-1 is between 250mm and 300mm, refer to the diagram on the right for max. load.

\* LAN5-4 24V Quick release Holding max. 1000N

\* LAN5-3 24V Quick release Holding max. 3000N

\* Min. input power = Voltage x Current max.



\* Note: The test results are obtained by using the 24VDC power supply.

Table 4.12 LAN5(24Q) Specifications

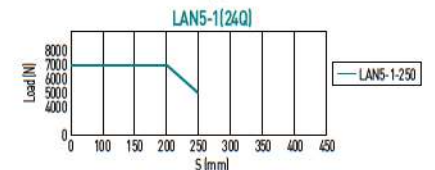
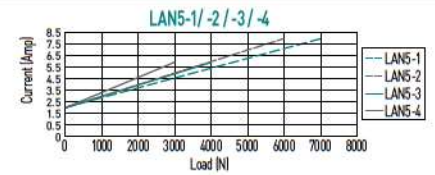
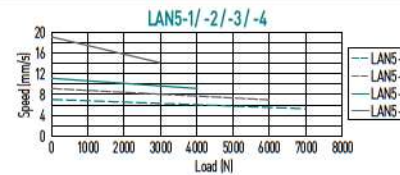
Model	Thrust max. (N)	Pulling max. (N)	Holding max. (N)	Speed (mm/s) Load = Max. / Load = 0	Standard stroke (mm) : S				Duty cycle %	Current max. (A) 24VDC	Hall Sensor Resolution (mm/pulse)
					100	150	200	250			
LAN5-1	7000	4000	6000	5 / 7	100	150	200		10	8	0.08
LAN5-2	6000	4000	5000	7 / 9	100	150	200	250	10	8	0.10
LAN5-3	4000	3000	4000	9 / 11	100	150	200	250	300	6	0.14
LAN5-4	3000	2000	1500	14 / 19	100	150	200	250	300	6	0.22

\* When the stroke of LAN5-1 is between 250mm and 300mm, refer to the diagram on the right for max. load.

\* LAN5-4 24Q Quick release Holding max. 1000N

\* LAN5-3 24Q Quick release Holding max. 3000N

\* Min. input power = Voltage x Current max.



### Ordering Information

LAN5 - 11 - 1 - 200 - 24 G E

Model number	Force direction	1: Basic model complete with internal limit switches	Stroke length	Voltage	Color	Special models according to the customer's requirement (Ignore this part of the serial number if not available)
	1: Standard 2: Suspending install, pull			24: Standard motor 24Q: Fast motor	B: Black G: Gray	