

L3147.D

MANUAL POSITIONING STAGES

Material

Aluminium body (anodised), with die cast zinc end plates. Steel lead screw with bronze nut. Stainless steel dust cover (AISI 304).

Technical Notes

Uses a 14 trapezoidal lead screw with 3mm

pitch.

Rigid, economical and light-weight.
Can be used as a single in series, or a
single or double unit in parallel,
(connected via pulleys and belt drive).
Ideal for slide adjustment on conveyors,
fixtures, packing machines etc.

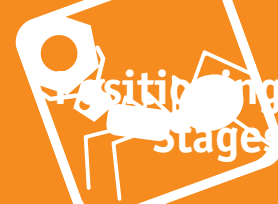
Tips

Often used in conjunction with one touch lock spindles, position indicators, hand-wheels etc.

Order No.	Travel I_1	I_2	Weight kg
L3147.D150	150	455	2.4
L3147.D100	100	355	2.4

Lead Screw Driven Stages

End of travel and home switches



Limit and position switches:

End of Travel and/or Home Position switches can be installed onto these linear stages – please see the drawings of the brackets that attach to the stages that result from this requirement.

The End of Travel switch kit comes with two switches mounted to the base at each end – there are two flags mounted to the carriage. These flags are adjustable for either the full range of travel or a limit amount.

The Home Position switch comes with one flag mounted to the base in the centre – with an adjustable flag mounted to the carriage, allowing the home position to be set at any point.

The switches are photoelectric sensors that operate on a supply voltage of 5 to 24V DC. The repeatability is 5 microns, the response time is 100 microseconds. The sensors are available in both NPN and PNP outputs.

Quick fitting hook up cable (3 metres) provided.

Part no.	Order no.	Ls ₁	Ls ₂
L3141 Lead screw driven stage - Size 1 	L3141.025	50,8	38,1
	L3141.050	76,2	63,5
	L3141.075	101,6	88,9
	L3141.110	152,4	139,7
L3142 Lead screw driven stage - Size 2 	L3142.025	57,2	41,3
	L3142.038	76,2	60,3
	L3142.050	88,9	73,0
	L3142.075	108,0	92,1
	L3142.100	152,4	136,5
L3143 Lead screw driven stage - Size 3 	L3143.025	76,2	60,3
	L3143.050	101,6	85,7
	L3143.075	127,0	111,1
	L3143.100	152,4	136,5
	L3143.150	228,6	212,7
	L3143.200	279,4	262,5
	L3143.250	330,2	314,3
	L3143.300	381,0	365,1