

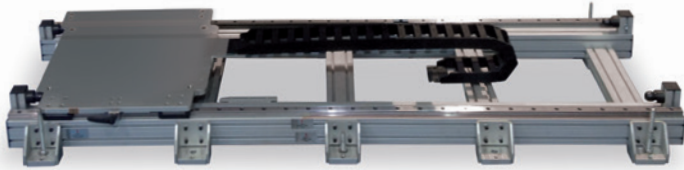
Linear Floor Slides - Light Duty

AL-4600 - AL-4700 Series

The AL-4600/AL-4700 series light duty floor slide positioners offer accurate linear motion for additional positioning of devices under test during antenna design and development. A slide in this series can support vertical loads up to 1500 lbs (680 kg). Their rugged and straight-forward construction ensures maximum reliability and trouble-free operation.

Typically, the primary components include a modular aluminum structure, a bearing-based carriage, precise linear bearings, bumpers, an indicator scale, and mounting supports.

AL-4620-1 Manual



AL-4710-1



Applications

- Linear Motion of Antenna Positioner Assemblies
- General Purpose Linear Test and Measurement Systems

Product Highlights

- Manual & Motorized Models
- Vertical Loads Up to 1,500 lbs (680 kg)
- Precision Linear Bearings
- Rigid, Durable Mechanical Construction
- Low Deflection
- Manual: Includes Hand-brake
- Motorized: Includes DC Motor, Gear Reduction, Synchro/Encoder Assembly & Limit Switch Assembly
- Custom Lengths Available

Supplied accessories


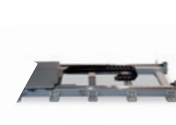

Digital Documentation Set

User Manual (Installation, Setup, Operation)

Options

- EN001 - Standard Accuracy, Rotary Incremental
- EN004 - Standard Accuracy (EnDat® format), Rotary Absolute

Specifications - AL-4600 and AL-4700 Series Light Duty Linear Floor Slides

PARAMETER	UNITS	POSITIONER MODEL			
					
		AL- 4610-X Manual narrow cross section	AL-4620-1-X Manual	AL-4710-1-X Manual	AL-4711-1-X Motorized

OPERATIONAL

Travel ⁽¹⁾	ft	6 to 16	6 to 16	2 to 32	2 to 32
	m	2 to 5	2 to 5	0.6 to 10	0.6 to 10
Vertical Load	lbs	880	880	1,500	1,500
	kg	400	400	680	680
Fore-Aft Bending Moment	ft-lbs	722	2,170	3,250	6,150
	kg-m	100	300	450	850
Side Bending Moment	ft-lbs	722	2,170	3,250	6,150
	kg-m	100	300	450	850
Motor Drive Power	hp	–	–	–	1/8
Nominal Speed	in/sec	–	–	–	5
	mm/sec	–	–	–	125
Standard Angle Transducer Format		–	–	–	Encoder
Data Take-Off Accuracy (RMS)	in	–	–	–	0.008
	mm	–	–	–	0.2
Repeatability	in	–	–	–	± 0.002
	mm	–	–	–	± 0.05

PHYSICAL

Weight (approx.)	lb	77/ft	43/ft - 45	53	60
	kg	35/m	64/m - 20	78	90
Width	in	11.8	26	30.3	30.3
	mm	300	660	770	770
Height	in	6.9	7.7	9	10.6
	mm	175	196	230	270

OPTIONS

EN001	Incremental Encoder Accuracy (RMS)	in	–	–	–	0.01
		mm	–	–	–	0.3
EN004	Absolute Encoder Accuracy (RMS)	in	–	–	–	0.01
		mm	–	–	–	0.3

⁽¹⁾ For other linear travel ranges, please consult your MVG-Orbit/FR Sales or technical contact.



Contact your local sales representative for more information
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www.mvg-world.com/positioners