



Product Information

Universal linear module with positioning system,

testing and evaluation software



The linear module is to use for tests of rotary doors, sliding doors, roller doors, filing cabinets and drawers acc. to EN 1727, EN 1335, EN 14074, EN 68885. It is suitable also for the roll test in acc. to BIFMA/ANSI X5.1 and ES 1038 and can be operated with or without obstacles at seating furniture, containers or roller desks. (load on the central column of the chair: 136 kg, covered distance 762 mm, 9+/-1 cycles per minute)

- absolute way measuring system parallel to the movement of the carriage
- loads up to 500 N
- loading cell 5 kN (on request)
- toothed belt-driven linear module, carriage roller guided, pre-tensionable
- parameters load, position, speed, number of cycles and break time are to be programmed freely by the extensive testing and evaluation software of the complex control device (software not included)

consisting of

- servo-electric controlled actuator module with stroke 1000mm (different stroke on request)

Technical data

field of application	Suitable for static, increasing or dynamic load of the test pieces in development and quality control during batch production	
test objects	tables, cabinets, shelves, desks, chairs, armchairs, drawers, fittings	
system configuration	test rig (loads with horizontal direction) to act in combination with: PC for programming, visualization and evaluation	
parameter limits	loads:	up to 500 N (on request)
	distances:	up to 1.000 mm (on request)
	speed:	up to 0,5 m/s (on request)
	number of cycles:	1 – 500,000
	single cycle times:	0.5 – 600 seconds
special features	<ul style="list-style-type: none"> • variety of fastening parts, grips and load pads available • the linear module is applicable to different test tasks, for example pull test at drawings, roll test with containers or opening and closing of cabinet doors 	
input control unit	3P/PE/400V/ 50Hz	
dimensions of test rig	3600 x 1200 x 2100(length x width x height)	
weight	400 kg	
optional accessories	<ul style="list-style-type: none"> • Controller AC 900W with hand panel for high-precision positioning • accessories for testing acc. ES1058, BIFMA X5.1 (Threshold Test) and EN1335-3:2009 (determination of rolling resistance) • weights for threshold tests acc. ES1058, BIFMA X5.1 • adapter for drawer test • PC, TFT • Furniture testing software 	

Possible use of linear module:



Threshold test for rollers



Drawer testing

Your contact person: