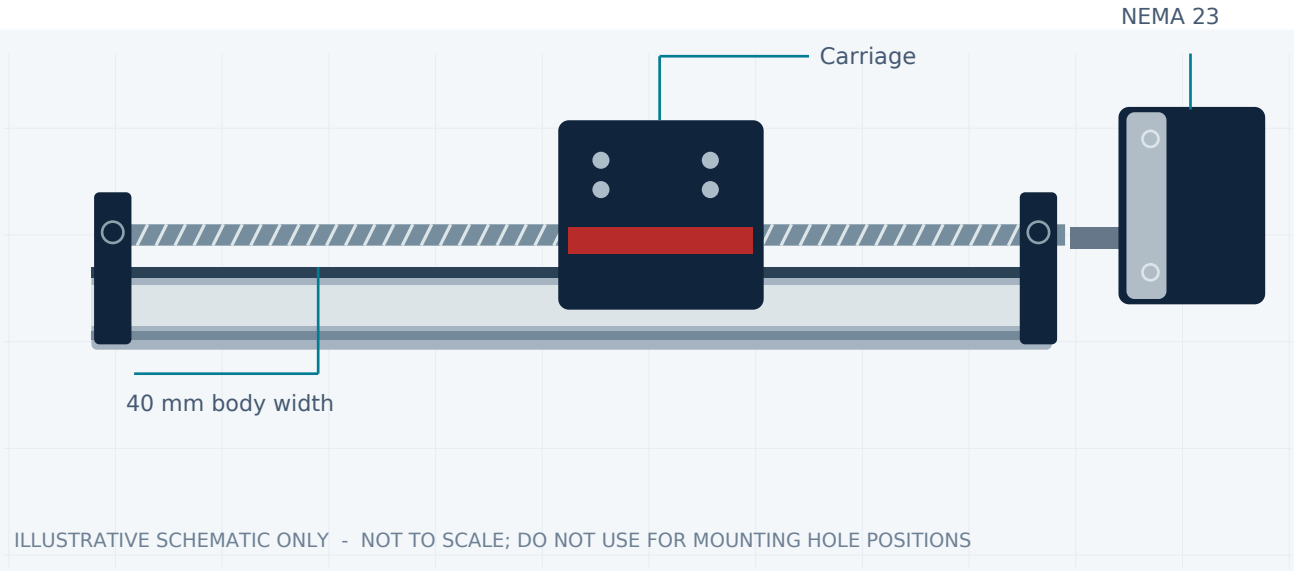
PRODUCT SPECIFICATION / SOURCE-CHECKED

FSL40 Ball-Screw Linear Stage

Table-type linear motion guide actuator, with NEMA 23 stepper motor (G1610 variant highlighted).



01 Configuration at a glance

40 mm	50-1000	G1610
Nominal body width	Effective stroke (mm)	16 mm screw / 10 mm lead

Construction: open single-guide/single-carriage aluminum assembly driven by a ball screw; manufacturer describes the unit as not water- or dust-protected. Applications: positioning, dispensing, inspection, automated handling and light CNC/automation.

MANUFACTURER TECHNICAL DATA

Mechanical & Performance Data

Dimensions are in millimeters unless stated otherwise. Published values may depend on lead, stroke, motor and test conditions.

02 Selection table - compare screw variants

Parameter	G1204	G1605	G1610
Screw diameter	12 mm	16 mm	16 mm
Screw lead	4 mm	5 mm	10 mm
Max. horizontal load	25 kg	25 kg	20 kg
Max. vertical load	15 kg	15 kg	10 kg
No-load speed	100 mm/s	180 mm/s	255 mm/s
Full-load H speed	80 mm/s	150 mm/s	230 mm/s
Full-load V speed	40 mm/s	90 mm/s	50 mm/s
Maximum thrust	471 N	376 N	188 N

Acceleration: 500 mm/s² (table-wide value). The G1610 column is relevant to the specific seller listing. These are catalog values, not load limits verified for an arbitrary assembled system.

03 Envelope dimensions - standard 57 x 56 mm motor

L + 143 mm
Rail/body length

L + 199 mm
Overall length incl. 57 x 56 motor

L = effective stroke. Base section width 40 mm; published overall stage height 80 mm. The L + 199 mm assembled length is also shown by the user guide and an earlier manufacturer dimensional schedule. Motor mount version and specific hole coordinates require confirmation.

04 Reference length by effective stroke

STROKE	BODY	FULL	STROKE	BODY	FULL	STROKE	BODY	FULL
50	193	249	**300**	443	499	**600**	743	799
100	243	299	**350**	493	549	**700**	843	899
150	293	349	**400**	543	599	**800**	943	999
200	343	399	**450**	593	649	**900**	1043	1099
250	393	449	**500**	643	699	**1000**	1143	1199