



Main

Range of product	Lexium TAS
Product or component type	Linear table
Product specific application	For 1 direction
Load position	On carriage
Drive type	Ball screw
Guide type	Twin ball

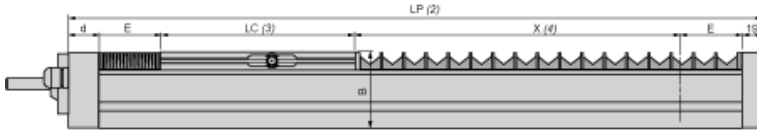
Complementary

Operating position	Horizontal
Function available	Different types of motor mounting
Distance per revolution	16 mm
Diameter	16 mm for ball screw
Axial backlash	0.04 mm for ball screw
Operating force	<= 2660 N for Fy <= 6285 N for Fz positive <= 3140 N for Fz negative <= 1080 N for Fx
Maximum speed	0.8 m/s
Acceleration	<= 6.4 m/s ²
Max. drive torque	<= 3.4 N.m
Max. torque	<= 110 N.m for Mx <= 190 N.m for My <= 160 N.m for Mz
Min. ... Max. stroke	9...1000 mm
Repeat accuracy	+/- 0.02 mm
Outer dimension	150 x 54 mm
Service life	10000 km

Contractual warranty

Warranty period	18 months
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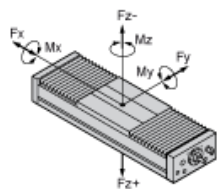
Dimensions



- (2) LP : total length of axis. Length rounded down to the nearest whole number. Using the example of a Lexium TAS 41 linear table and a desired stroke of
- (3) LC : length of carriage
- (4) X : stroke, depending on application

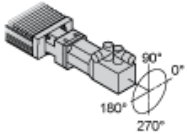
B		d		E		LC		LP
mm	in.	mm	in.			mm	in.	
70	2.75	28	1.10	= (LP - 227 mm / 8.94 in. - X)/2		180	7.09	= 278 mm / 10.94 in. + (X multiplied by 1.21106)

Forces and Torques Exerted on the Lexium TAS Linear Table

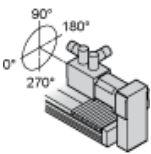


Possible Types of Interface for the Drive Element and Motor Orientations

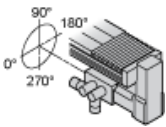
Motor in the Table Axis, Driven Directly



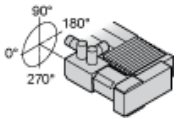
Motor Above Table, Driven by Belt



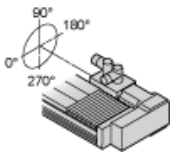
Motor Below Table, Driven by Belt



Motor to Left of Table, Driven by Belt



Motor to Right of Table, Driven by Belt



With Shaft (Without Connection, Without Motor)

