

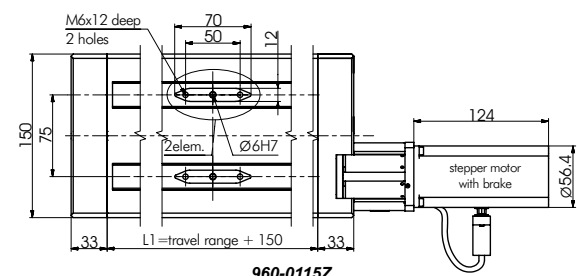
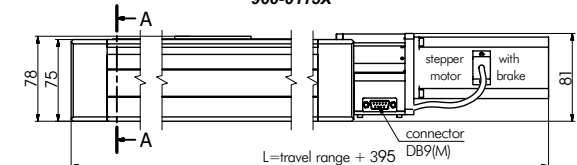
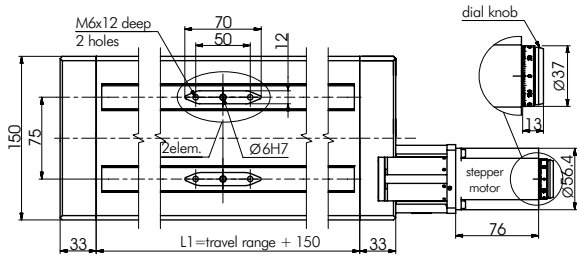
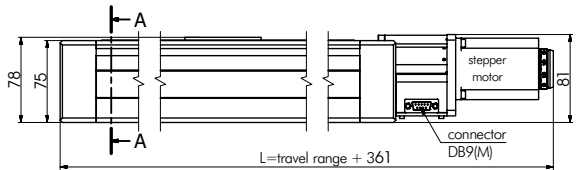
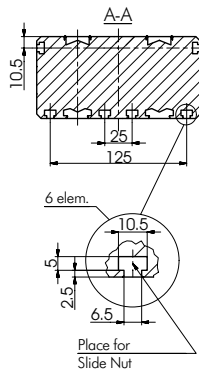
# 960-0115 LONG-TRAVEL MOTORIZED LINEAR STAGES



960-0115 stages are designed to provide high-speed movement. Standard motors allow moving loads up to 60 kg. Load capacity can be increased using more powerful motors. This stage provides moderate resolution and accuracy. 960-0115 stages are supplied equipped with platform, base plates (2 pc) and appropriate amount of inserts.

Resolution and speed of 960-0115 stages can be varied choosing appropriate ball screw pitch. Several standard options are available and should be specified upon ordering.

For applications requiring vertical Z axis movement, we suggest using stages with brake mounted on motor, to prevent carrier sliding down when motor current is turned off. Ordering code of Z stages is 960-0115Z.



**SPECIFICATIONS**

Travel range	340...2840 mm
Lead screw pitch	2.5/4/5/10 mm
Resolution:	
in full step*	12.5 µm
in 1/8 step*	1.57 µm
Max. speed*	40 mm/s <i>on request we fit alternative motors</i>
Load capacity:	
Horizontal	60 kg
Vertical	10 kg
Motor connector	DB9(M)
Stepper motor	
<b>960-0115X</b>	5918
<b>960-0115Z</b>	5918-B
Mechanical end limit switches	2
Switch polarity	pushed is open

- \*Test condition:**
- Lead screw pitch – 2.5 mm;
  - Stepper motor: 2 phase bipolar wiring; phase resistance 2.4Ω; 200 steps per revolution; step angle – 1.8°; current – 1.5A;
  - 980-0030 controllers;
  - Power supply – 36 V.

- RECOMMENDED CONTROLLERS**
- 980-0040-USB  
*see page 8.189*
  - 980-0030-RS232  
*see page 8.188*

**ORDERING INFORMATION**

**960-0115-XXX-X**

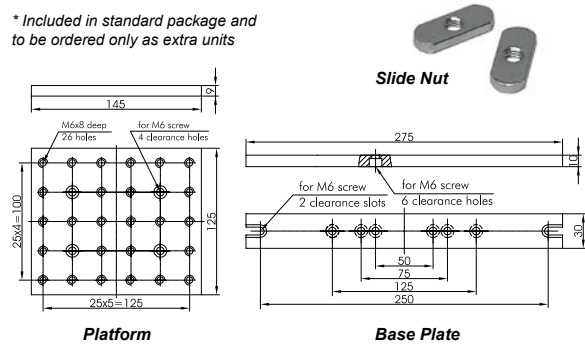
Travel range\*\* 340...2840 mm      Lead screw pitch 2.5 / 4 / 5 / 10 mm

Examples of codes	travel range*	lead screw pitch
<b>960-0115-340-2.5</b>	340 mm	2.5 mm
<b>960-0115-540-4</b>	540 mm	4 mm
<b>960-0115-740-5</b>	740 mm	5 mm
<b>960-0115-840-10</b>	840 mm	10 mm

\*\* Possibility to order standard travel range with 100 mm-grid space

**Accessories for 960-0115 series\***

\* Included in standard package and to be ordered only as extra units



OPTICAL TABLES  
BRACKETS & RAILS  
BASE MOUNTS & ACCESSORIES  
OPTICAL MOUNTS  
OPTICAL POSITIONERS  
BASE POSITIONERS  
TRANSLATION & ROTATION STAGES  
ADJUSTMENT SCREWS  
MOTORIZED POSITIONERS