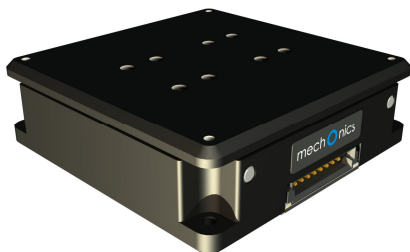


NDS 40**Miniature Translation Stages with piezo electric inertial drive for NOVA system****Technical Data**

Travel:	11 mm
Max. speed:	1.5 mm/s
Mass:	70 g
Electrical connector:	8pin SRC-MiniBridge

Load characteristics

Max. load	
M_x, M_y, M_z	0.5 Nm
F_x (blocking force)	4.5 (5) N
F_y, F_z	30 N

Resolution (calculated)

Single step	~ 450 nm
1/64-step	~ 10 nm

Guidance accuracy (without load)

Yaw angle	< 20 arc sec
Pitch angle	< 60 arc sec
Vertical deviation	< 1 μ m
Lateral deviation	< 2 μ m

Specifications

- Piezo driven step motor with low hysteresis
- holds reached position without current
- step width about 20 nm
- positioning accuracy better than 50 nm
- velocity up to 1.2 mm/s
- only open-loop application
- xy combinations
- CNC-machined aluminium body
- precision ball bearing guides
- no limit switches necessary
- vacuum preparation optionally
- customized designs possible
- driven by NOVA controller (NC.00x.x000)

Application Examples

- Micro-/Nano Technology
- Bio Technology
- Microscopy
- Quality Control
- Metrology
- R & D

Miniature Translation Stage NDS 40 NOVA**Part no.****NDS.040.11□0**

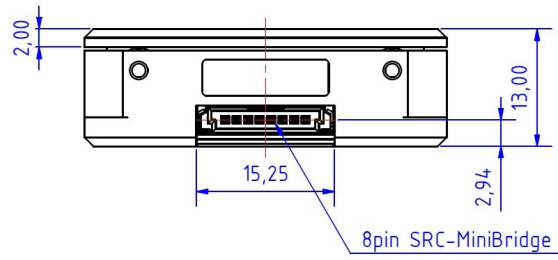
	0	6	9
Vacuum	no	10^{-6}	10^{-9}

Remarks:

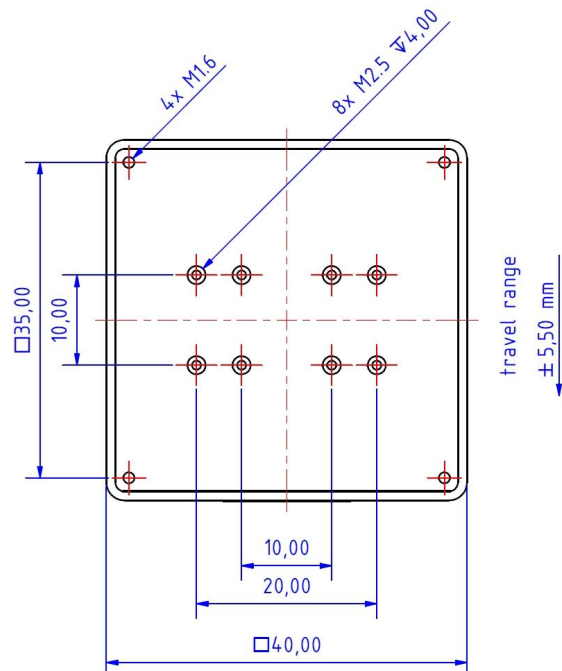
Vacuum application is possible only without electrical circuit. You need the electronic module NDEM 3 as driving unit.

NDS 40, 11 mm travel

Front view:



Top view:



Rear view:

