

Mini Rail System Ball Slide Positioners

7T8-01 • 7T8-02



7T8-01



7T8-02

The Mini Rail System Ball Slide Positioners **7T8-01** and **7T8-02** have travel range of **5 mm**. Using a micrometer driving screw mounted into **M10x1** tapped hole, resolution of **10 µm** is achieved. Positioners have clamps for mounting onto Steel Optical Rail System rails and can be locked in position using a fixing screw. With help of Rail Carriers the Mini Rail System Ball Slide Positioner **7T8-01** can be coarsely positioned in a range of **30 mm**. Two **7T8-01** and one **7T8-02** can be stacked to X-Y-Z directly. Article **Optical Rail System 10ORS6** provides examples of use of 7T8-01 and 7T8-02 positioners (page 10-17).

SPECIFICATIONS

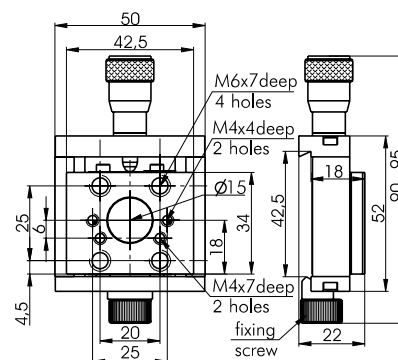
Precision travel range	5 mm
Rough XY travel range	±20 mm
Sensitivity	1 µm
Tracking accuracy	2 µm
Reading accuracy	5 µm (half division)
Load capacity:	
Horizontal	3 kg
Vertical	1 kg
Weight:	
7T8-01	0.18 kg
7T8-02	0.23 kg

Optical Rails **2OR6-55** or **2OR6-55T** can be used as base plates for stacking translation stages **7T8-01** and **7T8-02** to STANDA optical tables or to other stages.

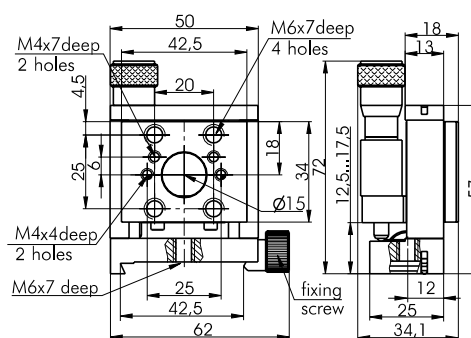
7T8XYZ



You may stack the stages for X-Y-Z applications directly, **without screws**. Default base plate choice for **7T8XYZ** is **2OR6-55** or **2OR6-55T** optical rail.



7T8-01



7T8-02



Steel Optical Rail
2OR6-55T

Steel Optical Rail
2OR6-270

2OR6-55
Steel Optical Rail

Vertical Translation Stage
7T8-02

Mounting Post
3MP

Post Holder
3PH

Base Plate
3BP4-02



Optical Tables	1
Brackets & Rails	2
Base Mounts & Accessories	3
Optical Mounts	4
Optical Positioners	5
Base Positioners	6
Translation & Rotation Stages	7
Motorised Positioners & Controllers	8
Fine Adjustment Screws	9
Opto-Mechanics & Sets	10
Light Test & Measurement Instruments	11
Lasers & Laser Accessories	12

Aluminium Translation Stages Narrow (30 mm)

7T173

- 10, 20, 50 mm travel ranges
- Optional travel: 5, 6, 25, 30 mm
- Stackable for compact X-Y-Z configuration
- Custom angle brackets are made promptly
- Driving micrometer screw
- Precise ball bearing
- Material: black anodized aluminium



7T173-10



7T173-20



7T173-20-50

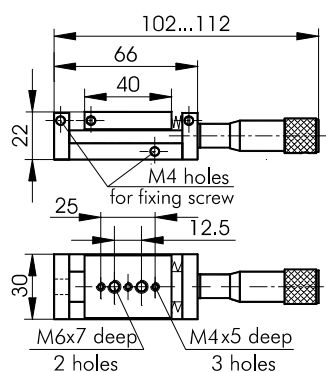
Stages **7T173** provide manual linear motion.

Our standard micrometers **9S75M** are used as driving screws. Customer may specify other screws, e.g. with non-matching travel range to save space.

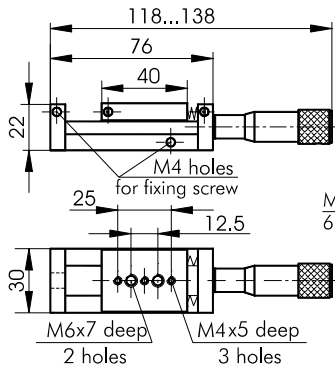
A platform is spring preloaded against the driv-

ing screw to provide high resolution, low backlash, smooth and accurate motion.

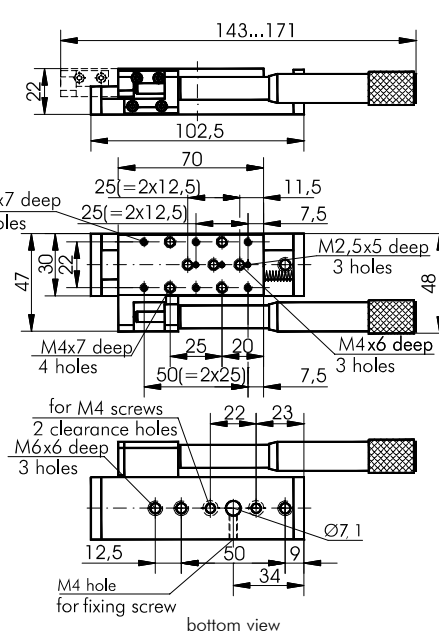
An array of mounting holes on a platform and on a base provide a variety of convenient mounting options, including mounting on **3MP** series **Posts**.



7T173-10



7T173-20

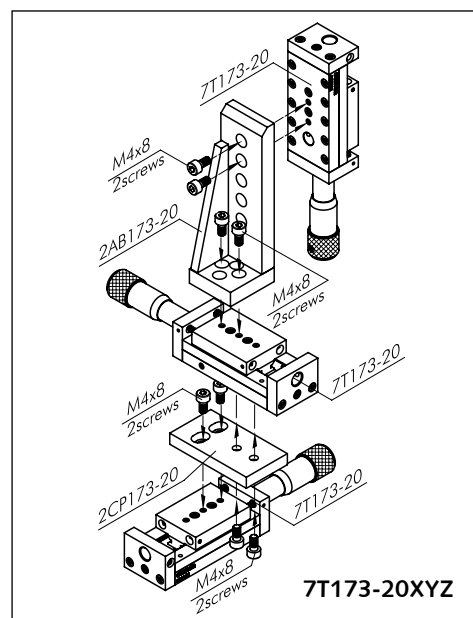


7T173-20-50

SPECIFICATIONS	7T173-10	7T173-20	7T173-20-50
Travel range	10 mm	20 mm	50 mm
Sensitivity	1 µm	1 µm	1 µm
Tracking accuracy	2 µm	2 µm	2 µm
Reading accuracy	5 µm	5 µm	5 µm
	(½ division)	(½ division)	(½ division)
Load capacity:			
Horizontal	10 kg	10 kg	10 kg
Vertical	5 kg	5 kg	5 kg
Weight	0.16 kg	0.2 kg	0.31 kg
Assemblies:			
X-Y	2CP173-20	directly	
Z	2AB173-20	2AB173-20-50	

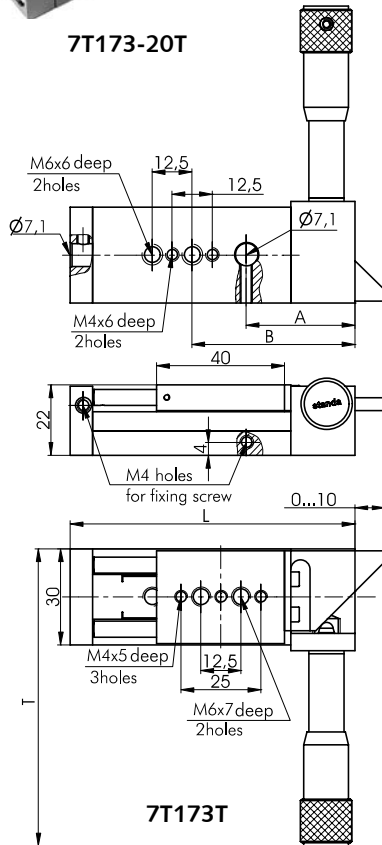
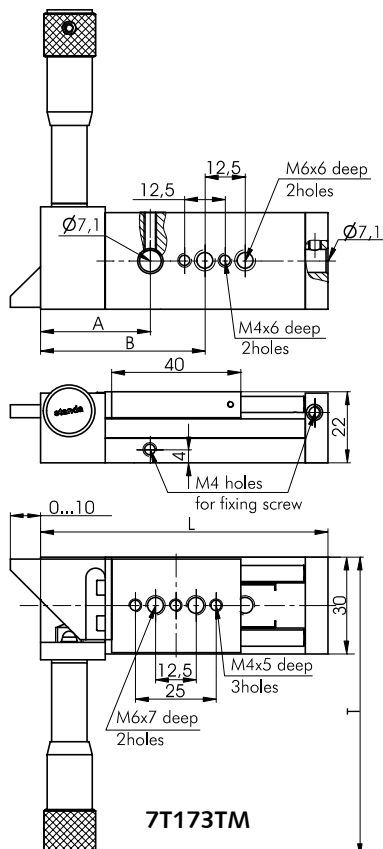


2CP173-20
connecting plate for stacking
the narrow stages in X-Y motion



7T173-20XYZ

Side Control Linear Stages

7T173T**7T173-20T****7T173T****7T173TM**

- 10, 20 mm travel ranges
- Side Control Linear Stage
- Driving micrometer screw
- Precise ball bearings
- Compact XYZ configuration with all screws from one side
- Right Hand 7T173TM and Left Hand 7T173T versions are available

Side control linear translation stages are equipped with **9S75M series micrometer screws** and provide convenient control in limited space setups. Both **left-hand (7T173T series)** and **right-hand (7T173TM series)** versions are available. These stages can be used in multi-axis combinations and are compatible with **7T173 series stages**. In dense optical schemes with limited access to multi-axis stages you have a possibility to control all three axes from one side.

Model	A, mm	B, mm	L, mm	T, mm
7T173-10T	31	46	79	67-77
7T173-10TM	31	46	79	67-77
7T173-20T	34	51	89	74-94
7T173-20TM	34	51	89	74-94

SPECIFICATIONS

	7T173-10T 7T173-10TM	7T173-20T 7T173-20TM
Travel range	10 mm	20 mm
Sensitivity	1 μ m	1 μ m
Tracking accuracy	2 μ m	2 μ m
Reading accuracy	5 μ m ($\frac{1}{2}$ division)	5 μ m ($\frac{1}{2}$ division)

Load capacity:

Horizontal	10 kg	10 kg
Vertical	5 kg	5 kg
Weight	0.18 kg	0.23 kg

Assemblies:

X-Y	2CP173-20
Z	2AB173-20

*Similar Products***7T273-10T****7T164-10T**

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7Motorised
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Sets
10Light Test &
Measurement
Instruments
11Lasers &
Accessories
12

Narrow Translation Stage

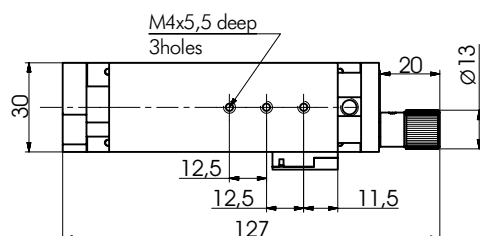
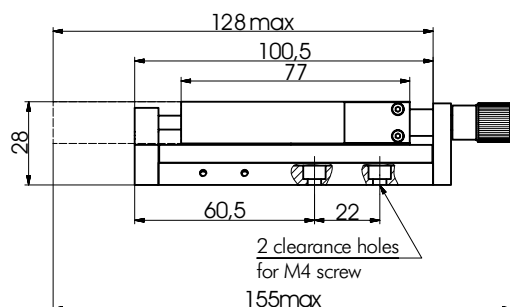
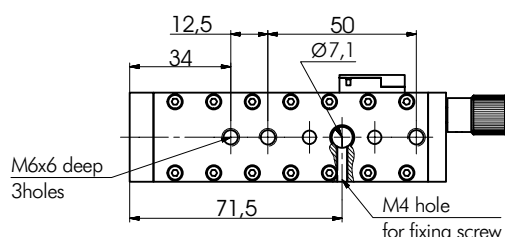
7T30-50



new

- 50 mm travel range
- Precise ball bearing
- Narrow and low-profile
- Lead screw pitch 0.25 mm
- Stackable compact X-Y-Z configuration

Narrow translation stage 7T30-50 is a manual modification to the newly developed **motorized stage 8MT30-50**, which incorporates all the improvements and modifications implemented since its predecessor 8MT173-20-50 was launched. **7T30-50** boasts possibility to operate in any orientation, which means that the stage can be hung upside-down or be operated vertically with platform facing upward or downward. Durability of stage was taken seriously into consideration and now you can apply grease directly to the screw without disassembling the stage. **Vertical load capacity** is increased to **5 kg**. Stage is **spring preloaded to eliminate backlash**. Design of 7T30-50 ensures more stable and precise motion over full translation range. An array of mounting holes on a platform and on a base allow a variety of convenient mounting options, including mounting on 3MP series Posts. For **vertical (Z axis)** mounting we offer **angle bracket 2AB173-20-50**. Angle brackets of custom design can be manufactured on request. **Body** and **platform** of **7T30-50** are made of **black finished aluminum**. **Functional parts** are made of **steel**.



SPECIFICATIONS

Travel range	50 mm
Sensitivity	2.5 μm
Tracking accuracy	2 μm
Lead screw pitch	5 mm
Load capacity:	
Horizontal	10 kg
Vertical	5 kg
Weight	0.25 kg
Assemblies:	
X-Y	2CP173-50-20
Z	2AB173-20-50



3UBP-04

Universal Base Plates are designed for attaching translation stage to STANDA optical tables or to another stages



2AB173-20-50

Angle Bracket is used to fix stages in Z configuration

2CP173-50-20

connecting plate for stacking
the narrow stages in X-Y motion

*Motorized
version*



8MT30-50
page 8-8

Aluminium Translation Stages Medium Width (50 mm)

7T175

7T175-50

7T175-100

7T175-150

- 50, 100, 150 mm travel ranges
- Stackable for X-Y-Z configuration
- Custom angle brackets we make promptly
- Convenient patterns of mounting holes
- Precise ball bearings
- Material: black anodized aluminium

7T175-50 uses **9S75M** micrometer as a driving screw. The platform is spring preloaded against the screw.

7T175-100 and **7T175-150** use their own integrated driving screws. The screw has a micrometric scale (on the body and knob). The pitch of the screw is **0.5 mm**. Custom pitch and gears are available on request.

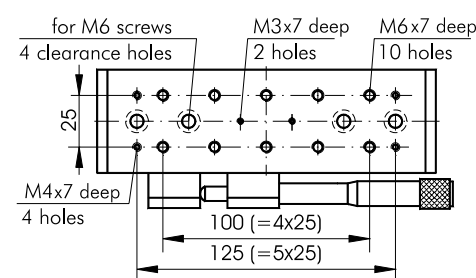
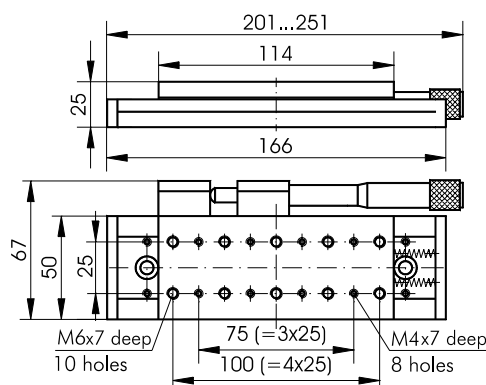
The platform of **7T175-100 (-150)** is preloaded by a collar of our original design on the screw, rendering an increased load capacity, stability, and reduced backlash.

SPECIFICATIONS

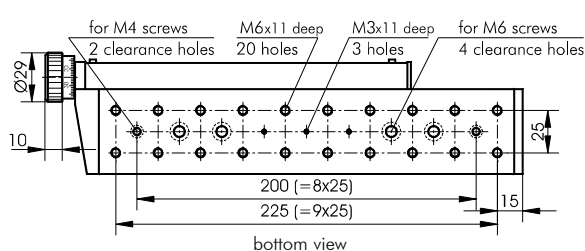
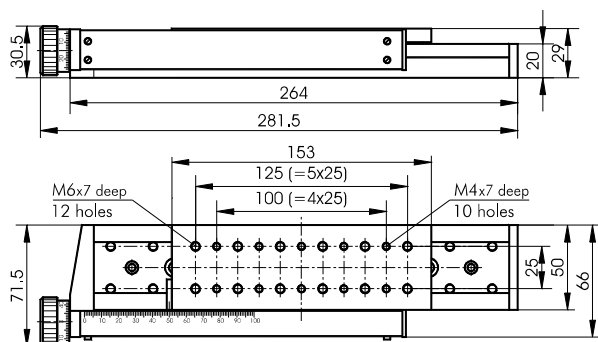
	7T175-50	7T175-100	7T175-150
Travel range	50 mm	100 mm	150 mm
Sensitivity	1 μ m	1 μ m	1 μ m
Tracking accuracy	2 μ m	2 μ m	2 μ m
Reading accuracy	10 μ m	10 μ m	10 μ m
Load capacity:			
Horizontal	40 kg	40 kg	40 kg
Vertical	9 kg	20 kg	20 kg
Weight	0.74 kg	1.24 kg	1.15 kg

Assembles:

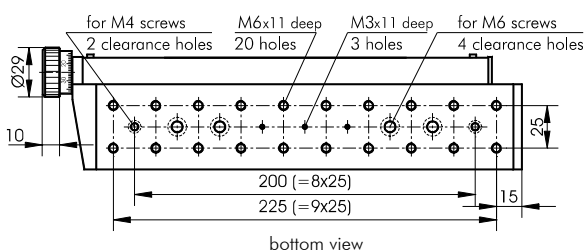
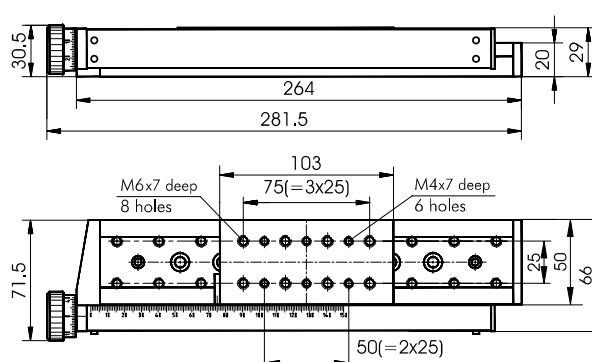
X-Y directly
Z 2AB175



7T175-50



7T175-100



7T175-150


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1

Brackets
& Rails

2

Base
Mounts &
Accessories

3

Optical
Mounts

4

Optical
Positioners

5

Base
Positioners

6

Translation &
Rotation
Stages

7

Motorised
Positioners &
Controllers

8

Fine
Adjustment
Screws

9

Opto-
Mechanics &
Sets

10

Light Test &
Measurement
Instruments

11

Lasers &
Accessories

12

Low Profile Translation Stage with Quick Move Lever

7T167-100Q



7T167-100Q

- Lever for quick movement bypassing the driving screw
- 100 mm travel range
- 2 inches (Ø50 mm) clear aperture
- Precise movement
- Stackable for multi-axis positioning
- Insert platform with M6, M4 and clearance holes
- Lead screw pitch 1 mm

SPECIFICATIONS

Travel range	100 mm
Sensitivity	1 μ m
Scale graduation	10 μ m
Load capacity	16 kg
Weight	0.6 kg

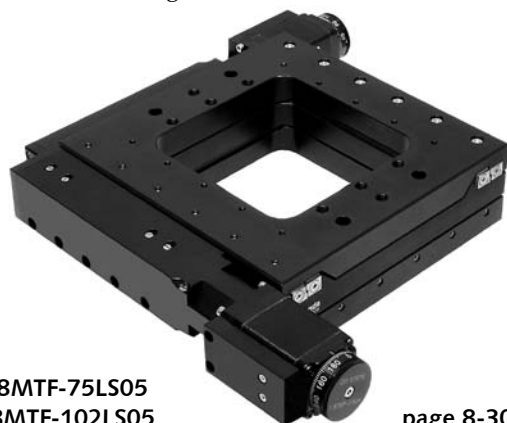
Designed to use with microscope!



7T167-100QXY

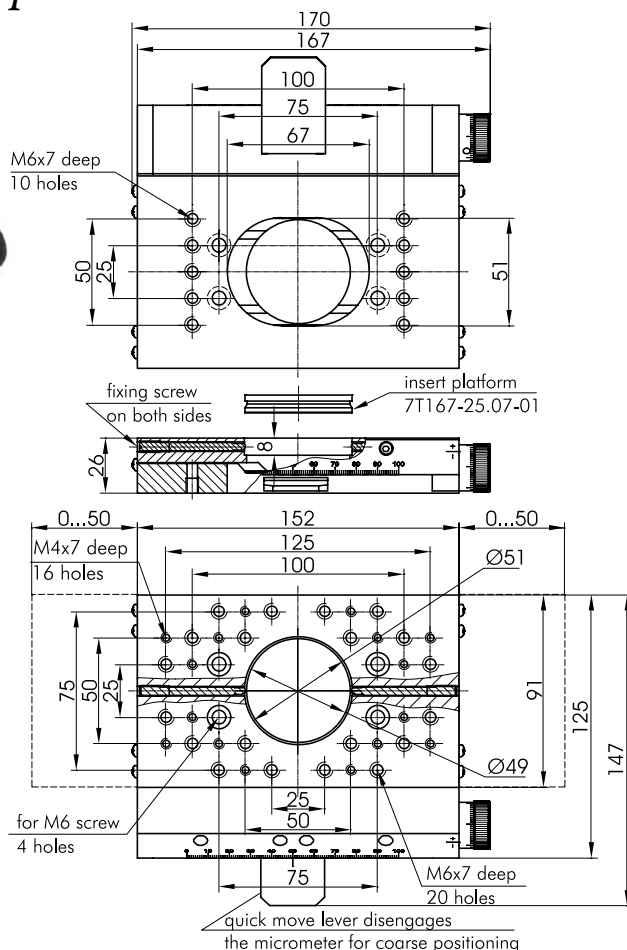
Motorized XY Scanning Stages

- Travel range XY – 75 mm (3") or 102 mm (4");
- Resolution – 2.5 μ m;
- Max. speed – 10 mm/s;
- Clear aperture – 53...90 mm or 64...115 mm;
- Load capacity
 - Horizontal – 50 kg;
 - Vertical – 6kg.

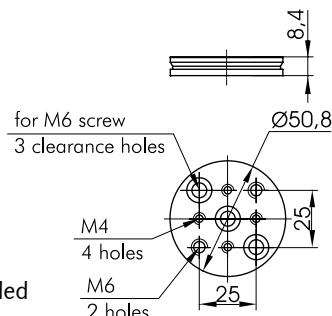


8MTF-75LS05
8MTF-102LS05

page 8-30



Insert platform included



Aluminium Translation Stages Low Profile

7T167

- Precision movement
- 25 mm, 50 mm travel range
- Stackable for multi-axis positioning
- Reversible for left or right hand applications
- 2 inches (Ø50 mm) clear aperture
- Insert platform with M6, M4 and clearance holes
- Versions with solid platform available

Low Profile Aluminium Translation Stages 7T167 provide single axis movement.

Items are fixed on a platform by **M6** tapped holes. **7T167-50** has **M4** holes in addition.

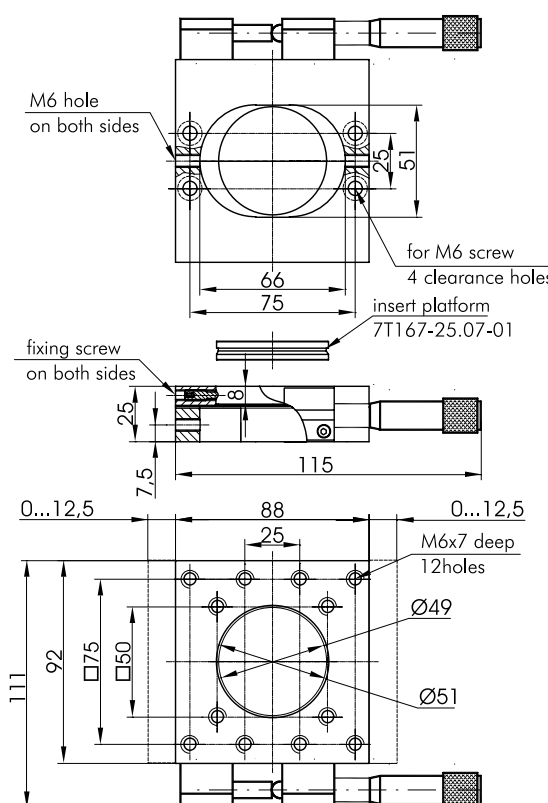
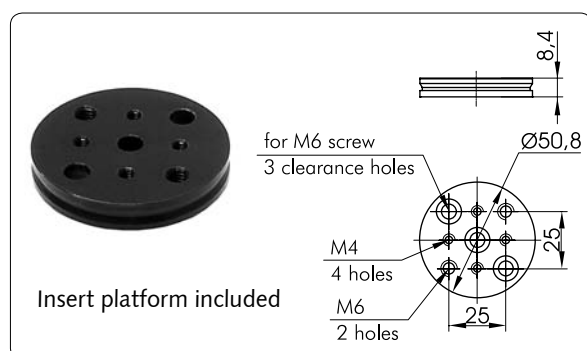
7T167S models are made with solid platform.

The stages **7T167** have a central **Ø50 mm (2 inch)** clear aperture, which remains unobstructed over some **15 mm** of travel. You close the aperture with an insert platform – laid against the resting flange. The insert platform provides **additional mounting** holes, which you can rotate. It is locked by two fixing screws.

Angle brackets **2AB167-25, -50** tie the stages **7T167** in **X-Y-Z** translation systems.

SPECIFICATIONS	7T167-25	7T167S-25	7T167-50	7T167S-50
Travel range	25 mm	25mm	50 mm	50mm
Sensitivity	1 µm	1 µm	1 µm	1 µm
Reading accuracy	5 µm (½ division)	5 µm (½ division)	5 µm (½ division)	5 µm (½ division)
2 inches (Ø50 mm) clear aperture	Yes	No	Yes	No
Solid platform	No	Yes	No	Yes
Load capacity:				
Horizontal	16 kg	16 kg	16 kg	16 kg
Vertical	7 kg	7 kg	7 kg	7 kg
Weight	0.5 kg	0.5 kg	1.2 kg	1.2 kg
Assemblies:				
X-Y	directly	directly	directly	directly
Z	2AB167-25	2AB167-25	2AB167-50	2AB167-50

Aluminium Translate Stage with 2 inches (Ø50 mm) clear aperture

7T167-25
Optical
Tables

1

Brackets
& Rails

2

Base
Mounts &
Accessories

3

Optical
Mounts

4

Optical
Positioners

5

Base
Positioners

6

Translation &
Rotation
Stages

7

Motorised
Positioners &
Controllers

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Adjustment
Screws

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Sets

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Measurement
Instruments

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Lasers &
Accessories

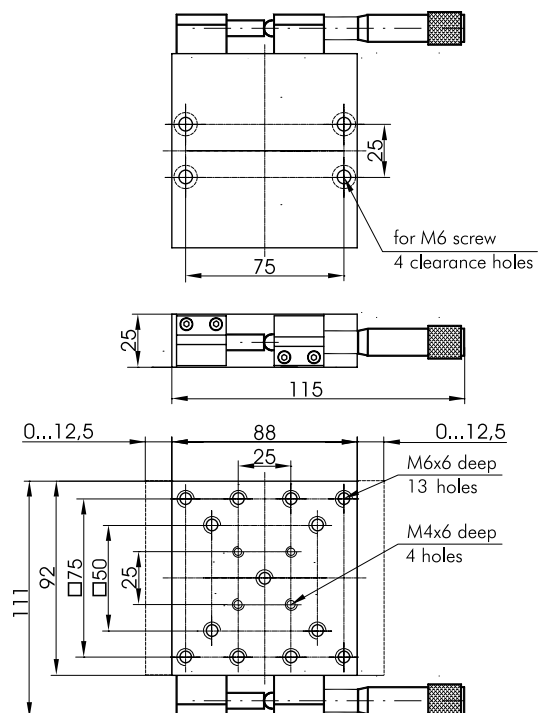
12

Aluminium Translate Stage with solid platform

7T167S-25

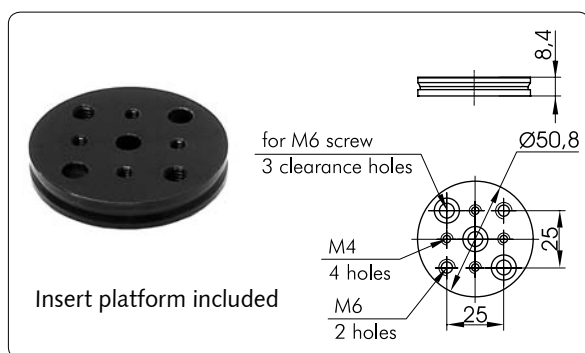
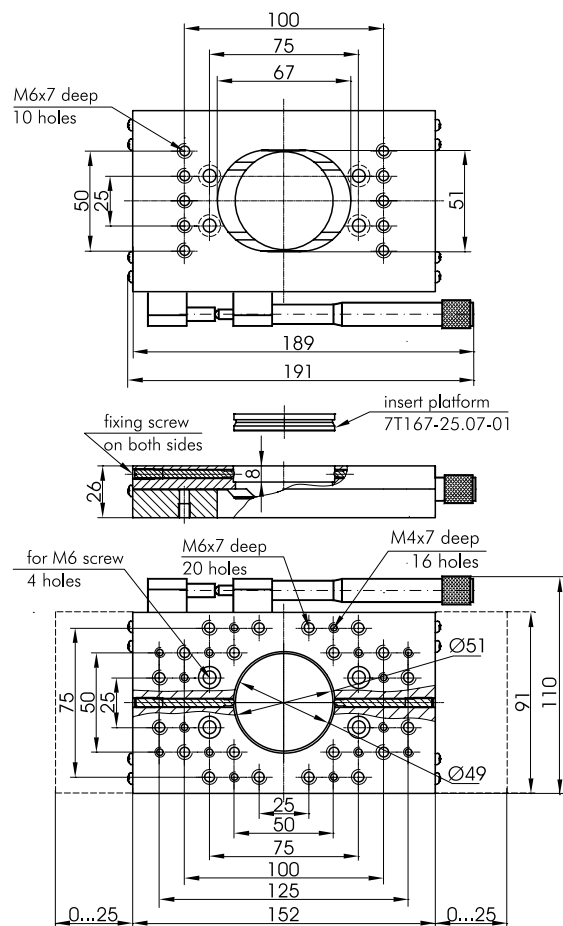


new



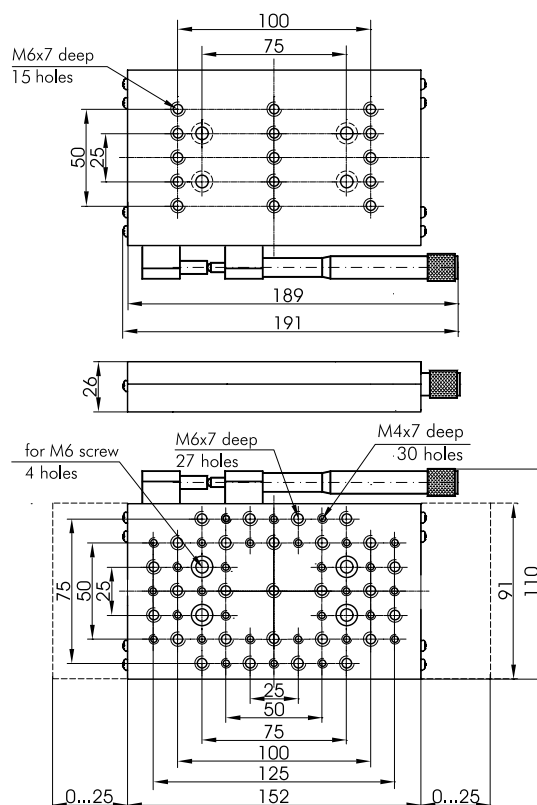
Aluminium Translate Stage with 2 inches (Ø50 mm) clear aperture

7T167-50



Aluminium Translate Stage with solid platform

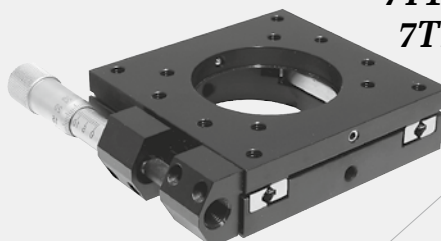
7T167S-50



new

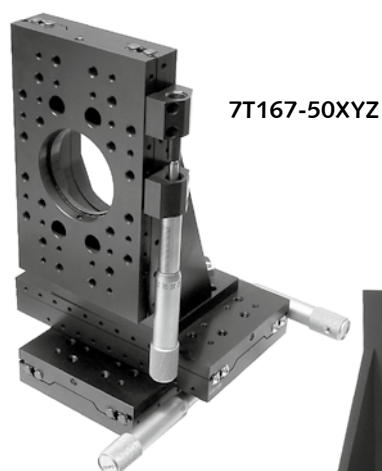
Available “right-hand” version

7T167MS-25
7T167M-25



7T167MS-50
7T167M-50

Available “left-hand” version



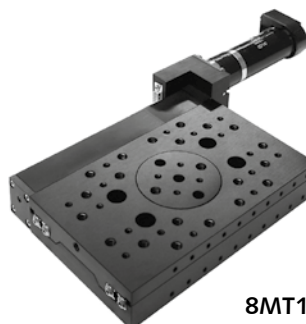
7T167-50 stacked
in XYZ using
2AB167-50 angle
bracket

Angle Bracket
2AB167-50

Motorized versions with
different motors are in
Section 8



8MT167-25BS1



8MT167-100DCE

Optical Tables	1	Base Mounts & Accessories	3	Optical Mounts	4	Optical Positioners	5	Base Positioners	6	Translation & Rotation Stages	7	Motorised Positioners & Controllers	8	Fine Adjustment Screws	9	Opto- Mechanics & Sets	10	Light Test & Measurement Instruments	11	Lasers & Accessories	12
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Translation Stage

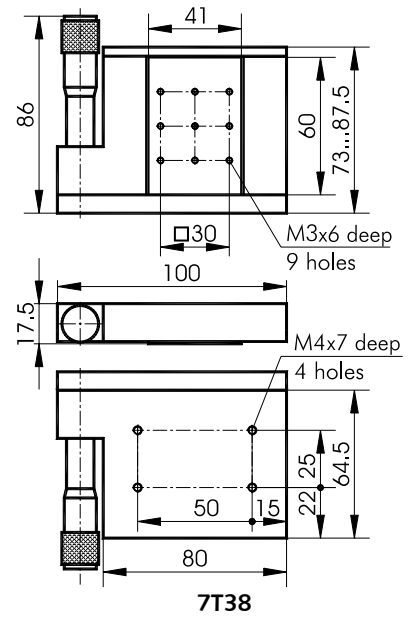
7T38



- Micrometer drive
- X-Y-Z configuration available

SPECIFICATIONS

Travel range	15 mm
Sensitivity	1 μ m
Tracking accuracy	2 μ m
Scale graduation	10 μ m
Load capacity	
Horizontal	10 kg
Vertical	5 kg
Weight	0.41 kg



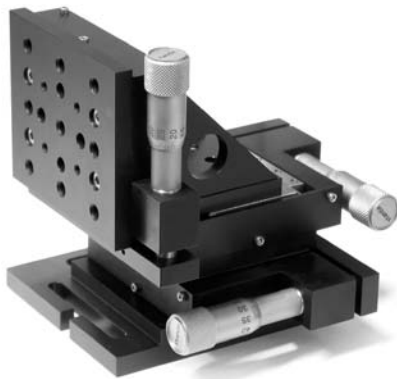
7T38

for METRIC
and INCH

Translation Stage

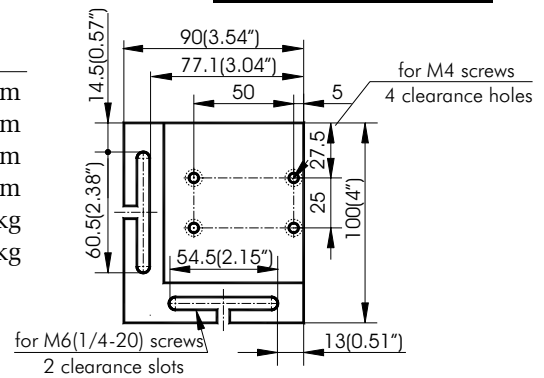
7T38XYZ

7T38XY

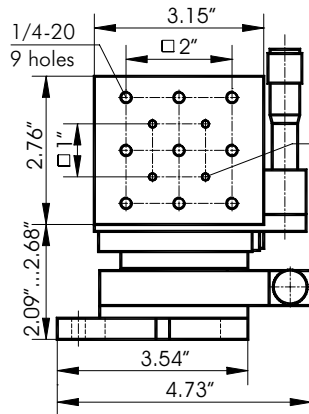


SPECIFICATIONS

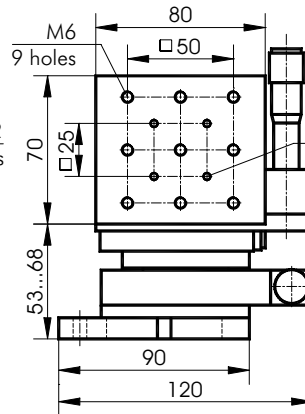
Travel range	15 mm
Sensitivity	1 μ m
Tracking accuracy	2 μ m
Scale graduation	10 μ m
Load capacity	5 kg
Weight	1.35 kg



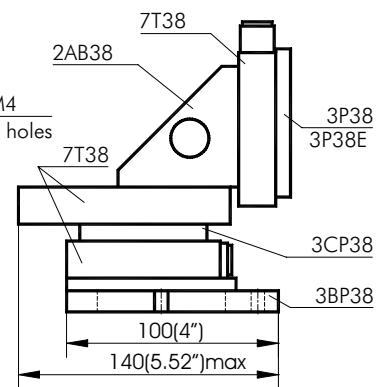
3BP38 top view



7T38EXYZ



7T38XYZ



ORDERING INFORMATION

7T38XYZ
(for Metric)

7T38EXYZ
(for Inch)

7T38XY

stage is assembled of these components:

7T38 – 3 pieces,
3P38 – 1 piece,
2AB38 – 1 piece,
3CP38 – 1 piece,
3BP38 – 1 piece.

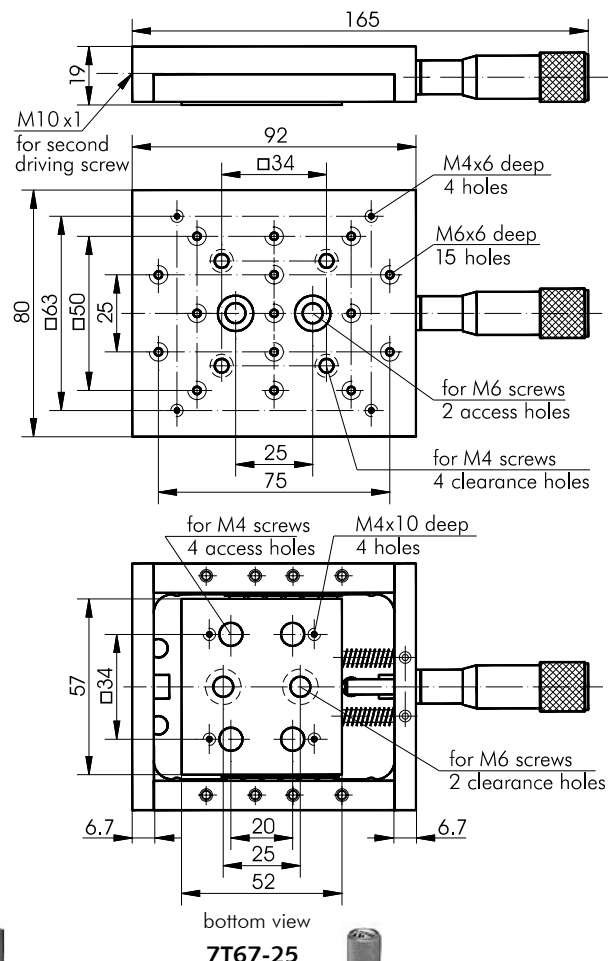
7T38 – 3 pieces,
3P38E – 1 piece,
2AB38 – 1 piece,
3CP38 – 1 piece,
3BP38 – 1 piece.

7T38 – 2 pieces,
3P38 – 1 piece,
3BP38 – 1 piece,
3CP38 – 1 piece.

Stable Steel Translation Stage

7T67-25


- Solid box design
- 25 mm travel range
- Variety of mounting holes and options
- Easily stacked in X-Y configuration
- For Z axis add 2AB67-25
- Large mounting surface
- Made of steel



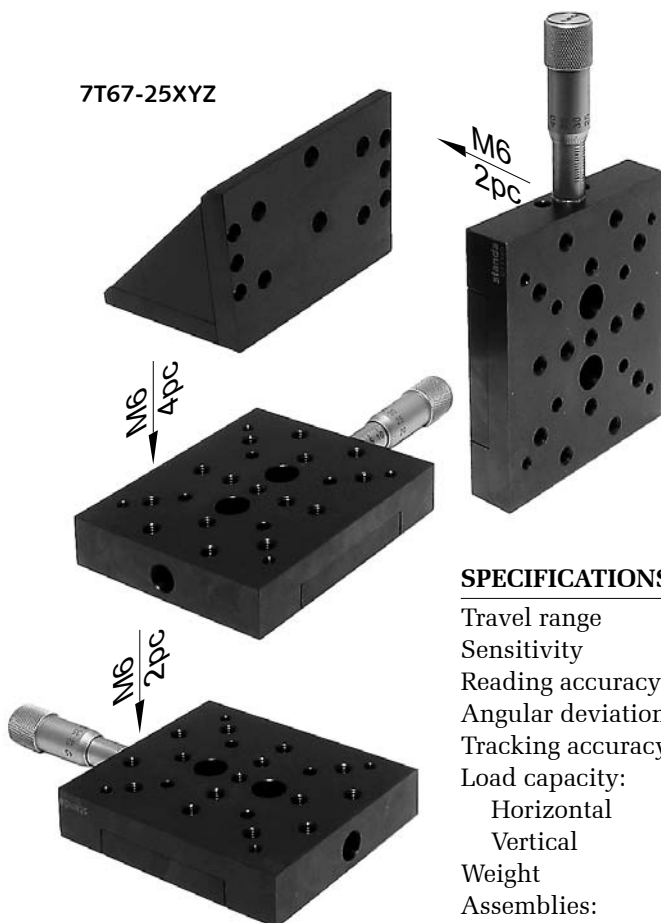
Stable Steel Translation Stages 7T67-25 have large mounting surface, great travel range for this relatively small size, low profile, and increased stability and precision. Box design reinforces the stage, reducing flex. Steel, as a material, adds to stability.

You can mount a second driving screw on the other end (to lock the platform in fixed positioning applications).

The platform is preloaded by springs.

The stages can be **stacked immediately** to other units, or to their own type (e.g. in X-Y configuration). The stages can be used upside-down. For immediate attachment the **base** has **2 clearance holes** for **M6** screws. Similarly, the **platform** has **4 clearance holes** for **M4** screws. Slip the screws from top or under through the **access holes** in a platform/base.

Micrometer 9S75M-25 comes as standard. The stage has black anodized finish.

7T67-25XYZ


SPECIFICATIONS

Travel range	25 mm
Sensitivity	1 μ m
Reading accuracy	10 μ m
Angular deviation	<200 μ Rad
Tracking accuracy	2 μ m
Load capacity:	
Horizontal	20 kg
Vertical	5 kg
Weight	0.78 kg
Assemblies:	
X-Y	directly
Z	2AB67-25

7T67SSV-25XYZ

ORDERING INFORMATION

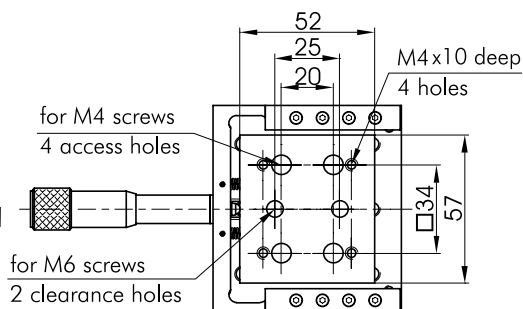
7T67-25	steel version
7T67-25XYZ	
7T67SS-25	stainless steel
7T67SS-25XYZ	version
7T67SSV-25	version
7T67SSV-25XYZ	for vacuum

Low Cost Linear Translation Stage

7T68-25



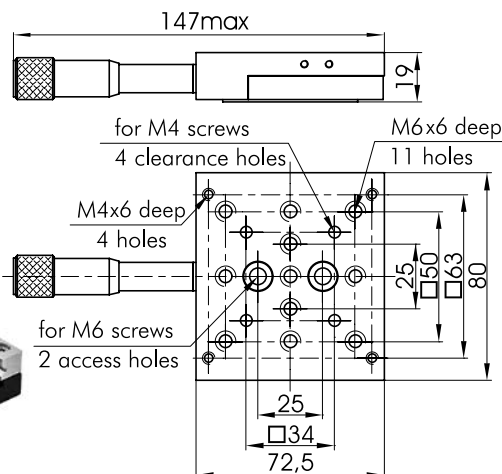
- Solid box design
- 25 mm travel range
- Variety of mounting holes and options
- Easily stacked in X-Y configuration. For Z axis add 2AB67-25-AL
- Large mounting surface
- Made of aluminium



SPECIFICATIONS

Travel range	25 mm
Sensitivity	1 μ m
Reading accuracy	10 μ m
Angular deviation	<200 μ Rad
Tracking accuracy	2 μ m
Load capacity:	
Horizontal	20 kg
Vertical	5 kg
Material	black anodized aluminium
Weight	0.4 kg
Assemblies:	
X-Y	directly
Z	2AB67-25-AL

Non-Magnetic version available
7T68-25T-NM



Low Cost Linear Translation Stage

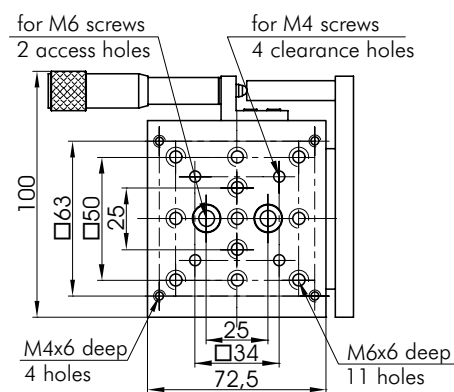
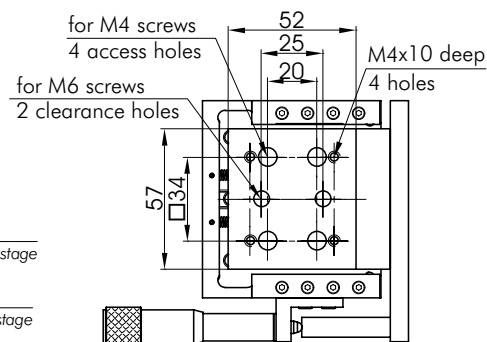
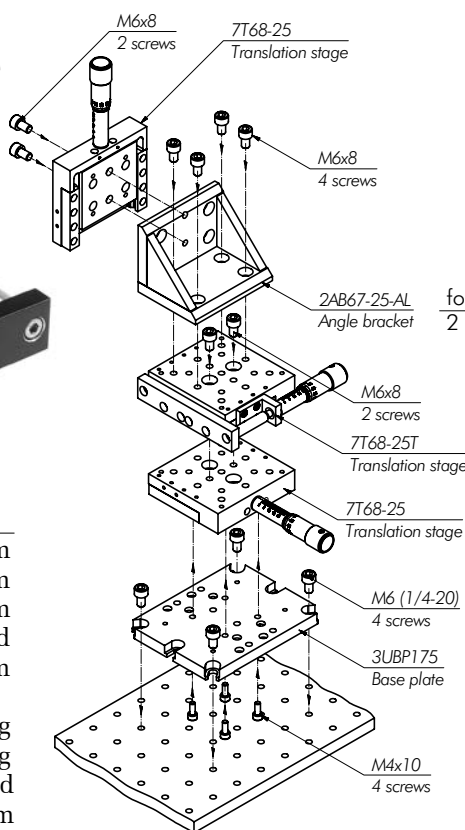
7T68-25T

7T68-25TM



SPECIFICATIONS

Travel range	25 mm
Sensitivity	1 μ m
Reading accuracy	10 μ m
Angular deviation	<200 μ Rad
Tracking accuracy	2 μ m
Load capacity:	
Horizontal	20 kg
Vertical	5 kg
Material	black anodized aluminium
Weight	0.4 kg
Assemblies:	
X-Y	directly
Z	2AB67-25-AL



"Right-hand" version available
7T68-25TM



Stable Stainless Steel Linear Stage

7T67-6

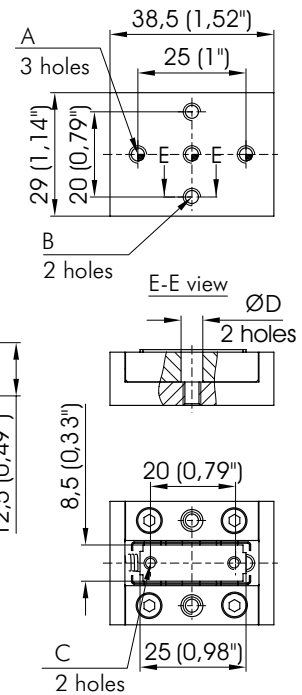
- Miniature
- Solid box design
- 6 mm travel range
- Compact design
- Large mounting surface
- Easily stacked in X-Y configuration
- Made entirely of stainless steel – easily adapted for vacuum applications

Stable Steel Translation Stages 7T67-6 and 7T67E-6 have low profile, and increased stability and precision.

Box design reinforces the stage, reducing flex. Steel, as a material, adds to stability. The platform is preloaded by springs.

The stages can be **stacked immediately** to other units, or to their own type (e.g. in X-Y configuration). The stages can be used upside-down.

The stages are entirely made of **stainless steel**.



7T67E-6 and 7T67-6



7T67-6-9S35M-5

SPECIFICATIONS

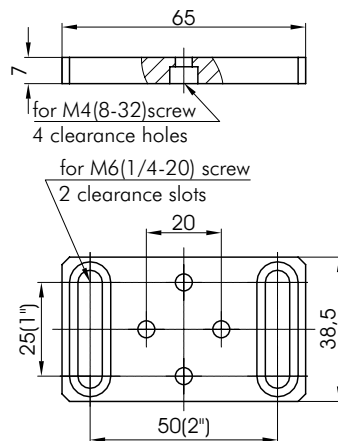
Travel range	6 mm
Sensitivity	1 μ m
Reading accuracy	10 μ m
Angular deviation	<150 μ Rad
Tracking accuracy	2 μ m
Load capacity:	
Horizontal	45 kg
Vertical	3 kg
Weight	0.1 kg



7T67-6-9SH137MN



7T67-6-9SH137ML



3BP67-6 Base Plate
(or 3UBP series base plates)

ORDERING INFORMATION

7T67-6 – model of **metric** dimensions – the **standard** version.

7T67E-6 – model of **imperial** dimensions – is produced **on demand**.

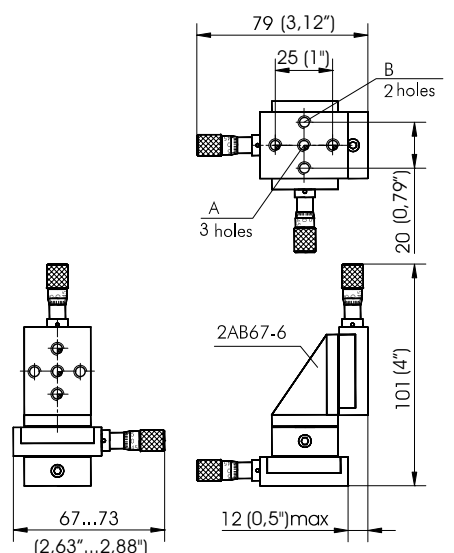
7T67V-6 - version for **vacuum**

Note: adjustment screw is **not included**. It can be ordered separately. Suitable micrometers are: **9S35M-5, 9SH137M, 9SH137MN**.

Dimension	7T67E-6 (imperial)	7T67-6 (metric)
A	#8-32x0,11" deep	M4x3 deep
B	#8-32x0,19" deep	M4x5 deep
C	#4-40x0,23" deep	M3x6 deep
D	0,2x0,27" deep	6x7 deep



7T67-6-9S35M-5XYZ



www.standa.it

e-mail: sales@standa.it



Phone: +370-5-2651483

Fax: +370-5-2651474

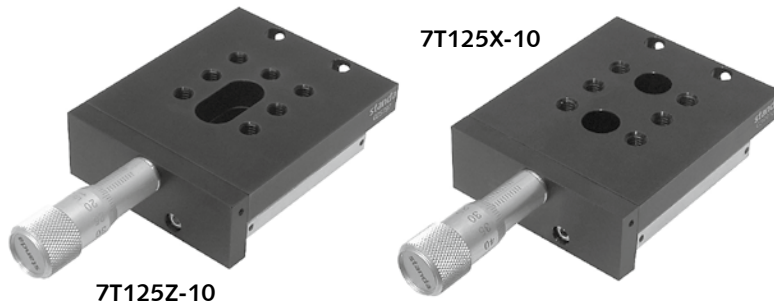


standa



Basic Translation Stages

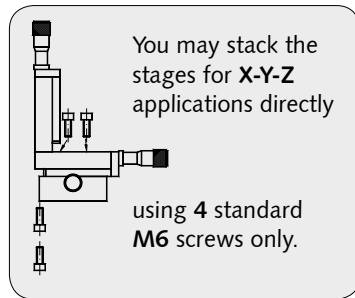
7T125



7T125Z-10

7T125X-10

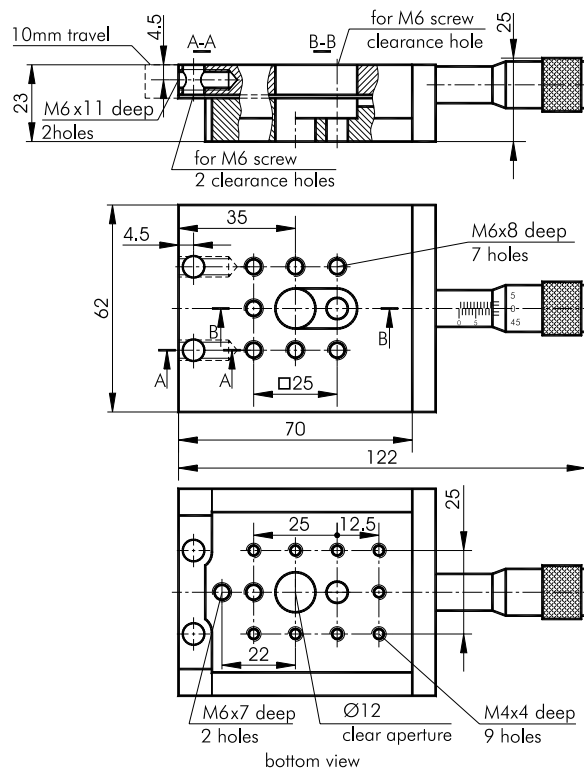
- 10 mm travel
- Low profile
- X-Y-Z direct stacking
- Ball bearing design
- Spring preloaded



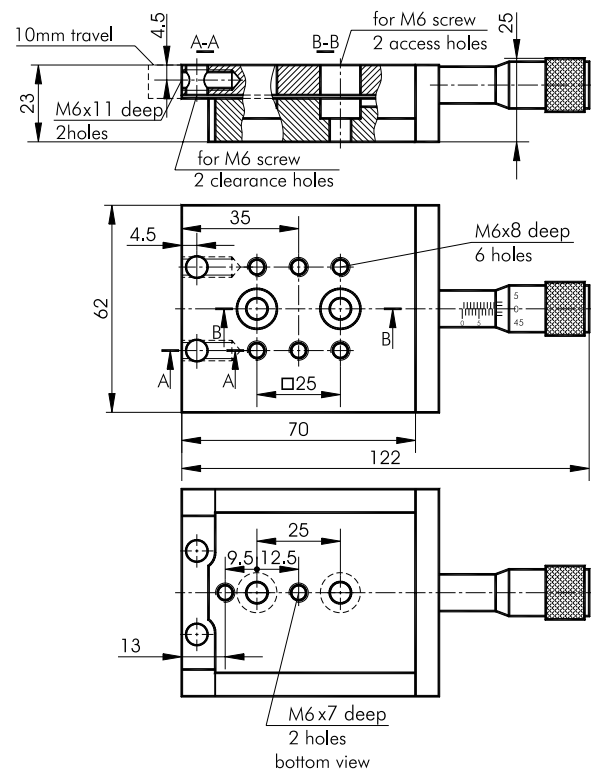
7T125X-10 is designed for stacking to X and XY configurations and **7T125Z-10** is intended for use in Z-axis. They differ in mounting hole patterns. **7T125Z-10** has a **Ø12 mm clear aperture** unobstructed throughout the travel range.

SPECIFICATIONS

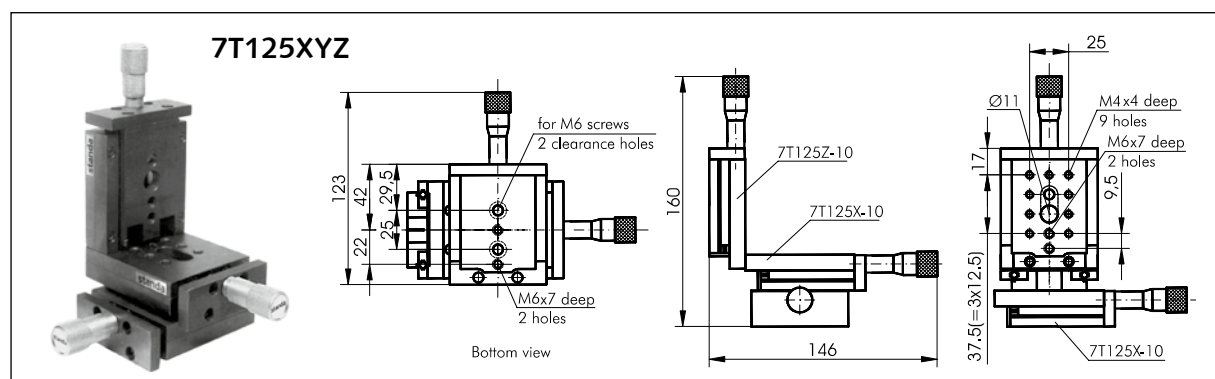
Travel range	10mm
Sensitivity	1 μ m
Angular deviation	< 200 μ rad
Tracking accuracy	2 μ m
Reading accuracy	5 μ m (½ division)
Load capacity:	
Horizontal	10 kg
Vertical (relative to driving screw)	
against	3 kg
away	0.5 kg
Material	black finished aluminium
Weight	0.3 kg



7T125Z-10



7T125X-10



7T125XYZ



e-mail: sales@standa.it

www.standa.it



Phone: +370-5-2651474

Fax: +370-5-2651483

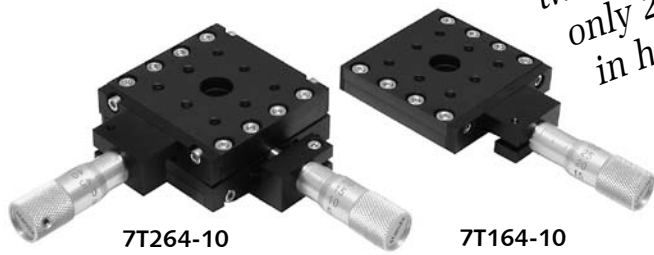


standa



Ultra Low Profile STEEL Translation Stages Single and Two-Axis

7T164-10 • 7T264-10



7T264-10

7T164-10

*two axis stages
only 20 mm
in height !*

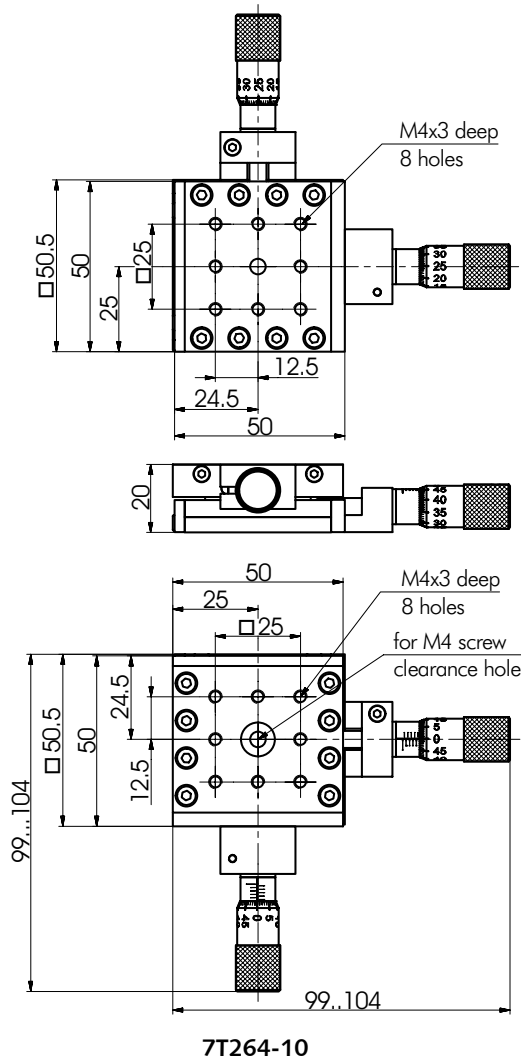
- Only 20 mm in height
- Compact X-Y configuration
- Exceptionally precise orientation of axes at 90°
- Precision movement
- 10 mm travel range
- Precision ball bearings

Ultra Low Profile Steel Two Axis 7T264-10 and Single Axis 7T164-10 Translation Stages. The height of single axis translation stage is **10.5 mm**, and of two axis translation stage – **20 mm**. To match the low height of the stages **Thin Micrometers 9S55-10** with small knob diameter (13 mm) are used as driving screws.

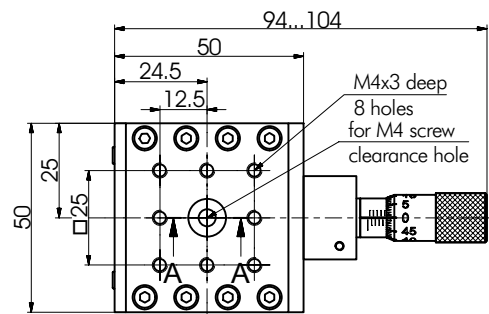
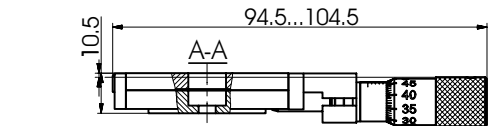
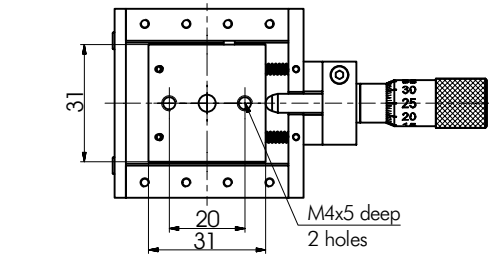
SPECIFICATIONS

Travel range	10 mm
Sensitivity	1 μm
Tracking accuracy	2 μm
Reading accuracy	5 μm ($\frac{1}{2}$ division)
Load capacity:	
Horizontal	6 kg
Vertical	3 kg
Weight:	
7T164-10	0.14 kg
7T264-10	0.34 kg
7T264-10U	0.34 kg

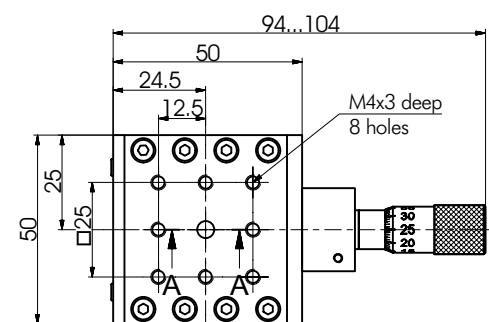
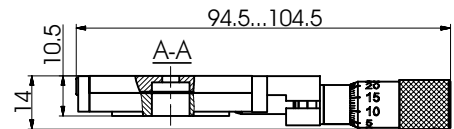
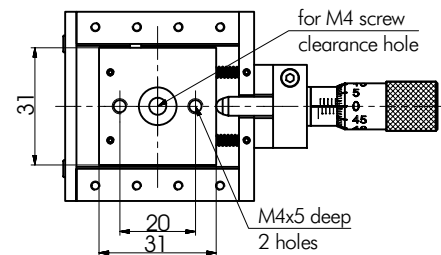
Ordering information on the 7-17 page.



7T264-10



7T164-10



7T164-10U

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e-mail: sales@standa.it

Fax: +370-5-2651483

Phone: +370-5-2651474

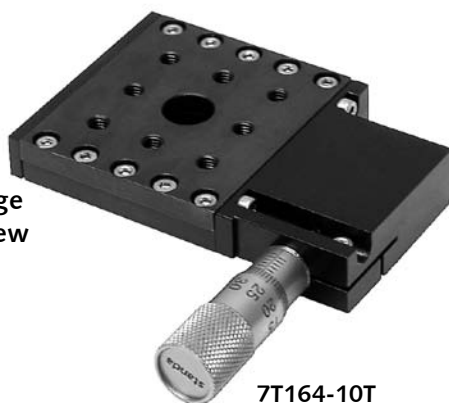


Side Control Linear STEEL Stages

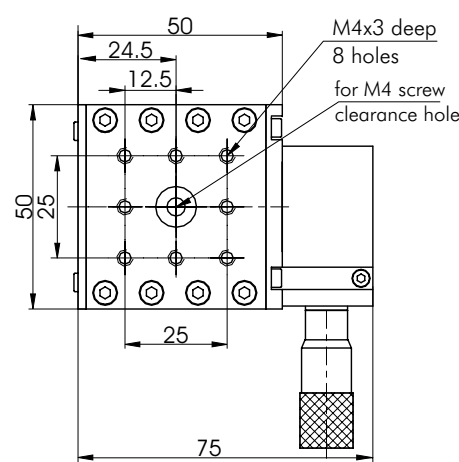
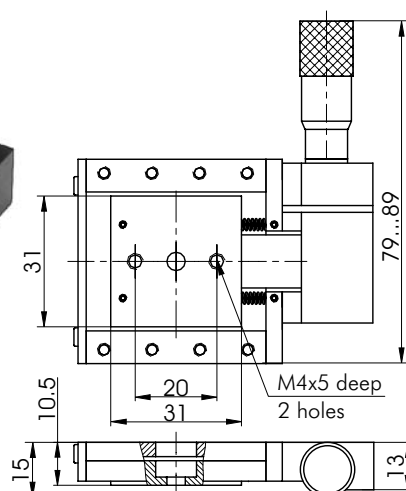
7T164-10T • 7T264-10T

Ordering information
on the **7-17** page.

- Stable Steel stage
- 10mm travel range
- Side Control Linear Stage
- Driving micrometer screw
- Precise ball bearings
- Compact XYZ configuration with all screws from one side



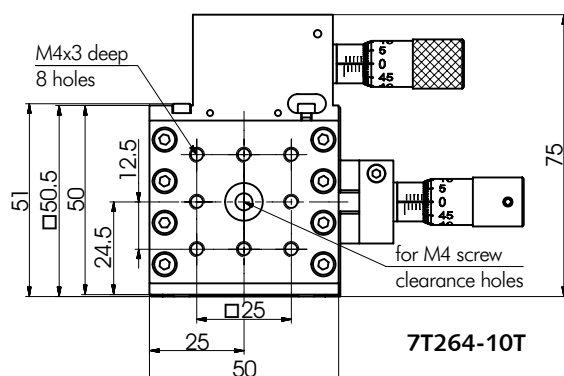
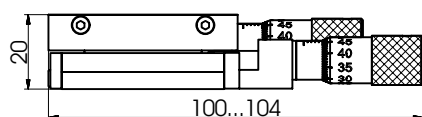
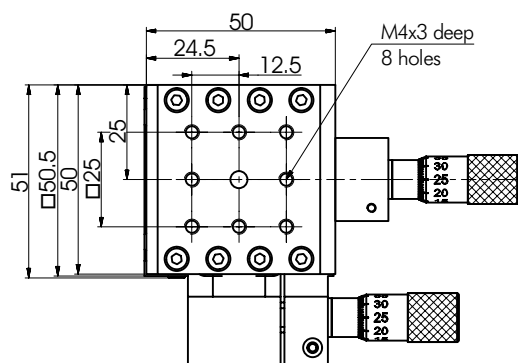
7T164-10T



7T164-10T

SPECIFICATIONS

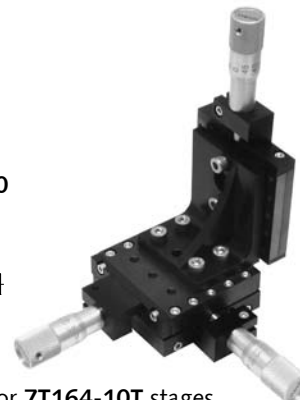
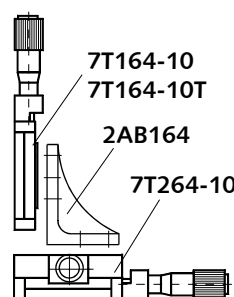
Travel range	10 mm
Sensitivity	1 μ m
Tracking accuracy	2 μ m
Reading accuracy	5 μ m (½ division)
Load capacity:	
Horizontal	6 kg
Vertical	3 kg
Weight:	
7T164-10T	0.15 kg
7T264-10T	0.35 kg



7T264-10T

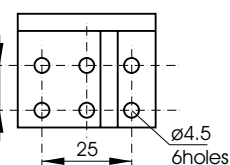
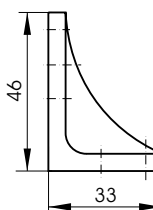
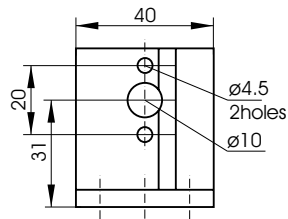
3UBP-04

Universal base plate
for stacking the
translation stages
to STANDAs
optical tables
or to another
stages



7T164-10XYZ

XY Stage **7T264-10**,
for Z axis **7T164-10** or **7T164-10T** stages
and angle bracket **2AB164**



Angle Bracket 2AB164



Vertical Drive Ultra Low Profile STEEL Translation Stages

7T164-10VD • 7T264-10VD

- Stable Steel stage
- 10mm travel range
- Driving micrometer screw
- Precise ball bearings



7T264-10VD

SPECIFICATIONS

Travel range	10 mm
Sensitivity	1 μ m
Tracking accuracy	2 μ m
Reading accuracy	5 μ m (½ division)
Load capacity:	
Horizontal	6 kg
Vertical	3 kg
Weight:	
7T164-10VD	0.15 kg
7T264-10VD	0.35 kg

ORDERING INFORMATION

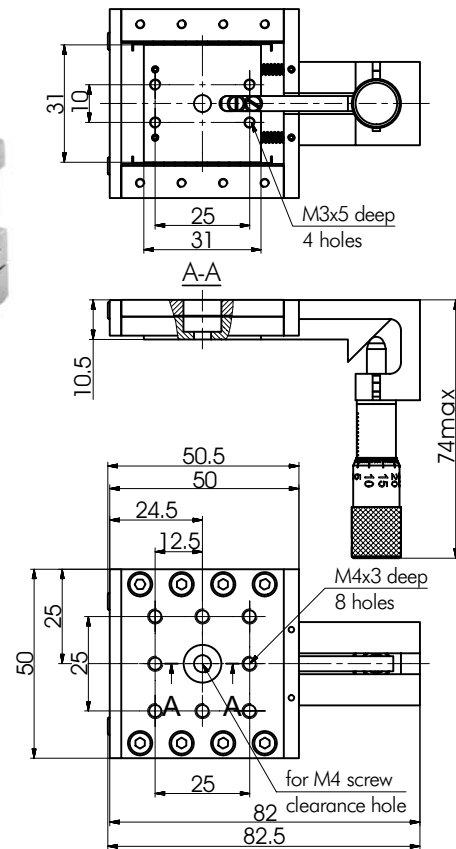
Application	Model	Note
X axis	7T164-10	Steel Version
	7T164-10U	
	7T164-10T	
	7T164-10VD	
X axis	7T164SS-10	Stainless Steel Version
	7T164SS-10U	
	7T164SS-10T	
	7T164SS-10VD	
X axis	7T164SSV-10	Vacuum Version
	7T164SSV-10U	
	7T164SSV-10T	
	7T164SSV-10VD	
		Vacuum 10⁻⁶ Torr compatible
XY system	7T264-10	Steel Version
	7T264-10T	
	7T264-10VD	
XY system	7T264SS-10	Stainless Steel Version
	7T264SS-10T	
	7T264SS-10VD	
XY system	7T264SSV-10	Vacuum Version
	7T264SSV-10T	
	7T264SSV-10VD	
		Vacuum 10⁻⁶ Torr compatible

2AB164SS

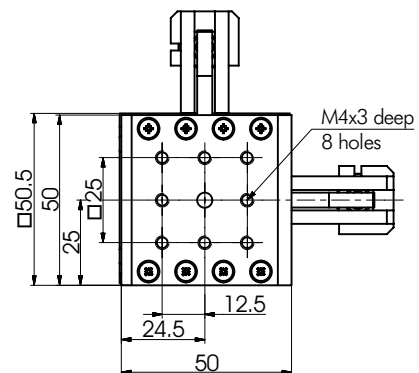


Angle Bracket 2AB164 is used to transform “horizontal” translators into vertical ones.

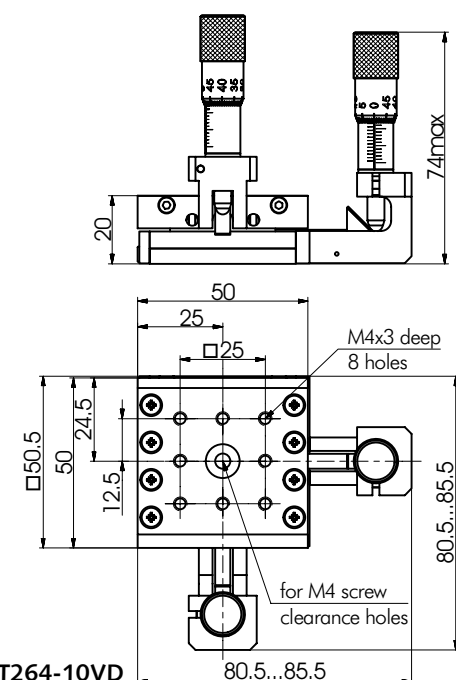
2AB164 – steel version
2AB164SS – stainless steel version and version for vacuum



7T164-10VD



7T264-10VD


Optical
Tables

1

Brackets
& Rails

2

Base
Mounts &
Accessories

3

Optical
Mounts

4

Optical
Positioners

5

Base
Positioners

6

Translation &
Rotation
Stages

7

Motorised
Positioners &
Controllers

8

Fine
Adjustment
Screws

9

Opto-
Mechanics &
Sets

10

Light Test &
Measurement
Instruments

11

Lasers &
Accessories

12

Low Profile Two-Axis Aluminium Translation Stage

7T273-10



- Compact X-Y configuration
- Exceptionally precise orientation of axes at 90°
- Precision movement
- 10 mm travel range
- Precision ball bearings
- Perpendicular and side control configuration

Low Profile Two-Axis Aluminium Translation Stage

7T273-10 provides smooth, precise, **X-Y** axis movement.

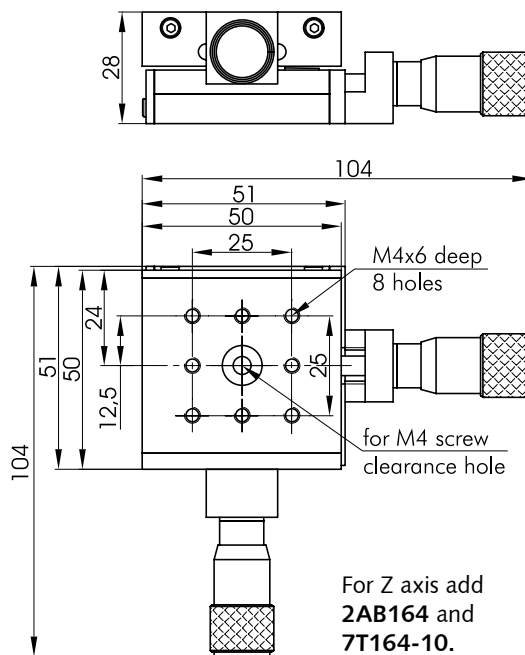
The travel of this Stage is **10 mm** with resolution **10 µm**.

Eight **M4** tapped holes are provided in order to mount other components. It can be directly mounted to breadboards and other equipment from Standa by use of mounting holes **Ø4.5 mm** and **M4**.

The base and the platform are produced from the black anodized aluminium.

SPECIFICATIONS

Travel range	10 mm
Sensitivity	1 µm
Tracking accuracy	2 µm
Reading accuracy	5 µm
	(½ division)
Load capacity:	
Horizontal	15 kg
Vertical	5 kg
Weight	0.38 kg



7T273-10



3UBP-04 universal base plate for stacking the translation stages to **STANDA** optical tables or to another stages. **Page 3-6**

Low Profile Two-Axis Aluminium Translation Stage of Side Control

7T273-10T

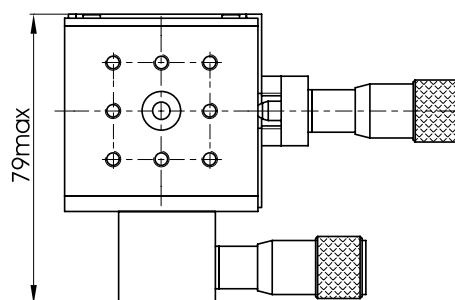


*A rare opportunity to control
an X-Y translation stage from one side!
Try it and feel the advantage!*

Translation Stage 7T273-10T. For your convenience we have rotated by **90°** the driving screw for **X** axis. Now it sits parallel to the other screw (for **Y** axis). So the stage is controlled from a single side. This helps in optical schemes of great concentration.

In other respects, including the **specifications**, the stage is the same as **7T273-10**.

Weight – 0.38 kg



7T273-10T

Other dimensions such as **7T273-10**

