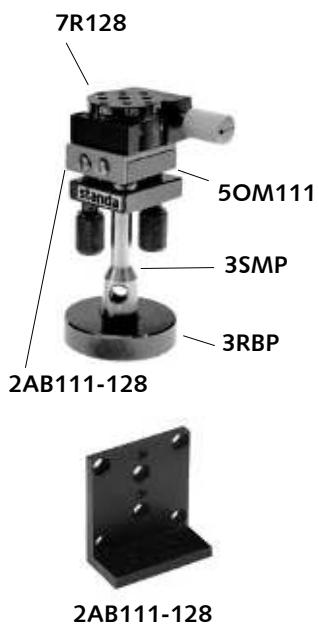


Micro Rotation Stage

7R128



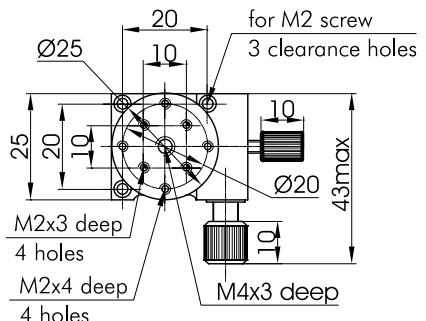
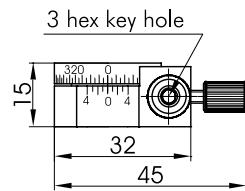
Micro Rotation Stage 7R128 is a compact **360°** rotation platform.

Using a fine screw it's possible to rotate the platform precisely. Pitch of the screw is **0.25 mm**.

Vernier can be read to **1°**.

Using **M2** screws and an angle bracket **2AB111-128**, this compact stage may be attached to other **micro stages** (like **7T128**). **Other angle brackets** are available in order to attach the stage to **other units**, for example to **5OM111**.

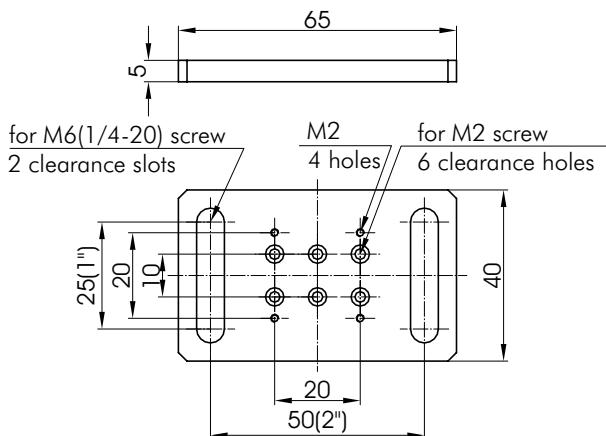
The stage is produced from black anodized aluminium.



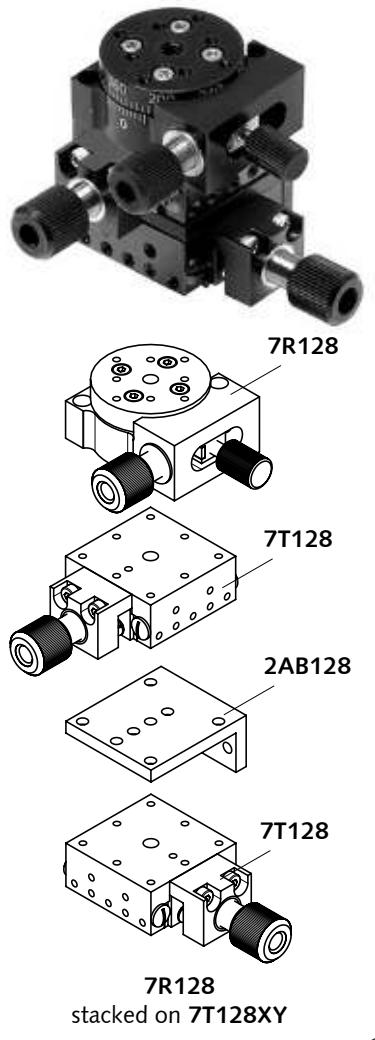
7R128-9S35-5
(with mini micrometer
9S35-5 installed)

SPECIFICATIONS

Rotation range	360° coarse; 15° fine
Reading accuracy	1°
Sensitivity	0.5 arcmin.
Wobble	1 arcmin.
Load capacity	
Horizontal	0.1 kg
Vertical	0.1 kg
Weight	0.05 kg



3BP7T128 base plate
for stacking the translation stages **7T128**,
7T228T and rotation stage **7R128** to STANDA
optical tables or to another stages.



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
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Mini Rotation Stage

7R174-11

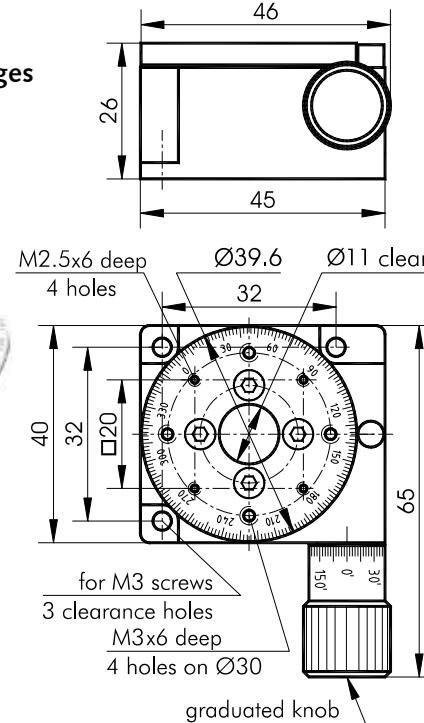


- Worm gear design
- Ø11 mm clear aperture
- Stacks directly with stages of 174 and 184 series

*Available
INCH version
7R174E-11*

SPECIFICATIONS

Rotation range	360° (continuous)	Base Mounts & Accessories	3	Brackets & Rails	2	Optical Tables	1
Sensitivity	1 arcmin						
Reading accuracy	3 arcmin						
Wobble	1 arcmin						
Eccentricity	10 µm						
Load capacity							
Horizontal	4 kg	Optical Mounts	5				
Radial	1.5 kg	Optical Positioners	6				
Clear aperture	Ø11 mm	Base Positioners	7				
Weight	0.14 kg						



8MR174-11 (motorized rotation stage),
7T184-13 (2 pieces),
and 7VT174 or 7VT40 stacked



7R174-11,
7T184-13 (2 pieces), and
7VT174 or 7VT40 stacked

*Base plate from
3UBP series
page 3-6*



7R174-11
stacked on
7T184-13

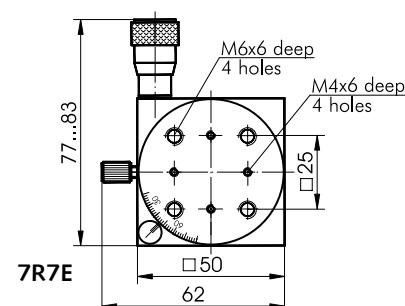
Mini Rotation Stage

7R7

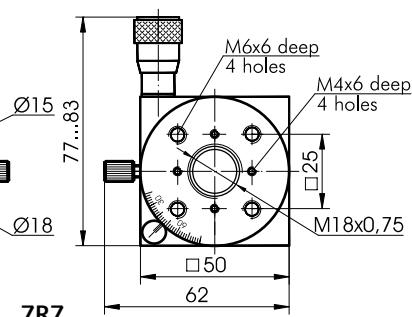
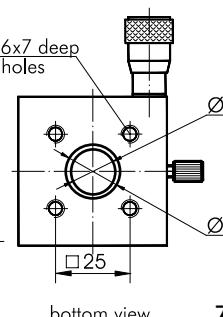
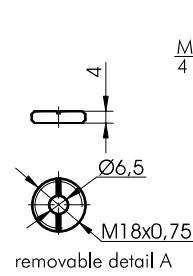
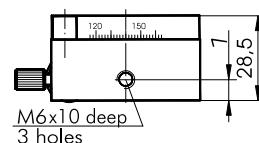


SPECIFICATIONS

Rotation range	coarse / fine 360° / 15°
resolution	1° / 1'
Load capacity:	
Horizontal	5 kg
Vertical	2 kg
Weight	0.23 kg
Wobble	3 arcmin



3BP7R7 base plate
for stacking 7R7
to STANDA optical tables
or to another stages.



Mini Rotation Stage 7R7 provides smooth, low friction **360°** rotation.

A micrometer driving screw renders resolution of **1'**. A clear aperture of **Ø15 mm** allows attachment of lenses and filters directly in front of the stage.

A removable ring (included) can be screwed into the aperture. The ring's hole is of **Ø6.5 mm**, so you can put an **M6** screw from underneath to mount some component directly onto the stage.

7R7 can be mounted to optical rails using rail carriers. "Clear top" design allows attachment of larger components.

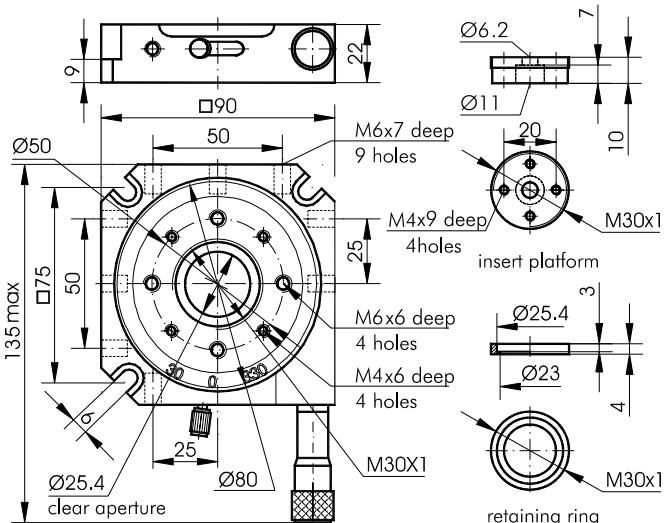


Precision Rotary Stage

7R129



- M30x1 diameter platform insert
- Two 25 mm (1 inch) retaining rings
- Centered platform insert



We offer you a fine rotary stage with micrometer screw. Fine motion range is **15°** with resolution of **1arcmin**. For coarse adjustment release the fixing screw and turn the platform.

The platform has mounting holes **M6, M4**.

It also has an aperture **M30x1** with clear aperture of **25 mm**. Two retaining rings with **1 inch** clear aperture are included.

To close the platform's aperture you can thread in an insert platform (included) with a centered clearance hole and **M6, M4** holes.

The stage can be fastened horizontally and vertically using **M6** screws.

SPECIFICATIONS

Rotation range	360°, resolution 1°
coarse	15°, resolution 1 arcmin
fine	20 arcsec
Sensitivity	1 arcmin
Reading accuracy	1 arcmin
Wobble	1 arcmin
Load capacity	
Horizontal	12 kg
Radial	5 kg
Max drive torque	0.3 kgm
Weight	0.63 kg

Available
INCH version
7R129E

2 inch Aperture Rotation Stage

7R172-2

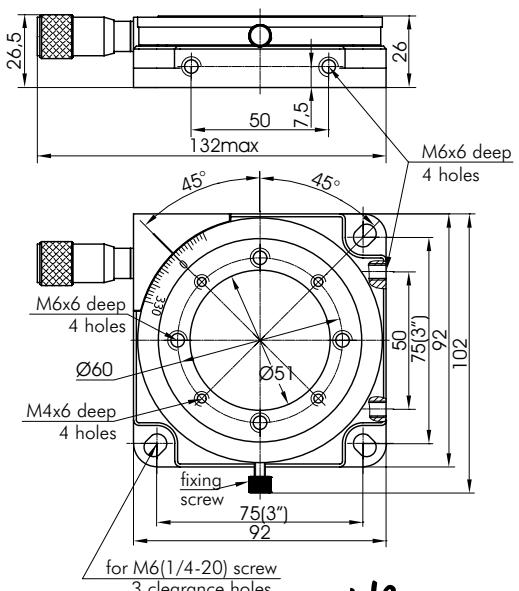


- Rolling ball movement
- 360° rotation
- 10° fine adjustment
- Ø50.8 mm (2") clear aperture

Angular position is read on 360° graduated **scale** on the platform, which is marked every 1°.

The stage has a central aperture of **Ø50.8 mm**.

For horizontal fastening three corners of the base have clearance holes for **M6** screws.



Available
INCH version
7R172E-2



2 inch Aperture Rotation Stage

7R172-2 allows full **360°** coarse rotation by hand. You may lock coarse adjustment. Then fine adjustment can be done over a range of **10°** using the micrometer.

SPECIFICATIONS

Rotation range	
fine:	10°, resolution 1 arcmin
coarse:	360°, resolution 1°
Sensitivity	20 arcsec
Reading accuracy	1 arcmin
Wobble	1 arcmin
Load capacity:	
Horizontal	15 kg
Radial	7 kg
Weight	0.58 kg

Vertical mounting: 2 sides of the base each has two **M6** holes spaced by 50 mm.



Rotation Stages



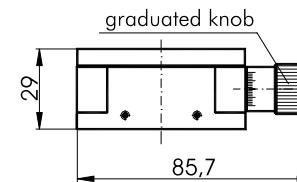
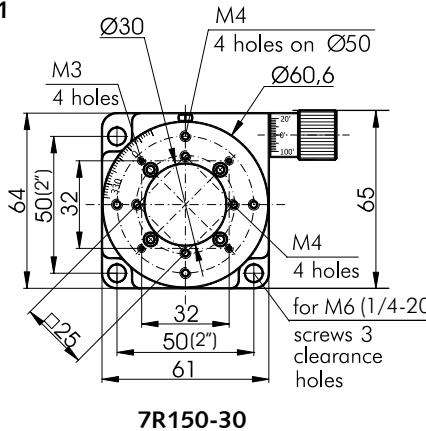
7R150-1

Available
INCH version
7R150E

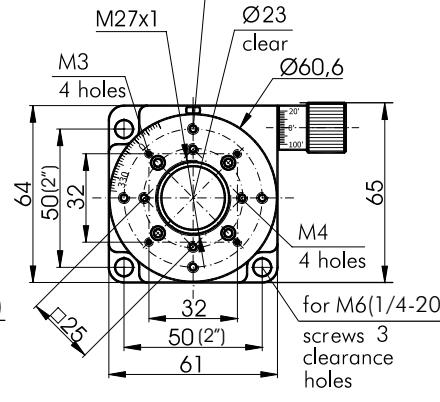
7R150-1 • 7R150-30

7R150-1 has M27x1 for 1" optics mounting ($\varnothing 23$ mm clear aperture).

7R150-30 has a 30 mm aperture in the platform.

M4
4 holes on $\varnothing 50$ 

7R150-30



7R150-1

SPECIFICATIONS

Rotation Range	360°
Sensitivity	0.4 arcmin
Reading accuracy	2 arcmin
Resolution	2 arcmin
Wobble	0.6 arcmin
Eccentricity	10 μm
Load capacity	
Horizontal	8 kg
Radial	1.7 kg
Weight	0.55 kg

AVAILABLE MOTORIZED VERSION 8MR151
page 8-42

Rotation Stage of Big Platform

7R171-200



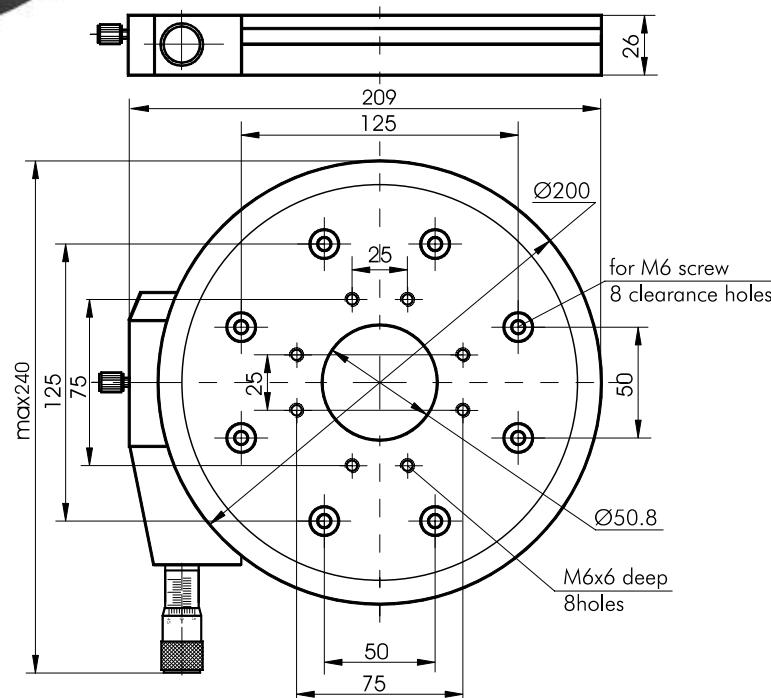
- 200 mm platform
- 360° rotation
- 10° Fine adjustment
- $\varnothing 50.8$ mm (2") clear aperture

SPECIFICATIONS

Rotation range	360°
coarse	
fine	10°
Reading accuracy	0.5 arcmin
Sensitivity	0.1 arcmin
Wobble	1 arcmin
Load capacity	
Horizontal	15 kg
Weight	2.55 kg

The **Rotation Stage of Big Platform 7R171-200** is used to rotate manually large optical components through continuous 360° with accuracy of 1°, and finely adjust them within 10° by a micrometer, with accuracy of 0.5 arcmin.

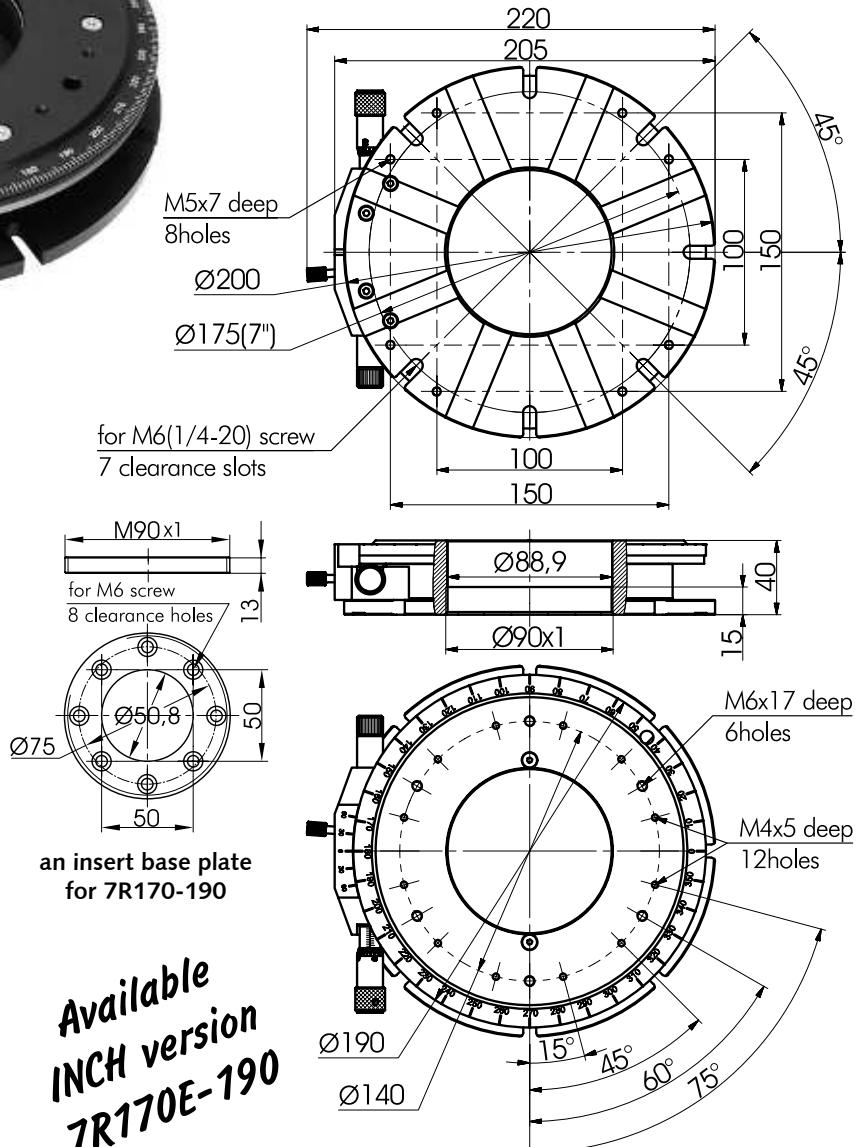
The stage has 50.8 mm clear aperture. The platform has a pattern of M6 mounting holes for components.



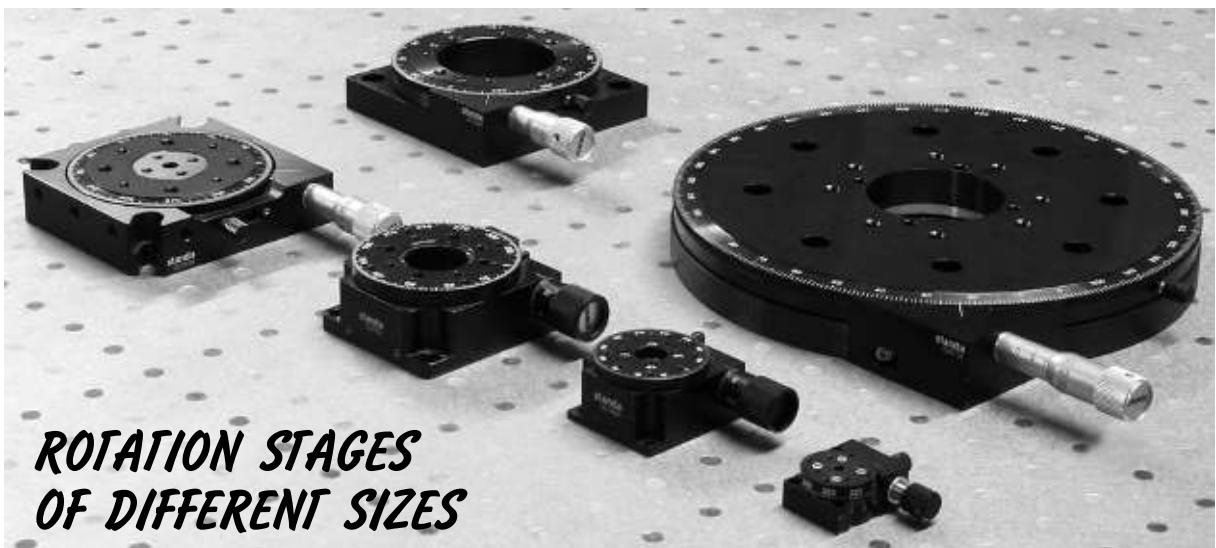
Rotation Stage of Big Platform

7R170-190


- 190 mm platform
- 360° rotation
- 10° Fine adjustment
- Ø88.9 mm clear aperture
- Available for vacuum (7R170-190V)



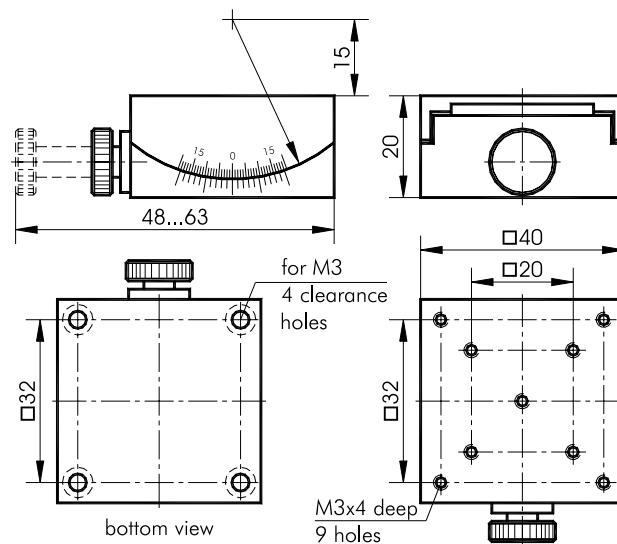
AVAILABLE MOTORIZED VERSION 8MR170-190





Small Goniometer

7G174-30



SPECIFICATIONS

	Base Mounts & Accessories	Brackets & Rails	Optical Tables
1	2	3	4
Rotation range	$\pm 15^\circ$		
Reading resolution	0.1° (vernier scale)		
Drive geometry	Lever (tangential)		
Driving screw pitch	0.25 mm		
Transmission ratio	$0^\circ 27'59'' \dots 0^\circ 30'45''$		
ratio decimal	0.4665°...0.5126°		
(the ratio is per revolution)			
Load capacity: horizontal	1 kg		
Material	Aluminium		
Finish	Black anodized		
Weight	0.1 kg		

*Available
for vacuum!*



7T67V-6-9SH137ML



7T67V-25



7T67V-25XYZ



7T164V-10



7T164V-10XYZ



7R170V-190

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