



Bike proStand

Stationary assembly fixture for bicycles, cargo bikes and e-bikes electrically operated



PICK UP | LIFT | ROTATE



Application

Bike *proStand* is a stationary, electrically operated assembly fixture for bicycles, cargo bikes and e-bikes weighing up to 40 kg. Without an electrical rotation axis it can accommodate up to 80 kg.

Advantages

- Picking up and setting down all types of bicycles from the ground with a 1470 mm electrical stroke and 360° electrical rotation axis
- Universal use due to interchangeable clamping pick-ups
- Safe working due to design according to EC Machinery Directive
- Collision shutdown
- Ergonomic working through best accessibility thanks to force-free rotation of the bicycle with electrical rotation axis

Description

Due to the sturdy, industrial quality design Bike *proStand* can be used for both assembly and repair.

The lifting and rotation axis are electrically operated. Both axes are operated with a common hand panel.

Since both axes are self-locking, each set position is held securely.

The large stroke of 1470 mm makes it possible to lift the bicycles from the ground and bring them to an optimal assembly height. The rotation axis allows endless rotation at any height. The lifting axis has a shutdown function if a collision occurs during lowering.

Hand panel

Operation is via a hand panel that actuates the functions "Up/Down" and "Rotate left/Rotate right" ("Up/Down" only with 6401 175).

There is an eyelet on the slide for hanging the hand panel. The flexible coiled cable is approx. 0.9 m long and can be pulled up to a length of 1.6 m.

Mounting to the ground

For firm standing, the base plate must be bolted to the floor (min. concrete strength class C 20/25).

With larger base plates (available on request), the assembly fixture can also be used free-standing.

Variants

Without rotation axis up to 80 kg load

Variants on request

- Double interface for tandem workstations
- Struts for fixing in the wall or ceiling (if fixing on the floor is not possible)

Accessories as per data sheet M 8.902

- Clamping pick-ups
- Holders and shelves
- Further accessories

Accessories on request

- Larger base plates
- Special clamping and mounting fixtures

 YouTube Video

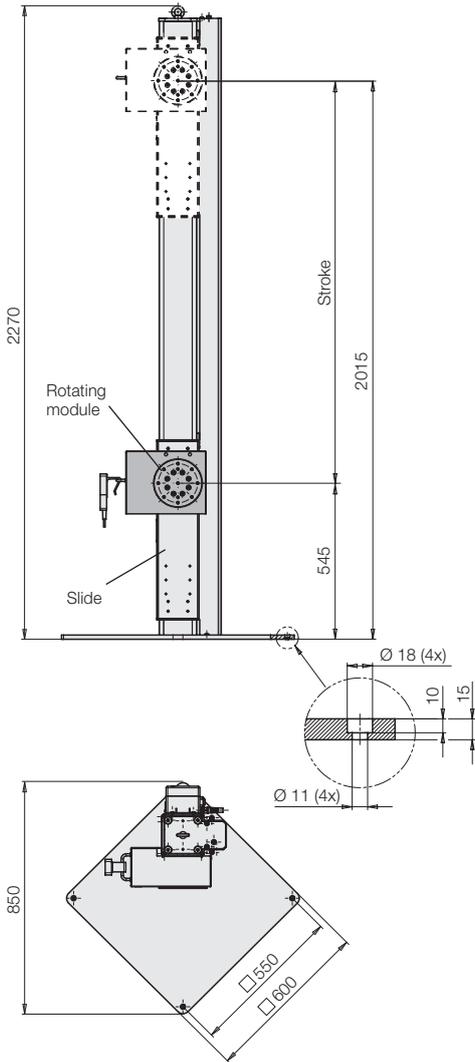
See all functions in the video



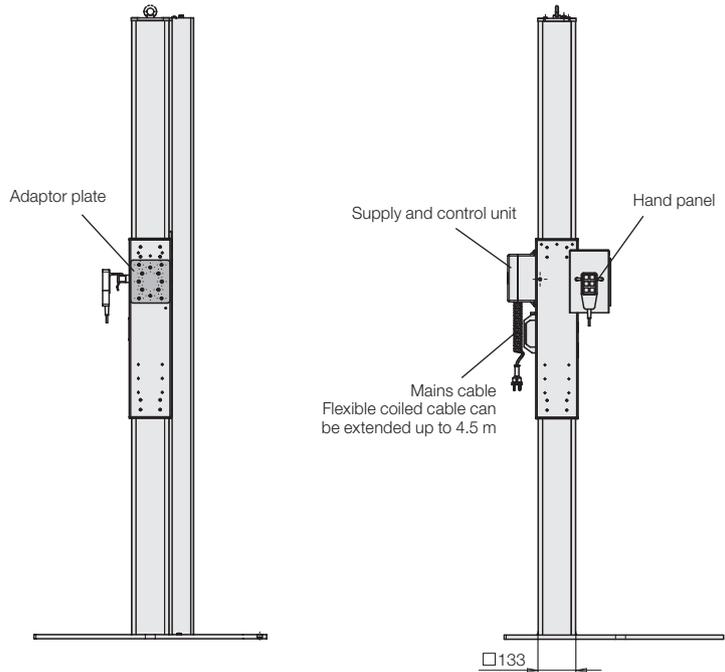
Technical data Dimensions

Dimensions

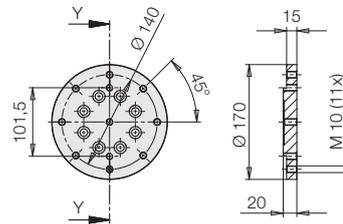
With rotation axis



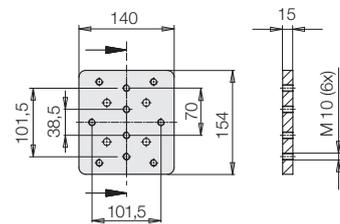
Without rotation axis



Flange rotation axis



Flange adaptor plate (variants)



Technical data

		With rotation axis	Without rotation axis
Max. bicycle weight	[kg]	40	80
Maximum permissible force application by operators	[N]	250	
Lifting drive		Electrically driven trapezoidal spindle	
Stroke	[mm]	1470	
Lifting speed (load-dependent)	[mm/s]	40 – 60	
Rotating drive		Electrically driven worm gear	
Rotation angle	[°]	360° – infinite	–
Indexing angle	[°]	Self-retaining in any position	–
Number of revolutions	[r.p.m.]	3	–
Max. driving torque of rotation axis	[Nm]	90	–
Max. bending moment	[Nm]	275	
Operating element		Hand panel with 4 push-buttons	Hand panel with 2 push-buttons
Safety concept		Moving by touch control with self-locking drive elements and collision shutdown	
Supply voltage		230 V 1P / 50 Hz (16 A fused)	
Max. relative cycle time		15 % ED	
Part no.		6401 172	6401 175

Note

Design may vary due to technical optimizations.