

Operating Instructions

PETec ProFlex

Height-Adjustable Support Stand



Machine type:	PETec Proflex
Version:	Support stand with cordless screwdriver socket on both sides and integrated gearbox / Assembly stand with hand-crank drive
Socket:	24 mm
Manufacturer:	PETec GmbH, Zum Osterfeld 6, 59872 Meschede, Germany
Version:	2026-07-06

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1 Quick Guide



Cordless screwdriver drive via gearbox connection



Hand-crank version without gearbox connection



NOTE – Height adjustment versions

Depending on the version, the assembly table is equipped either with a cordless screwdriver drive via gearbox connection or with a hand crank without gearbox. All information regarding height adjustment applies accordingly to both versions. If the cordless screwdriver drive is described in this manual, use the hand crank for height adjustment instead on the version without gearbox. Height adjustment must only be carried out in a controlled, steady manner and without jerky movements.

1.1 Raising the support stand

- Fit a 24 mm socket to the cordless screwdriver and connect it to one of the two gearbox sockets on the support stand.
- Use only a cordless screwdriver without activated impact function. Impact wrenches must not be used.
- Set the direction of rotation to “Up” according to the marking on the support stand.
- Operate the cordless screwdriver slowly and evenly until the desired height is reached.
- Stop the adjustment process immediately as soon as noticeable resistance occurs or the mechanical end position is reached.

1.2 Lowering the support stand

- Set the direction of rotation to “Down” according to the marking on the support stand.
- Before lowering, check that there are no persons, body parts or objects in the danger zone.
- Operate the cordless screwdriver slowly and evenly until the desired height is reached.
- The support stand must not be adjusted beyond the mechanical end point.

WARNING



For height adjustment, use only a cordless screwdriver with a suitable 24 mm socket. **Impact wrenches and cordless screwdrivers with activated impact function must not be used.** The impact-type load can damage the drive, gearbox or height adjustment mechanism.



NOTE

Check the load before each height adjustment

Before each height adjustment, ensure that the load is securely supported, cannot slip and that the center of gravity lies within the permissible support zone.

2 General Information

2.1 Purpose of These Operating Instructions

These operating instructions describe the safe transport, setup, commissioning, operation, care, maintenance and inspection of the PETec Proflex Extreme support stands with mechanical height adjustment via cordless screwdriver and integrated gearbox. They are intended for operators, operating personnel, maintenance personnel and qualified persons. The operating instructions are part of the support stand. They must be read and understood before starting any work. The operator must ensure that all persons involved are instructed and trained according to their task.

2.2 Explanation of Symbols and Notes

The following signal words are used in these operating instructions:

DANGER



Indicates an imminent hazard.
Failure to observe this information will result in death or very serious bodily injury (permanent disability).

WARNING



Indicates a potentially hazardous situation.
Failure to observe this information will result in death or very serious bodily injury (permanent disability).

CAUTION



Indicates a potentially hazardous situation.
Failure to observe this information may result in property damage as well as minor or moderate bodily injury.



NOTE
Indicates general notes, useful user tips and work recommendations that do not affect the safety and health of personnel.

2.3 Personnel Qualification

- Operating personnel must be instructed in the safe operation of the support stand.
- Maintenance and adjustment work may only be carried out by competent, authorized personnel.
- Inspections after repair or significant modifications must be documented by a qualified person.
- Work on load-bearing or safety-relevant components may only be carried out after approval by PETec or by appropriately qualified specialist personnel.

3 Safety

3.1 Basic Safety Instructions

WARNING

**Hazard due to improper use**

The support stand may only be used as intended. Modifications, overload, one-sided loading, operation with damaged components or undocumented repairs can lead to serious injuries and property damage

- Keep the work area clean and free of trip hazards.
- Keep unauthorized persons away from the work area.
- Carry out a visual and functional inspection before each use.
- Observe the maximum permissible load capacity and permissible load distribution.
- Do not transport or lift persons on the support stand.
- Do not stand under a raised load or under moving parts.
- Avoid crushing and shearing points in the area of the height adjustment, rollers, adjustable feet and support surface.
- If unusual noises, stiffness, visible damage or unclear function occur, take the support stand out of service immediately.

3.2 Intended Use

The PETec Proflex Extreme is intended as a height-adjustable support stand for supporting, positioning and bracing components. The customer-side support surface, workpiece fixture and load securing must be suitable and checked for the respective workpiece.

Height adjustment is performed mechanically using a cordless screwdriver with a 24 mm socket at one of the gearbox sockets on either side. Height adjustment can also be performed under load within the permissible working range, provided that the load is securely supported and the permissible load capacity and center-of-gravity position are observed.

Intended use includes compliance with these operating instructions, the company safety instructions, maintenance intervals and documented inspections.

3.3 Improper Use

- Transporting persons or remaining on the support stand or on the load during height adjustment.
- Exceeding the permissible load capacity or operation with impermissible load distribution.
- Operation on unsuitable, non-load-bearing or uneven ground.
- Moving the support stand outside the lowered transport position or with an unsecured load.
- Use as a lifting platform, ladder, attachment point, crane substitute or press device.
- Simultaneously driving both gearbox sockets.
- Operation with damaged gearboxes, spindles, rollers, adjustable feet, supports or protective components.
- Unauthorized modifications on load-bearing or safety-relevant components

3.4 Personal Protective Equipment

Safety shoes during transport, setup and work with heavy workpieces.

Protective gloves during assembly, cleaning and maintenance work.

Safety goggles during cleaning, lubrication or adjustment work.

Tight-fitting clothing; secure jewelry, loose straps and long hair.

3.5 Residual Hazards

Hazard	Cause	Measure
Crushing / Shearing	Height adjustment, guides, rollers, underside of table	Keep hands and body parts out of the danger zone; do not reach into the mechanism during movement.
Tipping / Instability	Overload, one-sided load, unsuitable ground	Check load capacity, center of gravity and ground; set up table level.
Entanglement	Rotating drive elements and tool holder	Guide the cordless screwdriver securely; avoid loose clothing; do not remove covers.
Falling parts	Unsecured workpieces or attachments	Secure workpieces; do not overload the table top.
Loss of function	Wear, lack of maintenance, incorrect setting	Regular maintenance; take out of service in the event of a fault.
Uncontrolled movement	Castors touch the floor in the lowest position	Use the transport position only in a controlled manner; keep the rolling path clear; secure or remove the load.

3.6 Safety Marking

Safety labels may be attached to the danger zones of the support stand. They must not be removed, covered or allowed to become illegible.



Caution: crushing hazard!



Observe the maximum load capacity and do not exceed it!

4 Product Description

4.1 Design and Main Assemblies

Depending on the version, the work table consists of a load-bearing steel frame, a table-top support or customer-specific work surface, a mechanical height adjustment system with guide elements, heavy-duty castors or adjustable machine feet, and a drive interface for the cordless screwdriver.

- ① Steel frame
- ② Cordless screwdriver socket
- ③ Heavy-duty castors
- ④ Adjustable machine feet

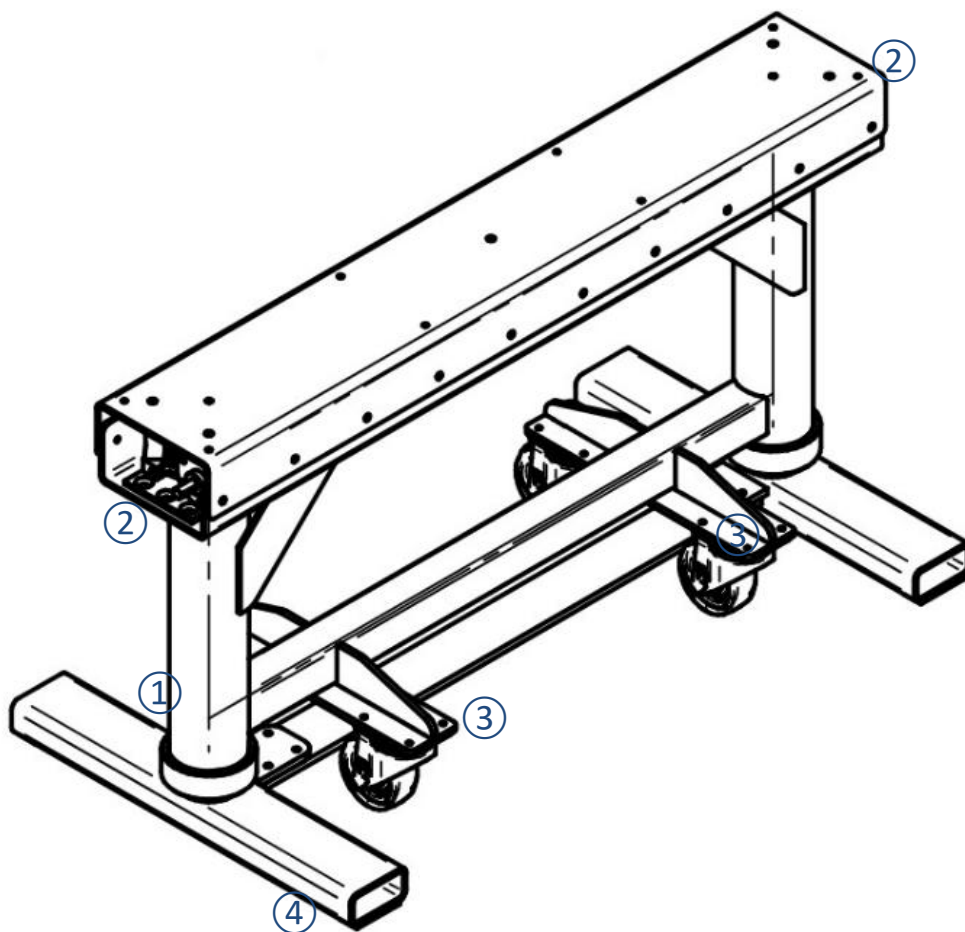


Figure: Basic design of the PETec Proflex Extreme support stand. The actual version may vary depending on the project and support surface.

4.2 Technical Data



Important

The binding technical data are specified on the type plate, in the data sheet and in the order documents for the respective table.

Designation	Value / Version
Machine type	PETec Proflex Extreme
Version	Height-adjustable support stand with integrated gearbox and cordless screwdriver socket on both sides
Drive	Mechanical by cordless screwdriver, 24 mm socket; without impact function
Dimensions	project-specific, example version: width 180 mm, length 1000 mm
Height adjustment	infinitely variable, example version: 690 mm + 400 mm stroke
Support stand load capacity	up to 2,000 kg per support stand, depending on center of gravity, support surface and version
Castor load capacity	up to 2,000 kg depending on version; transport only according to approval and operating instructions
Weight	project-specific, example version approx. 135 kg
Operating voltage	none; purely mechanical system
Support surface material	steel / customer-specific support surface, optional hole pattern according to customer request
Year of manufacture / version	

5 Transport, Setup and Choice of Location

5.1 Transport

- Move the support stand only with suitable lifting and transport equipment.
- Check dead weight, center of gravity and lifting points before lifting.
- Secure the support stand against tipping, rolling away and slipping.
- Do not stand under suspended loads.

5.2 Choice of Location

- The ground must be level, load-bearing, clean and slip-resistant.
- Keep escape routes and traffic routes clear.
- Provide sufficient space for operation, height adjustment, maintenance and workpiece movement.
- Keep the surroundings free of obstacles so that no collision occurs during adjustment.

5.3 Alignment and Adjustment

- Place the support stand on load-bearing ground.
- Position the support stand in the working position so that the adjustable feet are fully and securely supported.
- When using several support stands: coordinate height, parallelism and support points with each other.
- Before applying the first load, check that there is no wobbling, jamming or impermissible play.

CAUTION



Ensure stable standing

During work operation, the support stand may only be operated in a stable and level position. Operation on sloping, soft or dirty ground is not permitted.

6 Commissioning

6.1 Inspection Before Initial Commissioning

- Check completeness and visible damage.
- Check gearbox sockets, spindles, rollers and adjustable feet for proper condition.
- Check free movement of the height adjustment without load.
- Check markings, safety labels and load capacity information.
- Have a suitable cordless screwdriver and matching 24 mm socket ready.
- Prepare the operator's operating instruction and instruct personnel.

6.2 Initial Commissioning Checklist

No.	Inspection point	OK / not OK	Remark
1	Operating instructions available	[]	
2	Personnel instructed	[]	
3	Location load-bearing and level	[]	
4	Table aligned	[]	
5	Free movement checked	[]	
6	Drive interface checked	[]	
7	Guide rails checked	[]	
8	Chain / drive checked	[]	

7 Operation and Height Adjustment

7.1 Operating Principle

Height adjustment is carried out via an integrated mechanical gearbox. The cordless screwdriver is fitted with a 24 mm socket and placed on one of the two side gearbox sockets. Depending on the direction of rotation, the support stand moves up or down.

Both sides of the support stand are designed as operating sides. However, only one gearbox socket may be operated at a time. Simultaneous drive from both sides is not permitted.

7.2 Suitable Cordless Screwdrivers

For reliable and quick height adjustment, we recommend a professional cordless screwdriver with 18 V battery and at least 2,000 rpm. With devices that are too weak, adjustment is only slow or uneven. We also recommend using a brushless cordless screwdriver, as it is more efficient, has a longer service life and provides more consistent torque.



NOTE

For combination tools with hammer-drill or impact-wrench function, always use screwdriving mode - never impact mode, as this can damage the mechanism.

WARNING - Crushing hazard



During height adjustment, no hands, tools, cables or body parts may be located in the movement range of the table. The operator must observe the entire movement range.

7.3 Performing Height Adjustment

Check the work area and direct persons out of the danger zone.

Secure the load and workpieces against slipping.
Set the cordless screwdriver to a suitable gear and suitable torque setting.
Fit the 24 mm socket or adapter fully and straight.
Guide the cordless screwdriver securely with both hands and start slowly.
Move the support stand to the desired height. Observe the movement continuously.
If noticeably increased resistance occurs or the end position is reached, stop immediately.

Raising the support stand

Fit a 24 mm socket to the cordless screwdriver and connect it to the drive of the support stand.
Use only a cordless screwdriver without activated impact function. The impact function must not be used, as it can damage the drive.
Set the cordless screwdriver to the "Up" direction of rotation according to the marking on the table. Operate the cordless screwdriver slowly and evenly until the desired working height is reached.
Drive the table upward only until the desired position is reached or slight resistance is felt. Once the end point has been reached, do not continue turning.

Lowering the support stand

Set the cordless screwdriver to the "Down" direction of rotation according to the marking on the support stand.
Operate the cordless screwdriver slowly and evenly until the desired working height is reached.
When lowering, make sure that there are no persons, objects or body parts under the support stand.
For versions with castors, the table can be lowered until the table feet lift off the floor and the support stand rests on the castors. The table may only be moved in this lowered transport position.

7.4 Operation from Both Sides

The Proflex Extreme can be adjusted from both sides via the respective gearbox socket. This makes operation easier depending on setup and workpiece. Before changing the operating side, the cordless screwdriver must be fully removed. The second side must not be driven or blocked at the same time.

7.5 Working with Multiple Support Stands

If several Proflex Extreme support stands are used together, height, load distribution and support points must be coordinated with each other. Height changes must be carried out slowly and in a controlled manner. The load must not jam or lift on one side.

- Use several persons for long or heavy workpieces.
- Keep height differences between the support stands small.
- Secure the workpiece against rolling, slipping or tipping.
- Observe the center-of-gravity position during the entire adjustment.

7.6 Moving the support stand

The integrated castors are arranged so that they touch the floor in the lower position. This allows the support stand to be moved in the lowered transport position. In the working position, the support stand rests on the adjustable feet.

WARNING

Observe transport position

The support stand may only be moved in the fully lowered transport position. Before moving, the load must be secured or removed. If the center-of-gravity position is uncertain, the support stand must not be moved.

- Lower the support stand completely until the castors touch the floor.
- Check that the travel path is clean, level and free of obstacles.
- Secure or remove the load.
- Push the support stand slowly and in a controlled manner; do not pull, push abruptly or move jerkily.
- After moving, return the support stand to the working position so that the adjustable feet are securely supported.

8 Care, Maintenance and Inspection

8.1 Principles

Regular care and maintenance preserve function, reduce wear and contribute to operational safety. Maintenance and servicing work must be documented. Damaged or worn safety-relevant components must not continue to be used.

8.2 Maintenance Schedule

Interval	Activity	Performed by
Before each use	Visual inspection for damage, secure fit, deformation, foreign objects and free movement path	Operator
Before each use	Function Up / Down without unusual noises or stiffness	Operator
Monthly	Check gearbox sockets, rollers, adjustable feet and fastenings	Competent person
Every six months	Clean mechanism and check suitable lubrication points according to manufacturer specifications	Competent person
Annually	Documented overall inspection according to company risk assessment	Qualified person
After fault / repair	Functional test and documentation before recommissioning	Qualified person

8.3 Cleaning

- Regularly clean chips, dust, dirt and foreign objects from the support stand.
- Do not use aggressive or corrosive cleaning agents.
- Dry after wet cleaning and observe corrosion protection.
- Keep safety labels clean and legible.

8.4 Lubrication

Lubrication points depend on the specific version. Use suitable lubricants only sparingly and according to PETec specifications. Remove dirty or resinified lubricants. Do not apply lubricants to running surfaces where they create a slipping hazard.

9 Troubleshooting

Fault	Possible cause	Measure
Support stand is difficult to adjust	Overload, incorrect center-of-gravity position, contamination, damage	Stop adjustment, check load, clean, if necessary take out of service and have checked by a competent person.
Unusual noises	Gearbox, spindle or bearing contaminated/damaged	Do not continue operating the support stand; check and document the cause.
Cordless screwdriver slips off	Incorrect socket, worn socket interface, angled position	Use matching 24 mm socket, align correctly, check socket interface.
Support stand is unstable	Uneven ground, adjustable feet not securely supported, transport position	Lower/align support stand, check ground, ensure stable standing.
Castors blocked	Foreign objects, damage, overload	Clean travel path, check rollers, do not move support stand by force.
End position reached	Mechanical stop	Stop immediately; do not continue turning.

WARNING



Always take faults seriously

If function is unclear or visible deformation or damage is present, the support stand must be taken out of service and secured against use.

10 Decommissioning, Dismantling and Disposal

10.1 Temporary Decommissioning

Clean the support stand and store it dry.
Protect moving components against corrosion.
Secure the support stand against unauthorized use.
For longer storage, carry out regular visual inspections.

10.2 Dismantling

Dismantling work may only be carried out by qualified personnel. Before dismantling, loads must be removed, moving parts secured and suitable lifting equipment provided. Contact PETec in case of uncertainty.

10.3 Disposal

Components, lubricants and packaging material must be disposed of in accordance with locally applicable regulations. Metallic components can usually be sent for material recycling. Lubricants, contaminated cloths and operating materials must be disposed of separately.

11 Spare Parts and Customer Service

For spare parts and customer service, please contact:

PETec GmbH
 Zum Osterfeld 6
 59872 Meschede
 Germany
 Phone: +49 291 95277807
 Internet: www.petec-gmbh.de

When requesting spare parts, please state the machine type, year of manufacture, order number or machine number, a description of the fault and, if possible, photos of the affected assembly.

12 Documentation: Instruction, Maintenance, Inspection

12.1 Instruction Record

No.	Name	Date	Instructed by	Signature
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

12.2 Maintenance and Servicing Log

Date	Machine type / No.	Work performed	Name / function	Signature

12.3 Inspection Record

Inspection date	Scope of inspection	Result / defects	Inspector / signature

13 EC Declaration of Conformity

Original Declaration of Conformity

Manufacturer / authorized representative:

Company name: PETec GmbH
Street: Zum Osterfeld 6
Place: 59872 Meschede
Country: Germany

Authorized person for compiling the technical documentation: Name, function, company name:
Christian Plett, Managing Director
Street: Zum Osterfeld 6
Ort: 59872 Meschede
Country: Germany

Product:

Mechanically Height-adjustable
Montagebock Proflex Extreme

We hereby declare that the machine described above complies with the relevant provisions of Directive 2006/42/EC and that the essential health and safety requirements of Annex I have been met. Other applied directives and harmonized standards:

EN ISO 12100 Safety of machinery

General principles for design - Risk assessment and risk reduction

Place, date

Meschede 02.06.2026

Christian Plett / Managing Director

First name, surname, function

