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Installation instructions Platform



KERN KFP V20

Type TKFP-V20-A (For use in platform scales of the IXC-EX2 series)

Version 1.0

2026-06

en



TKFP-V20-EX2-A-IA-e-2610



KERN KFP V20

Platform

Version 1.0 2026-06

Installation Guide

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1 General

These installation instructions contain all the information required for the installation and commissioning of the following platforms:

KERN TKFP 3V20M-A

KERN TKFP 6V20M-A, TKFP 6V20LM-A

KERN TKFP 15V20M-A, TKFP 15V20LM-A

KERN TKFP 30V20M-A, TKFP 30V20LM-A

KERN TKFP 60V20M-A, TKFP 60V20LM-A

KERN TKFP 150V20M-A, TKFP 150V20LM-A

KERN TKFP 300V20M-A

KERN TKFP 600V20M-A

2 Technical data

Item number / Type	Weighing range Max kg	Readabi- lity d g	Calibra- tion va- lue e g	Min. load Min g	Cable length approx. m	Transport lock
TKFP 3V20M-A	3	0.1	1	20	3.0	yes
TKFP 6V20M-A	6	0.2	1; 2	20; 40	3.0	yes
TKFP 6V20LM-A	6	0.2	1; 2	20; 40	3.0	yes
TKFP 15V20M-A	6; 15	0.5	2; 5	40; 100	3.0	yes
TKFP 15V20LM-A	6; 15	0.5	2; 5	40; 100	3.0	yes
TKFP 30V20M-A	15; 30	1	5; 10	100; 200	3.0	yes
TKFP 30V20LM-A	15; 30	1	5; 10	100; 200	3.0	yes
TKFP 60V20M-A	30; 60	2	10; 20	200; 400	3.0	no
TKFP 60V20LM-A	30; 60	2	10; 20	200; 400	3.0	no
TKFP 150V20M-A	60; 150	5	20; 50	400; 1000	3.0	no
TKFP 150V20LM-A	60; 150	5	20; 50	400; 1000	3.0	no
TKFP 300V20M-A	150; 300	10	50; 100	1000; 2000	3.0	no
TKFP 600V20M-A	600	20	200	4000	2.5	no

2.1 Technical data of the load cell

Sensitivity		2 mV/V
Input resistance (all TKFP models*)		409 Ω
*except	TKFP 60V20M-A	406 Ω
*except	TKFP 600V20M-A	400 Ω
Output resistance (all TKFP models*)		350 Ω
*except	TKFP 600V20M-A	400 Ω
Power supply (all TKFP models*)		5 – 12 V AC/DC
*except	TKFP 15V20LM-A	5 – 12 V DC
*except	TKFP 600V20M-A	5 V AC/DC
Accuracy class		C

3 Safety instructions

3.1 Observe the instructions in the operating manual



Read the operating instructions carefully before installation and commissioning, even if you already have experience with KERN scales.

3.2 Staff training

The device must only be operated and maintained by trained staff.

Planning, installation, maintenance and repair must only be carried out by qualified personnel with the necessary and up-to-date knowledge of explosion protection. The qualified personnel must also have sound knowledge of handling scales.



Please observe EN 60079-14 and any country-specific requirements (Germany: Technical Rules for Operational Safety TRBS 1203).

3.3 Notes on explosion protection

- Observe the ATEX directives, the applicable standards and the local safety and accident prevention regulations during selection, installation, maintenance, repair and operation.
- The device complies with Ex Category 3 and may only be used in Zones 2 and 22.
- Do not install the device in areas where high levels of electrostatic charge are to be expected.
- Protect the device from prolonged exposure to UV radiation (sunlight).
- Do not connect or disconnect the terminals whilst they are live.
- Use a damp cloth for cleaning.
- Do not use solvents to clean plastic surfaces.
- Use only original KERN spare parts.
- Use the equipotential bonding terminal on the evaluation unit and on the platform.
- Avoid pulling on the cable gland.

4 General information

4.1 Documentation

These installation instructions contain all the information required for the installation and commissioning of the platform.

When used in conjunction with a display unit, hereinafter referred to as the weighing system, please refer to the display unit's manual for operation and configuration.

4.2 Intended use

The platform you have purchased is designed to determine the weight of weighing goods. It is intended for use as a “non-automatic balance”, i.e. the weighing goods are placed manually, carefully and centrally on the weighing plate. Once a stable weight has been reached, the weight can be read.

The platform is intended for use in platform scales of the IXC-EX2 model series.

4.3 Improper use

- Our scales are non-automatic scales and are not intended for use in dynamic weighing processes. However, the scales may also be used for dynamic weighing processes following a review of the specific application and, in particular, the accuracy requirements of the application.
- Avoid impacts and overloading of the weighing system beyond the specified maximum load (Max), minus any existing tare load, at all costs. This could damage the weighing system.
- The weighing system must not be structurally modified. This may lead to incorrect weighing results, safety defects and damage to the balance.
- The weighing system must only be used in accordance with the specifications described. Any deviating areas of use/application must be approved in writing by KERN.

4.4 Warranty

The warranty shall lapse in the event of

- Failure to comply with our specifications in the operating instructions
- Use outside the described applications
- Structural modifications to the device
- Mechanical damage and damage caused by media or liquids
- Natural wear and tear
- Incorrect installation or electrical wiring
- Overloading of the measuring system

4.5 Test equipment monitoring

As part of quality assurance, the metrological characteristics of the weighing system and any test weights must be checked at regular . The responsible user must define a suitable interval for this, as well as the nature and

scope of the test. Information regarding the monitoring of weighing systems and the test weights required for this purpose is available on the KERN website (www.kern-sohn.com). KERN can calibrate test weights and weighing systems quickly and cost-effectively in its accredited DKD calibration laboratory (traceability to the national standard).

5 Transport and storage

5.1 Inspection on delivery

Please check the packaging immediately upon receipt and the device when unpacking for any visible external damage.

5.2 Packaging/Return



- ⇒ Keep all parts of the original packaging in case return transport is necessary.
 - ⇒ Only the original packaging must be used for return shipping.
 - ⇒ Before dispatch, disconnect all connected cables and remove any loose or movable parts.
 - ⇒ Reattach any transport securing devices provided.
 - ⇒ Secure all parts to prevent them from slipping and being damaged.
-

6 Unpacking, installation and commissioning

6.1 Installation site, place of use

The platforms are designed to provide reliable weighing results under normal operating conditions.

You will work accurately and quickly if you choose the right location for your weighing system.

At the installation site, please note the following:

- Place the weighing system on a stable, level surface. The surface must be able to safely support the weight of the platform at its maximum load at the contact points. At the same time, it should be stable enough to prevent vibrations during weighing operations. This also applies when installing the platform in conveyor systems and similar setups.
- Where possible, there should be no vibrations at the installation site, e.g. from neighbouring machinery.
- Avoid extreme heat and temperature fluctuations, e.g. caused by positioning the system next to a heater or in direct sunlight.
- Protect the weighing system from direct draughts, e.g. from open windows and doors.
- Use the weighing system only in a dry environment; protect it from high humidity, vapours and dust.
- The platform must have stabilised at room temperature before the power supply is switched on.
- Do not expose the device to high humidity for prolonged periods. Unauthorised condensation (condensation of air moisture on the device) may occur if a cold device is moved into a significantly warmer environment. In this case, allow the device, disconnected from the mains, to acclimatise at room temperature for approx. 2 hours.
- Avoid vibrations during weighing.
- Avoid static charging of the sample and the weighing pan.
- Keep chemicals (e.g. liquids or gases) that could corrode or damage the balance internally or externally away from the balance.
- Take the device's IP rating into account.
- In the event of electromagnetic fields (e.g. from mobile phones or radio equipment), static charge (e.g. when weighing/counting plastic parts) or an unstable power supply, significant display deviations (incorrect weighing results and damage to the balance) are possible. The location must then be changed or the source of interference eliminated.

6.2 Unpacking, contents of the package

Remove the base and weighing plate from the packaging, remove the packaging material and set up the balance at the designated workstation. Check that all parts included in the scope of delivery are present and undamaged.

Scope of delivery:

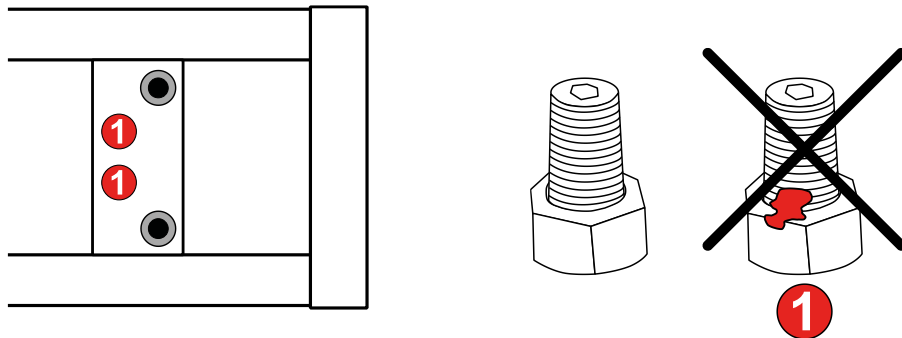
- Base (painted steel)
- Weighing plate (stainless steel)
- Installation instructions

6.3 Transport securing

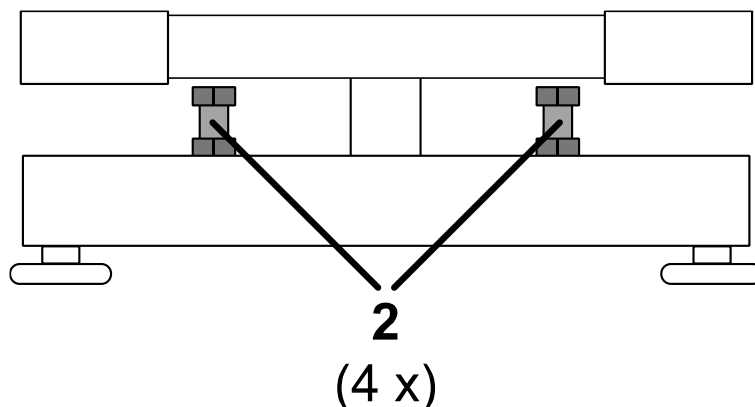


General information on transport locks:

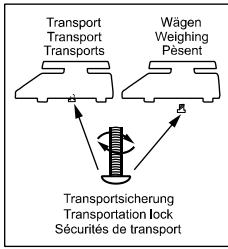
- Please refer to the Technical Data, section '2' to check whether your balance has a transport lock.
- There are various types of transport locks on KERN scales. Please observe the instructions explained in this chapter.
- Never remove any screws other than those for the transport lock, as this could damage the balance.
- Sealed screws **(1)** must not be loosened. You can identify sealed screws by the sealing wax (colour may vary).



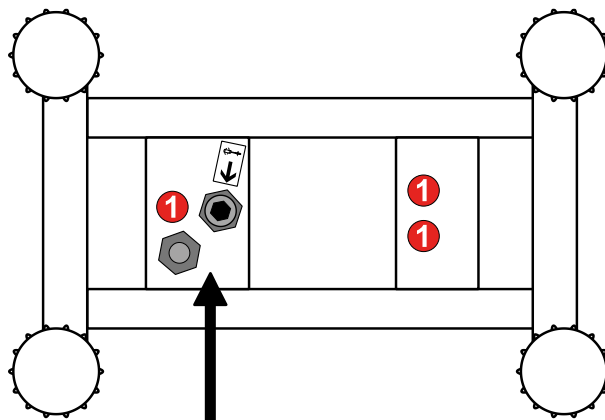
- Corner load stops **(2)** must not be removed, as this could damage the scales. The corner load stops are located between the upper and lower sections of the platform. They consist of a bolt and a nut.



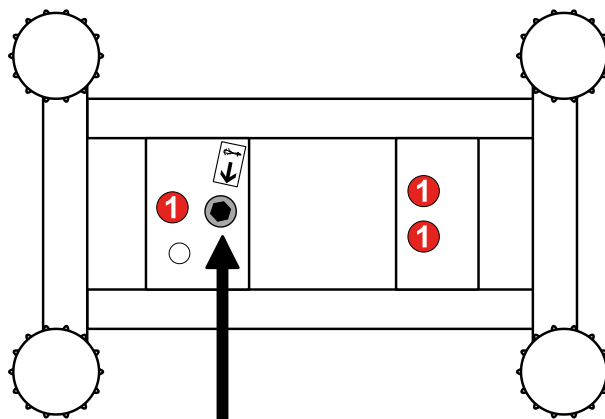
Variant 1:

Note on transport lock	
Type of transport lock	• 1 x hexagon screw on the top with nut • 1 x hexagon socket set screw on the underside with nut

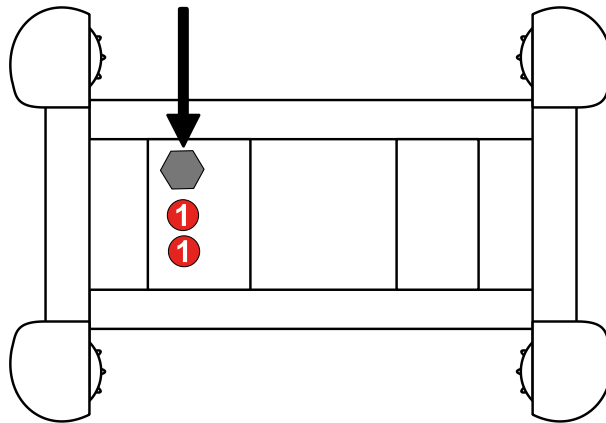
1. Remove the weighing plate.
2. Turn the balance over so that the underside is facing you.
3. The position of the transport locks is marked with an arrow.
4. Remove the nuts from the transport locks on the underside.



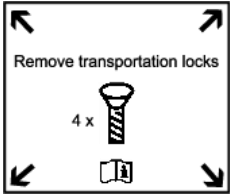
5. Remove the threaded pin on the underside.



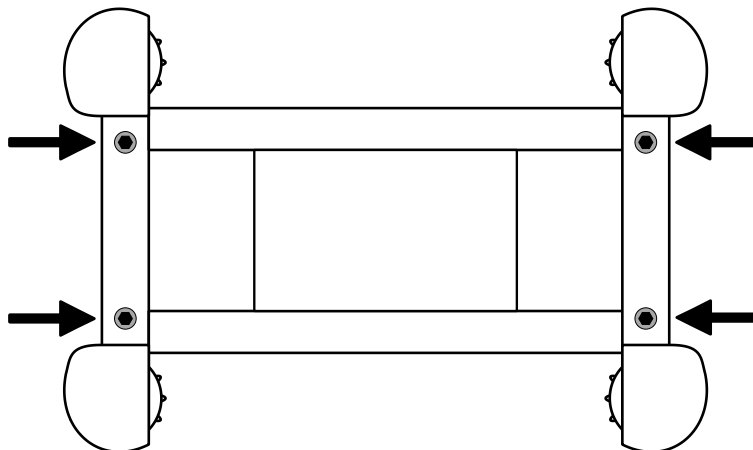
6. Turn the balance over so that the top is facing you.
7. Remove the hexagon screw on the top.



Option 2:

Note on transport lock	
Type of transport lock	• 4 x hexagon socket head cap screws on the top

1. Remove the weighing plate.
2. Remove the transport locks.

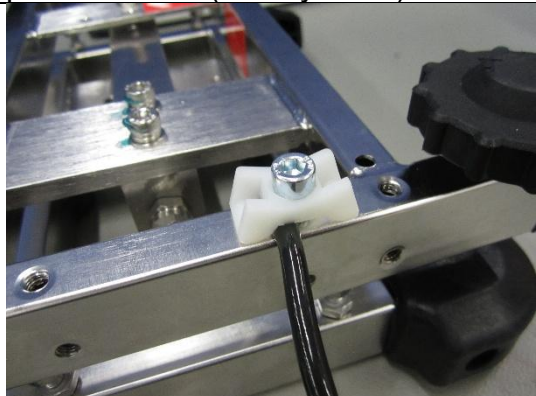
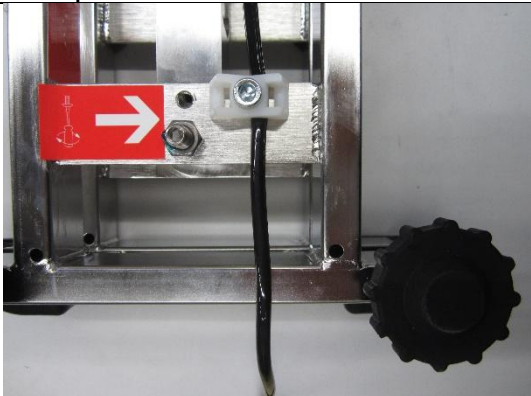


6.4 Tripod mounting

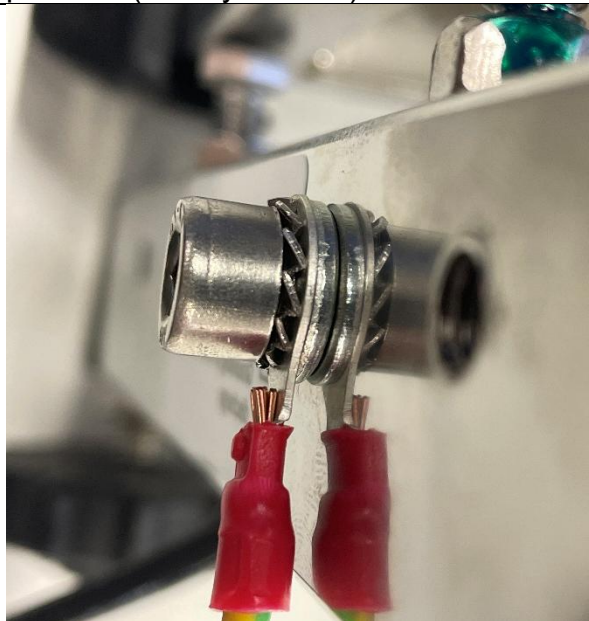
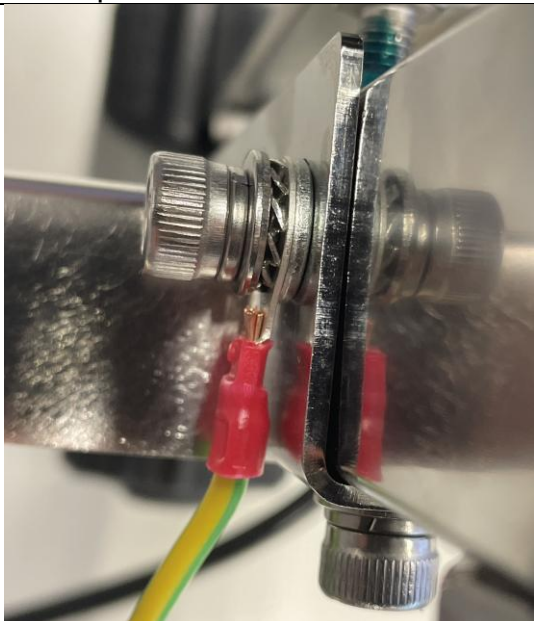
On the IXC-EX2 series platform balances, the load cell cable is secured to the platform base with a plastic clip to provide strain relief.

Move the plastic clip to the position of the transport lock if you require this attachment for tripod mounting. This applies only to the following models:

TKFP 15V20LM-A, TKFP 15V20M-A, TKFP 30V20M-A, TKFP 30V20SM-A, TKFP 3V20M-A, TKFP 600V20M-A, TKFP 60V20M-A, TKFP 6V20LM-A and TKFP 6V20M-A

Installation of the strain relief on the platform base (factory-fitted)	Strain relief at the position of the transport lock
	

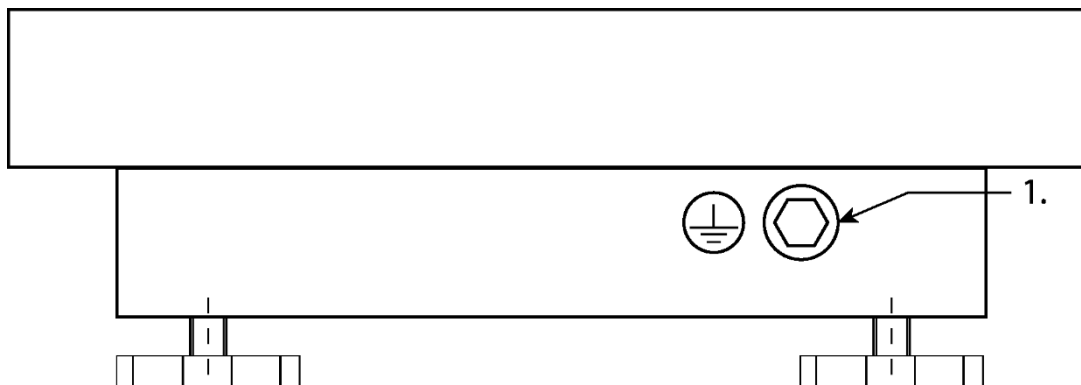
The equipotential bonding must then be removed from the platform in order to fit the tripod base. When installing the tripod, the tripod screw is used to refit the equipotential bonding as follows:

Fitting the equipotential bonding to the platform (factory version)	Equipotential bonding on the platform with tripod
	

You can then continue with the procedure described in the tripod installation instructions.

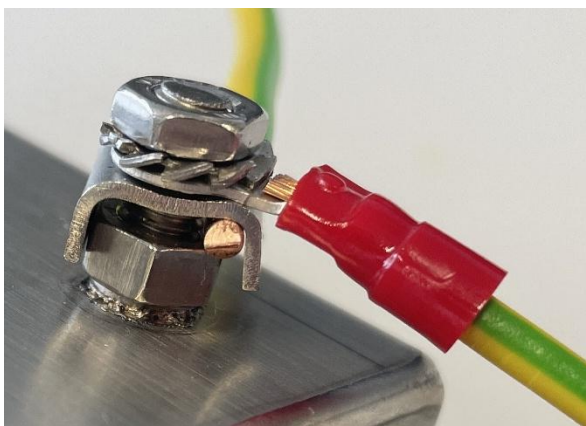
6.5 Equipotential bonding

The platform for the IXC-EX2 series has a connection for the equipotential bonding (item 1).



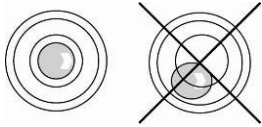
The base of the platform balance must be electrically connected to the system's equipotential bonding via the M6 screw (item 1).

The weighing plate is electrically connected to the base via a spring.

Marking of PA connection on the indicator	Earthing connection on the balance with information sign
	
Connection type: PA connection on the evaluation unit	Type of connection for the earth connection on the scale
	

6.6 Levelling

Only a platform that is precisely horizontal will provide accurate weighing results. The platform must be levelled during initial installation and whenever the scale is moved to a new location.



- ⇒ As the spirit level is located beneath the weighing plate, remove the plate.
- ⇒ Align the platform using the levelling feet until the air bubble in the spirit level is within the prescribed circle.
- ⇒ Once levelling is complete, replace the weighing plate.

7 Operation

Information on

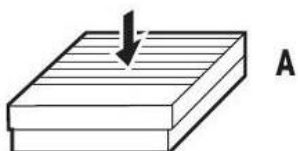
- **Power supply**
(Power is supplied via the connection cable of the signal conditioning unit)
- **Initial commissioning**
- **Connection of peripheral devices**
- **Adjustment, linearisation and calibration**

and correct operation can be found in the operating instructions supplied with the signal conditioning instrument.

8 Operating limits

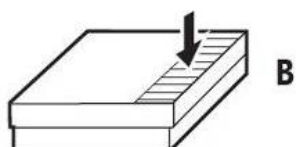
The platform is robustly constructed so that occasional exceeding of the maximum weighing load will not cause any damage.

The static load capacity, i.e. the maximum permissible load, depends on the type of load application (positions A – C). The maximum static load capacity must not be exceeded.



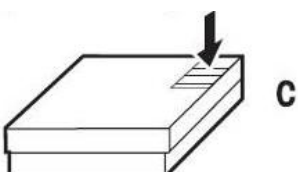
A

A = for centred load



B

B = for a lateral load



C

C = for one-sided load



Avoid falling loads, shock loads and lateral impacts.

Observe the following operating limits:

Item number / Type	A	B	C
TKFP 3V20M-A	4 kg	3 kg	1 kg
TKFP 6V20M-A	9 kg	6 kg	3 kg
TKFP 6V20LM-A	9 kg	6 kg	3 kg
TKFP 15V20M-A	22 kg	15 kg	7 kg
TKFP 15V20LM-A	22 kg	15 kg	7 kg
TKFP 30V20M-A	45 kg	30 kg	15 kg
TKFP 30V20LM-A	45 kg	30 kg	15 kg
TKFP 60V20M-A	90 kg	60 kg	30 kg
TKFP 60V20LM-A	90 kg	60 kg	30 kg
TKFP 150V20M-A	225 kg	150 kg	75 kg
TKFP 150V20LM-A	225 kg	150 kg	75 kg
TKFP 300V20M-A	450 kg	300 kg	150 kg
TKFP 600V20M-A	900 kg	600 kg	300 kg

9 Maintenance, servicing, disposal



Disconnect the unit from the mains supply before carrying out any maintenance, cleaning or repair work.

9.1 Cleaning

- ⇒ Clean the platform with a soft cloth dampened with a mild cleaning agent.
- ⇒ Remove the weighing plate and remove any dirt and foreign objects from underneath. Do not use any hard objects for this.
- ⇒ Regularly remove substances that cause corrosion.
- ⇒ Observe IP protection.

9.2 Maintenance, servicing , repair

For personnel requirements, see Chapter 3.2

- ⇒ Ensure that the weighing system is calibrated regularly; see Chapter 4.5 Calibration of measuring equipment.

9.3 Disposal

- ⇒ The operator must dispose of packaging and the device in accordance with the applicable national or regional legislation at the user's location.

10 Troubleshooting guide

If a fault occurs during the program sequence, the balance should be switched off briefly and disconnected from the mains. The weighing process must then be restarted from the beginning.

Help:

Problem

Possible cause

The weight display keeps changing

- Draughts/air movements
- Vibrations in the floor
- The platform is in contact with foreign objects.
- Electromagnetic fields/static charge (choose a different location / switch off the interfering device if possible)

The weighing result is clearly incorrect

- No zero reading when the scale is unloaded
- The calibration is no longer correct.
- There are significant temperature fluctuations.
- The platform is not level.
- Electromagnetic fields / static charge (Choose a different location / switch off interfering equipment if possible)

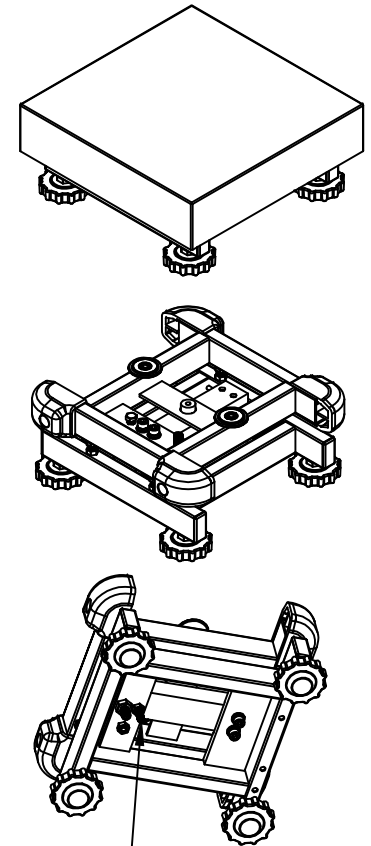
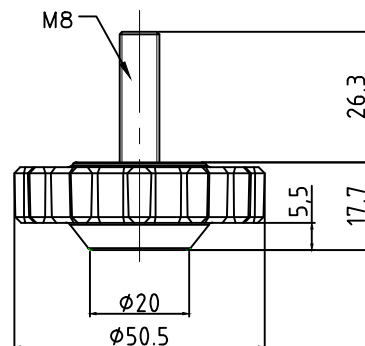
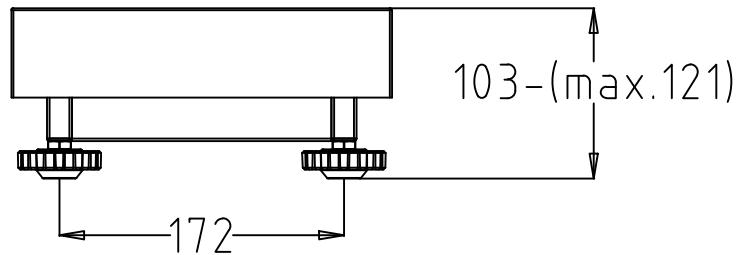
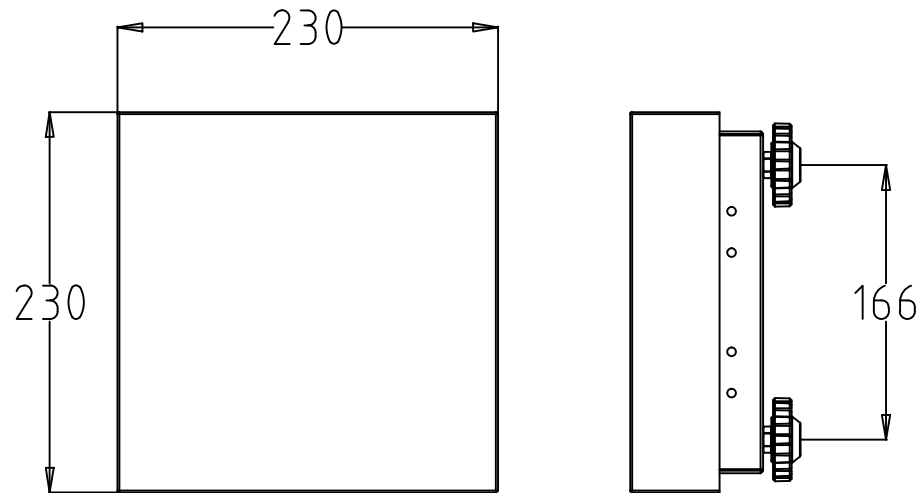
11 Preload, deadload and overload settings

Item number / Type	Deadload** (kg) **= preload already applied	Centric overload protection (kg)	Corner overload protection (kg)	Minimum capacity of the load cell E _{min} (kg)	Maximum load cell capacity E _{max} (kg)
TKFP 3V20M-A	1.7	-	3.6	0	5
TKFP 6V20M-A	1.7	-	7.2	0	10
TKFP 6V20LM-A	2.6	-	7.2	0	10
TKFP 15V20M-A	2.6	-	18	0	20
TKFP 15V20LM-A	3.3	-	18	0	20
TKFP 30V20M-A	3.3	-	36	0	50
TKFP 30V20LM-A	4.9	-	36	0	50
TKFP 60V20M-A	3.3	-	72	0	100
TKFP 60V20LM-A	4.9	-	72	0	100
TKFP 150V20M-A	4.9	-	180	0	200
TKFP 150V20LM-A	10.1	-	180	0	200
TKFP 300V20M-A	10.1	-	360	0	500
TKFP 600V20M-A	26	-	660	0	750

Item number / Type	Platform dimensions (mm)	Load cell type	Test certificate no.	Accuracy class	Reciprocal of the relative minimum resolution of the load cell	Maximum permissible number of divisions	Permissible temperature range		Reciprocal of the relative preload signal return	Error percentage
					Y	n_{LC} / n_{max}	T_{min}	T_{max}	Z	P_{LC}
							(°C)	(°C)		
TKFP 3V20M-A	230 x 230 x 103	L6D 5KG	TC7868 rev. 1	C	10000	3000	-10	40	3000	0.7
TKFP 6V20M-A	230 x 230 x 103	L6D 10KG	TC7868 rev. 1	C	10000	3000	-10	40	3,000	0.7
TKFP 6V20LM-A	300 x 240 x 106	L6D 10KG	TC7868 rev. 1	C	10000	3000	-10	40	3000	0.7
TKFP 15V20M-A	300 x 240 x 106	L6D 20KG	TC7868 rev. 1	C	10000	3000	-10	40	3000	0.7
TKFP 15V20LM-A	400 x 300 x 114	L6N 20KG	D09-06.11 rev. 1	C	12000	3000	-10	40	4000	0.7
TKFP 30V20M-A	400 x 300 x 114	L6E 50KG	TC7838 rev. 1	C	10000	3000	-10	40	4200	0.7
TKFP 30V20LM-A	500 x 400 x 125	L6G 50KG	D09-03.22 rev. 2	C	10000	3000	-10	40	3000	0.7
TKFP 60V20M-A	400 x 300 x 114	L6E 100KG	TC7838 rev. 1	C	10000	3000	-10	40	4200	0.7
TKFP 60V20LM-A	500 x 400 x 124	L6G 100KG	D09-03.22 rev. 2	C	12000	3000	-10	40	3000	0.7
TKFP 150V20M-A	500 x 400 x 124	L6G 200KG	D09-03.22 rev. 2	C	12000	3000	-10	40	3000	0.7
TKFP 150V20LM-A	650 x 500 x 136	L6G 200KG	D09-03.22 rev. 2	C	12000	3000	-10	40	3000	0.7
TKFP 300V20M-A	650 x 500 x 136	L6G 500KG	D09-03.22 rev. 2	C	12000	3000	-10	40	3000	0.7
TKFP 600V20M-A	800 x 600 x 190	PW12C 750KG	TC11749 rev. 0	C	25000	6000	-10	40	8000	0.7

12 Appendix

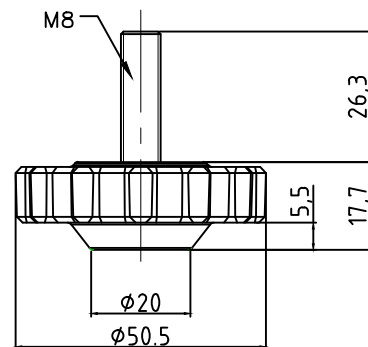
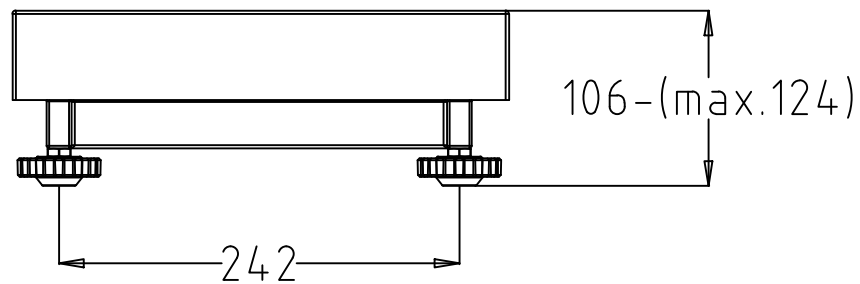
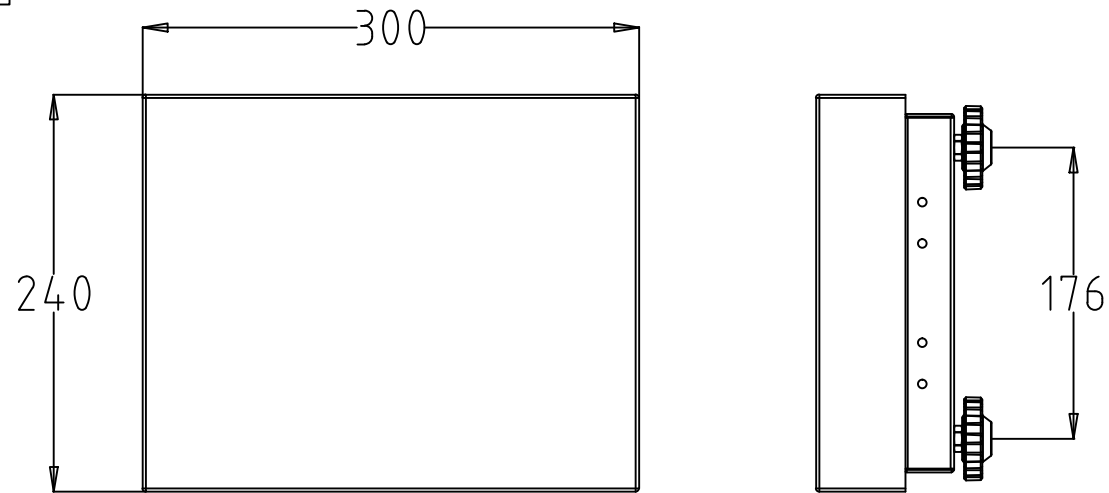
A4



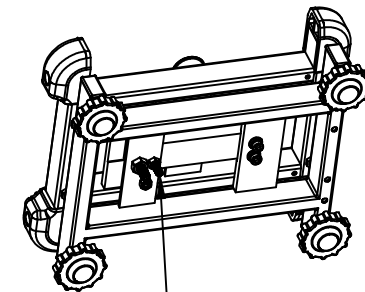
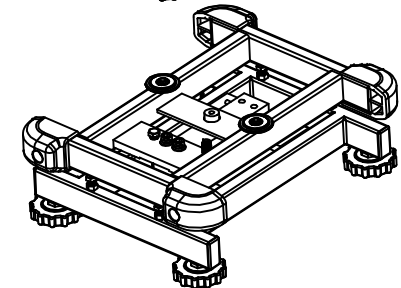
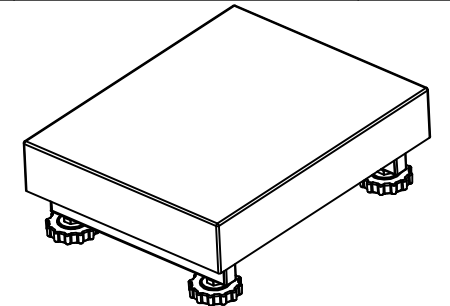
Transport protection screw

TOLERANCE UNLESS OTHERWISE SPECIFIED		<i>KERN® KERN & SOHN GmbH</i>			
DEC	ANGLES				
±0.1 FOR 0.X	±0.5				
±0.05 FOR 0.XX					
 3RD ANGLE PROJECTION					
DRAWN	Y.J.Zhao	TITLE: TKFP 3V20M-A with feet TKFP 6V20M-A with feet			
CHECKED	Tim.Zhao	MODEL NO.	PB2323-3K-KERN PB2323-6K-KERN		PART NO. 1308004.00001 1308004.00002
APPROVED	Tim.Zhao	MATERIAL			FINISH
UNIT	mm	SCALE	DO NOT SCALE DRAWING		SHEET OF

A4



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	TimZhao



Transport protection screw

TOLERANCE UNLESS
OTHERWISE SPECIFIED
DEC ANGLES
 ± 0.1 FOR 0.X
 ± 0.05 FOR 0.XX

3RD ANGLE PROJECTION

DRAWN Y.J.Zhao

CHECKED Tim.Zhao

APPROVED Tim.Zhao

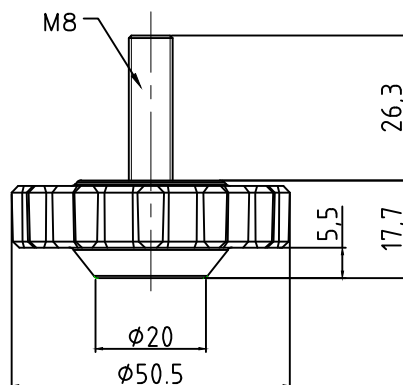
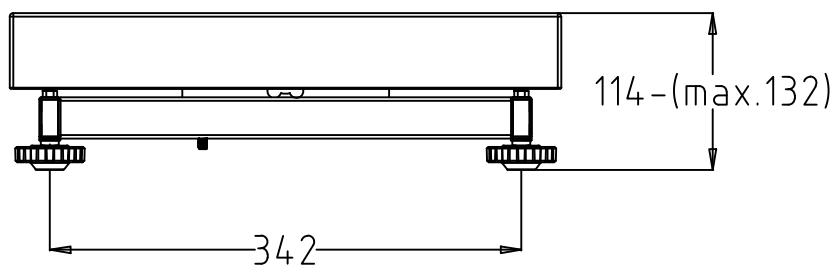
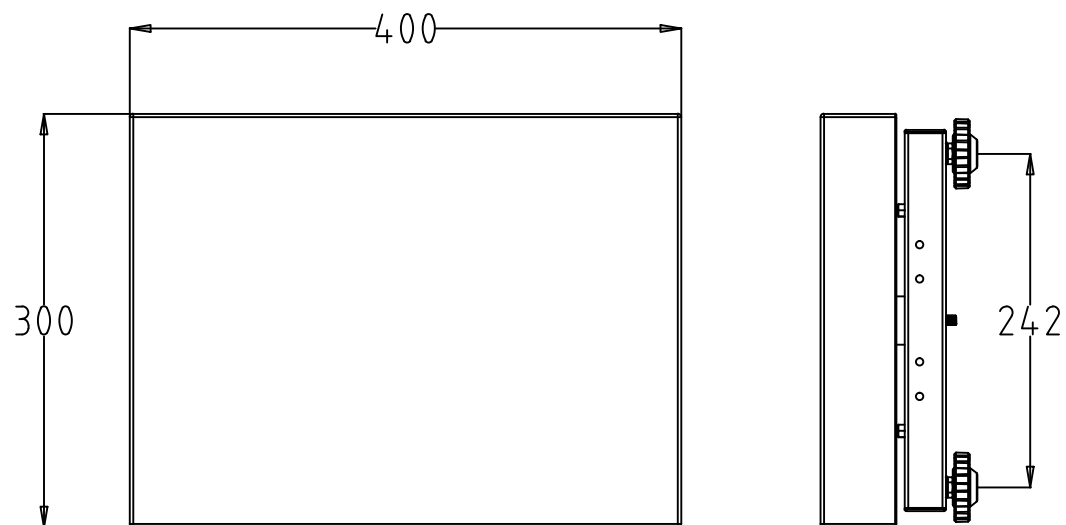
UNIT mm

KERN® KERN & SOHN GmbHTITLE: TKFP 6V20LM-A with feet
TKFP 15V20M-A with feet
TKFP 30V20SM-A with feetMODEL NO. PB3024-6K-KERN
PB3024-15K-KERN
PB3024-30K-L6D-KERNPART NO. 130800600011
130800600012
130800600037

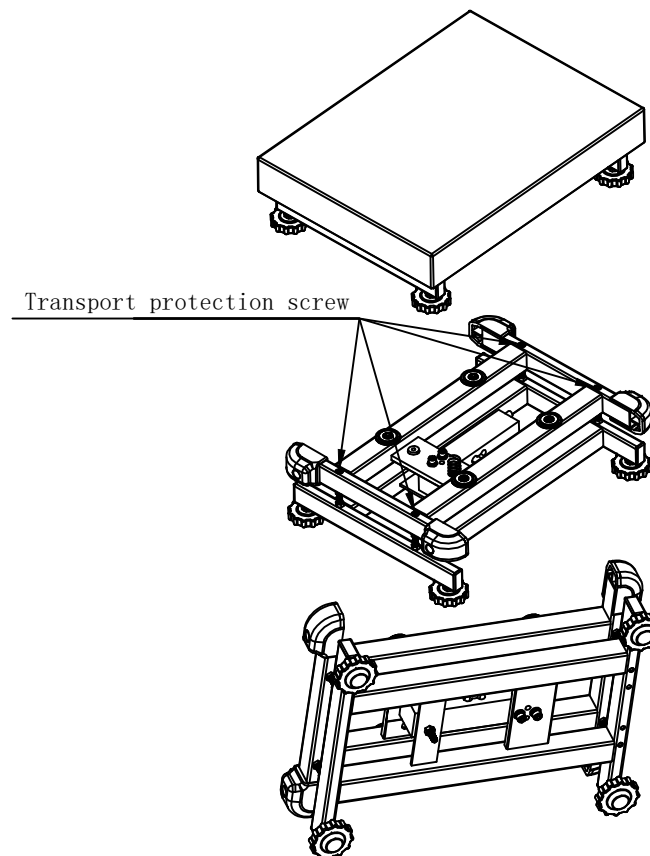
MATERIAL FINISH

SCALE DO NOT SCALE DRAWING SHEET OF

A4

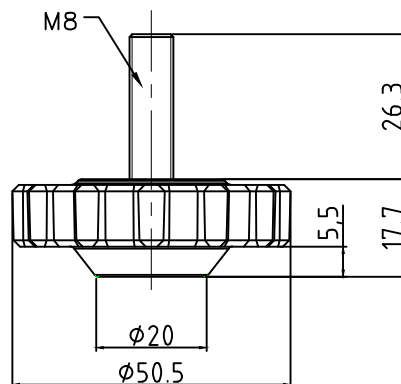
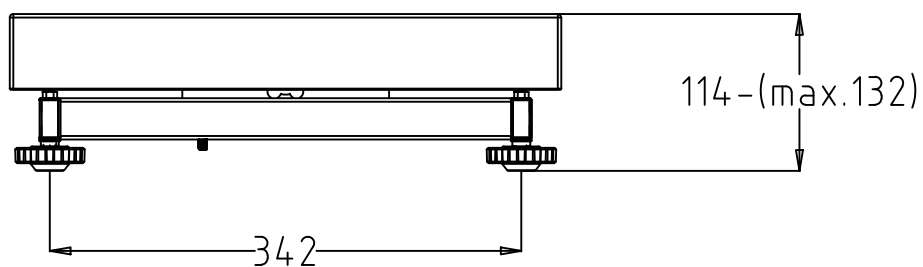
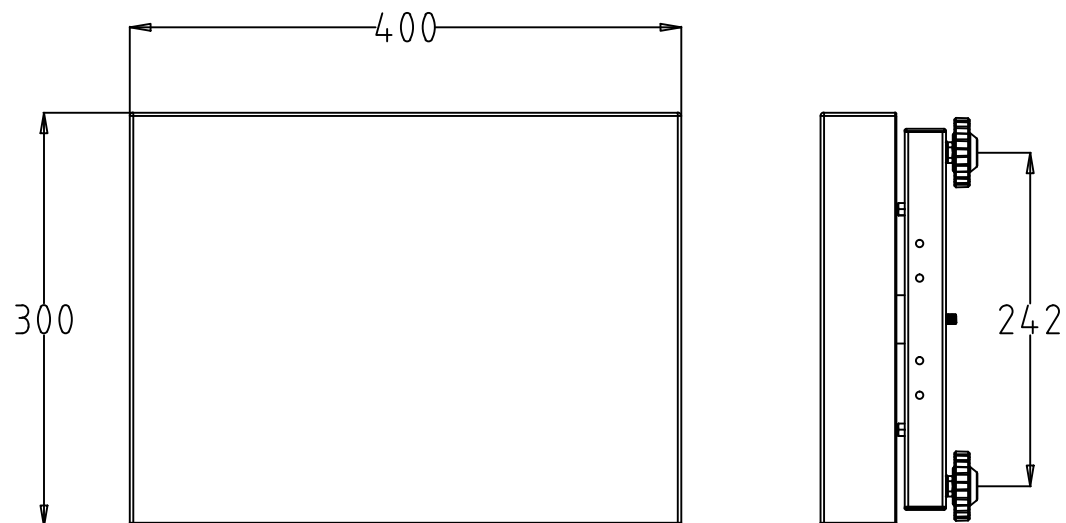


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao

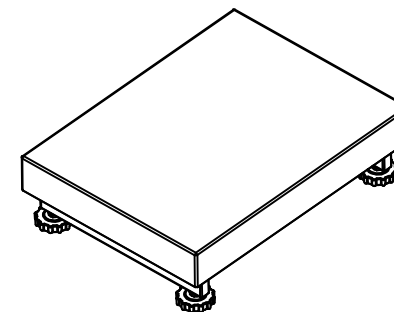


TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.1 FOR 0.X ±0.05 FOR 0.XX		KERN® KERN & SOHN GmbH		
		3RD ANGLE PROJECTION		
DRAWN	Y.J.Zhao	TITLE: TKFP 15V20LM-A with feet		
CHECKED	Tim.Zhao	MODEL NO.	PB4030-15K-KERN	PART NO. 130800700009
APPROVED	Tim.Zhao	MATERIAL		FINISH
UNIT	mm	SCALE	DO NOT SCALE DRAWING	
				SHEET OF

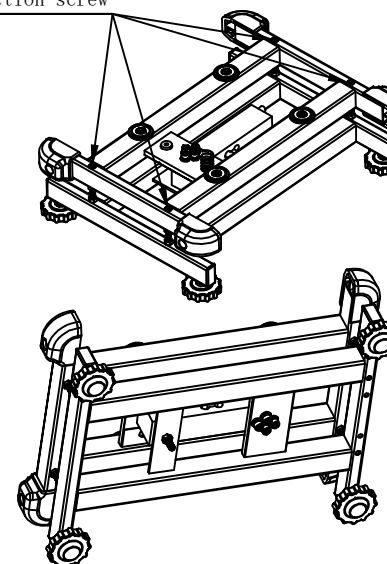
A4



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao

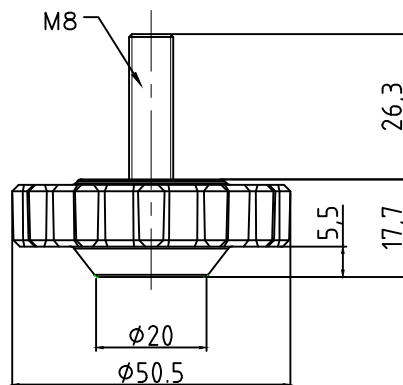
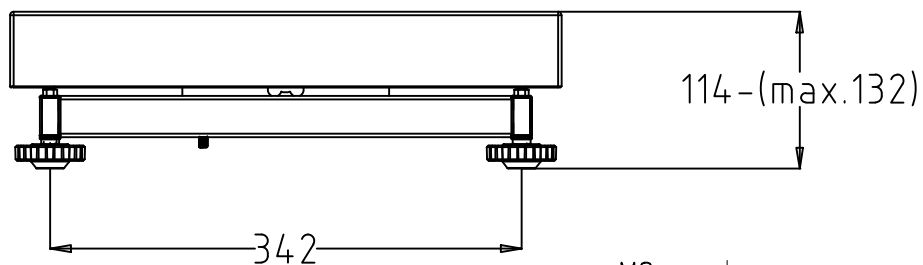
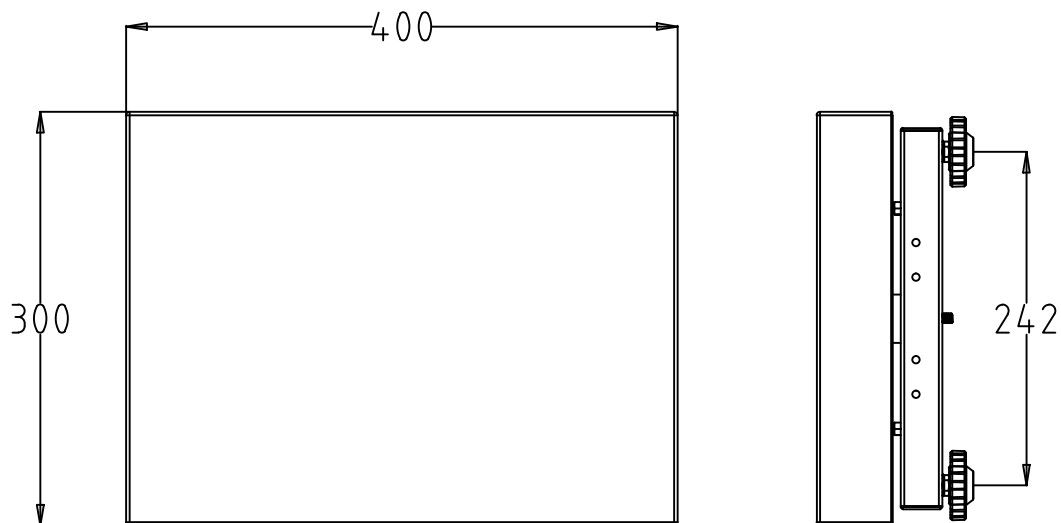


Transport protection screw

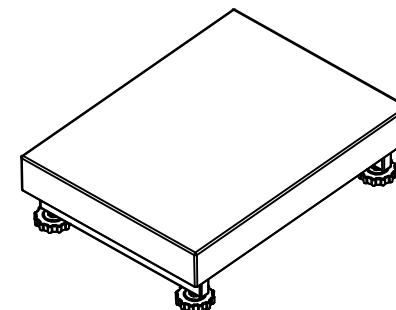


TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.1 FOR 0.X ±0.05 FOR 0.XX		±0.5		KERN® KERN & SOHN GmbH	
		3RD ANGLE PROJECTION		TITLE: TKFP 30V20M-A with feet	
DRAWN	Y.J.Zhao	MODEL NO.		PART NO.	130800700002
CHECKED	Tim.Zhao	MATERIAL		FINISH	
APPROVED	Tim.Zhao	SCALE		DO NOT SCALE DRAWING	SHEET OF
UNIT	mm				

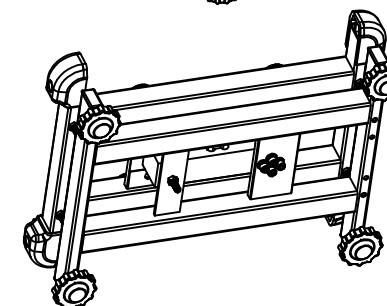
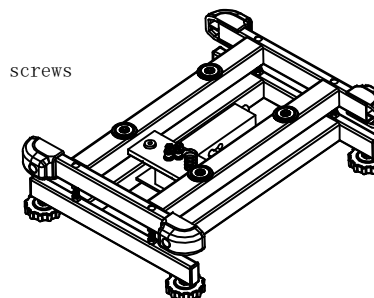
A4



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao

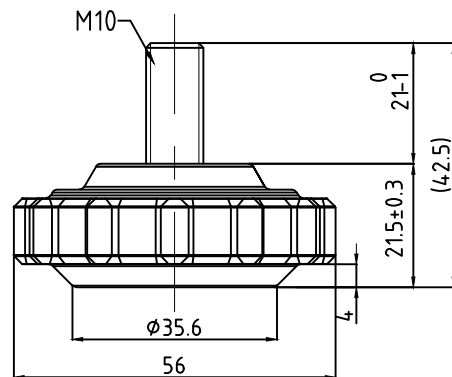
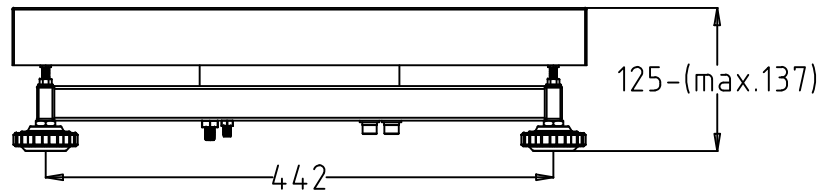
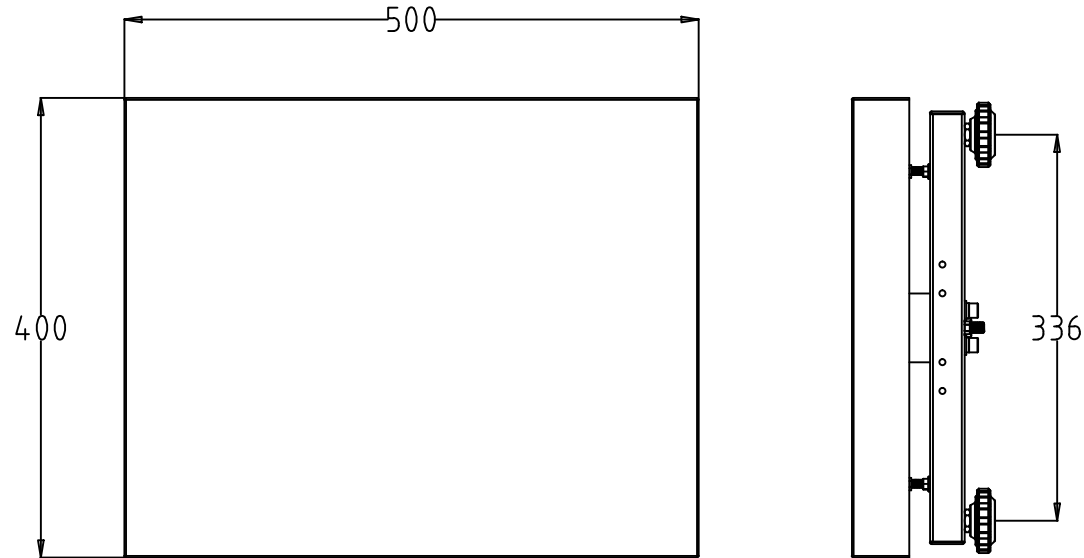


No transport protection screws



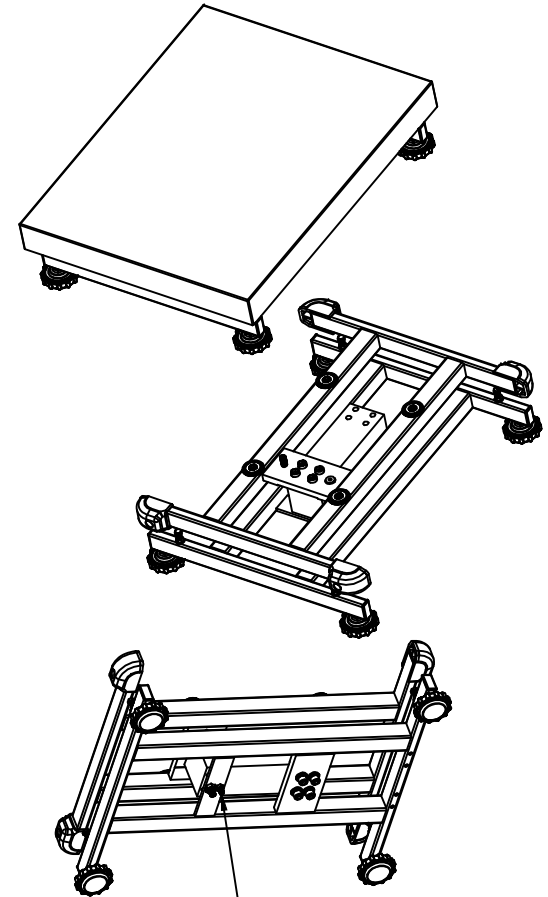
TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.5 ±0.1 FOR 0.X ±0.05 FOR 0.XX		KERN® KERN & SOHN GmbH		
3RD ANGLE PROJECTION		TITLE: TKFP 60V20M-A with feet		
DRAWN	Y.J.Zhao			
CHECKED	Tim.Zhao	MODEL NO.	PB4030-60K-KERN	PART NO. 130800700004
APPROVED	Tim.Zhao	MATERIAL		FINISH
UNIT	mm	SCALE	DO NOT SCALE DRAWING	SHEET OF

A4



REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao



Transport protection screw

TOLERANCE UNLESS
OTHERWISE SPECIFIED
DEC
±0.1 FOR 0.X
±0.05 FOR 0.XX

±0.5

3RD ANGLE PROJECTION

DRAWN Y.J.Zhao

CHECKED Tim.Zhao

APPROVED Tim.Zhao

UNIT mm

KERN® KERN & SOHN GmbH

TITLE: TKFP 30V20LM-A with feet

MODEL NO. PB5040-30K-KERN

PART NO.

130801200027

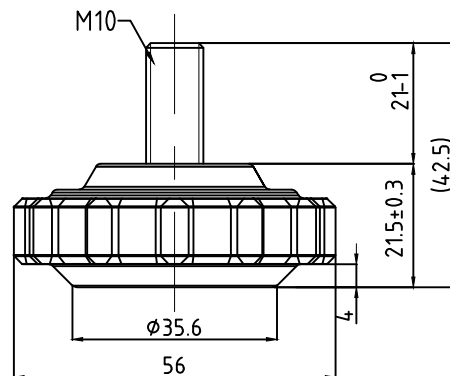
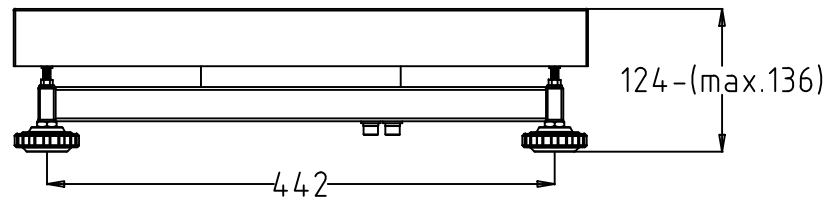
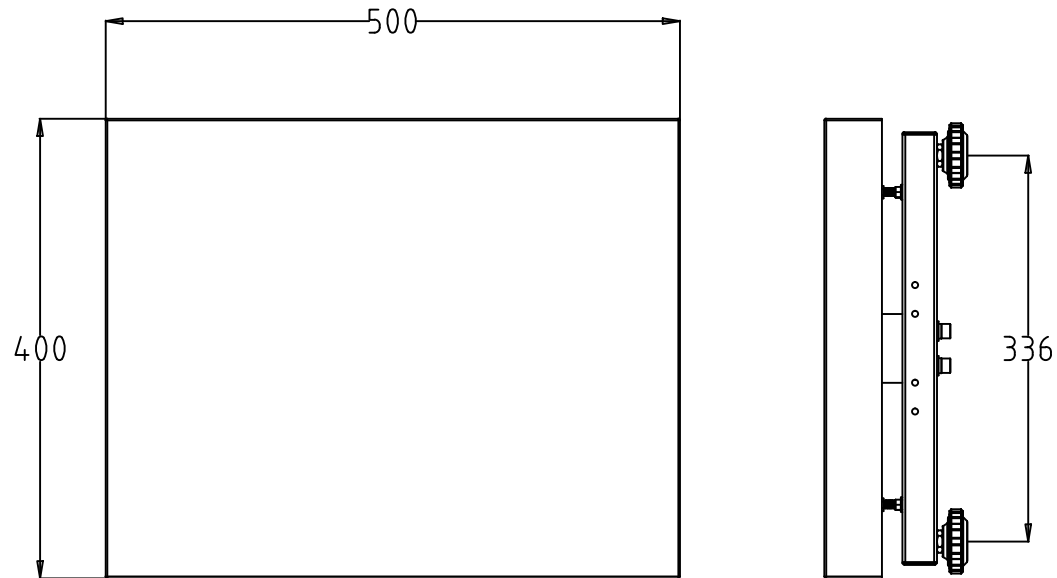
MATERIAL

FINISH

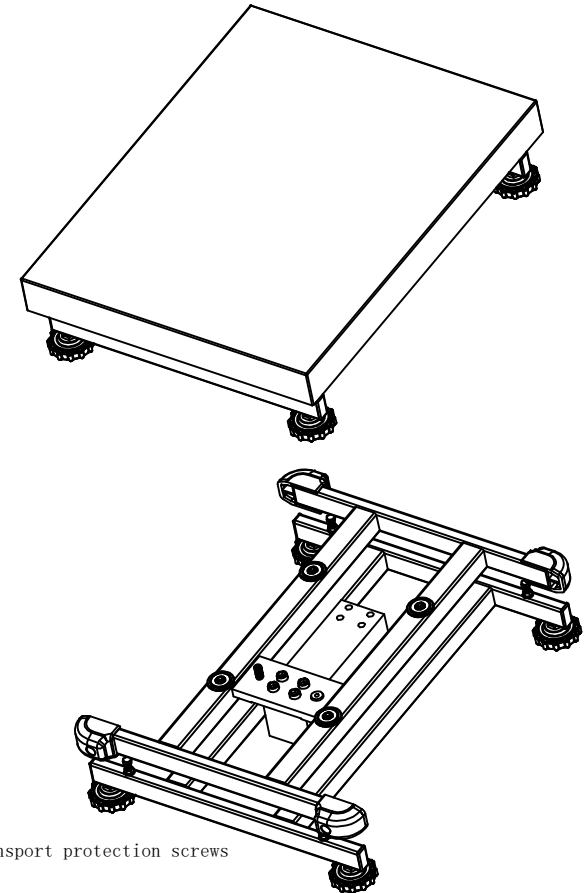
SCALE DO NOT SCALE DRAWING

SHEET OF

A4



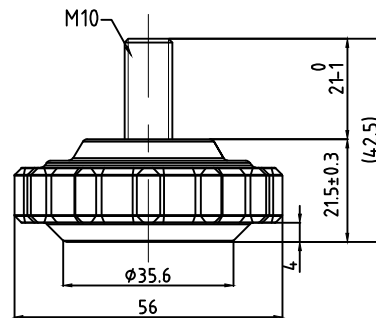
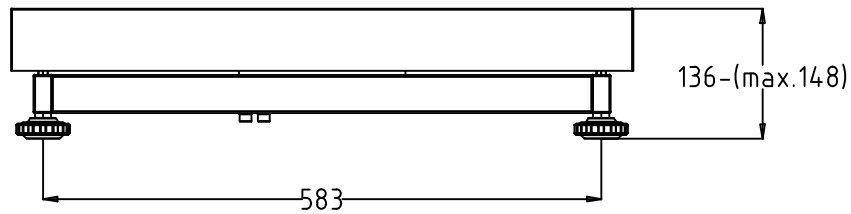
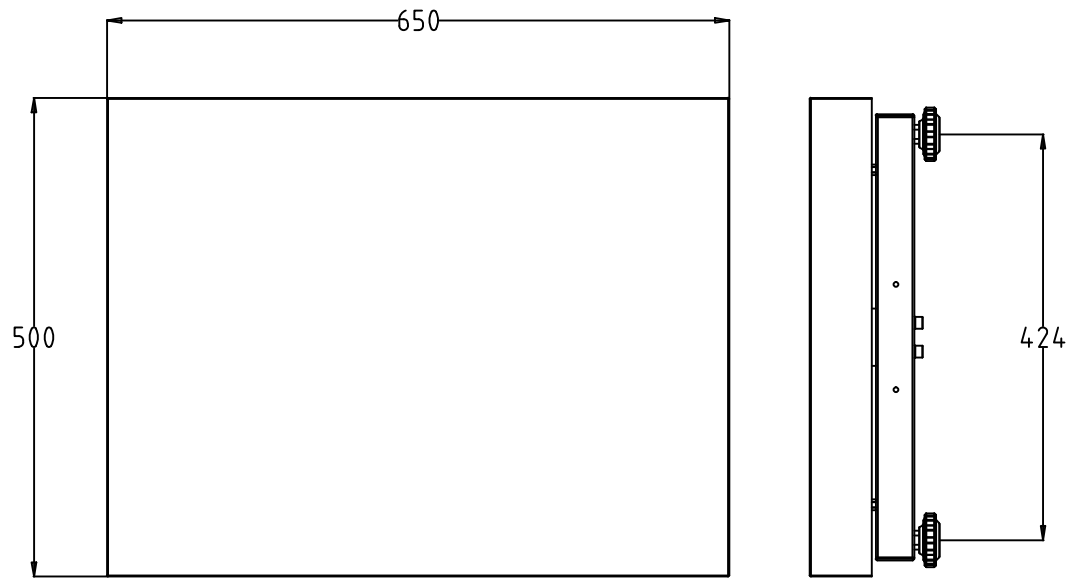
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao



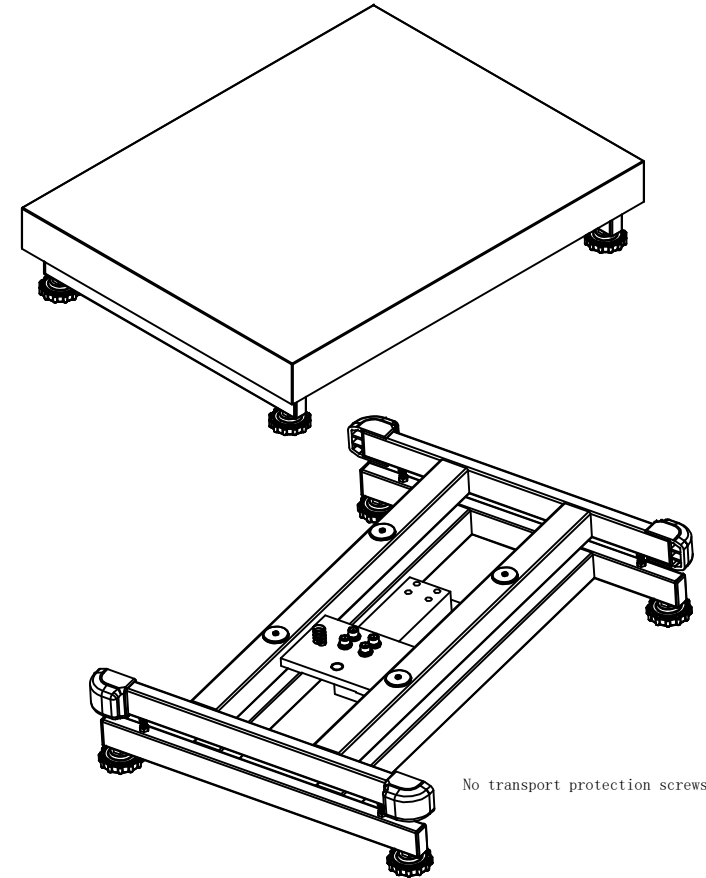
No transport protection screws

TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.1 FOR 0.X ±0.05 FOR 0.XX		±0.5			KERN® KERN & SOHN GmbH		
		3RD ANGLE PROJECTION			TITLE: TKFP 60V20LM-A with feet TKFP 150V20M-A with feet		
DRAWN	Y.J.Zhao	MODEL NO.		P85040-60K-KERN P85040-150K-KERN	PART NO.	130801200024 130801200023	
CHECKED	Tim.Zhao	MATERIAL			FINISH		
APPROVED	Tim.Zhao	SCALE			DO NOT SCALE DRAWING	SHEET OF	
UNIT	mm						

A4

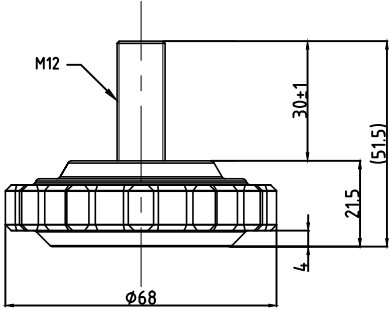
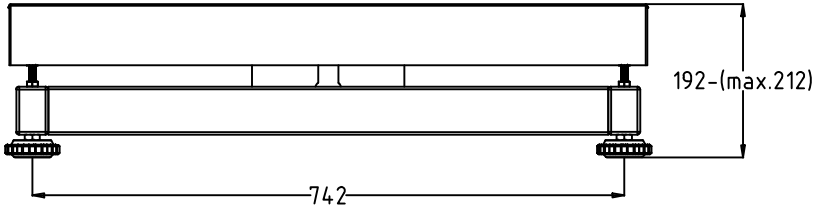
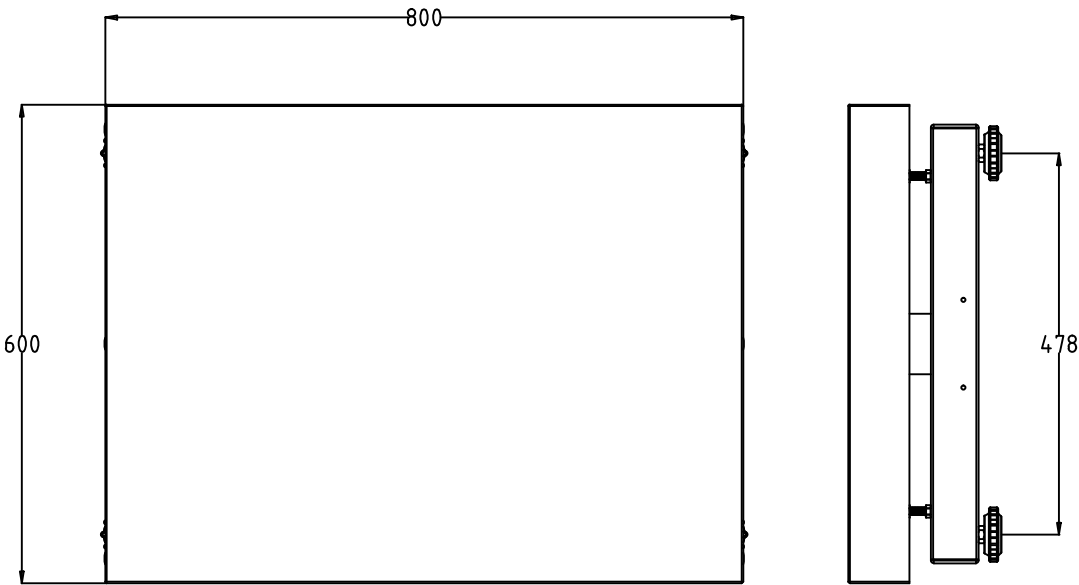


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao

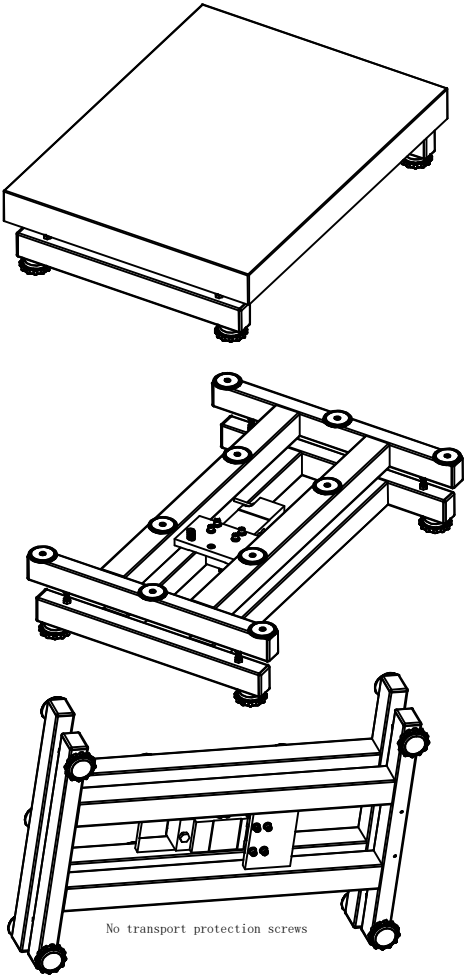


TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.1 FOR 0.X ±0.05 FOR 0.XX		±0.5			KERN® KERN & SOHN GmbH		
		3RD ANGLE PROJECTION			TITLE: TKFP 150V20LM-A with feet TKFP 300V20M-A with feet		
DRAWN	Y.J.Zhao	MODEL NO.		PB6550-150K-KERN PB6550-300K-KERN	PART NO.	130801300005 130801300006	
CHECKED	Tim.Zhao	MATERIAL			FINISH		
APPROVED	Tim.Zhao	SCALE			DO NOT SCALE DRAWING		SHEET OF
UNIT	mm						

A4



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A0	Released	2023.9.19	Tim.Zhao



TOLERANCE UNLESS OTHERWISE SPECIFIED DEC ANGLES ±0.1 FOR 0.X ±0.05 FOR 0.XX		KERN® KERN & SOHN GmbH		
		3RD ANGLE PROJECTION		
DRAWN	Y.J.Zhao	TITLE: TKFP 600V20M-A with feet		
CHECKED	Tim.Zhao	MODEL NO.	PB6080-600K-KERN	PART NO. 130800300017
APPROVED	Tim.Zhao	MATERIAL		FINISH
UNIT	mm	SCALE	DO NOT SCALE DRAWING	
				SHEET OF