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Installation Instructions

Balance table

KERN TYP S-03A-B

Version 1.0

2020-08

GB



TYP S-03A-B-IA-e-2010



KERN TYP5-03A-B

Version 1.0 2020-08

Installation Instructions

Balance table

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1 Introduction

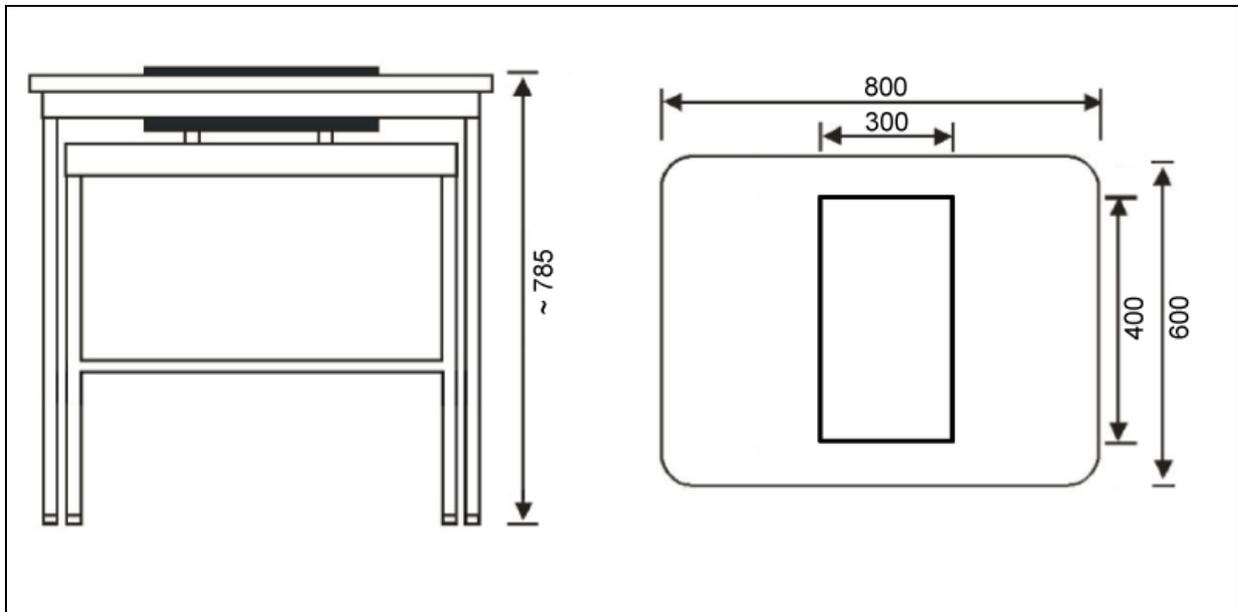
The KERN balance table was designed for laboratories and metrology rooms in order to create suitable working conditions for devices that react sensitively to vibrations and shocks.

The table comprises two different components:

- An integrated work space with shock-absorbing rubber blocks attached to a stone slab
- An external work table with aluminium profile frame and height-adjustable feet

2 Technical data

KERN	YPS-03
Item no./ Type	TYPS-03A-B
Total dimensions (B x D x H)	800 x 600 x 785 mm (adjustable height)
Dimensions stone slab	300 x 400 x 80 mm
Weight stone slab	24 kg
Total weight	46 kg



3 Assembly of the weighing table

3.1 Inner frame assembly

1. Open the packing box, take out the top, middle, lower packing assemblies and the accessory bags, See Figure 1.

2x granite supporting rails (long)	1x inner side rail (righthand)	1x inner side rail (lefthand)	1x granite supporting rail (below)
2x granite supporting rails (short)	Accessory Bag		
Lower packing		Middle packing	Top packing

Figure 1
Inner frame packing

2. Remove the two granite supporting rails (long), the 2 granite supporting rails (short) and the accessory bag from the lower packing layer.
3. Screw these parts together with the 4x M8x40 screws using the hexagon wrench key from the bag in a way the resulting frame is plane and flat. (See fig. 2)

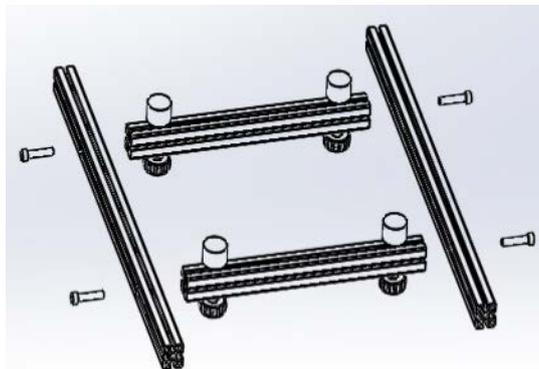


Fig. 2

4. Remove the inner side rail (lefthand) from the upper packing layer and the inner side rail (righthand) from the middle packing layer and fix them with the M8x40 screws using the hexagon wrench. (See fig. 3)
5. Remove the lower granite supporting rail from the upper packing layer and fix it by the two M8x40 screws; for this purpose open the two side frames slightly in order to insert the rails into the frames. After that tighten the 6 screws as shown in fig. 3.
After that the two sides should be aligned in a parallel and straight manner.
6. Fix the four rubber blocks as shown in fig. 4.
7. Put upon the granite block and center it as exactly as possible. Fig. 5 and 6 show the completely assembled inner table.

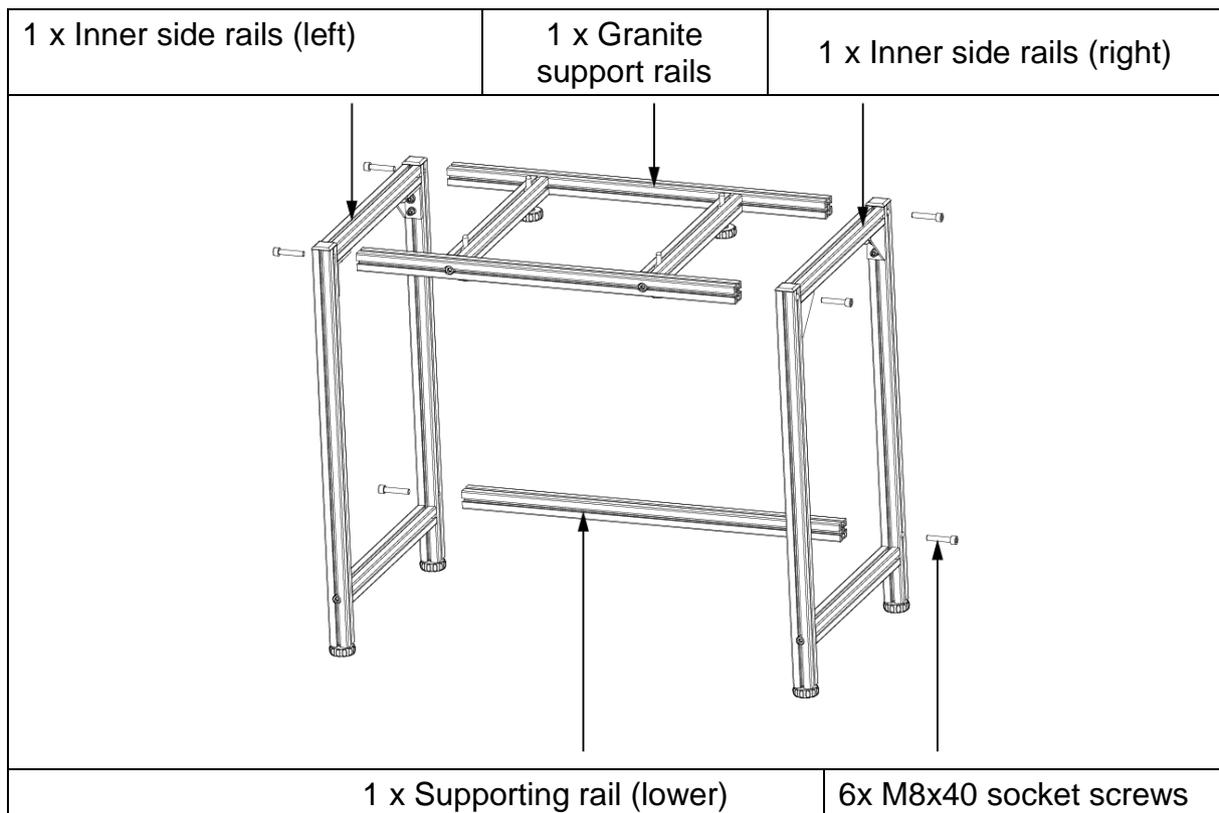


Figure 3
Inner frame assembly

i	<p>Take care that the screws are fitted in such a way that they are sunk in the recesses. (Do not allow screws to protrude - risk of injuries!)</p>
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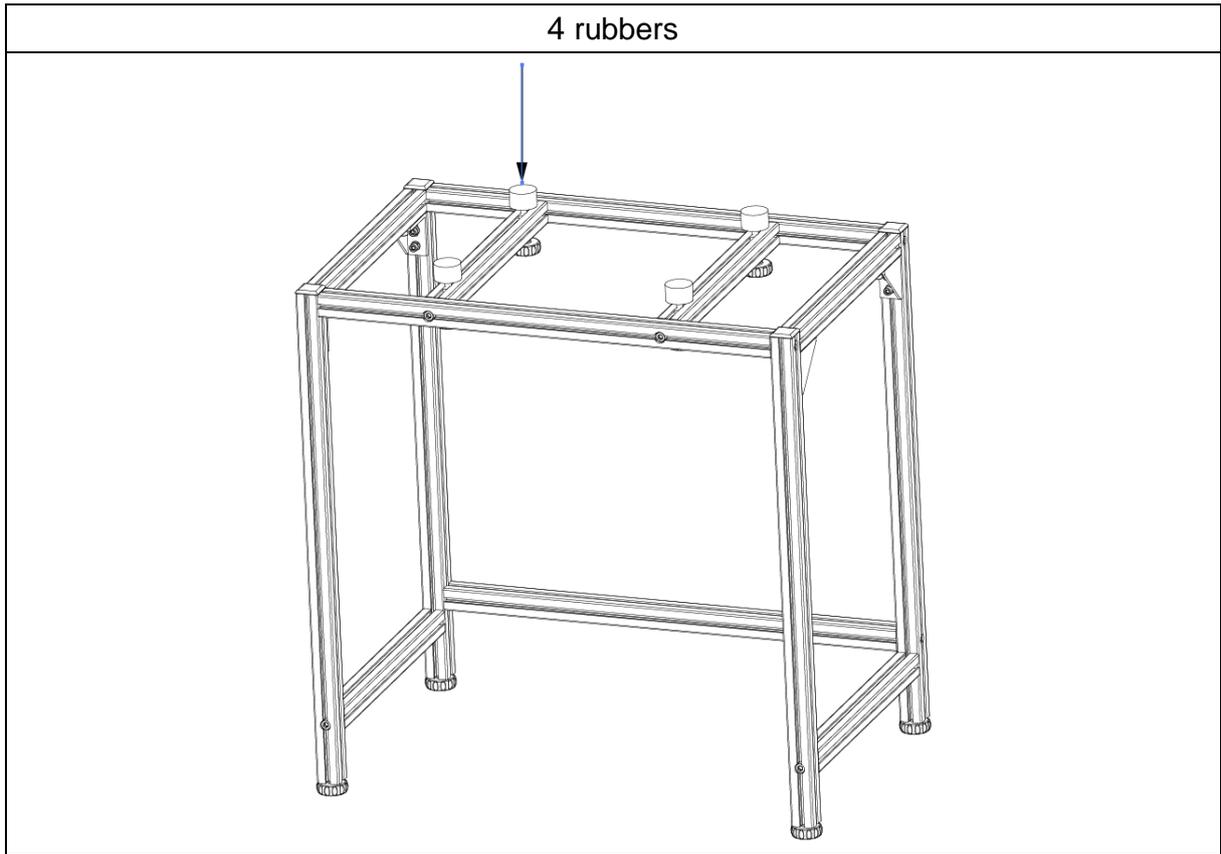


Figure 4
Assembled inner frame

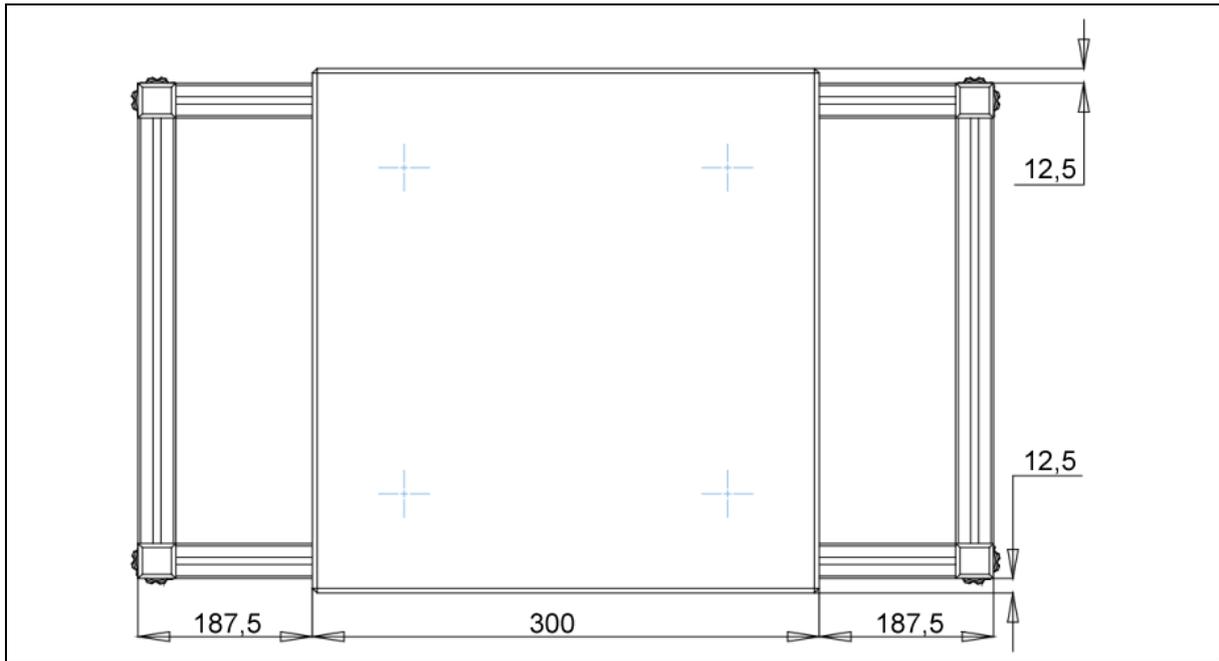


Figure 5
Correct position of the granite



Figure 6
Assembled inner frame with granite

3.2 Outer frame assembly

1. Remove the outer side rail (right) from the lower packing, the table top assembly from the middle packing and the outer side rail (left) from the top packing (see Figure 7).
2. Fix them using four M8x40 screws with the hex key provided.
3. Remove the outer table supporting rail (upper front) from the lower packing and fix it with four M8 x 40 screws.
4. Remove the outer table supporting rail (lower) from the top packing and fix it with two M8 x 40 screws. You can open the 2 side frames a little in order to put the rails inside the frames and then
5. tighten the 10 screws as Figure 8 shows.
6. Make sure the 2 sides are all parallel after the screws are tight. You can see the assembled view in Figure 9

1x outer side rail (righthand)	1x working surface	1x outer side rail (lefthand)	1 x crossbatten outer frame (below)
		1 x crossbatten outer frame (front top)	
Lower packing	Middle packing	Top packing	

Figure 7
Outer frame packing

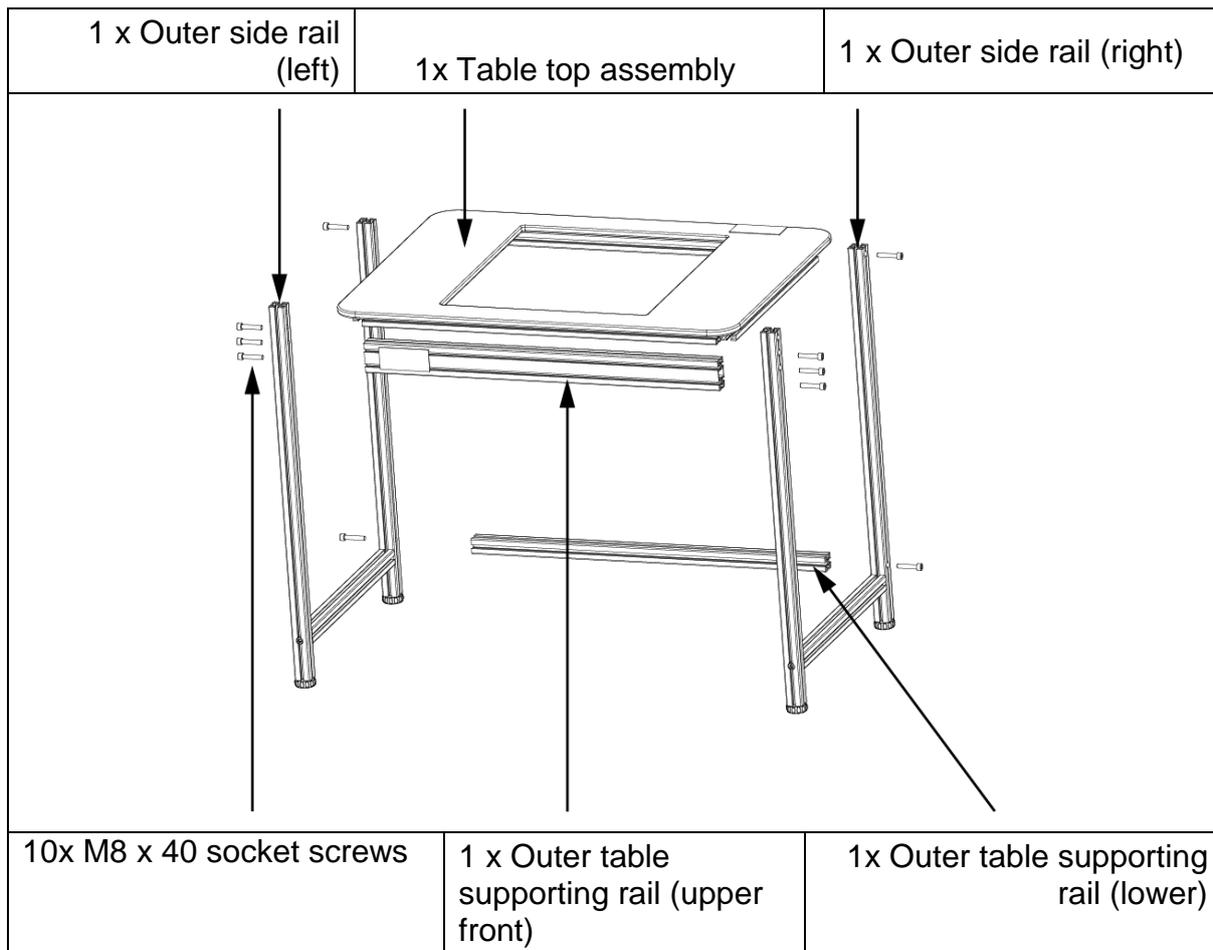


Figure 8
Outer frame assembly drawing

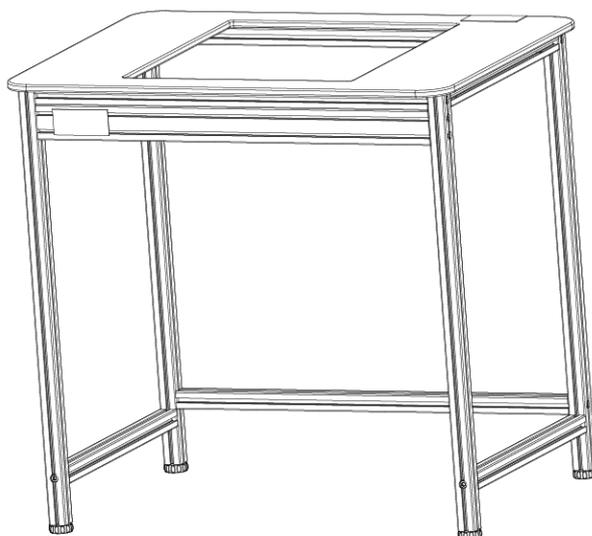


Figure 9
Assembled outer frame

3.3 Final assembly

Place the outer frame over the inner frame. Using the adjustment feet to level both frames until they are in level position. Adjust the rubber blocks in a way that the granite slab protrudes 2-5 mm over the working surface and rests firmly (see fig. 10).

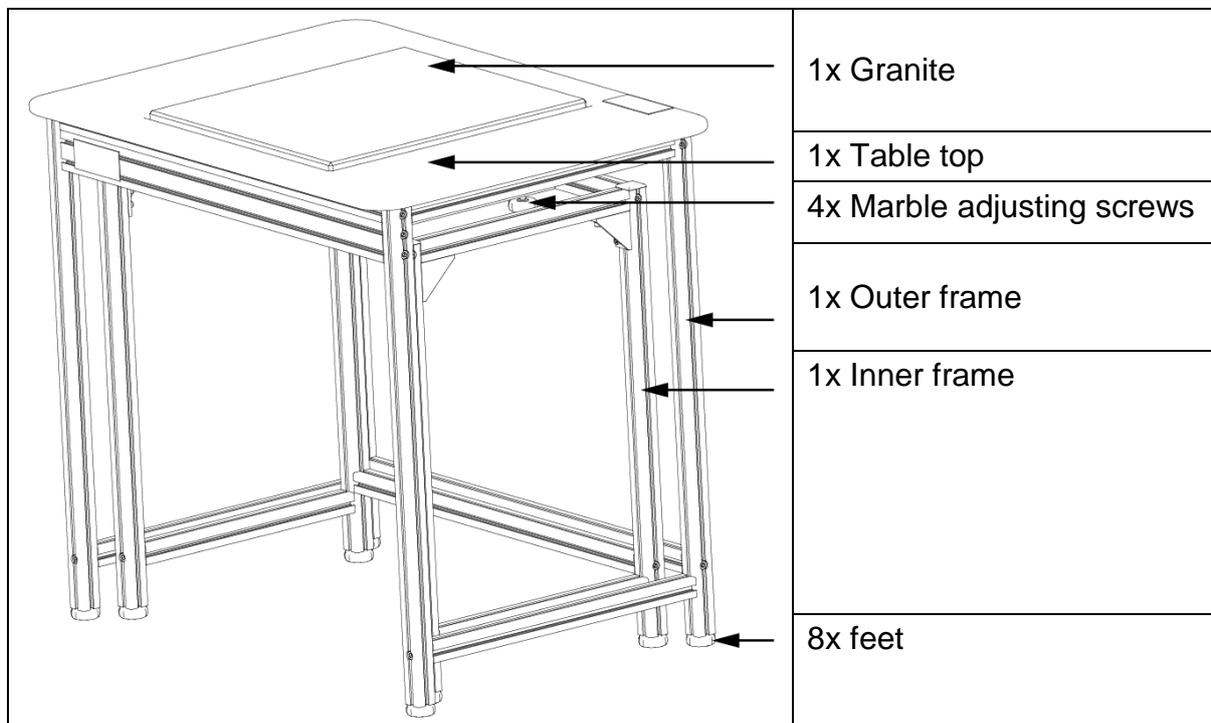


Figure 10
Final assembly drawing

4 Attendance

- Do not disassemble the weighing table without looking at the assembling instructions.
- Do not shift the table by force or abruptly. We recommend you lift the table and then cautiously put it down again.
- To clean off stains, wipe the table with a soft cloth soaked in detergent. Do not use organic solutions for wiping off stains.
- Place the weighing table in a dry and clean environment. Do not install out of doors. Do not use in the vicinity of fire or in environments with high temperatures. Avoid exposure to direct sunlight.