



112-7157  
Mechanical Beam Scale  
with Height Rod



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## Congratulations!

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The **Henry Schein Mechanical Beam Scale** you have purchased is a high-precision yet sturdy piece of equipment. In accordance with national regulations, the **Henry Schein Mechanical Beam Scale** provides a rugged mechanical design to measure patient weight and height. Each **Henry Schein Mechanical Beam Scale** is designed to provide accurate, reliable, and repeatable weight measurement. The scale is of a very sturdy construction and will give you long and loyal service.

## Safety

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Before using the new scale, please take time to read the following safety instructions carefully.

- To prevent injury, as well as scale damage during assembly, exercise caution when assembling the scale pillar.
- Assemble and operate the scale per the enclosed user instructions.
- For accurate weighing, this scale must be placed on a flat, stable surface.
- Do not drop the scale or subject it to violent shocks
- Do not exceed recommended weight limit of 450 lb / 210 kg
- If the scale becomes damaged, it should not be operated until properly serviced. All repairs should only be performed by a qualified service agent

## Before you start...

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### Unpacking

Carefully remove and unwrap the scale from the shipping carton. To prevent scratching on any components of the scale, please do not use a box cutter or sharp object to open the inner packaging. If you notice any shipping damage to the product, please contact the shipper immediately. Please retain all shipping material in case the product needs to be returned or the scale needs to be shipped to another location.

Remove the packaging and place the scale on a firm, level surface. The scope of supply includes:

- 1 Scale Platform
- 1 Pillar
- 4 Pillar nuts
- User instructions
- Wrench (included)
- Wheel Bracket
- Adjustable wrench or 10mm wrench (not included)

## Assembly Instructions

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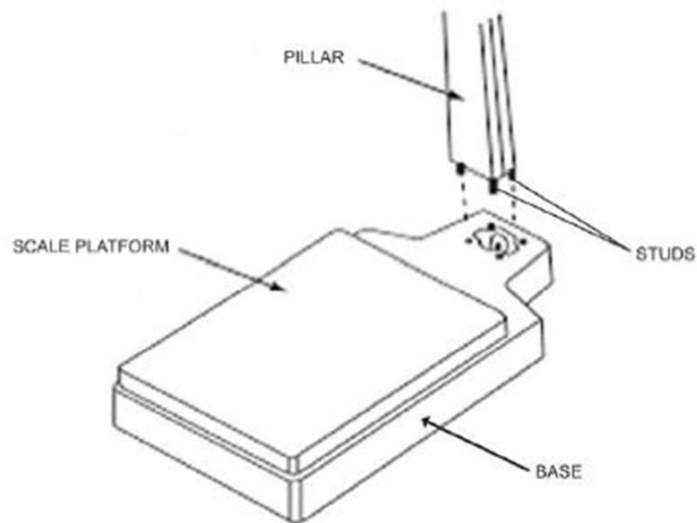
Step 1. Carefully remove the scale platform and pillar from the carton. Place the scale platform and pillar on a flat surface. Using a table top can be helpful for assembly of the scale.

Step 2. Remove the four pillar nuts and wrench from the carton

Step 3. Locate the steel rod at the base of the pillar

Step 4. Cut the tie wraps that holds the steel rod to the pillar studs

Step 5. Insert the studs into the four holes provided in the scale platform



Step 6. Tip the scale platform at an angle, resting the top of the pillar on a stable support.

Step 7. Using the wrench provided, secure the pillar to the scale platform with the four nuts

Step 8. Pull the steel rod toward the base of the scale platform by grasping the finger pull loop on the steel rod end.

Step 9. Push the lever extension in the base toward the pillar with your hand

Step 10. While holding this position, hook the steel rod to the hold at the end of the lever extension.

Step 11. Release the finger pull loop and ensure that the steel rod and lever extensions is hooked together.

### **Installing the Wheel Bracket**

Step 12. Tip the scale forward until top front of the pillar is resting on the floor.



Step 14. Align the wheel bracket to the base assembly holes.

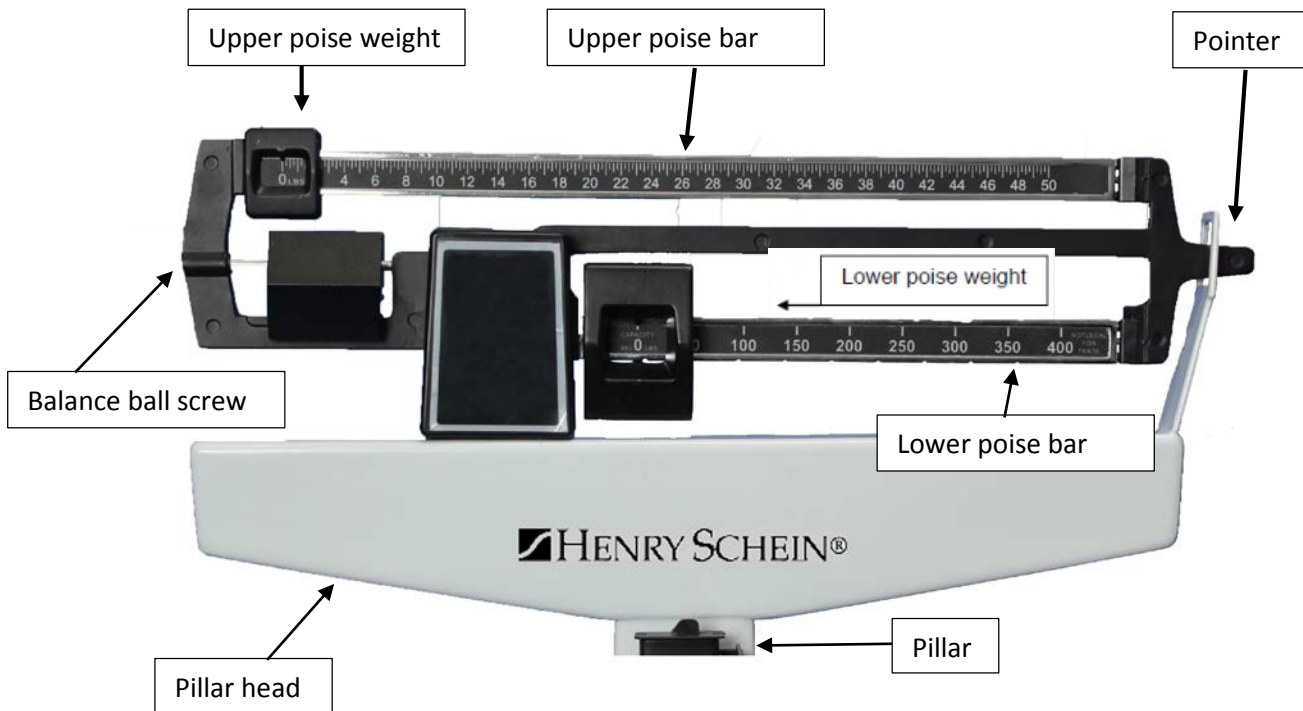
Step 15. Install the mounting screws through the wheel bracket. Tighten the mounting screws securely.

Step 16. Carefully position the scale to its upright position.

Step 17. The scale is now assembled and ready to use.

## Operation

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### Zero Balance Adjustment

The scale should be checked periodically, particularly when moved, by following the instructions below:

Note: A flat head screwdriver is required.

1. Ensure that the scale is located on hard, flat, and level surface. Step on and off scale several times in order to align all internal parts.
2. Place both poise weights on the "0" value on both bars. The beam pointer should float gently up and down, and not touch the top or bottom of the trig-loop.
3. If the beam pointer is not centered in the trig-loop opening, rotate balance ball screw to correct the beam pointer.

## Weighing Instructions

1. Set the large and small poises to indicate your approximate weight.
2. Step onto the scale. Move the small and large poise weights until the pointer is centered.  
NOTE: It is not necessary for you to wait for the pointer to stop moving in order to ready your weight. As long as the pointer is moving equally within the trig-loop opening, then your weight can be determined.
3. The weight can be recorded in either pounds or kilograms.
4. Observe the location of the indicator arrow built into each poise weight. Read the value on the poise bar, closest to the indicator arrow.
5. For easy identification, pounds (lb) have silver graduations on a black background, located on the upper portion of each poise bar; kilograms (kg) have black graduations on a silver background, located on the lower portion of each poise bar.
6. Add the indicated reading of the small poise value to the indicated reading of the large poise value and the total amount is your weight.

## Weighing Tips

1. Too consistently maintain an accurate weight reading, weigh yourself approximately the same time each day as the food and liquid you intake can cause your weight to vary during the day.

NOTE: For accurate measurements, weigh yourself without clothing

### Recording a Patient Weight

To read the patient's weight, add the weight value indicated on the lower and upper poise bars.

For example: If a patient weighs 441 lbs:

1. When a patient weighs 441 lbs, place the lower poise weight at 400 lb.
2. Adjust the small poise weight to 41 lbs to match the patient's weight. The poise bar will center in the trig-loop.
3. Add the weight value indicated on the upper and lower poise bars. Example below:

$$400 \text{ lbs} + 41 \text{ lbs} = 441 \text{ lbs}$$

Patient's weight is: 441 lbs.



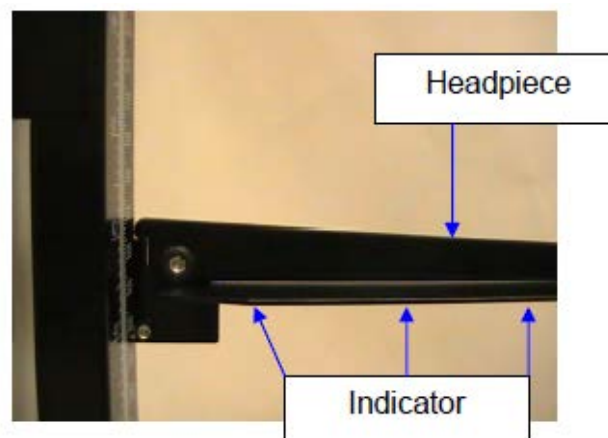
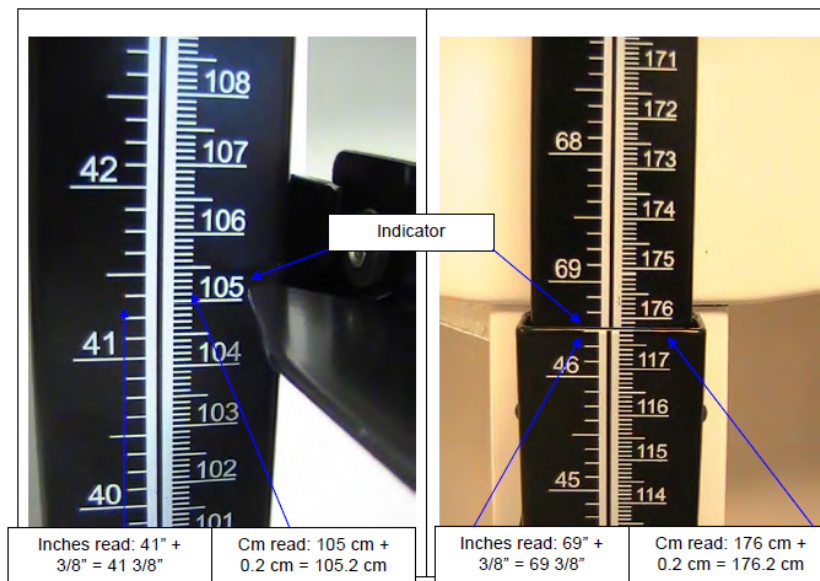
## Height Measurements

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Note: A patient needs to be a minimum of 23 5/8" (600 mm) in height for the height to be accurately measured.

1. Raise the headpiece above the patient's head.
2. Position the patient against the height rod
3. Ensure that the patient's posture is upright and the patient's head is straight and level.
4. Push the headpiece down until it rests on the patient's head.

Determine the patient's height by reading the value on the measuring strip nearest to the line on the indicator. (Please refer to picture)



## Cleaning

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Clean all external surfaces with a clean damp cloth or tissue. Mild antimicrobial or antibacterial soap and water solution may be used. Dry with a clean soft cloth. Do not immerse the scale into cleaning or other liquid solutions. Do not use abrasive cleaners.

Under no circumstances should abrasive or acid cleaners, white spirit, benzene or the like be used for cleaning. Such substances can damage the high-quality surfaces. Proper care and cleaning is essential to ensure a long life of accurate and effective operation.

## What do I do if...

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### **... Questionable weight, or the scale does not center equally in the trig loop when the poise weight is “0” value?**

- Possible cause – Bar does not “0” balance
- The balance ball must be balanced such that the pointer comes to rest in the center of the trig-loop when both poise weights are set at “0” value.
- Ensure the large and small poise weights are firmly against the shoulder of the beam.
- Adjust the balance ball screw by turning the screw at the left end of the bar.

### **... The bar does not move freely?**

- Possible cause – Bar sticking or adjustment needed
- Check if the pointer is touching the side of the trig loop in its range of travel. Realignment of the beam may be necessary if it is touching.
- Ensure that the large and small poise weights are firmly against the shoulder of the beam.
- Adjust the balance ball screw by turning the screw at the left end of the bar.

### **... The platform rocks excessively or touches base at any corner?**

- Possible cause – Base out of alignment
- Contact technical support.

### **... Beam does not move at all during weighing process?**

- Possible cause – Scale may have improper steel rod connection or poise weight may have been set a higher weight than patient’s actual weight.
- Reset weights to a lower weight.
- Ensure the steel rod is connected properly, refer to “Assembly Instructions”.

## Maintenance

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To ensure that the scale accuracy is maintained, the product must be carefully set up and regularly maintained. Depending on the frequency of use, it is recommended to service the scale every 3 to 5 years by a qualified service lab. For any additional questions please contact Henry Schein Customer Service at 1-888-392-8492 for further information.

## Technical data

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<b>Item #:</b>	<b>112-7157</b>		
<b>Scale Width:</b>	18 ¼" (46.4 cm)	<b>Platform Width:</b>	11 ¾" (29.8 cm)
<b>Scale Height:</b>	58 ¼" (147.9 cm)	<b>Platform Height:</b>	4" (10.1 cm)
<b>Scale Depth:</b>	22 ¼" (56.5 cm)	<b>Platform Depth:</b>	14 ¾" (37.5 cm)
<b>Capacity</b>	450 lb (210 kg)		
<b>Height Rod</b>	200 x ¼" inches (200 cm x 0.64 cm)		

## Disposal

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### Disposing of the device

#### Batteries

Do not dispose of the device in domestic waste. The device must be disposed of properly as electronic waste. Follow the national regulations which apply in your case.

Do not throw used batteries away in domestic waste. Dispose of batteries at collection points in the vicinity. When buying new batteries, select those low in harmful substances and containing no mercury (Hg), cadmium (Cd) or lead (Pb).

## Technical Support

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To warranty service or need further information, make sure you keep your sales receipt or document showing proof of purchase. Contact our service department at:

**1-888-392-8492**

*Distributed by (in US only):*

**HENRY SCHEIN INC.**

135 DURYEA ROAD  
MELVILLE, NY 11747 USA



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## Warranty

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A two-year warranty from date of delivery applies to defects attributable to poor materials or workmanship. All moveable parts - batteries, cables, etc. - are excluded. Defects which come under warranty will be made good for the customer at no charge on production of the receipt. No further claims can be entertained. The costs of transport in both directions will be borne by the customer should the equipment be located anywhere other than the customer's premises. In the event of transport damage, claims under warranty can be honored only if the complete original packaging was used for any transport and the scale secured and attached in that packaging just as it was when originally packed. All the packaging should therefore be retained.

A claim under warranty will not be honored if the product is opened by persons not authorized by Henry Schein, Inc.

Henry Schein scales' liability under this warranty is limited to the repair or replacement of the defective product and in no event be liable for consequential or indirect damages to equipment or personnel.

REV DATE: 10/14