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## 7141 - NATIONAL POLE VAULT STANDARDS SPECIFICATIONS

### Specifications:

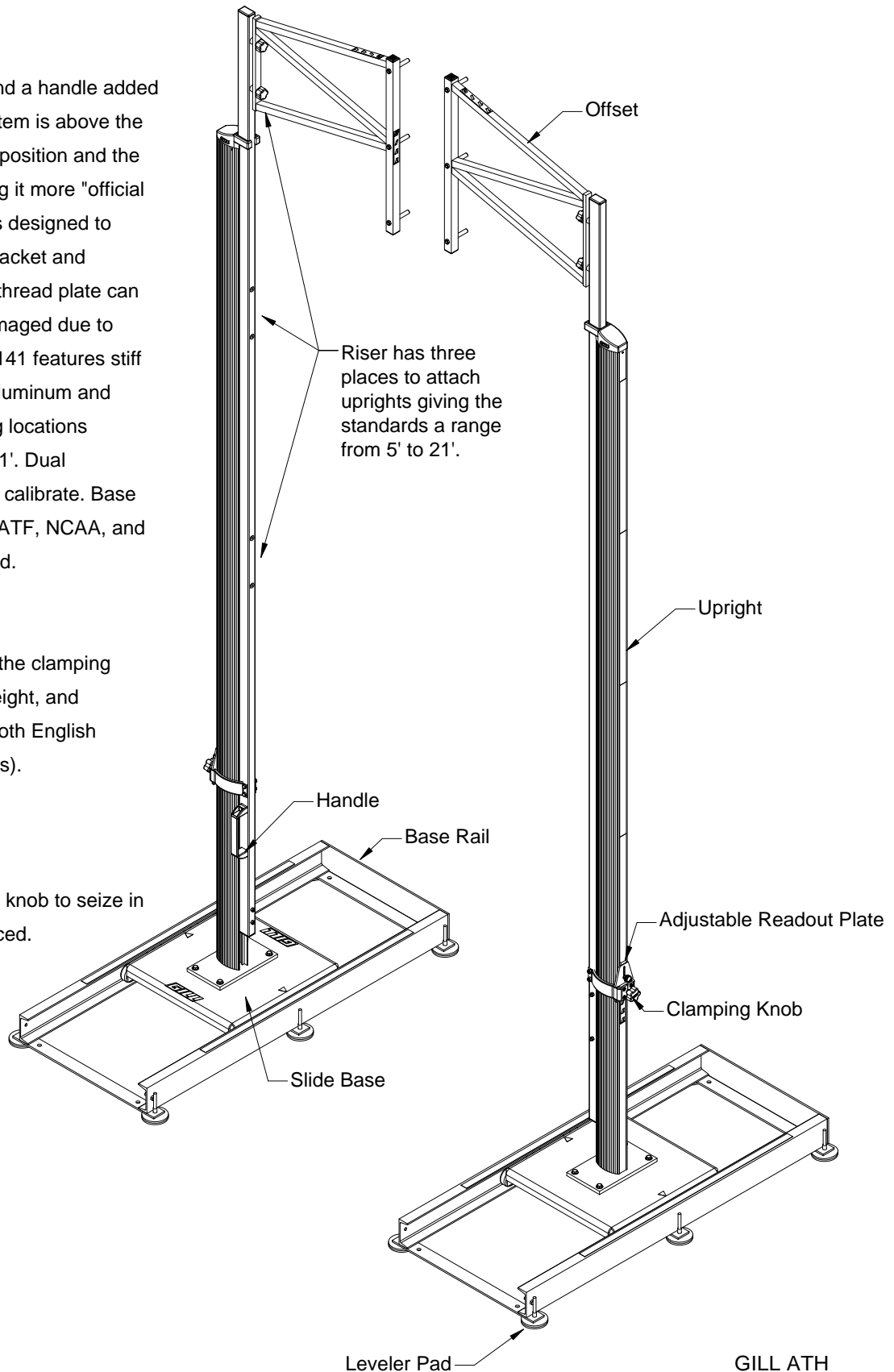
This standard has a clamping system and a handle added for ease of operation. The clamping system is above the base pad protectors when in the lowest position and the tightening knob is on the outside, making it more "official friendly". The adjustable readout plate is designed to deflect poles away from the clamping bracket and minimize pole damage. The 5/16" thick thread plate can be easily replaced if the threads are damaged due to excessive use or over tightening. The 7141 features stiff uprights made of fluted aircraft quality aluminum and multiple offset positions. Triple mounting locations facilitate height adjustments from 5' to 21'. Dual English/Metric scale is easy to read and calibrate. Base has adjustable leveling pads. Meets USATF, NCAA, and High School specifications. IAAF certified.

### Operation:

To adjust the height of the riser, loosen the clamping knob, position the riser at the desired height, and retighten the knob. The scale reads in both English (feet and inches) and Metric (centimeters).

### Caution:

Over tightening the knob can result in damaged threads, which may cause the knob to seize in place and may require parts to be replaced.





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## 7141 - NATIONAL POLE VAULT STANDARDS OFFSET ASSEMBLY INSTRUCTIONS

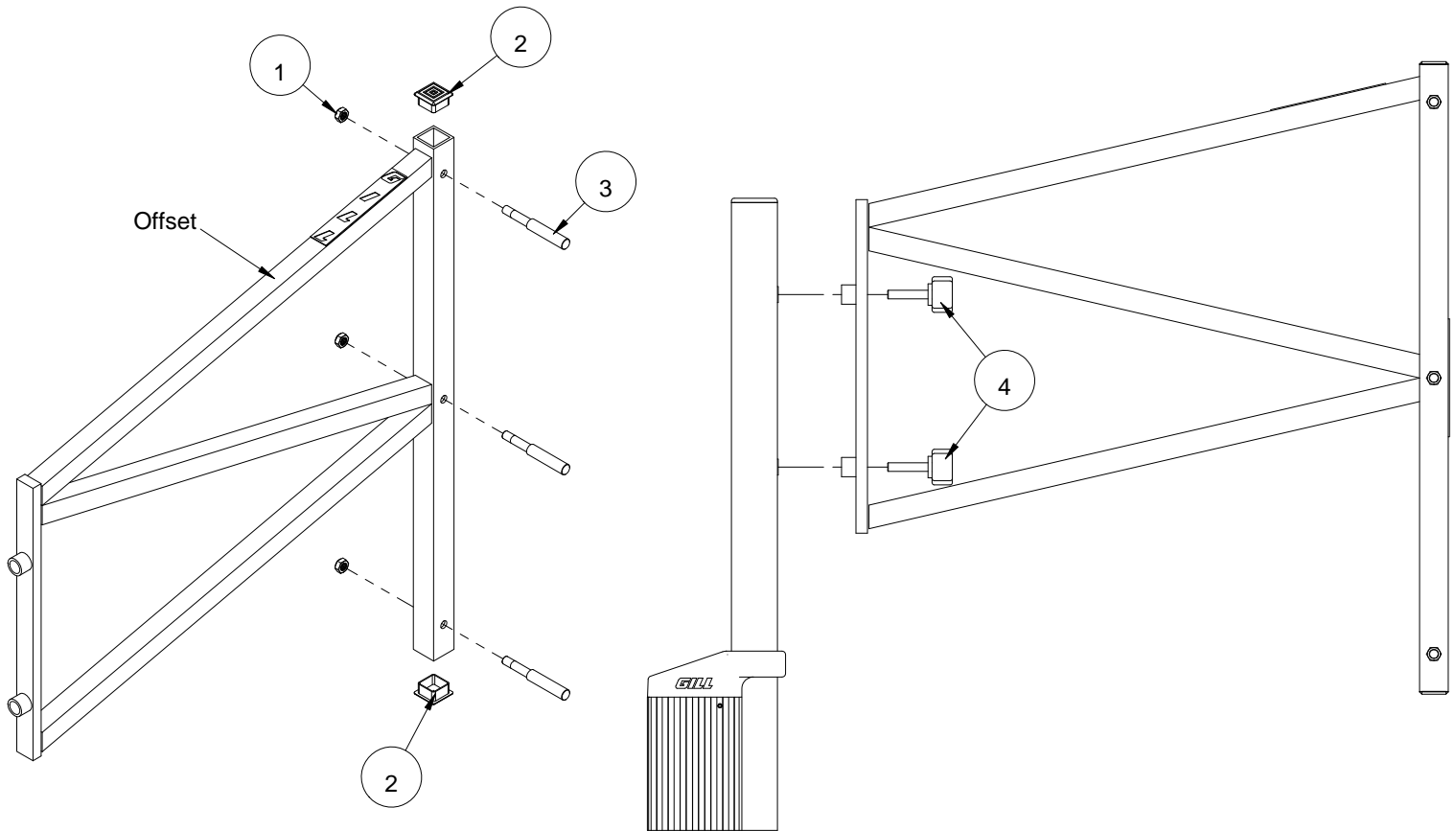
**Tools Required:** 7/16" wrench & pair of pliers

	PART #	DESCRIPTION	QTY.
1	M1235	3/8"-16 thin nylock hex nut	3
2	M428	1.25" SQ End Plug, BLK (fits 11GA)	2
3	71430	55mm bar rest pin	3
4	M2753	Knob 3/8"-16 x 1 3/4" black TPE	2

Secure the three bar rest pins (3) to each offset with 3/8"-16 thin nylock hex nuts (1).

Use pliers to hold the pin while tightening the nylock nut. Right offset is shown in the picture.

After the pins have been attached to the offset, fasten the offsets (4) to the risers with clamping knobs (5). Pins should face the pit.





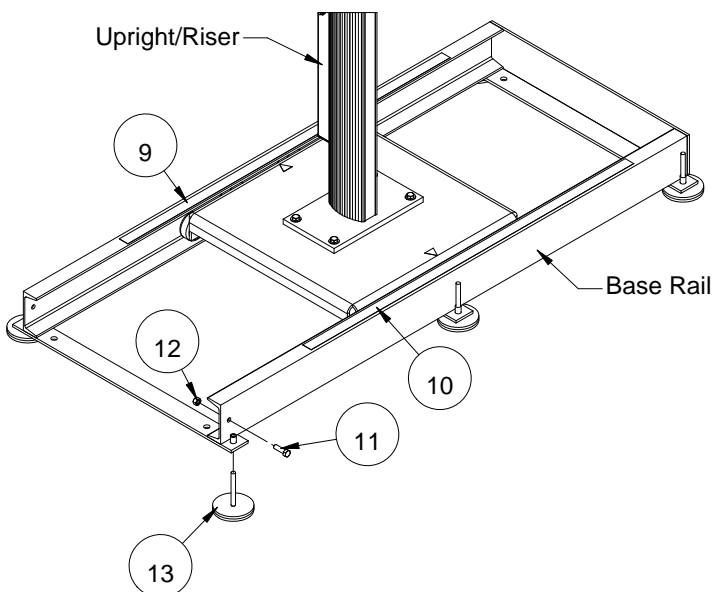
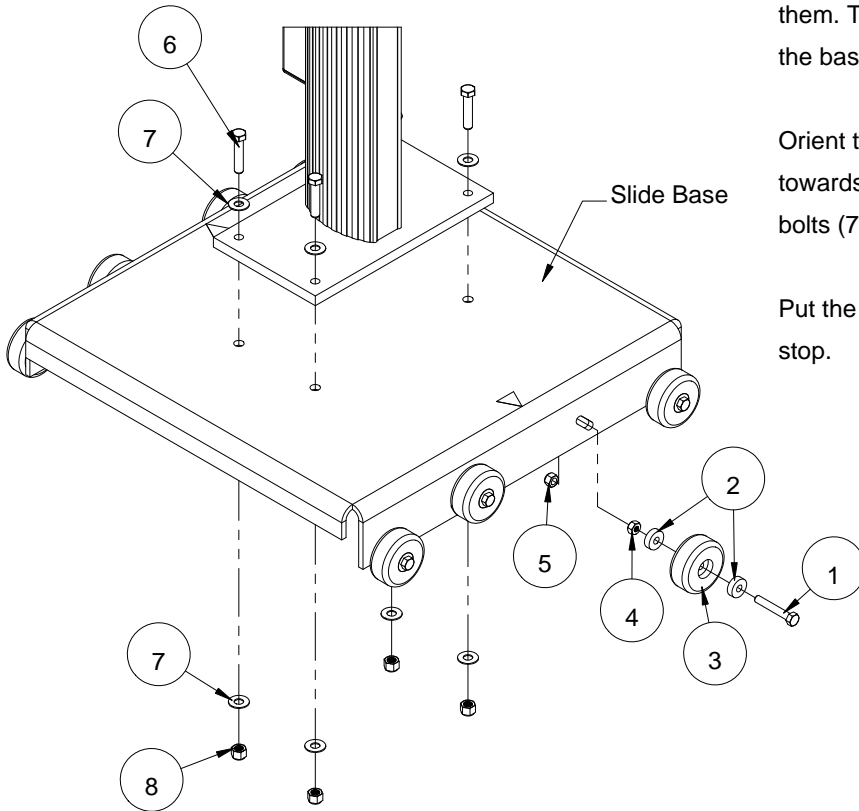
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## 7141 - NATIONAL POLE VAULT STANDARDS BASE ASSEMBLY INSTRUCTIONS

Remove the wheel stop bolt (9) and nut (10) and removed the slide base from the base rail. Position the base rails, see last page. Verify the proper position of the bases before anchoring them. There should be 206" or 5.23M between them. Anchor the base rails using the provided concrete anchors, see page 5.

Orient the upright so that risers face inwards and the pins are towards the landing pit. Fasten the upright to the slide base with bolts (7), washers (6), and nuts (8). See picture.

Put the slide base back into the base rail and replace the wheel stop.



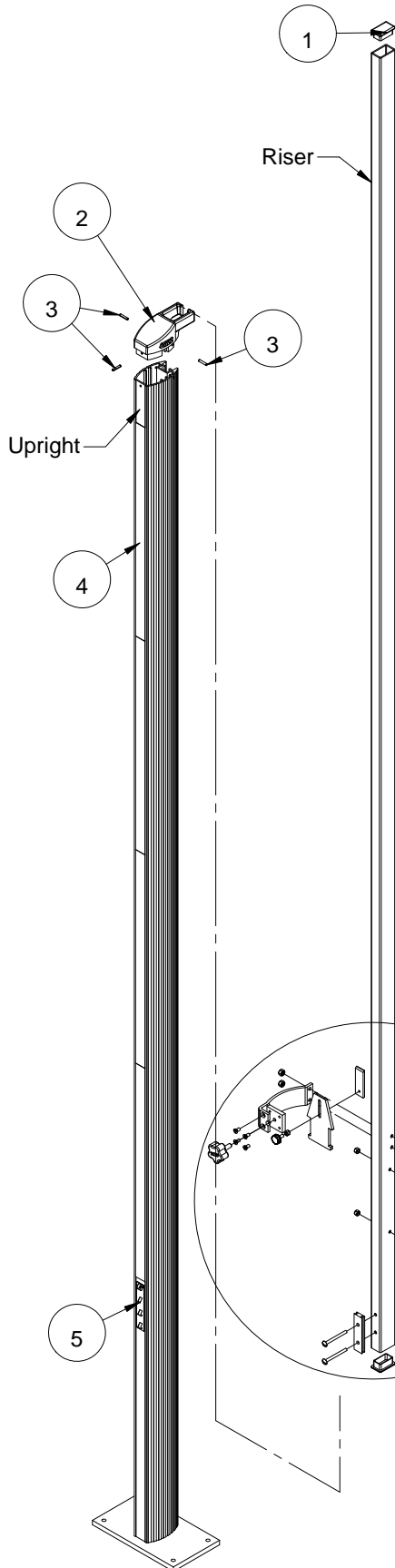
	PART #	DESCRIPTION	QTY.
1	M2834	5/16"-18 x 2" Hex Bolt Full Thread	8
2	M717B	Ball Bearing	16
3	M718	61 mm skate wheel	8
4	M1251	5/16-18 Hex Nut, Plated	8
5	M1254	5/16"-18 Nylock Hex Nut	8
6	M2533	3/8"-16 x 1 3/4" Stainless Steel Hex Bolt	4
7	M2534	Washer, Flat, 3/8" SAE, .875" OD, .4" ID	8
8	M1291	3/8"-16 Nylock hex nut, standard height	4
9	M2319	PV Rail scale-metric 7110/7141 base 1"x38"	1
10	M2318	PV Rail scale-inches 7110/7141 base 1"x38"	1
11	M1225	3/8"-16 x 1.25" Hex bolt, plated	1
12	M1236	3/8"-16 Hex Nut	1
13	M2595	Leveling glide 3/8"-16 x 2", plated	6



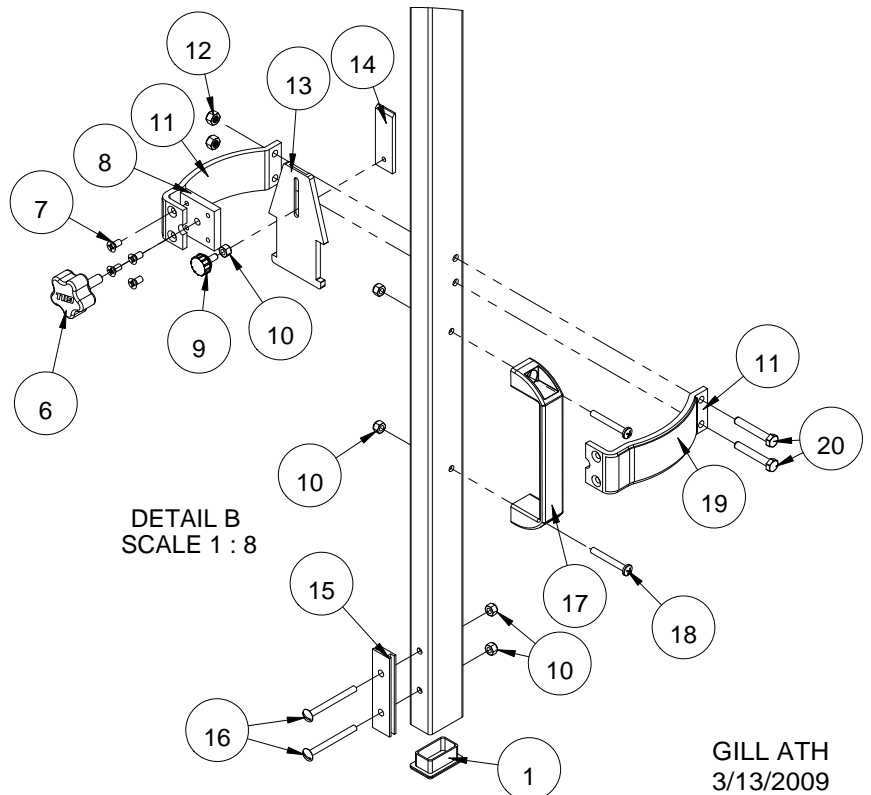
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## 7141 - NATIONAL POLE VAULT STANDARDS UPRIGHT/RISER ASSEMBLY

The riser will ship assembled. However, there may be circumstances that require knowledge of the inner working parts. These parts are called out in the drawing at left.



	PART #	DESCRIPTION	QTY.
1	M478	1.25" x 2" End Plug, black	2
2	M955	Upper Guide Body, 7140	1
3	M2511	3/16" x 1" Spring Pin	3
4	M2305	7141 Decal Set	4
5	M1408B	5" Vertical Gill Decal, Black/Clear	1
6	M2752	KNOB 3/8 X 1" BLACK TPE W/LOGO	1
7	M2238	1/4"-20 x 1/2" Flat head machine screw, phillips, zinc plated	4
8	M1795	Clamping Plate	1
9	M2526	Knob, 1/4" x 9/16" stud, 7/8" DIA	1
10	M1290	1/4-20 Nylock Hex Nut	5
11	M1785	Clamp Bracket	2
12	M1232	5/16"-18 Nylock Hex Nut	2
13	M1786	Pressure Plate	1
14	M1787	Readout Slide	1
15	714031	Slide Block, UHMW	1
16	M1273	1/4" x 2.75" Slotted Truss HD Screw	2
17	M2751	8" Handle, Plastic	1
18	M2572	1/4-20 x 2" pan hd philips	2
19	M1656	Warning/Offset Decal	2
20	M1228	5/16"-18 x 2" Hex bolt, plated	2



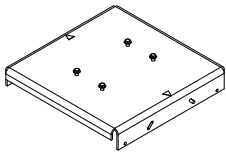
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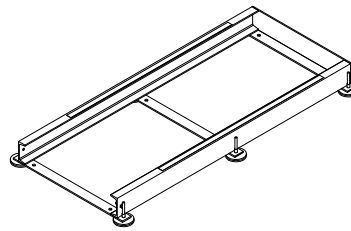
## 7141 - NATIONAL POLE VAULT STANDARDS REPLACEMENT PARTS



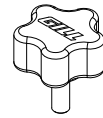
- P714101**  
Slide base
- Painted base
  - Decals
  - Mounting Hardware



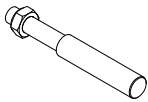
- P713003**  
Single Wheel
- Wheel
  - Bearings
  - Bolt with nuts



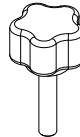
- P714102**  
Single Rail Assembly
- Rail frame with decals
  - Bolt and nut
  - 6 Leveling glides



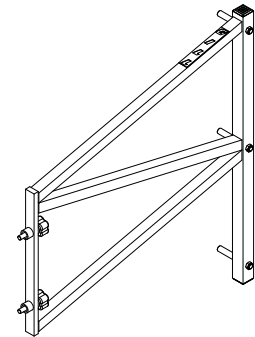
- M2752**  
Knob 3/8" x 1 TPE w/logo



- P71430**  
55mm Bar Rest Pin w/nut



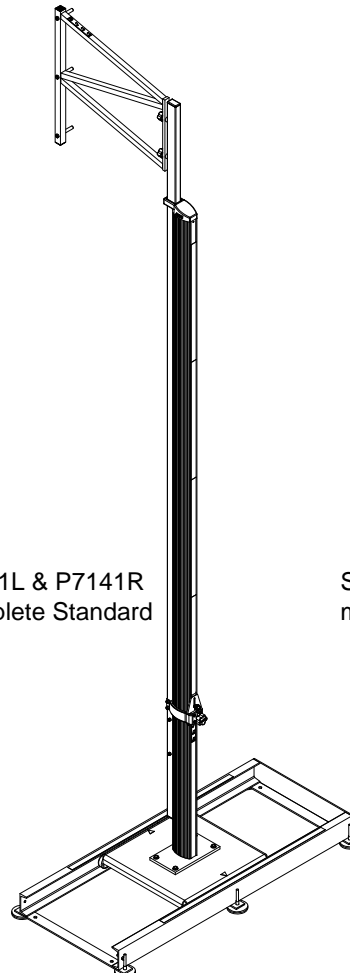
- M2753**  
Knob 3/8" x 1 3/4" TPE



- P714050**  
Single Offset with hardware
- Offset with caps
  - Pins
  - Nuts
  - Mounting Knobs



- P714120**  
Upright only
- decals



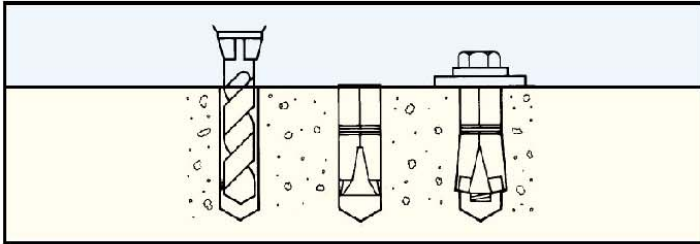
- P7141L & P7141R**  
Complete Standard

See previous page for clamping mechanism parts.



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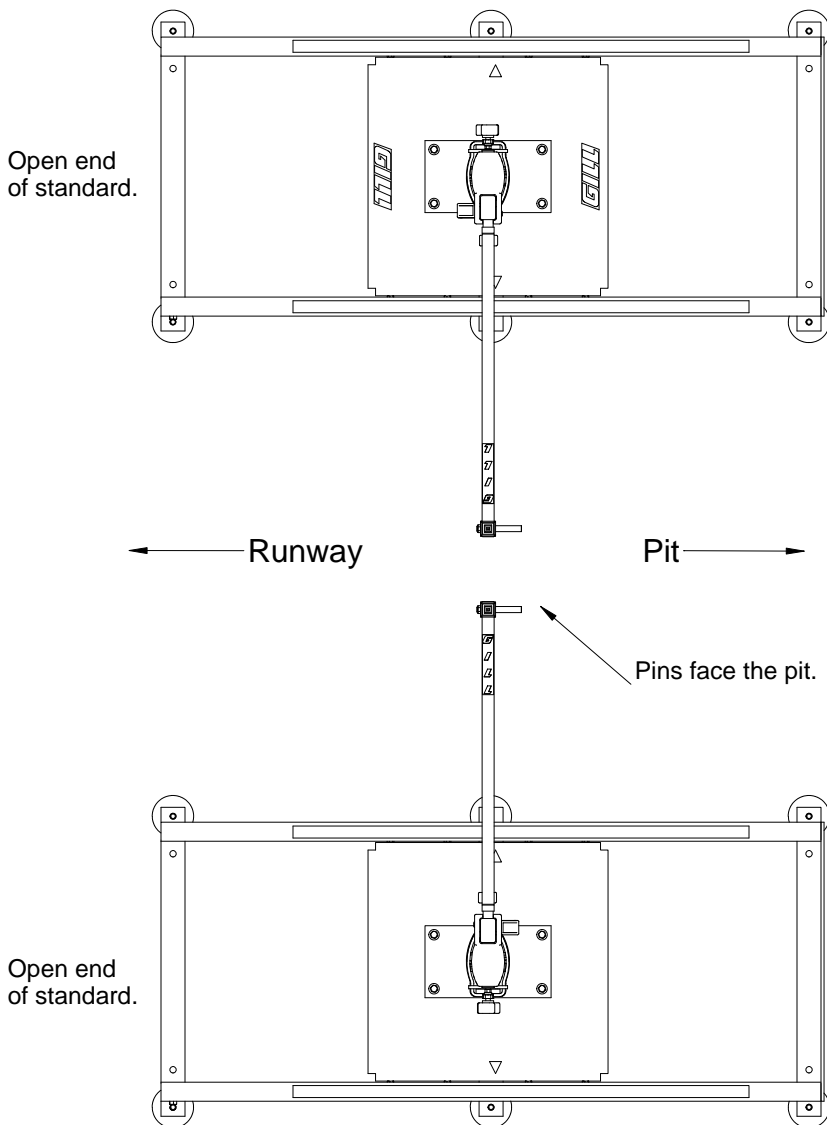
## 7141 - NATIONAL POLE VAULT STANDARDS BASE RAIL ANCHORING INSTRUCTIONS



Instructional information from www.mkfastening.com.

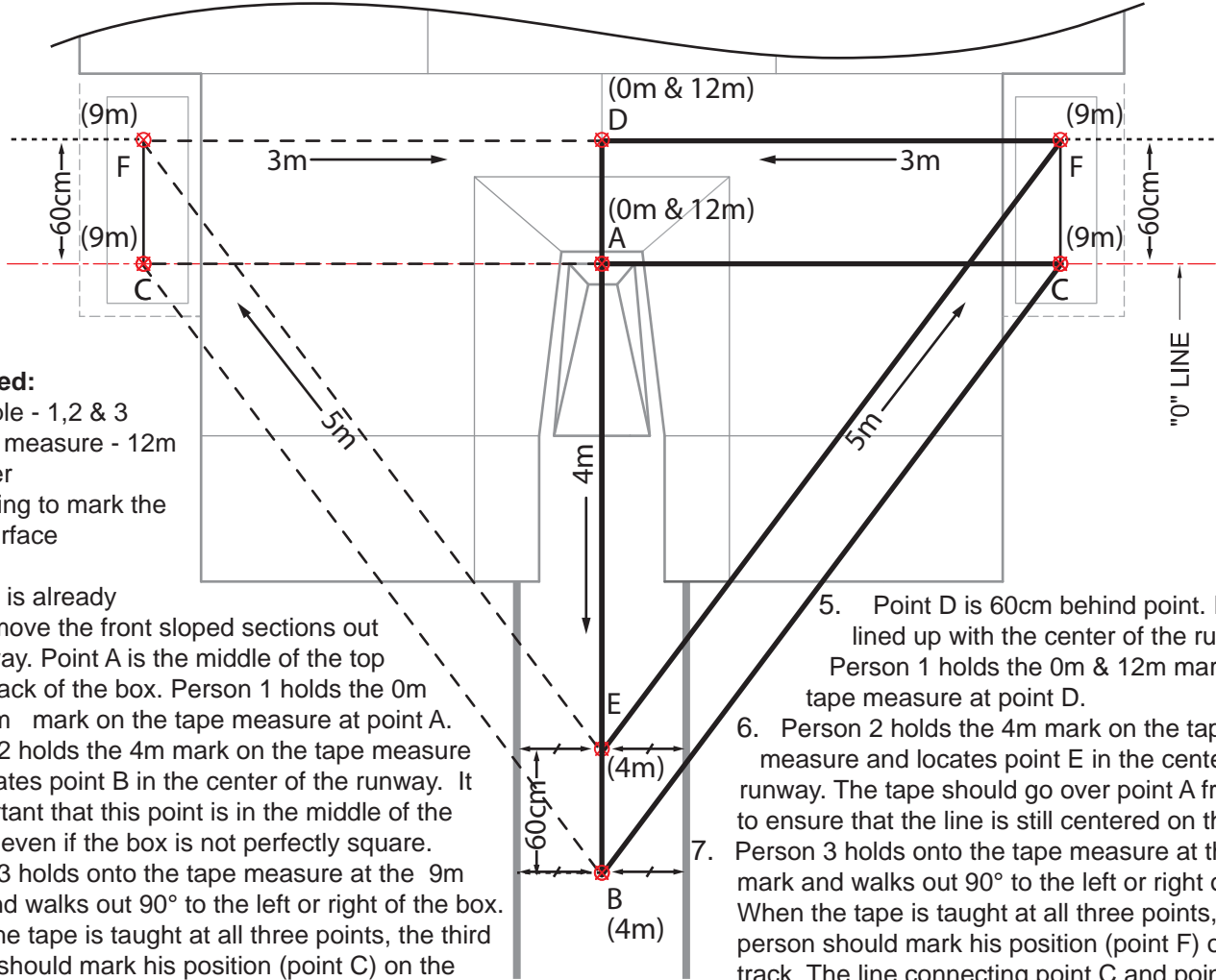
### Tools Required:

- (1) Drill
- (1) 7/8" Masonry Bit
- (1) Hammer
- (1) 3/4" Wrench or Socket



1. Proper alignment of standards is critical before drilling anchor holes. See the last two pages for more information. After standards have been properly positioned, mark the hole placement.
2. Drill recommended diameter hole to depth of shield.
3. Clean hole of debris.
4. Insert shield in hole threaded end first and tap with hammer for proper positioning.
5. Place base rail back over holes.
6. Insert included 1/2"-13 bolt and 1/2" washer through rails into shield and tighten.

**ALIGNMENT**

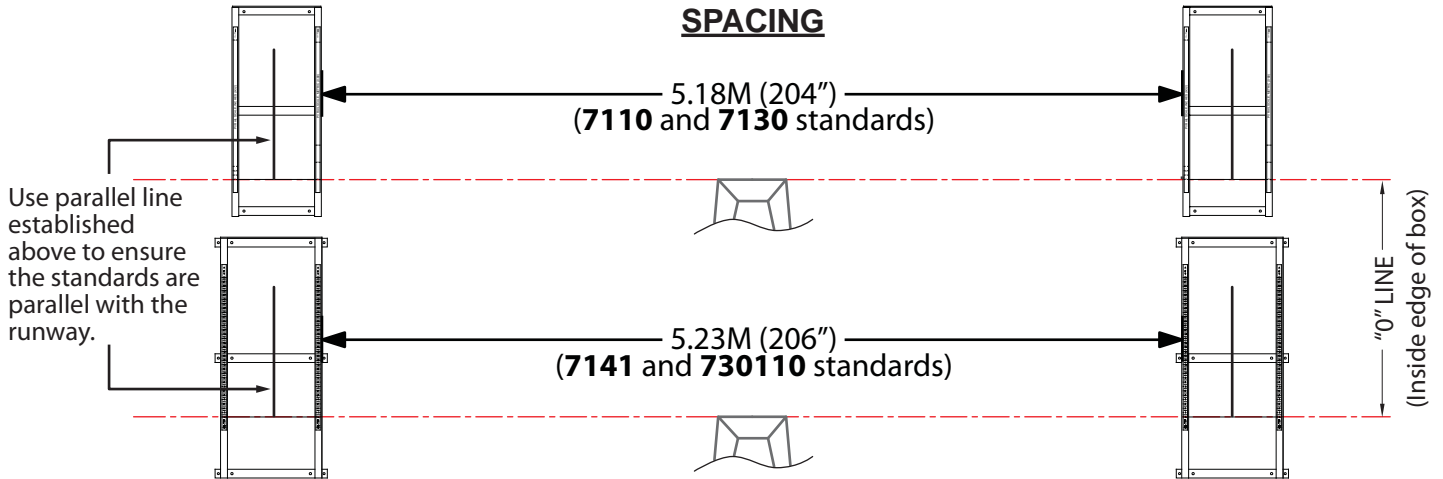


**You will need:**

- (3) people - 1, 2 & 3
- (1) tape measure - 12m or longer
- Something to mark the track surface

1. If the pit is already setup, move the front sloped sections out of the way. Point A is the middle of the top of the back of the box. Person 1 holds the 0m and 12m mark on the tape measure at point A.
2. Person 2 holds the 4m mark on the tape measure and locates point B in the center of the runway. It is important that this point is in the middle of the runway even if the box is not perfectly square.
3. Person 3 holds onto the tape measure at the 9m mark and walks out 90° to the left or right of the box. When the tape is taught at all three points, the third person should mark his position (point C) on the track. The line connecting point A and point C is the "0" line.
4. Repeat this process on the other side.
5. Point D is 60cm behind point A. It is still lined up with the center of the runway. Person 1 holds the 0m & 12m marks on the tape measure at point D.
6. Person 2 holds the 4m mark on the tape measure and locates point E in the center of the runway. The tape should go over point A from before to ensure that the line is still centered on the runway.
7. Person 3 holds onto the tape measure at the 9m mark and walks out 90° to the left or right of point D. When the tape is taught at all three points, the third person should mark his position (point F) on the track. The line connecting point C and point F will help adjust the standards so that they are parallel to the runway.
8. Repeat on the other side.

**SPACING**



By rule the distance between the pegs should be 4.30m - 4.37m (~169.25" - 172"). In order to achieve this distance the bases should be located as shown above. Distances given are measured between the side walls of the bases.

Gill recommends you double check that the distance between the pegs meets the rules before the concrete anchors are installed. Gill Athletics accepts no responsibility for incorrectly installed standards. If you have questions please call 1-800-637-3090 for assistance.