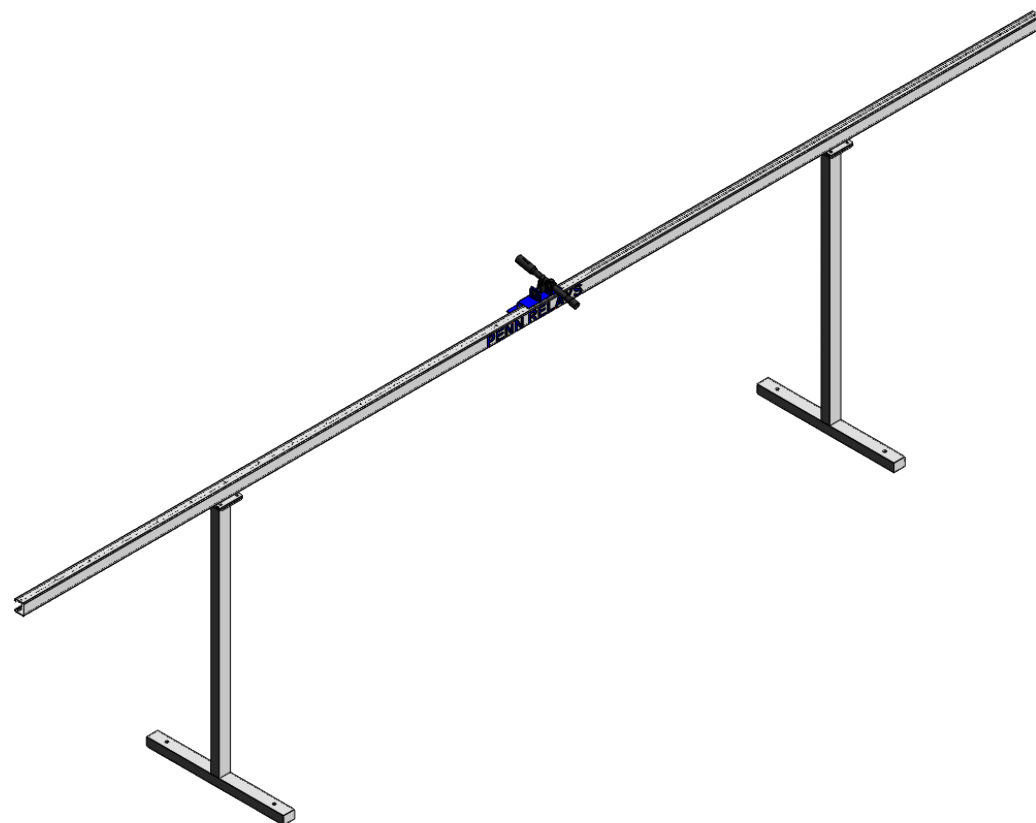
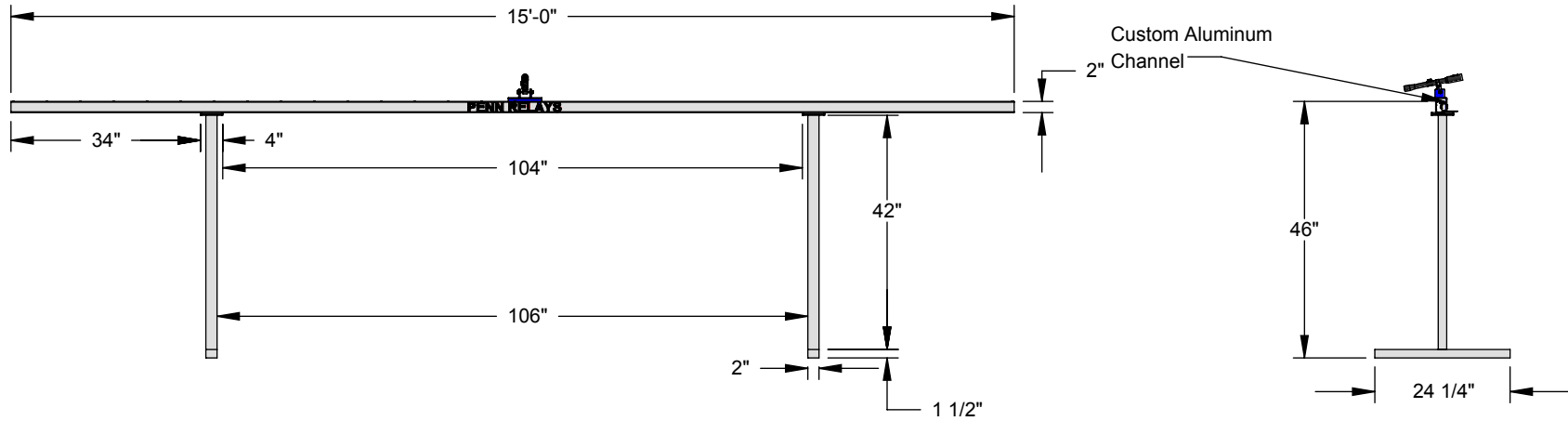


# AAE Model No. JMS-I JUMPMASTER

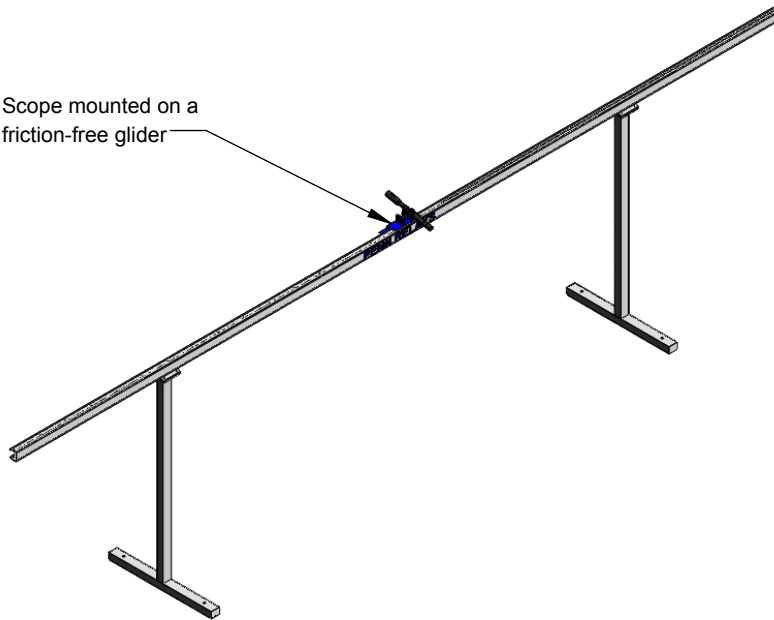


**Aluminum Athletic Equipment**  
1000 Enterprise Drive, Royersford, PA 19468  
Toll Free: (800) 523-5471 Fax: (610) 825-2378  
[www.AAEsports.com](http://www.AAEsports.com)

# JUMPMASTER Specifications



Scope mounted on a friction-free glider



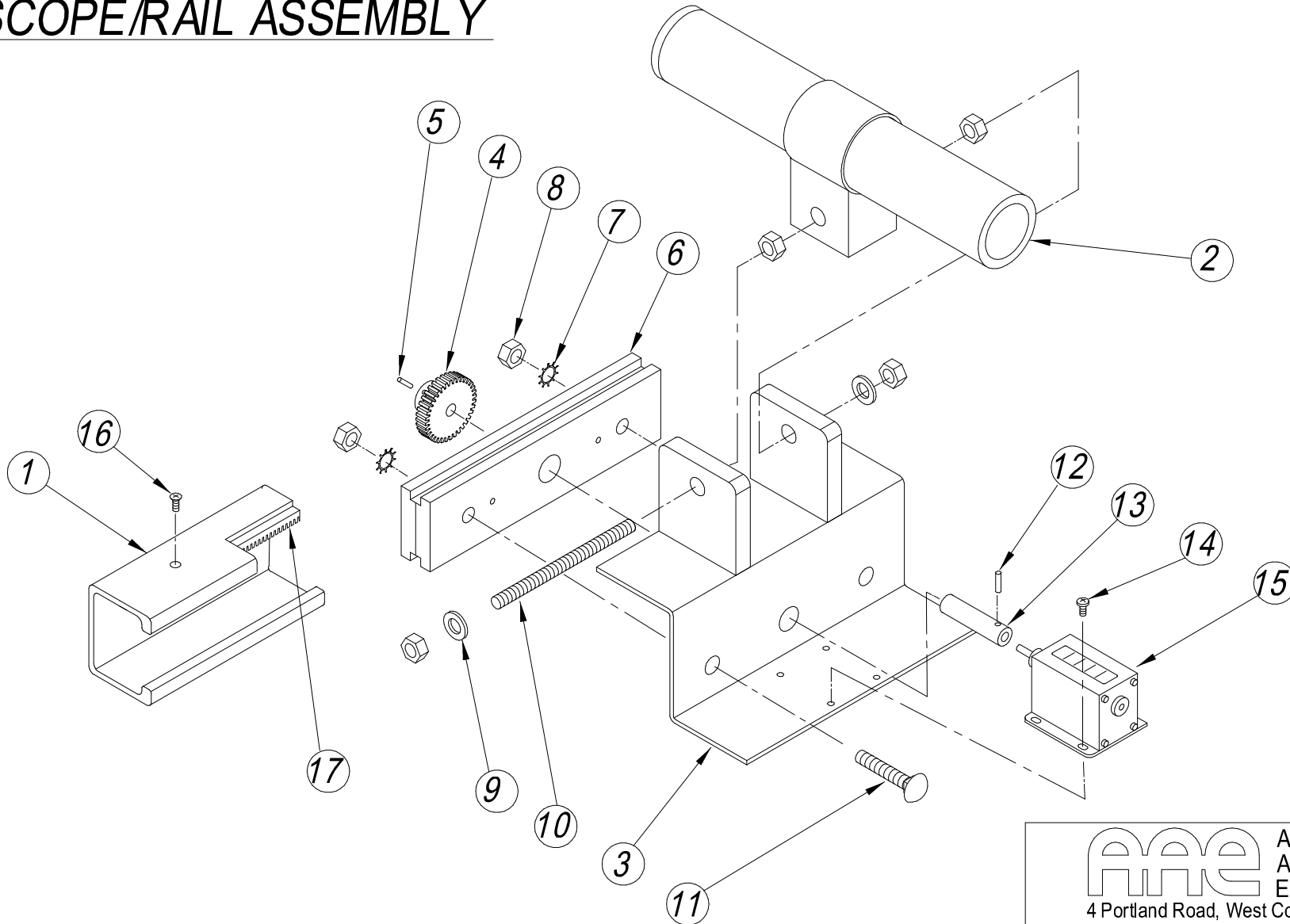
Choice of digital metric counter  
or manual English scale




**Aluminum Athletic Equipment**  
1000 Enterprise Drive, Royersford, PA 19468  
Toll Free: (800) 523-5471 Fax: (610) 825-2378  
www.AAEsports.com

DESCRIPTION:			<b>JMS - Specifications</b>		
NOTE:			Jumpmaster		
MODEL:	JMS	CATEGORY:	CUSTOMER	DATE:	4/2/2018
DWN. BY:	CED	CAD FILE:	JMS Specifications	DWG. NO.:	JMS-C-002

# JMS-I SCOPE/RAIL ASSEMBLY

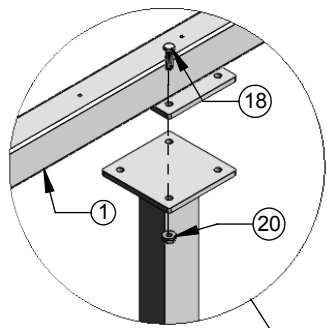


		
<b>ALUMINUM ATHLETIC EQUIPMENT</b>		
4 Portland Road, West Conshohocken, PA 19428 Phone: (610)-825-6565 Toll-free: 1-800-523-5471		
DESCRIPTION:		
<b>JMS-I JUMPMaster - SCOPE/RAIL ASSEMBLY</b>		
MODEL NO.:	ITEM:	DATE:
JMS I		3/7/91
DWN. BY:		DWG. NO.:
CEL		AAE-58

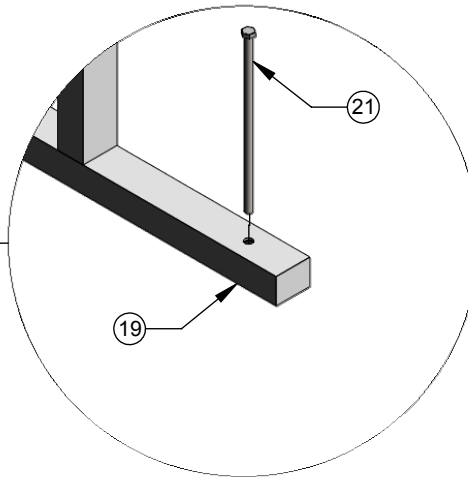
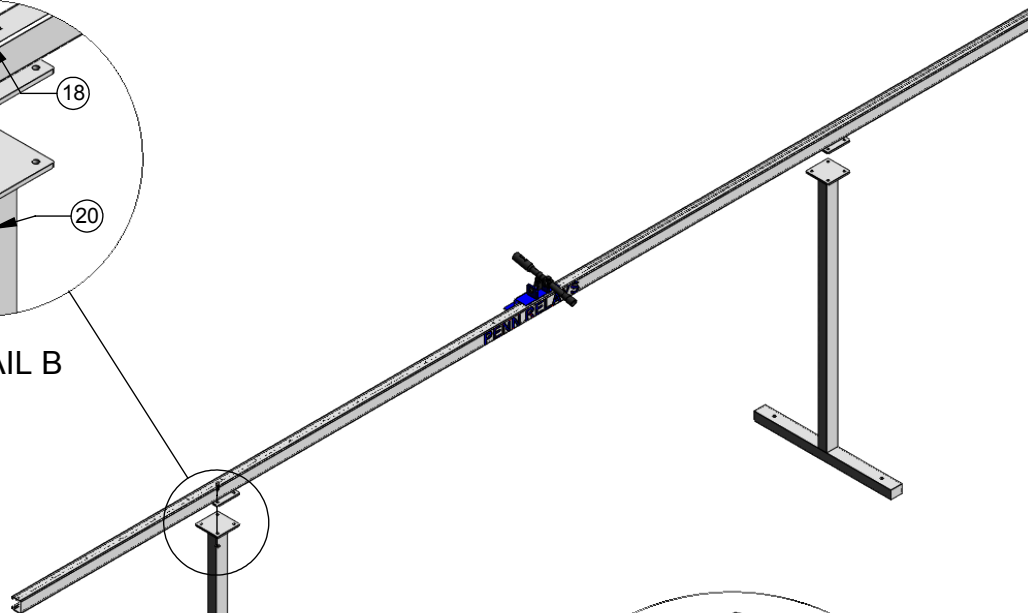
# JMS-I - Rail/Base Assembly

## Assembly Instructions

1. Assemble horizontal bar (Item No. 1) to bases (Item No. 19) using (8) flat head machine screws (Item No. 18) and (8) lock nuts (Item No. 20).
2. See Set-Up and Operation instructions for proper installation of scope assembly.
3. Once Set-Up and Operations instructions are completed, the JUMPMASTER may be anchored to the ground with anchor pins (Item No. 21).



DETAIL B



DETAIL A



**Aluminum Athletic Equipment**  
 1000 Enterprise Drive, Royersford, PA 19468  
 Toll Free: (800) 523-5471 Fax: (610) 825-2378  
[www.AAEsports.com](http://www.AAEsports.com)

DESCRIPTION:		
<b>JMS-I - JUMPMASTER</b>		
NOTE: Rail/Base Assembly		
MODEL:	CATEGORY:	DATE:
JMS-I	<b>CUSTOMER</b>	04/02/2018
DWN. BY:	CAD FILE:	DWG. NO.:
CED	JMS-I Specifications	JMS-I-C-002

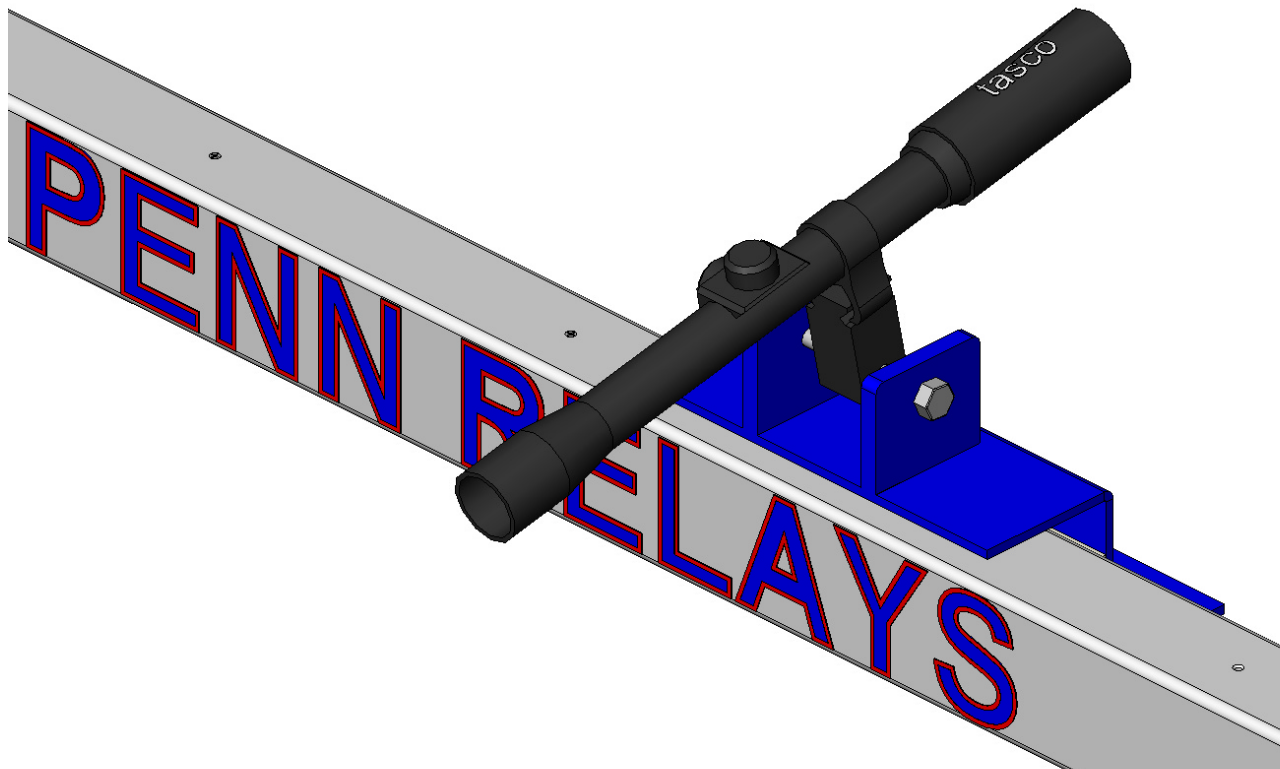
# JMS I JUMPMaster CONVERSION INSTRUCTIONS

---

For installations where the JMS I frame is permanently installed in a fixed position, the "Scope Unit" may be converted from long jump to triple jump measurements as follows:

- Step No. 1            Determine the exact metric distance between the long jump and triple jump board. **(i.e. - 6.06 meters)**
- Step No. 2            Slide the "Scope Unit" to the end of the horizontal bar closest to the long jump take-off board. (The lower reading side)
- Step No. 3            Slowly slide the "Scope Unit" off the end of the horizontal bar. Place your finger on the rear of the nylon gear to prevent gear from spinning as it exits channel. Constantly check the nylon gear with each movement to verify that it is still engaged with the aluminum gear rack as it nears the end of the channel. As soon as the nylon gear dis-engages the last tooth of the aluminum gear rack, **record** the metric reading on the rotary counter. **(i.e. - 4.42 meters)**
- Step No. 5            Advance the rotary counter by rotating the nylon gear so that when it is re-engaged with the first tooth of the gear rack, it will now read 10.48 meters. **(4.42m + 6.06m)**
- Step No. 6            Slide "Scope Unit" in the "+" direction and you are now prepared to take readings for the triple jump.

**FOR TECHNICAL ASSISTANCE, CALL 1-800-523-5471**



**JMS I  
JUMPMaster  
PARTS LIST**

<b>Pt.#</b>	<b>Item</b>	<b>Description</b>	<b>Qty.</b>
1	Horizontal Bar	6061T6 custom aluminum channel, 15'0" lg.	1
2	Scope	Custom-made aluminum scope sub-assembly	1
3	Z-Bracket	Steel Z-Bracket w/ welded scope supports	1
4	Nylon Gear	30 tooth nylon gear, 1.25 p.d., 14.5 deg. pressure angle, 3/8" dia. bore.	1
5	Split Pin	3/32" dia. x 3/4" lg. split pin	1
6	Glide	"UHMW" - 3/4" wide x 1-9/16" x 6" long	1
7	Washer	1/4" external tooth lock washer, plated	2
8	Nut	1/4"-20 steel hex nut, plated	6
9	Washer	1/4" flat washer, plated	2
10	Threaded Shaft	1/4"-20 all thd., 3-1/2" long	1
11	Bolt	1/4"-20 x 1-1/4" carriage bolt, plated	2
12	Split Pin	1/16" dia. x 1/2" lg. split pin	1
13	Gear Shaft	3/8" dia. x 1-1/2" lg., steel	1
14	Screw	#4-40 x 1/4" machine screw	4
15	Counter	Rotary Counter, single shaft	1
16	Screw	#4 x 1/4" self tapping screw	28
17	Gear Rack	1/4" square aluminum gear rack - 1.25" p.d., 14.5 deg. pressure angle	1
18	Bolt	1/4-20 x 1" FH mach. screw, plated	8
19	Base	1-1/2" x 2" aluminum construction w/ welded 4" square mounting plate	2
20	Nut	1/4"-20 serrated flange nut, plated	8
21	Anchor Pin	3/8"-16 x 9" hex bolt, plated	4

**FOR TECHNICAL ASSISTANCE, CALL 1-800-523-5471**