

Scotty's Maxi Mount



- Solid as a rock
- All sky accessible
- Air portable @ < 12 lbs.
- (<20 including scope)
- 2 axis slow motion control
- Stealthy black for multi-station deployment
- Stands only 24" tall
- Costs ~\$100
- Mag limit with PC164EX-2 = **12.5**

Parts list

✓ **Orion Min-EQ Tabletop Equatorial Telescope Mount**

✓ http://www.telescope.com/catalog/search.cmd?form_state=searchForm&keyword=09055

✓ **Craftsman Telescoping Tripod Impact Sprinkler**

✓ <http://www.sears.com/craftsman-telescoping-tripod-impact-sprinkler/p-07140129000P?prdNo=1>

✓ **Craftsman Tripod to Orion MiniEQ adaptor consists of:**

- 1 each – ½" x ¼" hex plumbing bushing (Home Depot)
- 1 each – 10mm-1.50 x 60mm hex bolt (Home Depot)
- Glue bolt inside bushing using JB Weld

✓ **ST120 miniEQ mounting adapter consists of:**

- 1 each plate = 4" ABS black plastic pipe cut in quarters x 5" long
- 4 each nylon bumper pads between plate and ST120 tube
- 2 each 5" hose clamps (Home Depot 3" - 5" clamps)
- 2 each – ¼"-20 x 1.5" flat head machine screw with tapered head



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Craftsman Telescoping Tripod Impact Sprinkler
Sears Item# 07140129000 | Model# 27462

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Images



Orion Min-EQ Tabletop Equatorial Telescope Mount

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Quantity: 1

\$69.99

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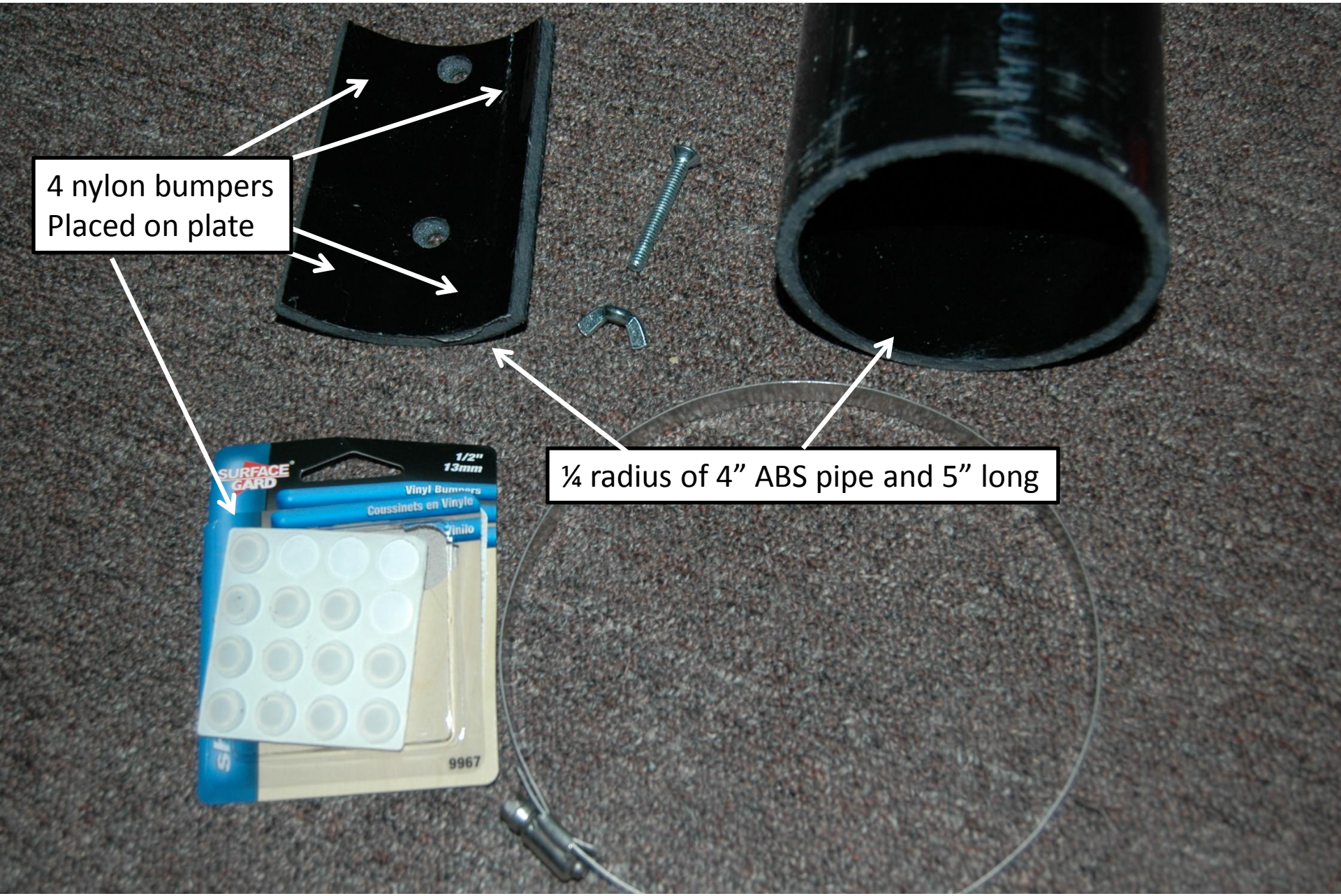


Weld the 10mm bolt inside the hex busing with JB Weld

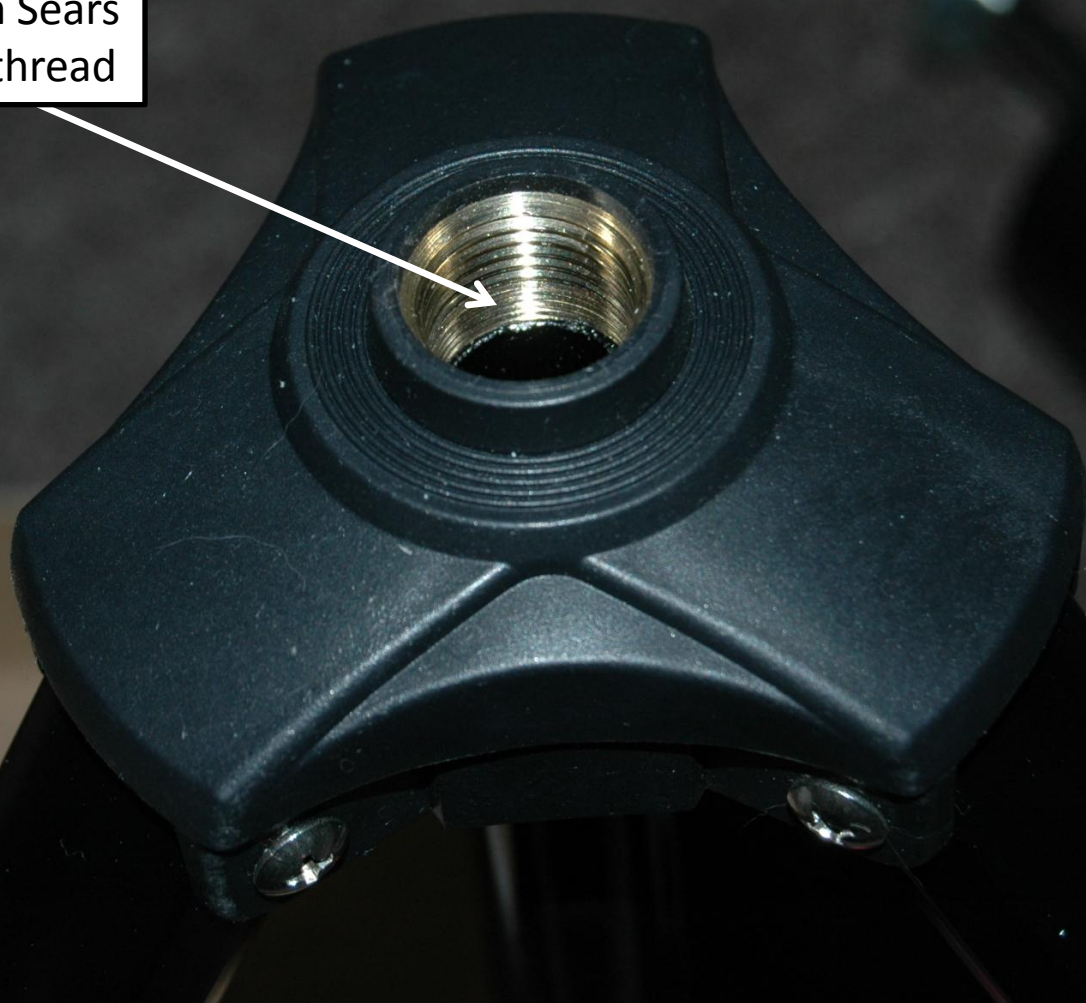
4 nylon bumpers
Placed on plate



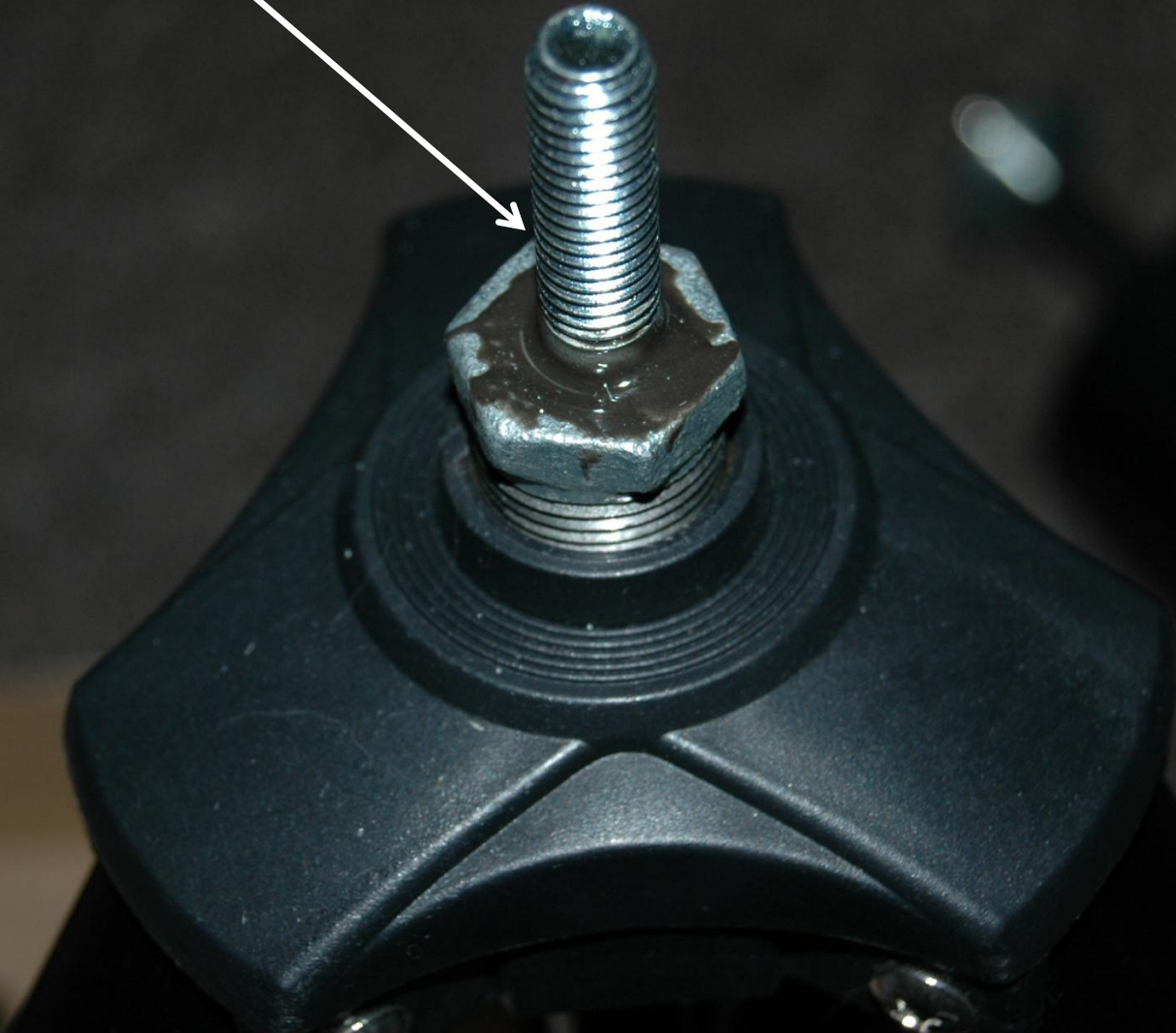
$\frac{1}{4}$ radius of 4" ABS pipe and 5" long



Tripod as is from Sears
1/2" female pipe thread

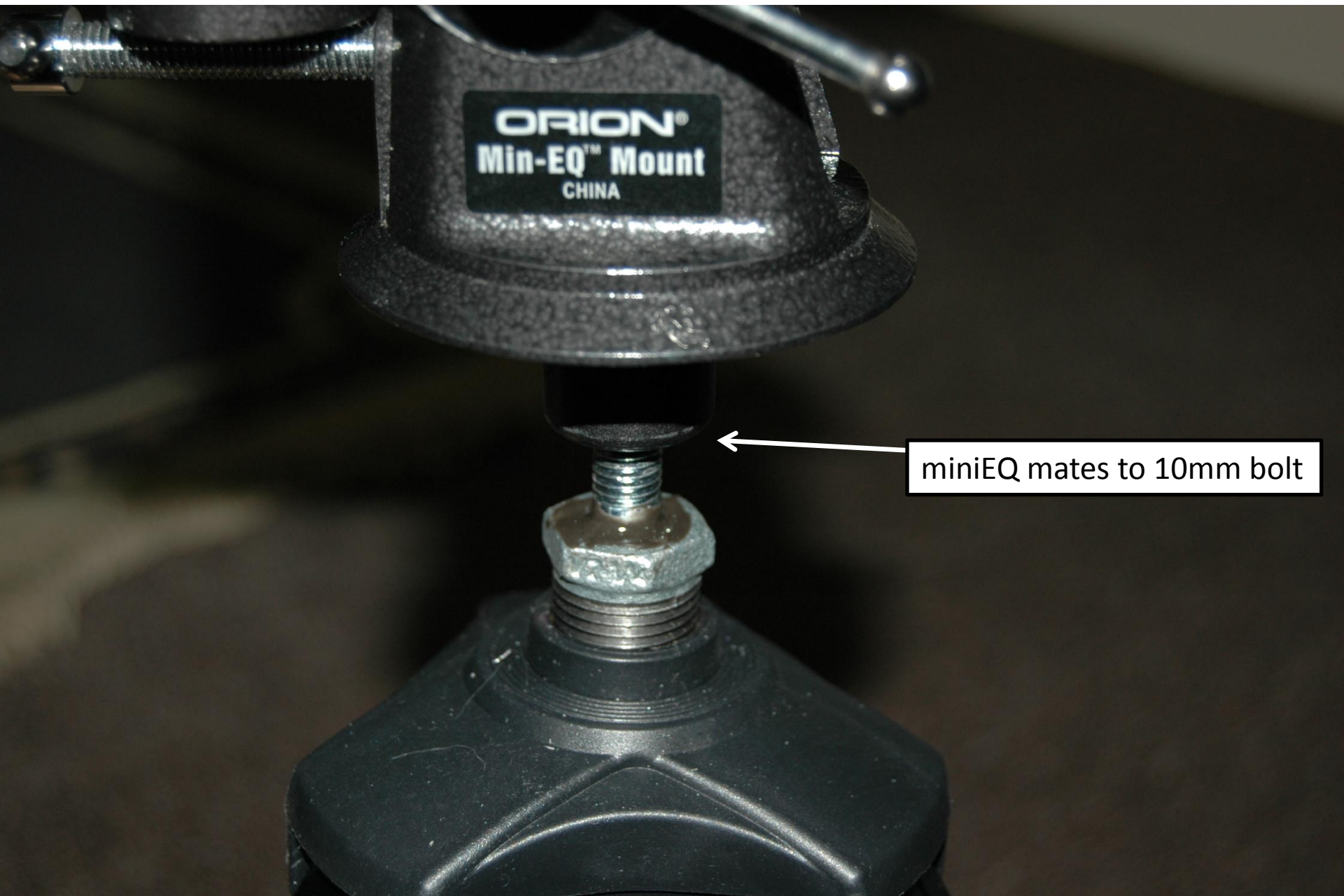


Welded 10mm bolt inside 1/2" male bushing





Orion miniEQ with its tripod base removed



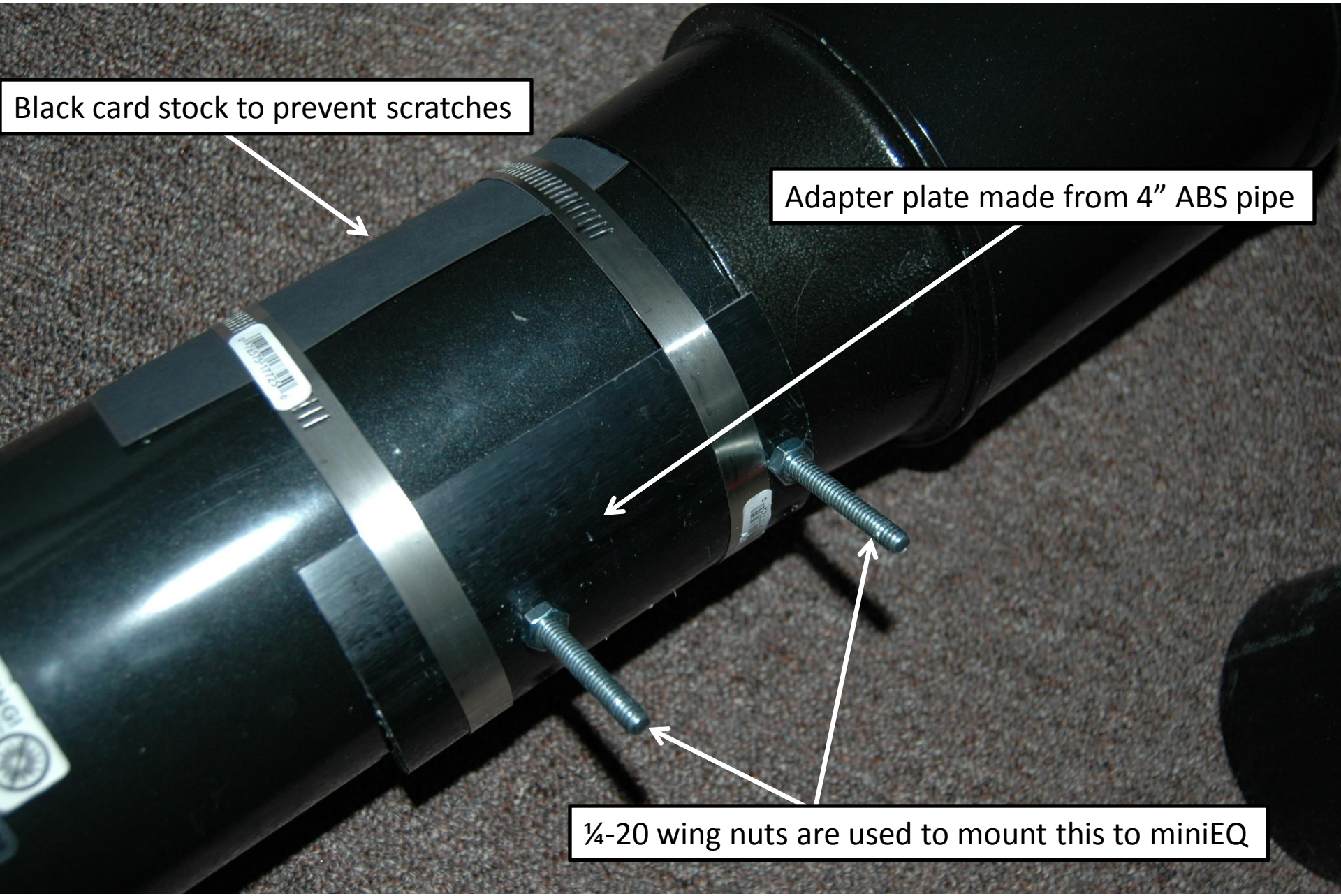
ORION®
Min-EQ™ Mount
CHINA

miniEQ mates to 10mm bolt

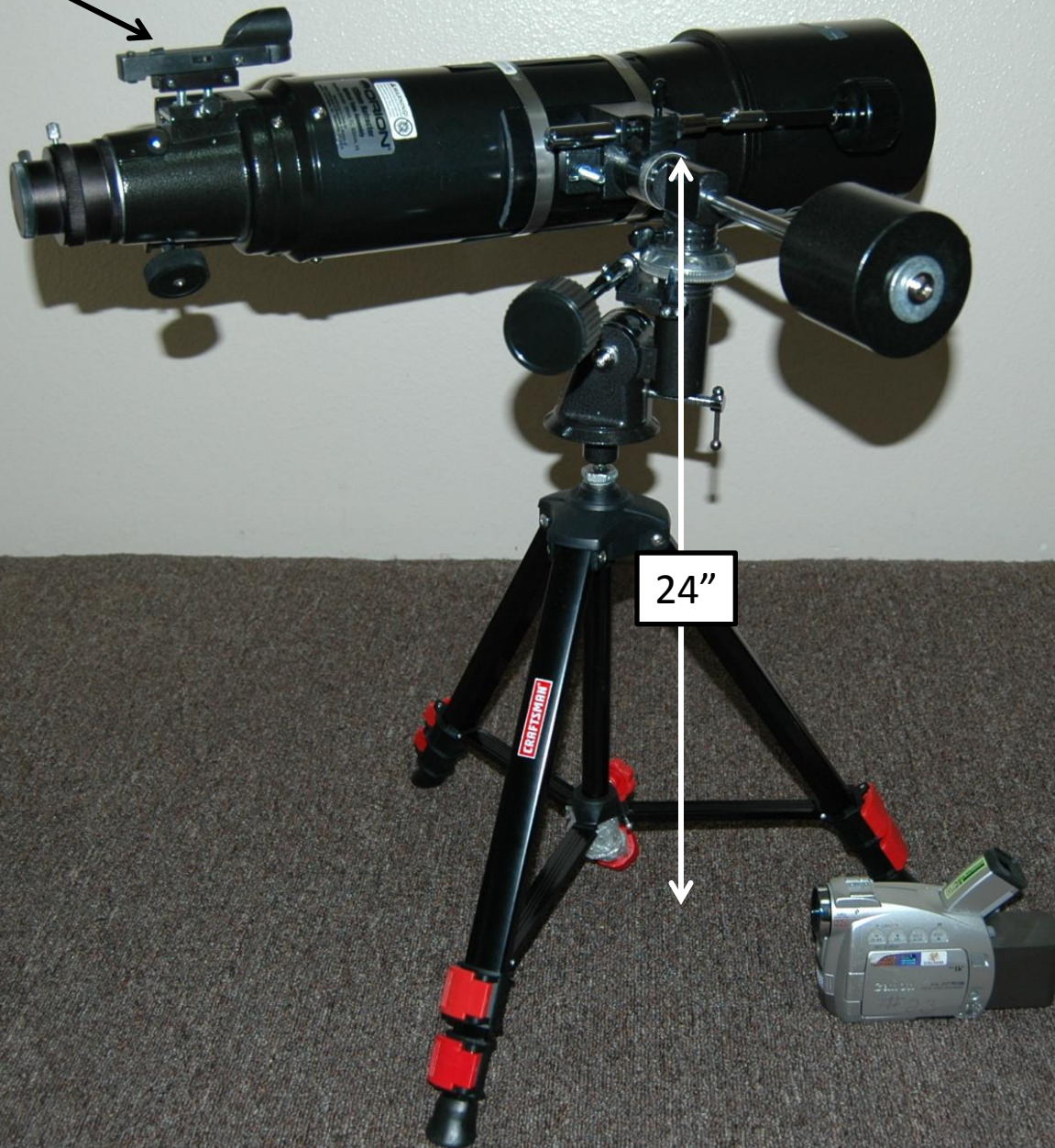
Black card stock to prevent scratches

Adapter plate made from 4" ABS pipe

1/4-20 wing nuts are used to mount this to miniEQ



Shown with homemade red dot finder (\$10 at Walmart)



2 axis slow motion control



Leading the way to the next revolution in asteroidal occultation multi-station deployment...

An array of Orion ST120mm stations, the Mighty Maxi!!!

Limiting magnitude with the PC164EX-2 = **12.5**

Limiting magnitude with the PC165DNR = ?

(likely > **14th**)

More details and testing to follow...

<http://scottysmightymini.com/>

December 15, 2012