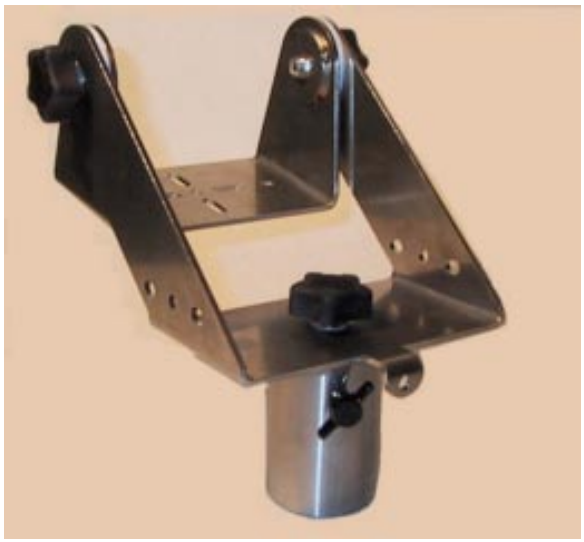


The Dyna Cradle DC-100

Thank you for purchasing a Dyna Cradle

Packing list:
[ ] Dyna Cradle DC-100
[ ] (5) ¾" Tee Screws
[ ] (5) 1" Stainless Steel Washers
[x] DC-100 Manual

Installation Instructions:

Cautions

- **Always use eye protection when using tools.**

Attaching your DC-100 to a Dyna Rail, Dyna Pod or Tripod

- Pick your location, set up your Dyna Rail, Post Pod or Tripod.
- Screw the riser down securely.
- Do not over tighten the screws.

Attaching your scope to the cradle

- Use the included screw kit to attach your scope to the cradle.
- See addition information on page 3 and 4.

Setting Friction levels

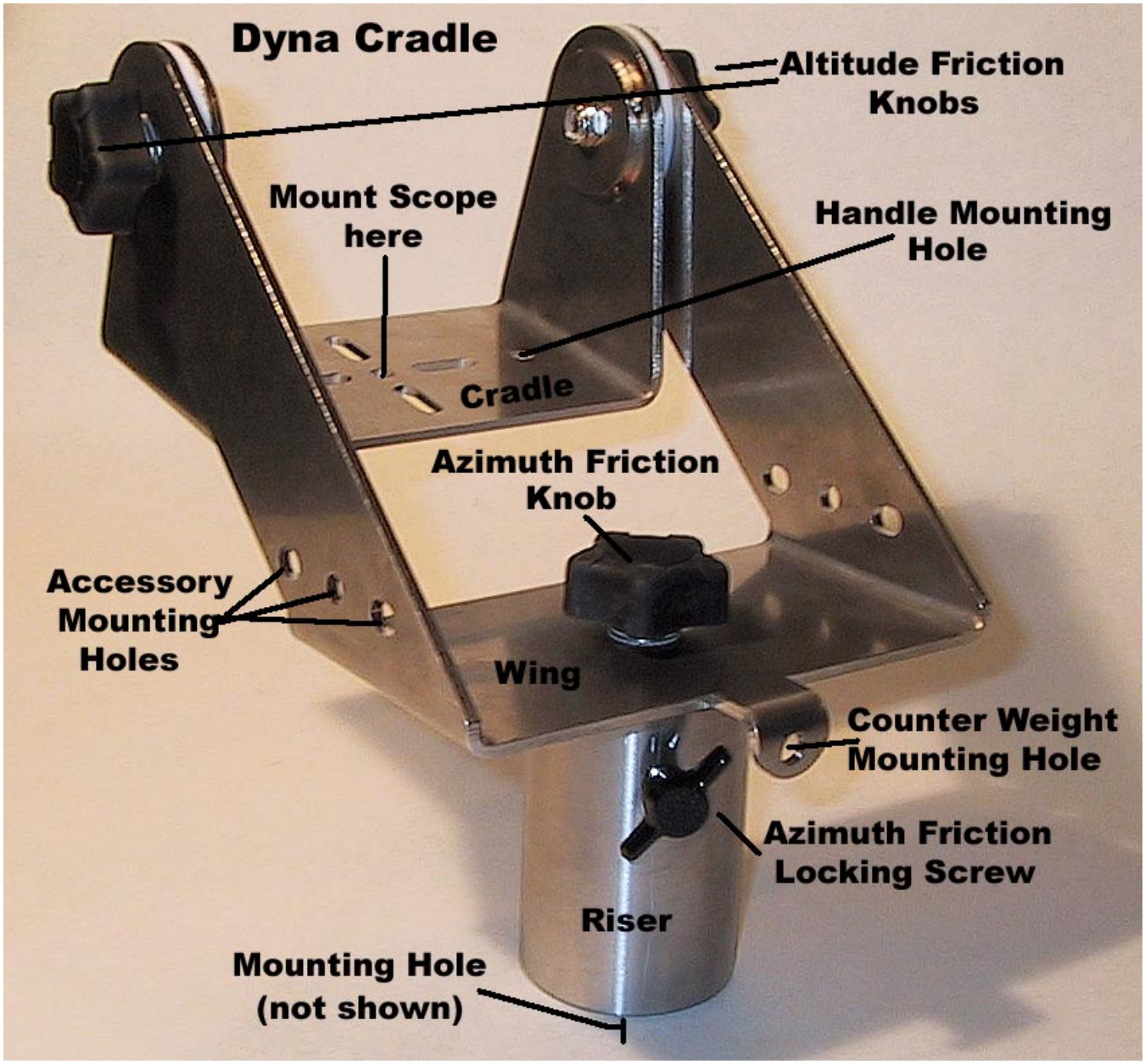
- Altitude friction is controlled by the two side knobs.
- Azimuth friction is controlled by the center knob.
- See page 2 for diagram.
- See page 4 for information about balance.

Maintenance

- No Routine maintenance, other than cleaning. No Lubrication necessary. All Teflon bearings. You can wash it off or even put it in the dishwasher.
- If it gets gritty from to prolonged salt exposure or blowing sand, just wash it off
- You never need to paint your Dyna Cradle. It has a powder coated finish.

Removing your scope

- Just remove the screws you put it on with.

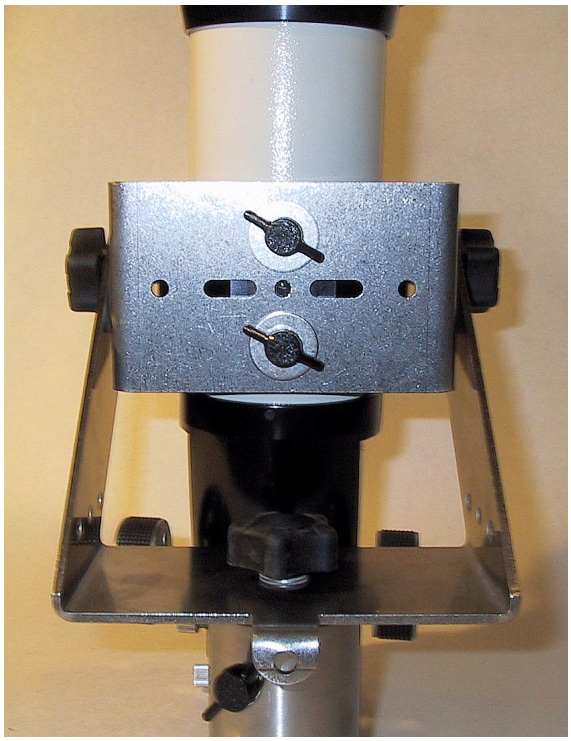


Parts of the Dyna Cradle

- **Cradle**, where you mount your scope
- You attach your scope using the included screws and washers or your own parts.
- **Wing** holds the cradle and connects to the riser
- **Riser** connects the wing to the Dyna Rail or tripod. It has a ¼-20 mounting hole in the bottom.
- **Altitude Friction Knobs**, control the amount of friction that is required to tip the scope up or down
- **Azimuth Friction Knob**, controls the amount of friction to move your scope left or right. The knob should not move when you turn the scope left or right. If it does tighten the Azimuth friction lock. See the Azimuth Friction Locking Screw, below.
- **Azimuth Friction Locking Screw**, keeps the Azimuth Friction Knob from turning when you turn the scope left or right. You will need to tighten it, if the Azimuth Friction Knob starts to turn.
- **Accessory Mounting holes** are used for connecting our Piece Pod Eyepiece holders, any of our trays or other accessories.
- **Counter Weight Mounting Hole**, is for optional counter weight system.
- **Handle Mounting holes** are for optional handle. Left or right handed.

Attaching your scope to the Dyna Cradle

The cradle has one hole and four slots for mounting your scope. The kit also includes four Tee screws and four washers. Use them any way that will allow your scope to best balance on the cradle. You may want to use the washers between the scope and cradle to either raise it up or give it a better footing. The mounting holes in some scopes are rather shallow. Use the correct length screws to secure your scope and make sure you are not over-tightening them into the scope. The smoothest operation is obtained when your scope is in balance over the center hole. Tightening the Altitude friction knobs will compensate and hold your scope if it is out of balance. Some scopes use tube rings to attach the scope to the cradle. You can slide the scope in the tube rings to achieve the best balance. If you can not achieve a solid mount, please contact us for additional screws and washers to solve your problem.

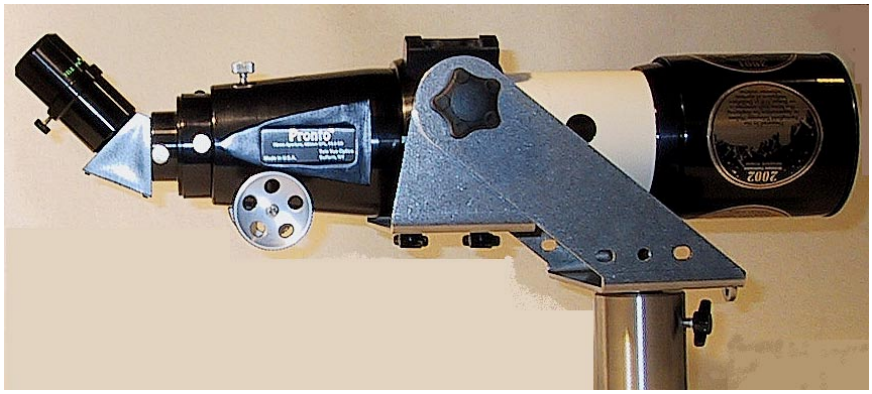


Friction Adjustment

There are four friction adjustments. Two knobs on either side control the altitude (up/down) friction. You can use one side more than the other, it does not matter. The Azimuth (right/left) friction is controlled by the knob in the center. There is also a special setting on the side of the riser. Its function is to keep the azimuth friction knob from turning with the drag from the rotation of the wing.

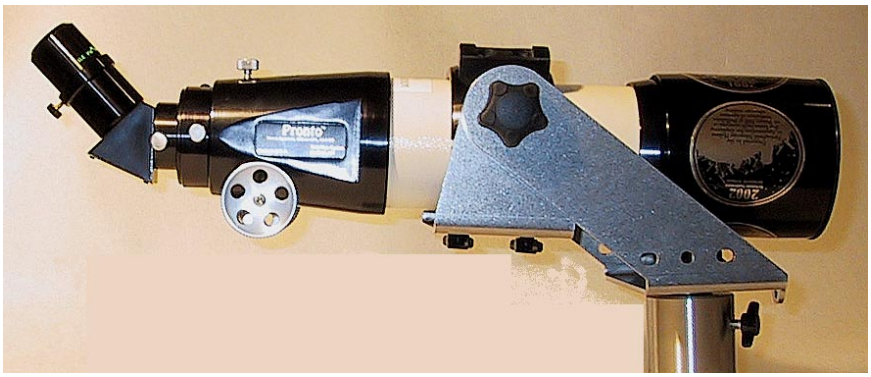
Balancing your scope

You should mount your scope and or adjust the tube rings, so that the center of gravity (balance point) is in line with the Altitude Friction Knobs, when the scope is in a level position. This will allow you to use the least amount of friction and have the smoothest operation. More friction can always be added as you change to larger eyepieces or add a camera.



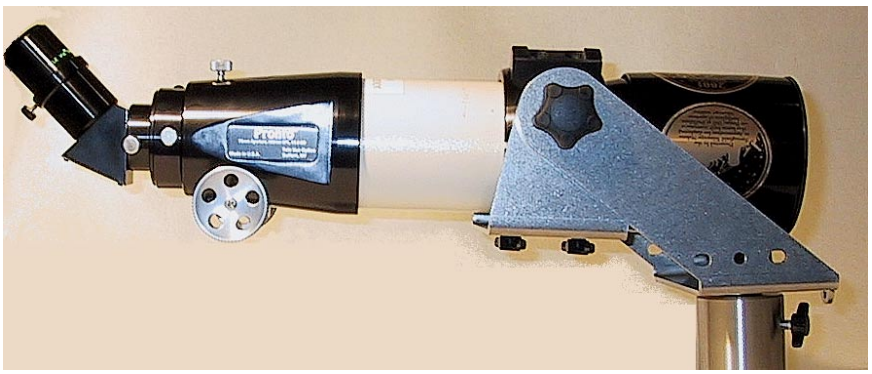
Too far forward

Scope tips down too easy



In balance

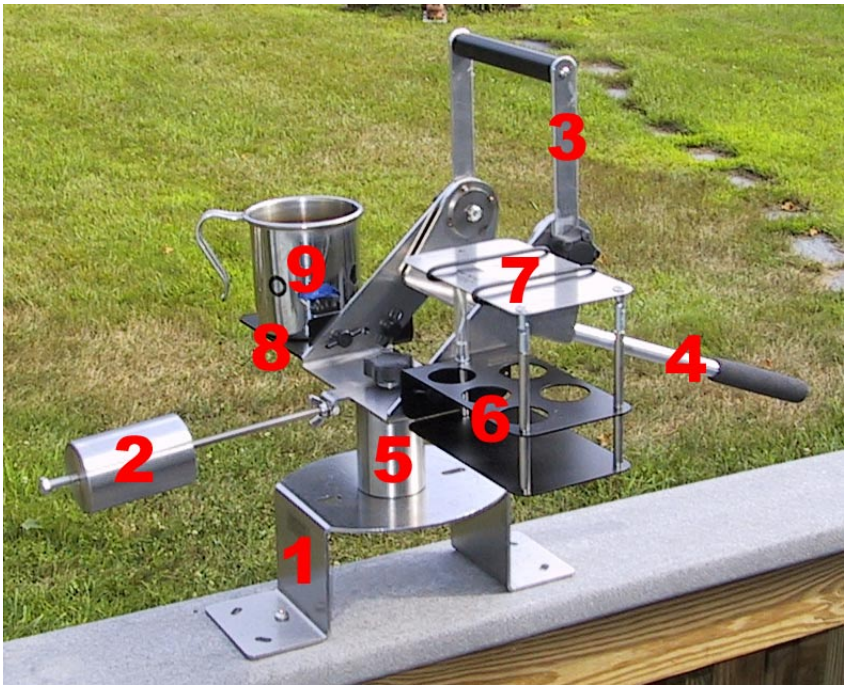
Scope moves up and down easily with no tendency to move



Too far back

Scope tips up too easy

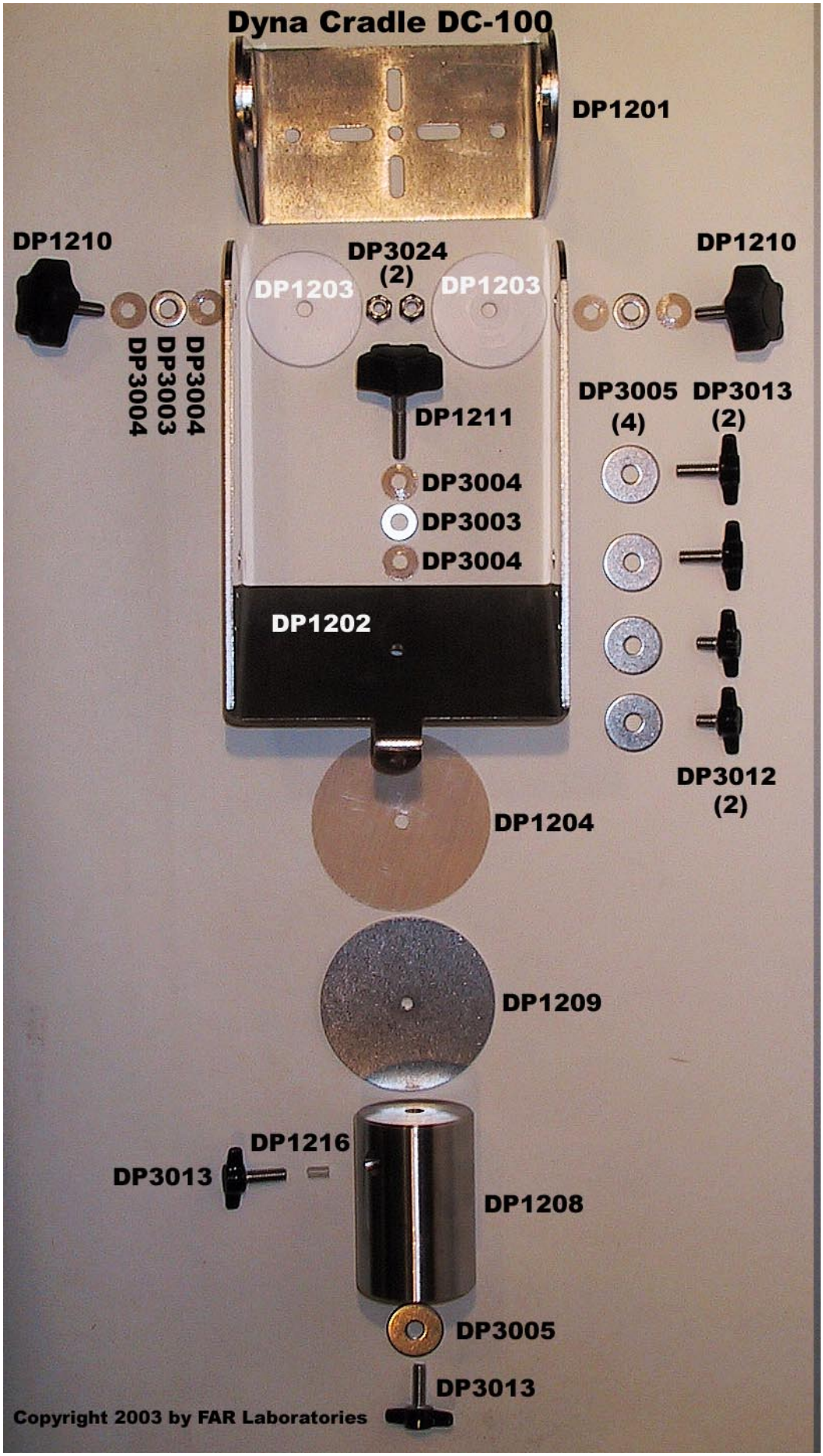
Accessories



1. **Dyna Rail**, a way to mount the Dyna Cradle to a Railing.
2. **Counter weight and arm** for tripod use.
3. **Carrying Handle**, Handy to pick up the whole thing and go.
4. **Pointing Handle**, a way to move it around with more leverage.
5. **Quick Mount Riser**, allows for faster removal
6. **Piece Pod Eyepiece Holder** keeps your eyepieces close.
7. **HTR** option for Piece Pod. Keeps dew off of your eyepieces.
8. **Dyna Tray or Tripod adapter**. Handy tray or shelf.
9. My **coffee cup.** Not an option, but this picture got so crowded I thought I would throw it in, and it is handy on cold nights.

Not shown but available

Post Pod, for mounting on a post
Dyna Pod, Ultra portable tripod
Binocular Mounting L bracket.
By flipping over the Cradle, you can mount binoculars on the Cradle


Dyna Cradle DC-100
DP1201
DP1210
DP1210
DP3024
(2)
DP1203
DP1203
DP3004
DP3003
DP3004
DP3004
DP3003
DP3004
DP1211
DP3005
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DP3013
(2)
DP3004
DP3003
DP3004
DP1202
DP3012
(2)
DP1204
DP1209
DP1216
DP3013
DP1208
DP3005
DP3013
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DP1200	Cradle DC100 Parts List	
Part No.	Description	Quantity
DP1201	Cradle	1
DP1202	Wing	1
DP1203	Cradle 2” bearing 2"x 1/8 Teflon	2
DP1204	Cradle 3” bearing 3"x1/16" Teflon	1
DP1208	Riser 3"	1
DP1209	Lower Bearing plate	1
DP1210	Altitude Bolt	2
DP1211	Azimuth Bolt	1
DP3024	Nylock Nuts Stainless	2
DP3005	Washer Stainless 1"	5
DP3003	Washer Stainless 5/8	3
DP3004	Washer 5/8 Teflon	6
DP1216	Nylon Friction Pin	1
DP3013	Tee knob 1/4-20 3/4" Stainless	4
DP3012	Tee Knob 1/4-20 3/8" Stainless	2

Specifications*

Mounting	**¼-20 Thread**
Height Overall	**8 1/8 inches, 210 mm.**
Height to base of cradle	**4 ¾ inches, 120 mm.**
Width Overall	**7 inches, 178 mm.**
Width inside of cradle	**4 inches, 104 mm.**
Rotation, both axis	**360 degrees, limited by shape of scope**
Weight	**5 pounds 9 oz., 2.55 Kg.**
Operating temperature range	**-40 to 212 F or 100 C**
Chemical resistance	**Excellent (limit is the Nylon parts)**
Materials	**Stainless steel, Teflon, Nylon, TPE, Acrylic finish**

***Specifications subject to change. We are always trying to improve our products.**

Please contact us if you need parts, have any questions, tips or problems.
You can also send us a picture of your installation and we will add it to our picture gallery

Visit www.Dynapod.com for more information.
You can also find information about new products and other handy application notes.

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