Secondary Support

16" Portable Telescope "Merope"

**General Arrangements**

**Description**

- **Diameters:**
  - Outside ring: 560
  - Inside ring: 450
  - Outer drill holes: 530

**Machine Head Mounting Block**

- **Plastic or timber block**

**Spider Plate**

- **5mm aluminium plate**

**Support Block**

- **2" Delrin block**
- **(or timber alternative)**

**Mirror Plate**

- **Birch plywood and phenolic composite**
- **(or timber alternative)**

**Secondary Mirror**

- Silicon glue to mirror plate

**Machine Head**

- **2 x 4mm tapped to M5**

- **30 mm holes tapped for M5 head**

- **Drill to suit machine head (9.5mm at center)**

- **Screws tapped and glued to ensure head never loose behind mirror**

- **Also drill ~12mm recess for locknut**

**Recommended use lockable machine heads to simplify setup**

**Delrin Support Block**

- **5mm aluminium plate**

- **33 mm holes tapped for M6 thread**

- **Also drill ~12mm recess for locknut**

**Secondary Offset**

- **5mm as optimised for 16" f4.5 light cone**