Weight of fabricated secondary ring and center hub assembly for 90" prime focus project.

Big Ring with 1 set of thick balicaning weights (notes 1,2 &3)……**1300 LBS.**

Center Hub (notes 1 & 2).…….…… **300 LBS.**

---------- Total

1600 LBS +or- 100 LBS

Calculated weight of assemblies for 90" prime focus project.

Big Ring with no weights (note 4)……...…….……1195 LBS.

Center Hub (note 4)……350 LBS.

Center Lens Can (note 4)…….……..500 LBS.

Top Box (note 5)…….…..……500 LBS.

Balance weights (24 @ 28.12 LBS, 12 @ 14.06 LBS, 12 @ 4.69 LBS)……. 900 LBS.

Target weight of secondary (existing secondary weight).

Existing f/45 (per Bill Wood Mountain Operations 12/13/2000) (note 9)….……3450 LBS.

Existing f/9 secondary assembly (note 6)……..……...3500 LBS.

.

Existing f/45 secondary assembly (note 6)……...……3500 LBS.

New prime focus secondary assembly……..**3500 LBS.**

Break down of new secondary assembly.

Big Ring with 1 Set of marked weights (notes 1,2 &3) ……**1300 LBS.**

Center Hub (notes 1 & 2)……**300 LBS.**

Center Lens Can (note 4)...…….500 LBS.

Top Box (note 5)...…….500 LBS.

Equipment Cables, motors, hardware & etc.…….…….……200 LBS.

_____

2800 LBS (note 8)

NOTES:

1. Weight measurement taken with no paint finish and one set of balancing weights.
2. This set of balancing weights will be marked and mounted on secondary ring for shipping.
3. Weighted at instrument shop 12/2000 with a tolerance of plus or minus 100 Lbs.
4. Calculated weight
5. Not calculated or designed.
6. These are per my notes and should be confirmed.
7. A shot in the Dark ?
8. New balancing weights have not been included in total.
9. Plus or minus 100 LBS.

12/8/2000 REV 12/13/2000 D.H.D.