New Compton Goniometer Design Drawings

1. Compton Goniometer Assembly and Layout #01.FC7
2. Compton Goniometer Detail Base Plate #01.FC7
3. Compton Goniometer Detail Center Axel #01.FC7
4. Compton Goniometer Detail Rotary Scale #01.FC7
5. Compton Goniometer Detail Radial Arm #01.FC7
6. Compton Goniometer Detail Detector & Shield Trolley #01.FC7
7. Compton Goniometer Detail Detector Shield Support #01.FC7
8. Compton Goniometer Detail Detector Shield Support Plate #01.FC7
9. Compton Goniometer Detail Detector Holder Support #01.FC7
Compton Goniometer Assembly and Layout #01.FC7

30.000
36.000

20.32 cm diameter x 20.32 cm long = 6.586 liters = 72.5 kg = 160 lbs.
Drill Thru 4 Holes
No. 7 Drill, 0.201" Dia
Tap 1/4-20 NC
Drill Thru Center 1 Hole
No. 7 Drill, 0.201" Dia
Tap 1/4-20 NC Thread

Drill Thru 4 Holes
0.250" Dia
Counterbore
0.375" Dia 0.250" Deep

Compton Goniometer Detail Center Axel #01
Drill Thru 3 Holes 0.250" Dia.
Counterbore 0.375" Dia
0.250" Deep
Drill Thru 7 Holes
No. 7 Drill, 0.201" Dia.
Tap 1/4-20 NC

Drill Thru 1 Hole
29/64" Drill, 0.453" Dia.
Tap 1/2-20 NF
Drill Thru 4 Holes
0.250" Dia.
Counterbore Top Side
0.375" Dia. 0.250" Deep

Drill Thru 4 Holes
No. 11 Drill, 0.191" Dia
Counterbore Bottom Side
0.3125" Dia., 0.200" Deep

Drill 4 Holes
No. 21 Drill, 0.159" Dia.
1.25" Deep
Counterbore Thru to Slot
0.3125" Dia.
Tap 10-32 N.F.

Mill Slots for Bearing
0.250" Wide, 0.500" Deep

Compton Goniometer Detail Detector & Shield Trolley #01.FC7
Compton Goniometer Detail Detector Shield Support #01.FC7
Drill Thru 2 Holes
No. 11 Drill, 0.191" Dia.
Counterbore
0.3181" Dia., 0.200" Deep

Drill Thru 2 Holes
0.250" Dia
Countersink to Size

Compton Goniometer Detail Detector Shield Support Plate #01.FC7