

### List of Loads for clean room operation [all in kg]

	Tower B-1	Tower B-2
Recoil mass e mirror	23,96	69,81
Intermediate mass	29,29	61,71
Bottom filter	102,58	idem
Filter standard	118,58	idem

#### Nominal load of Filters

6 Filters B1	$24+29.5+103 = 156.5$
1 Filter B2	$69+62+103 = 234$
4 Filters 3	300
4 Filters 2	$300 + 118 = 418$
4 Filters 1	$300 + 118 + 103 = 536$

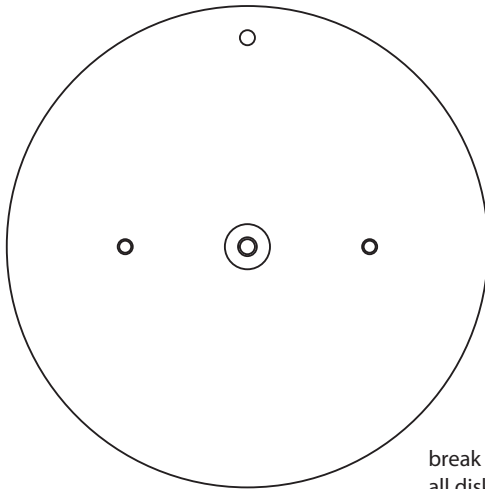
#### Filters to be produced next year

6 Filters top B1	$24+29.5+103 +118 = 274.5$
1 Filter top B2	$69+62+103 + 118 = 352$
4 Filters top	$300 + 118 + 118+118 = 654$

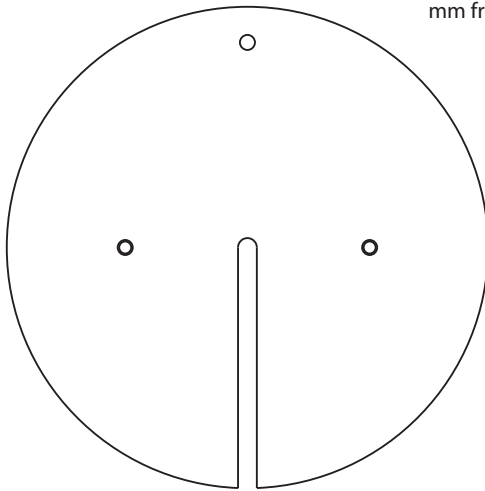
6 Filters bottom B1	$24+29.5 = 53.5$
1 Filter bottom B2	$69+62= 131$
4 Filters bottom	$24+29.5 = 53.5$ minimum

the loads for the clean room will be made of nickel plated steel disks as detailed in sketch attached.

A storage rack is also needed.



1 base disk  
diameter 640  
material: steel nickel plated  
thickness 50  
central hole m12  
30 mm counterbore 15 mm deep  
2 m10 holes on 320 diameter  
weight approximately 125 kg

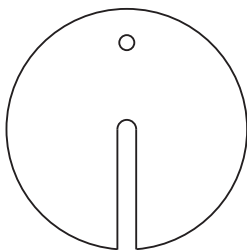


1 base disk  
diameter 640  
material: steel nickel plated  
thickness 50  
central hole m12  
30 mm counterbore 10 mm deep  
2 m10 holes on 320 diameter  
weight approximately 50 kg

break all edged with 1 mm bevel  
all disks to be provided with 8 to 10 mm diameter hole 30-40 mm from edge, to suspend the disk in the nickel plating bath

22 slotted disks  
diameter 640  
material: steel nickel plated  
thickness 10  
central hole plus slot 13 mm  
2 m10 holes on 320 diameter  
weight approximately 25 kg

2 slotted disks  
diameter 640  
thickness 5  
weight approximately 12.5 kg



4 slotted disks  
diameter 320  
material: steel nickel plated  
thickness 10  
central hole plus slot 13 mm  
weight approximately 6 kg

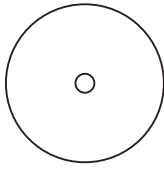
4 slotted disks  
diameter 320  
thickness 5  
weight approximately 3 kg



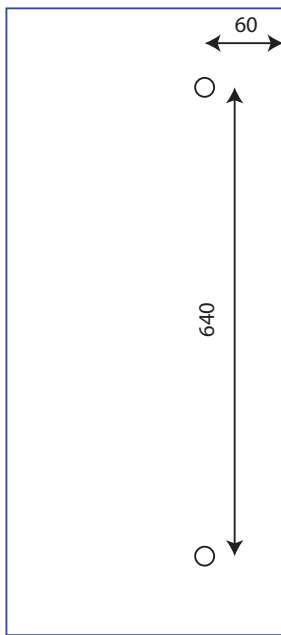
4 slotted disks  
diameter 160  
material: steel nickel plated  
thickness 10  
central hole plus slot 13 mm  
weight approximately 1.5 kg

4 slotted disks  
diameter 160  
thickness 5  
weight approximately 0.75 kg

similar disks diameter 80 mm  
4 thickness 10 and  
4 thickness 5 mm



24 disks aluminum 100 mm diameter  
25 mm thick, 12.5 mm diameter hole



13 plates 740 length, 350 height  
12 mm thick nickel plated  
two 12.5 mm diameter holes

