

JYFL2013 Matrix-2 for BELEN-48

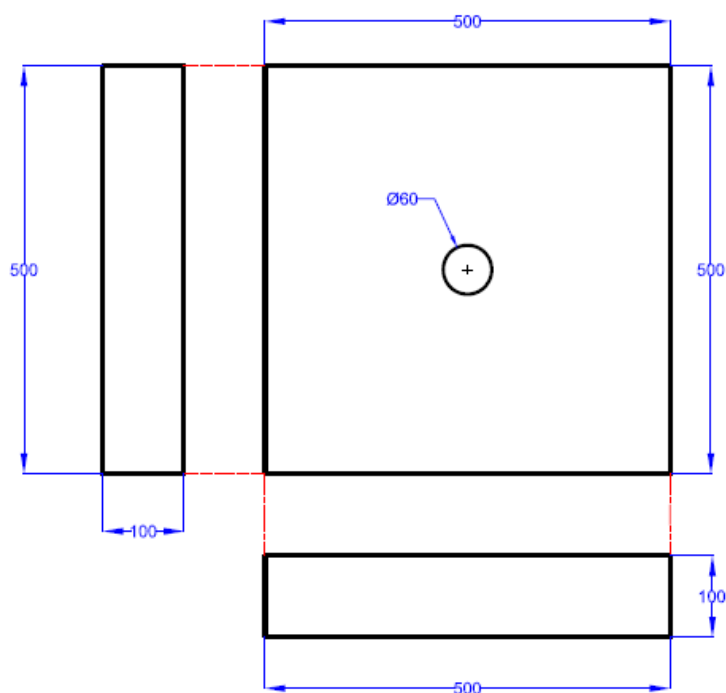
Units in mm	Central hole	Rings		
		Inner	Central	Outer
Diameter	60	120	230	340
Holes diameter	--	27.5	27.5	27.5
Number of ^3He counters at 10 atm	--	0	8	0
Number of ^3He counters at 8 atm	--	6	10	24

Material: High Density Polyethylene (HD-PE)

Scale= 1:10

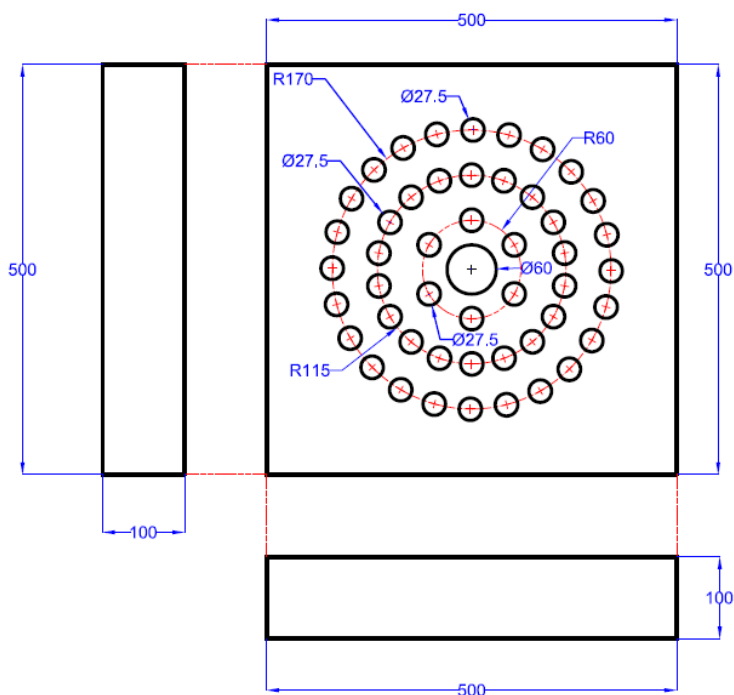
Block A-2

Position : Front
Number of blocks : 1



Block B-2

Position : Inside
Number of blocks : 6



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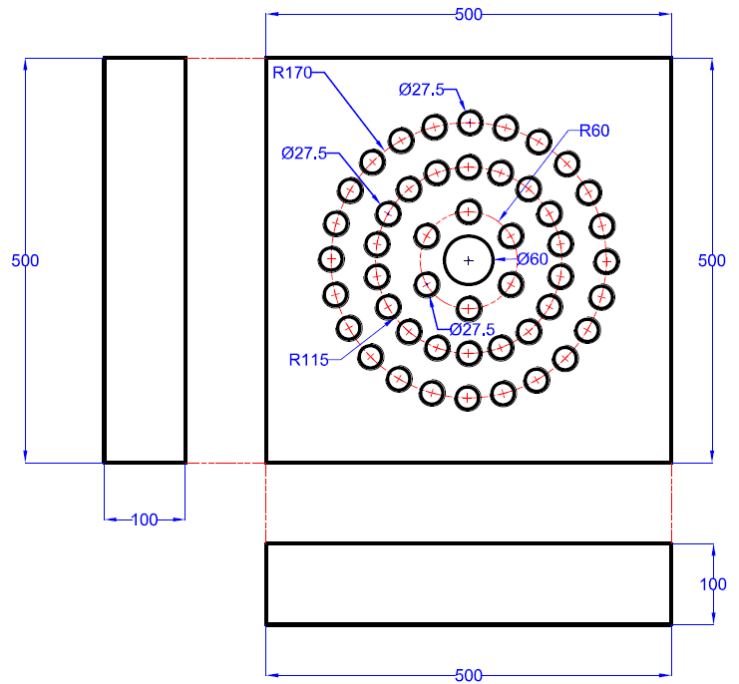
Scale= 1:10

Block C-2

Position : Rear

Number : 1

The counter holes (27.5 mm) are threaded to screw caps. The caps are used to fix the counters inside the holes.

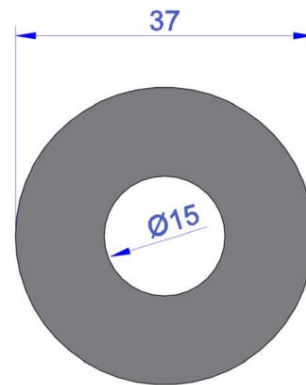


Scale= 1:1

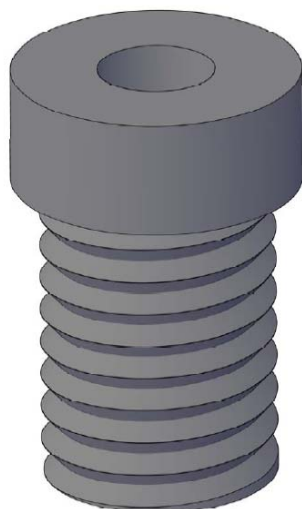
Caps

Position : Counter holes of block C

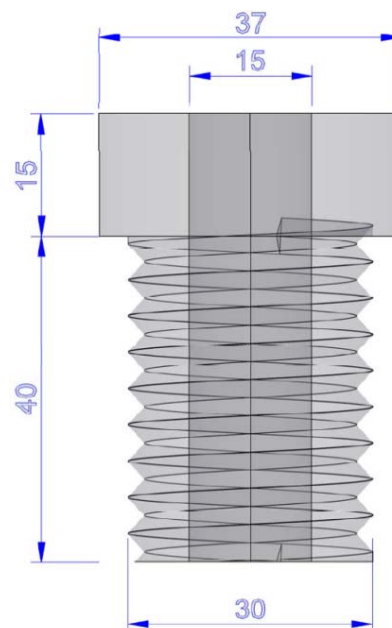
Number : 48



Top view



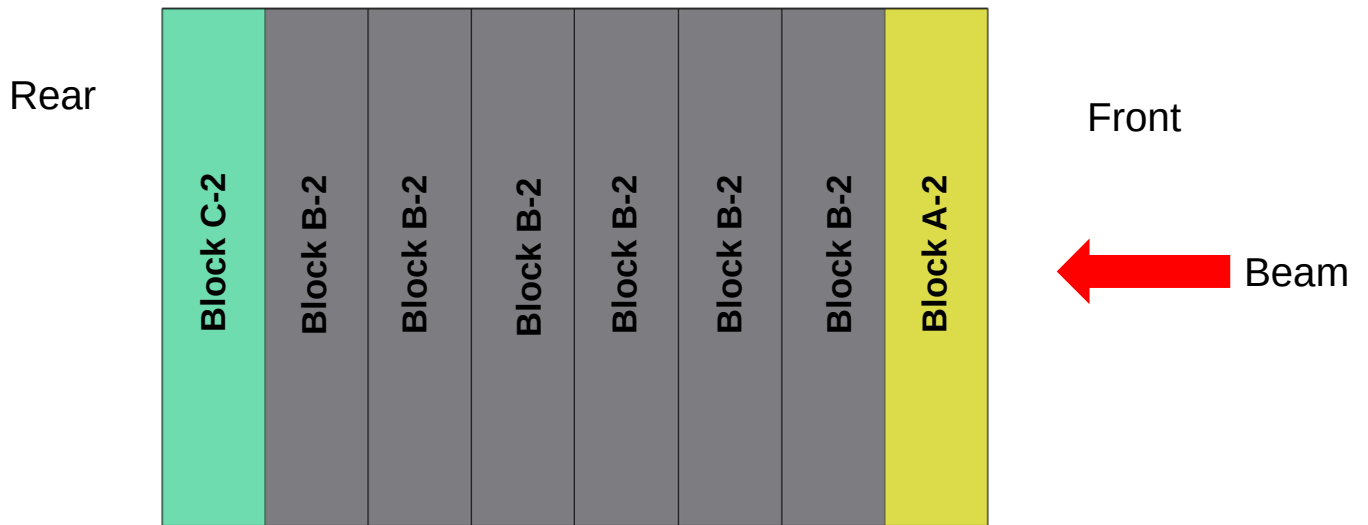
3D view



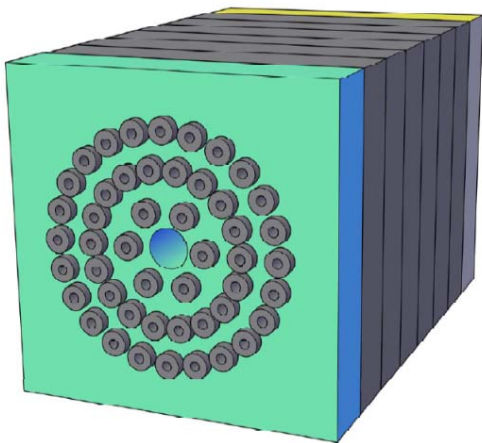
Side view

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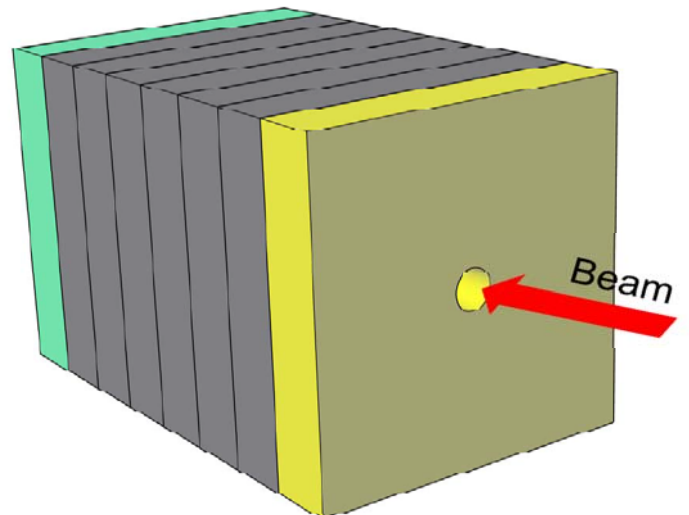
Side view



Rear view



Front view



Neutron detection efficiency for Matrix-2

