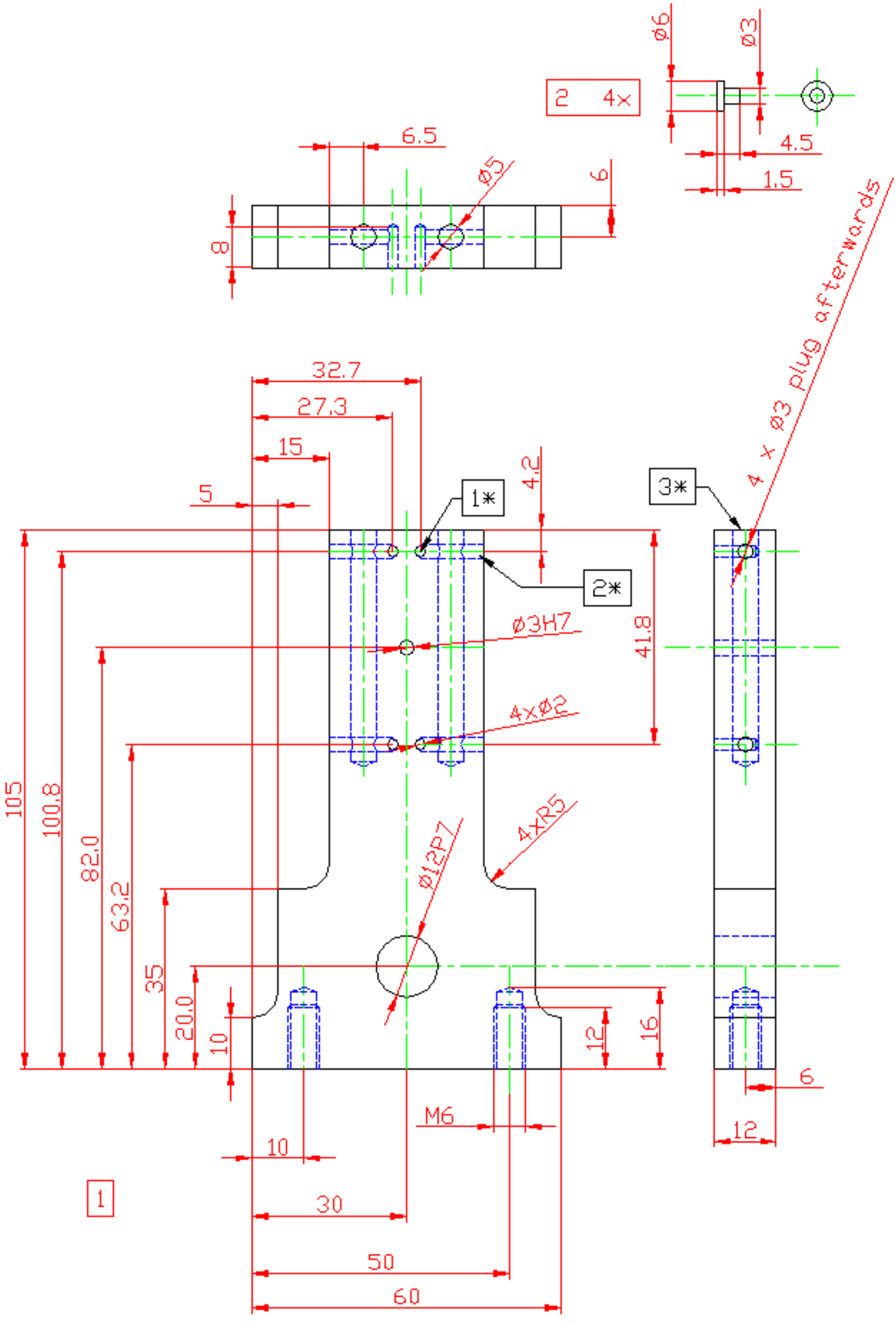
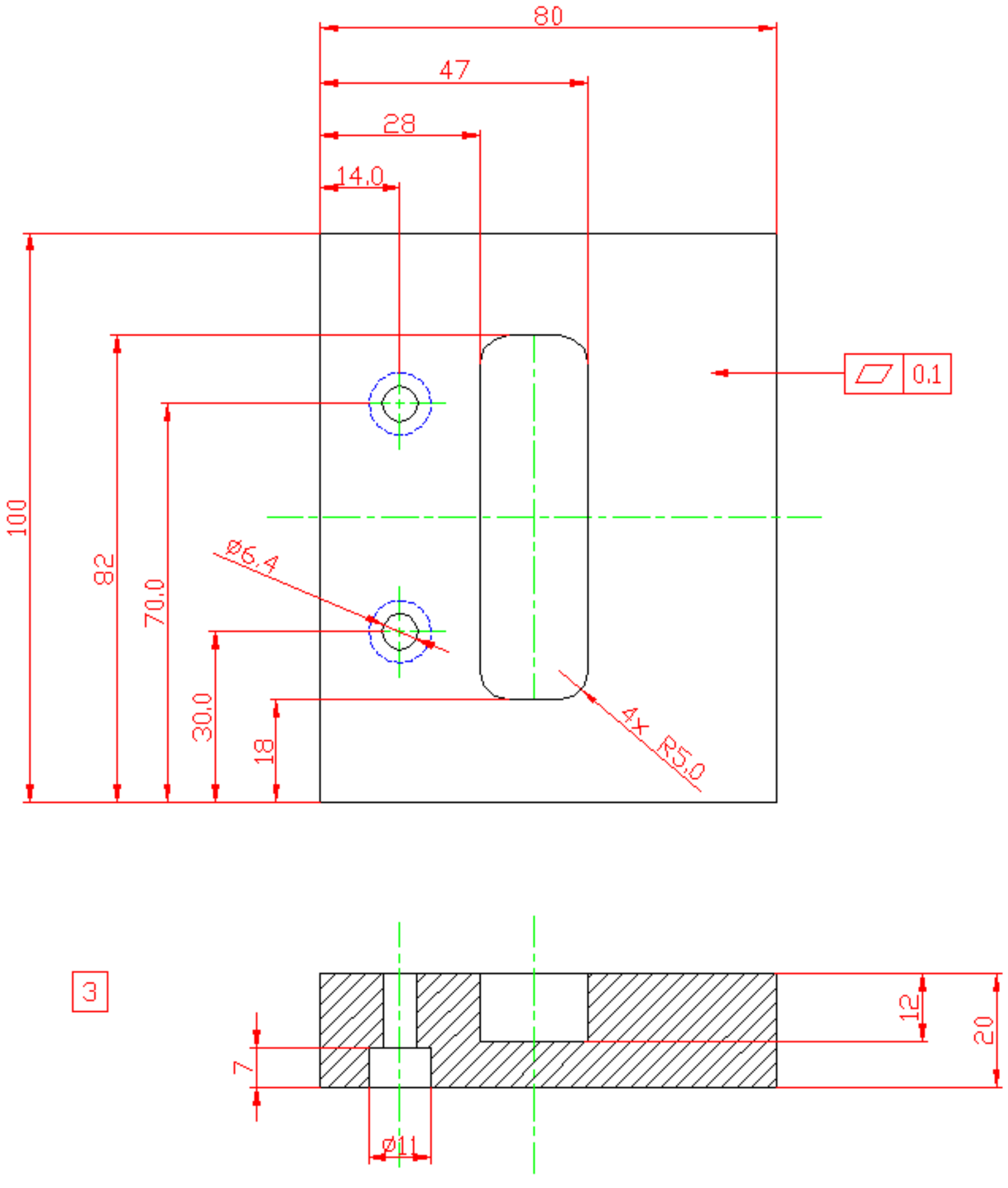
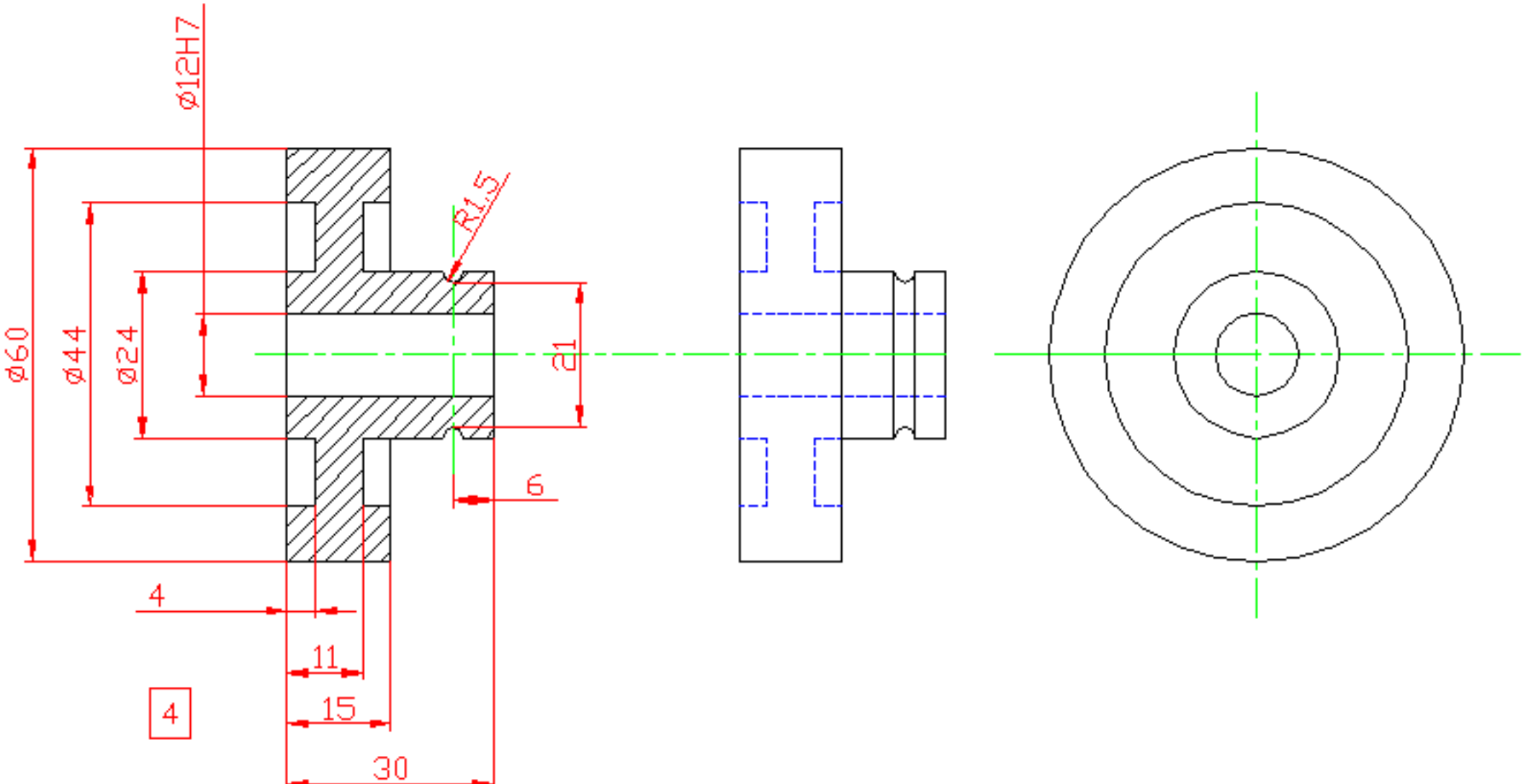
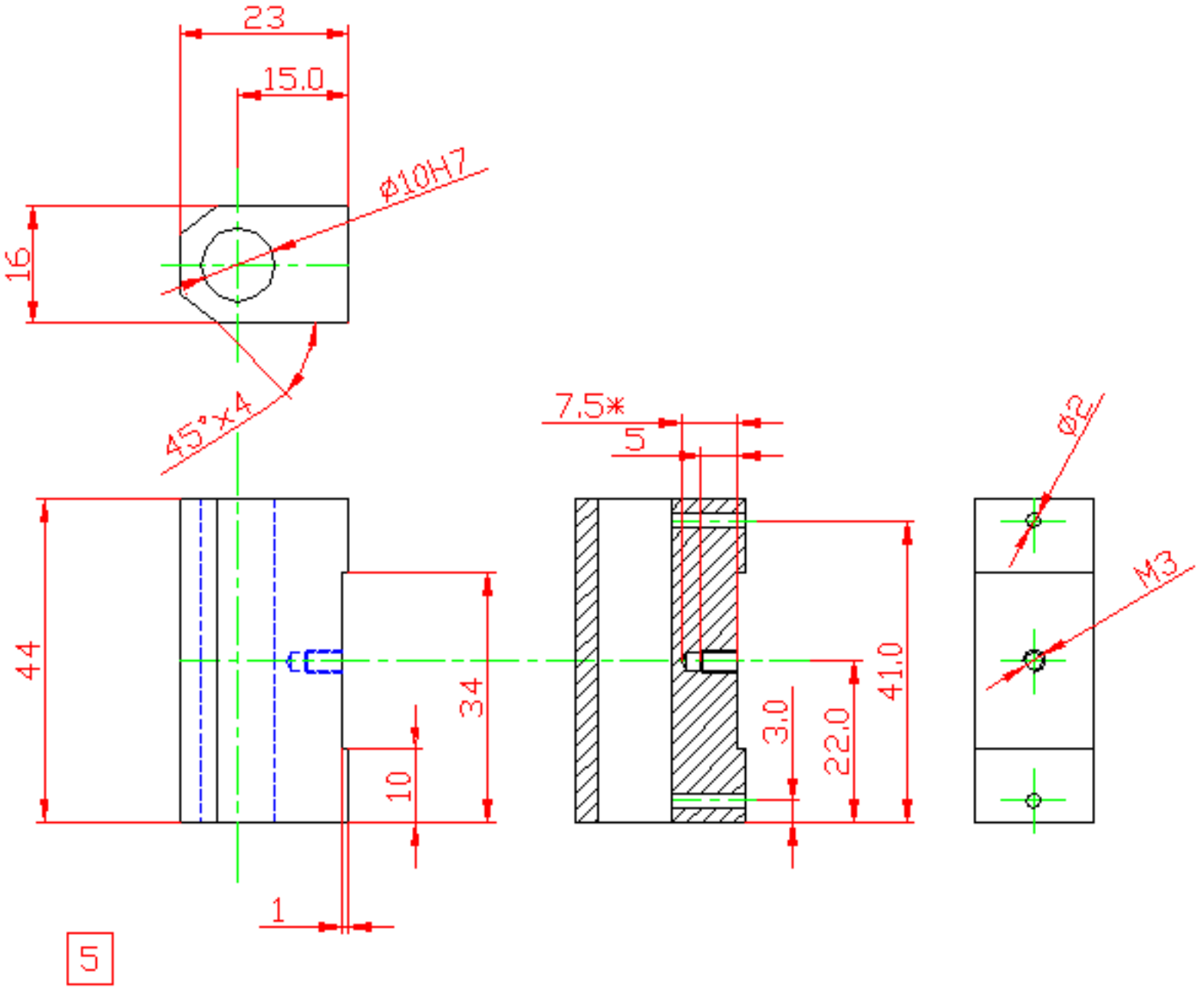
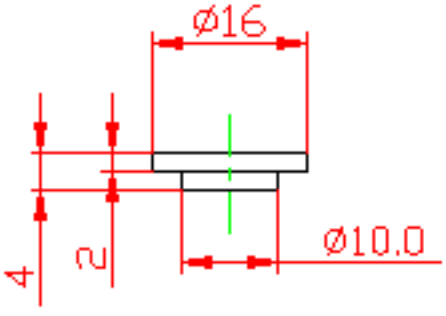



* Drill first ø2 (4x), then ø3 (4x), finally ø5 (2x)

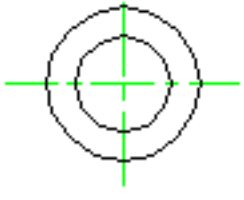

80
47
28
14,0
100
82
70,0
30,0
18
ø6,4
4x R5,0
0.1
3
12
20
7
ø11

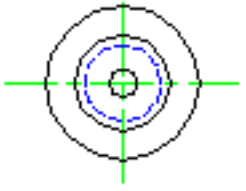

ø12H7
R15
ø60
ø44
ø24
d1
6
4
11
15
30
4

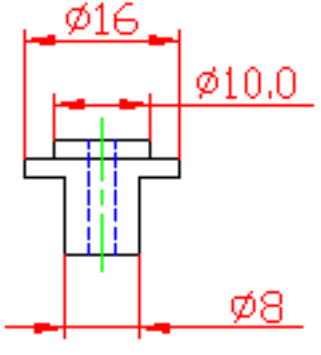

23
15.0
ø10H7
16
45°x4
44
34
10
1
7.5*
5
3.0
22.0
41.0
Ø2
M3
5



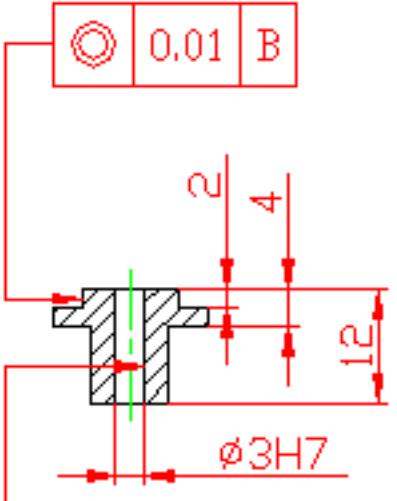

6

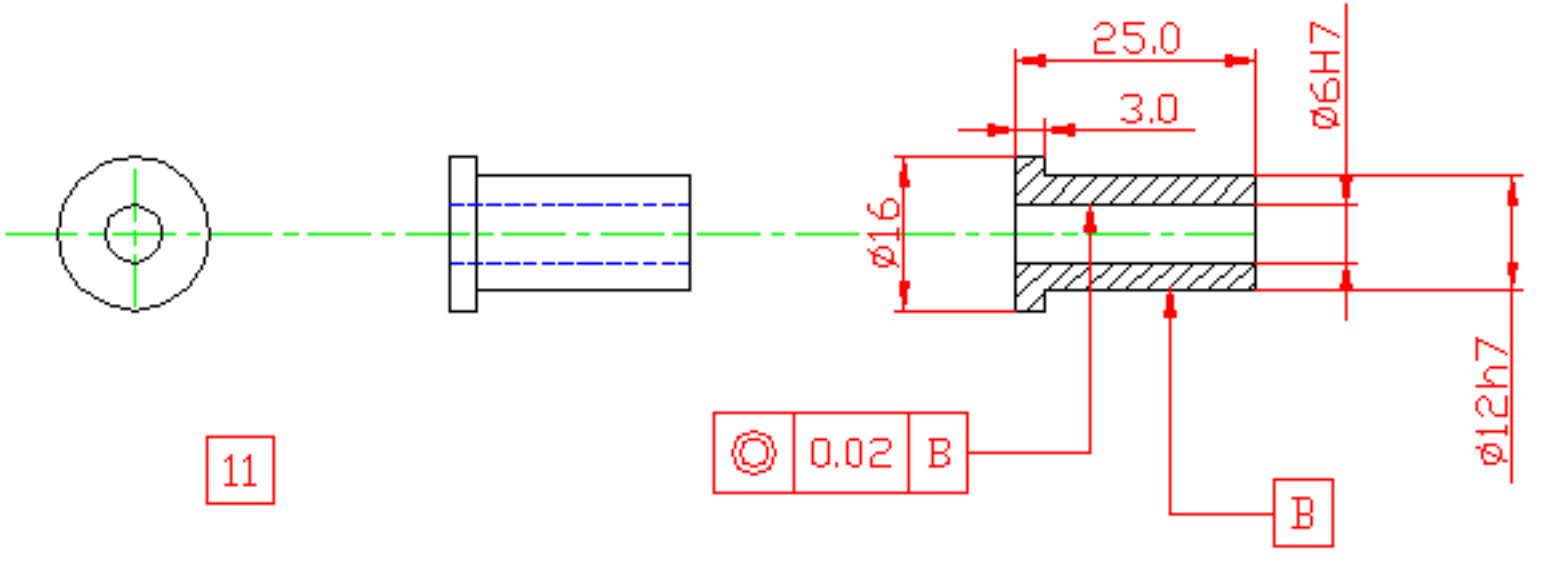


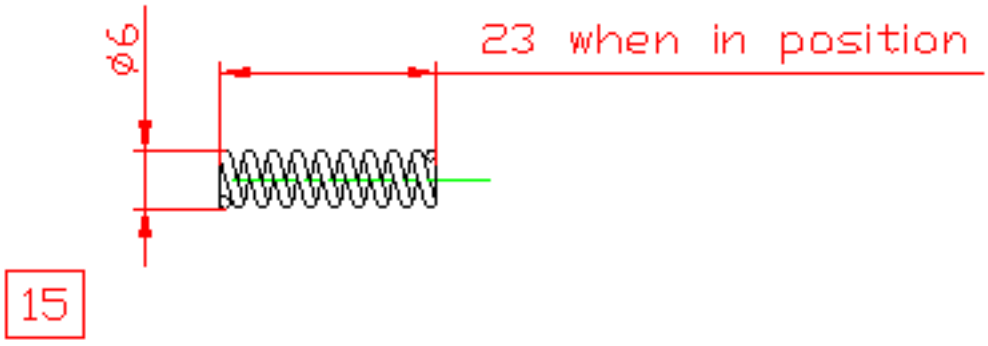




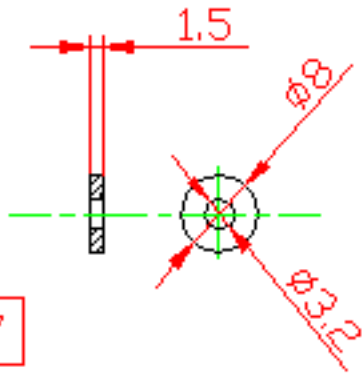

7



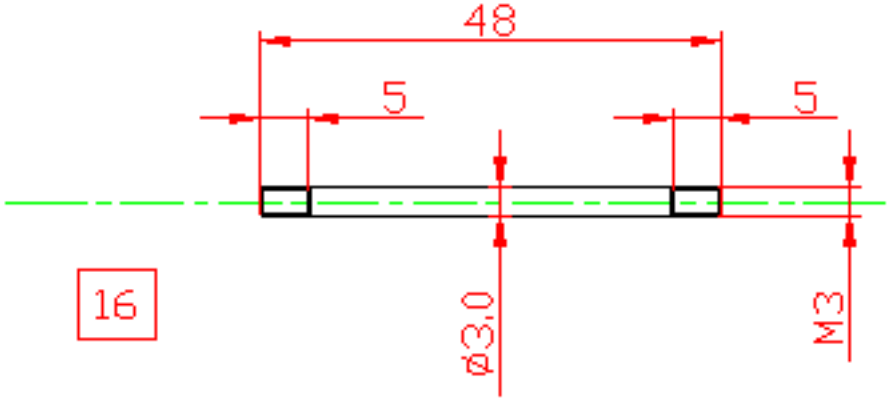

25.0
3.0
Ø6H7
Ø16
Ø12h7
0.02
B
B
11


ø6
23 when in position

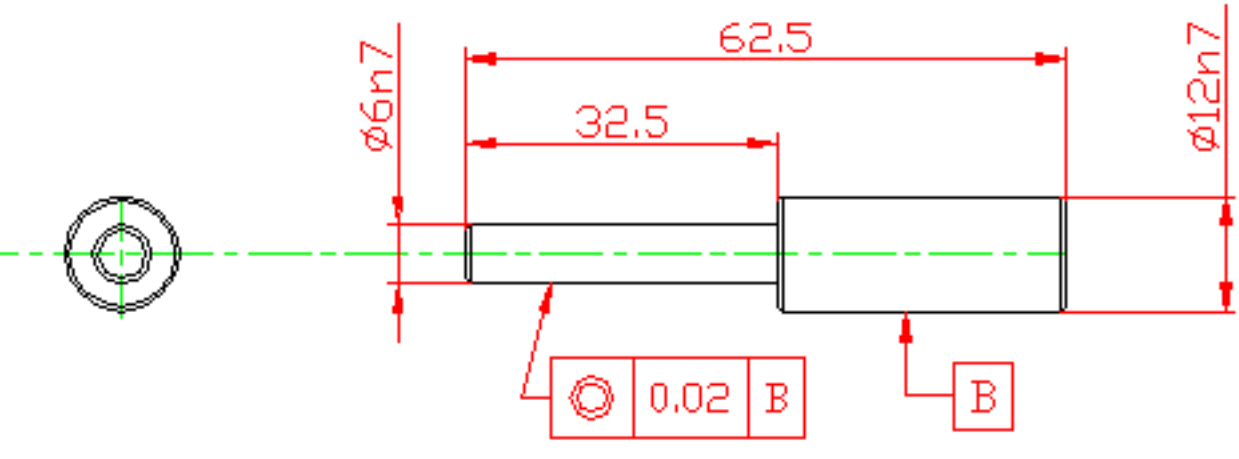
15


1.5
ø8
ø3.2

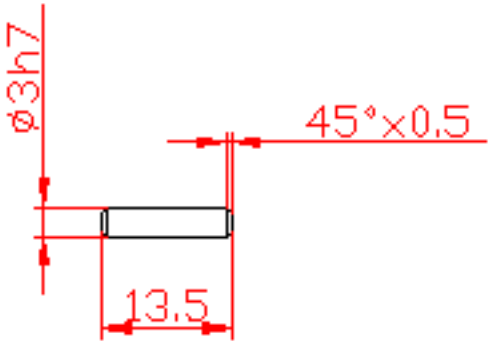
17


48
5
5
ø3.0
M3

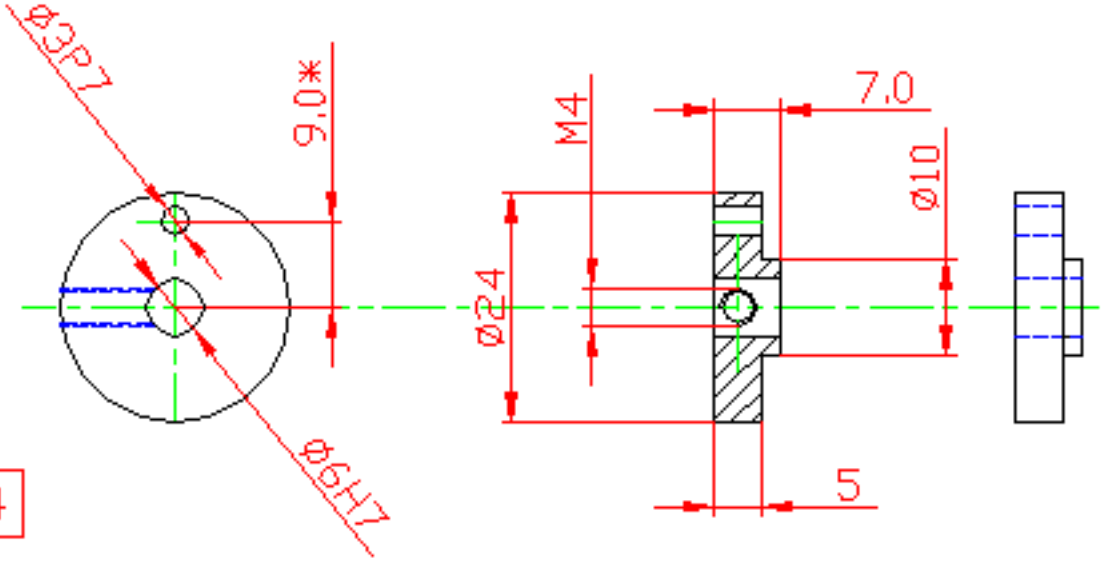
16


62.5
32.5
ø6n7
ø12n7
0.02
B
B

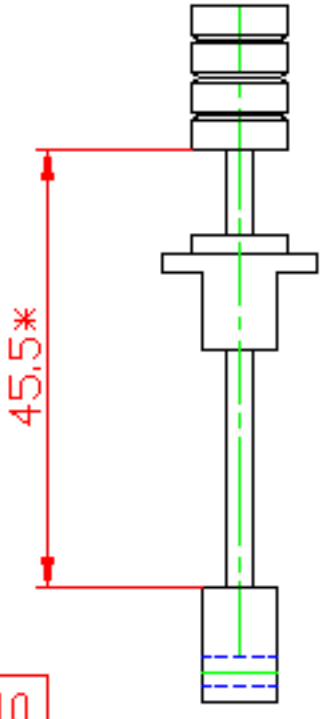
12




13



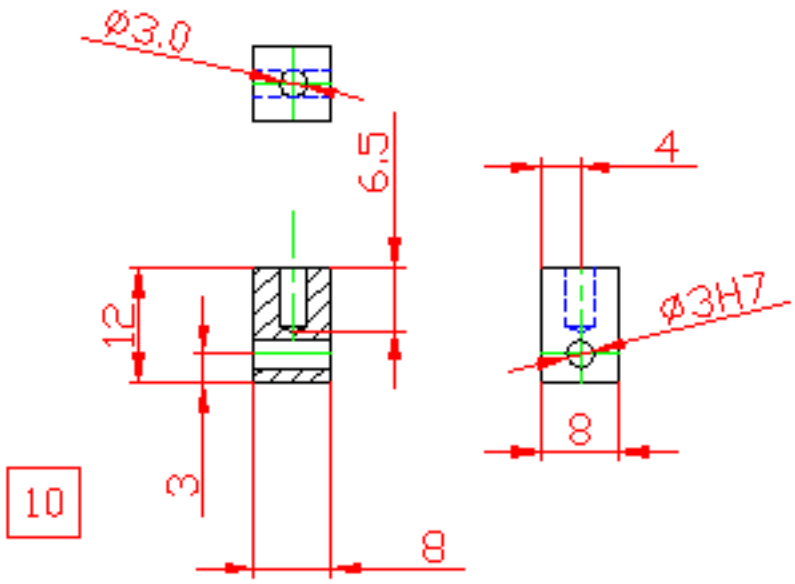

14

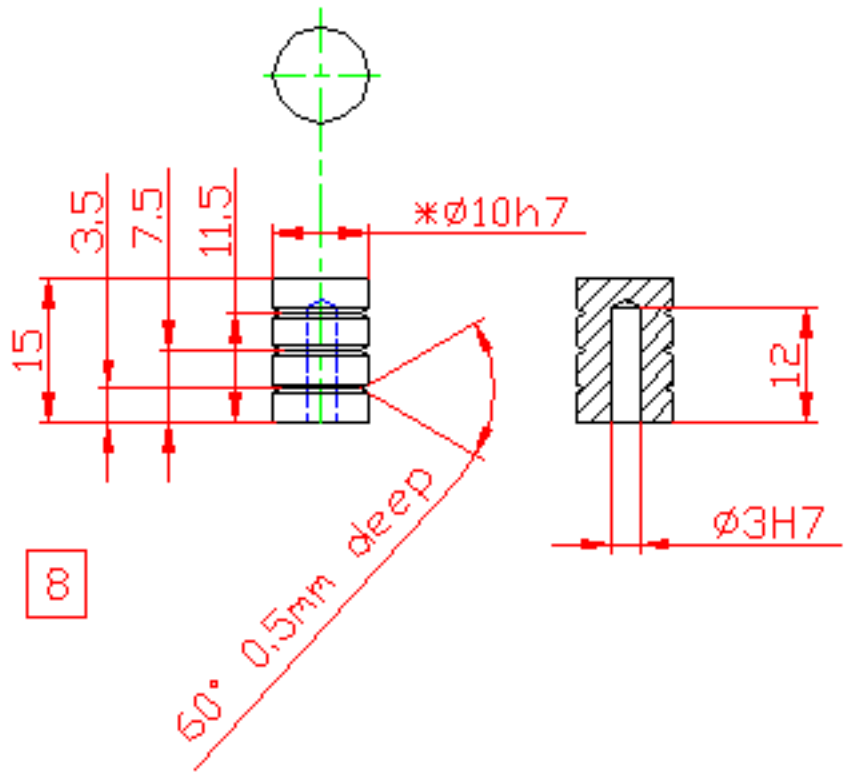


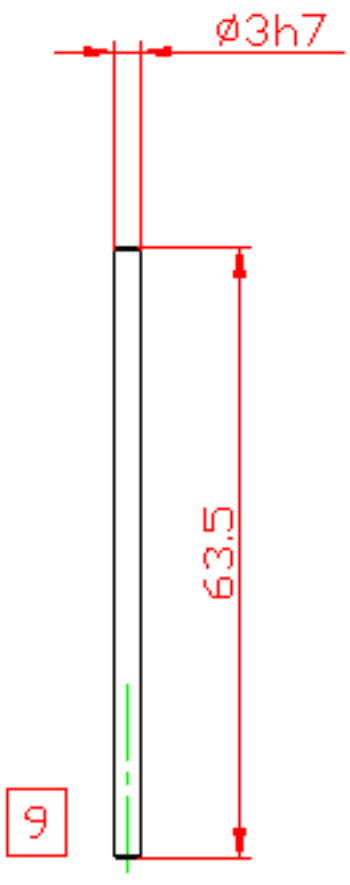

7 & 8 & 9 & 10

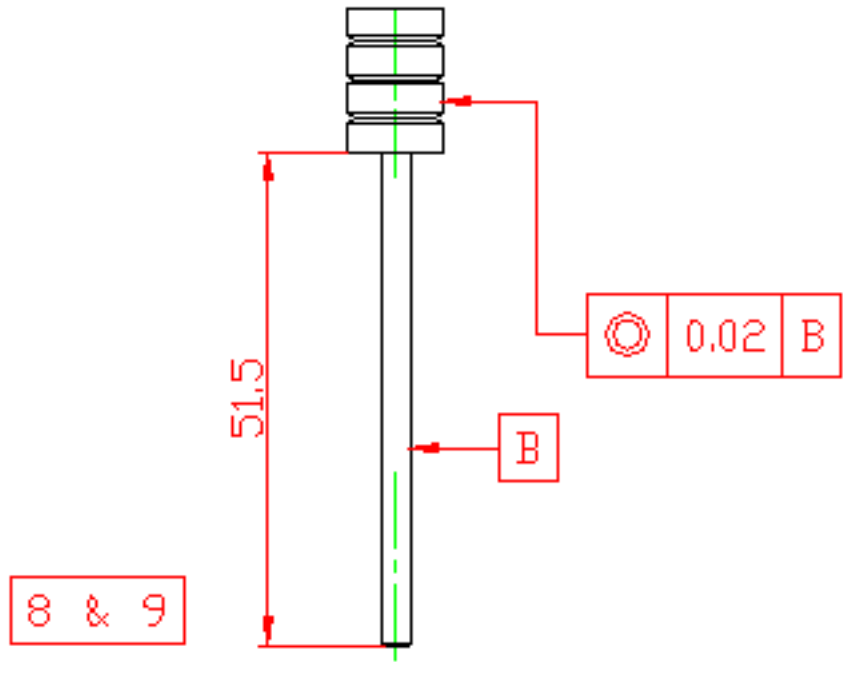
* 45.5 Use Loctite 648,

(don't forget rear cylinder cover to put on first!)
(use Loctite also to secure cylinder covers on cylinder)

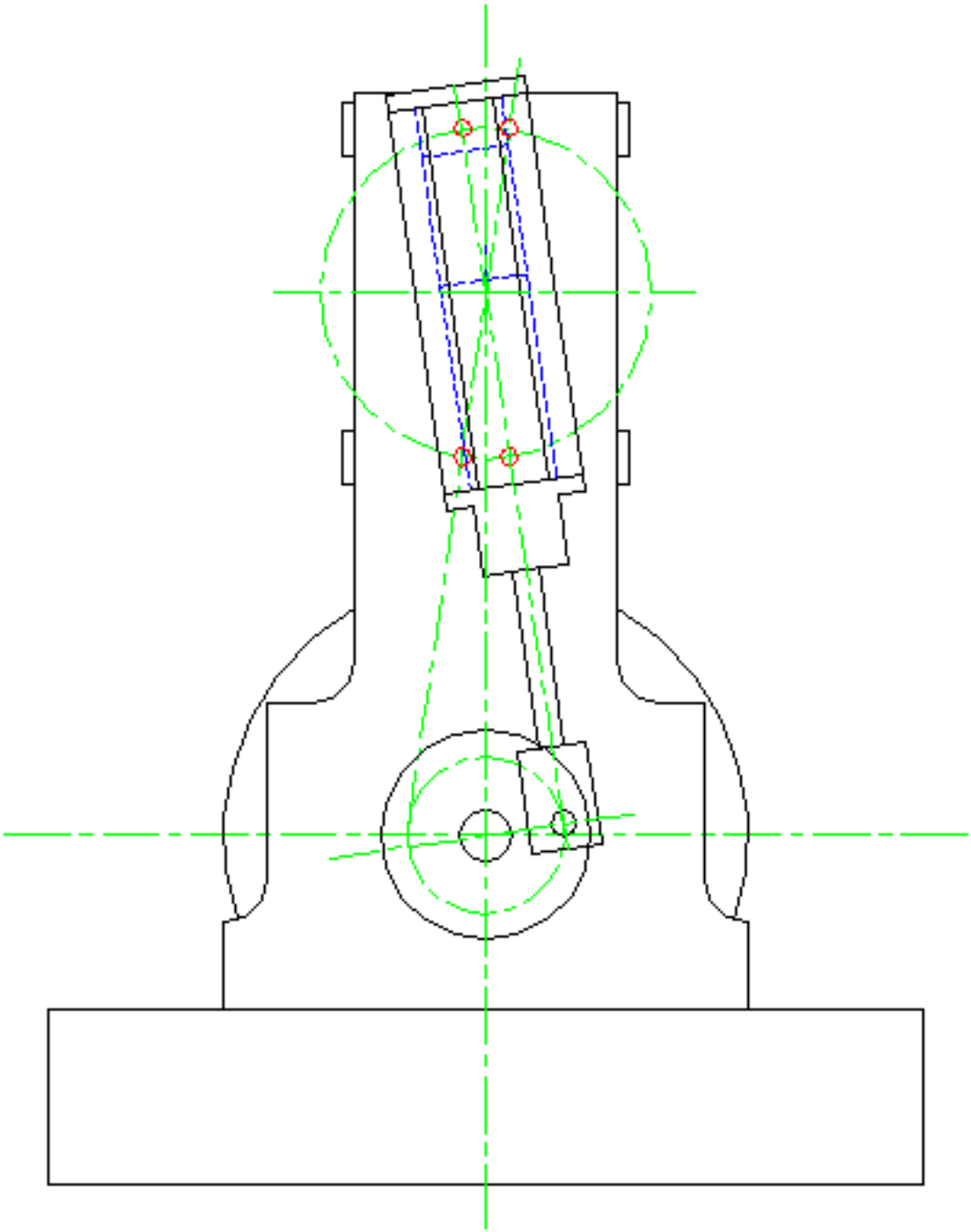


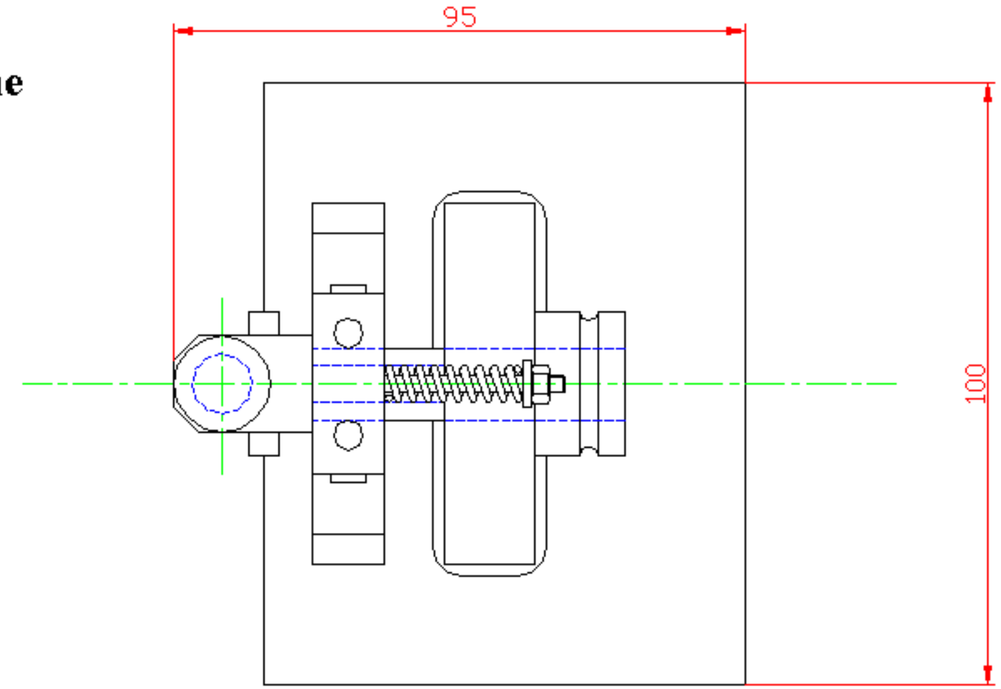



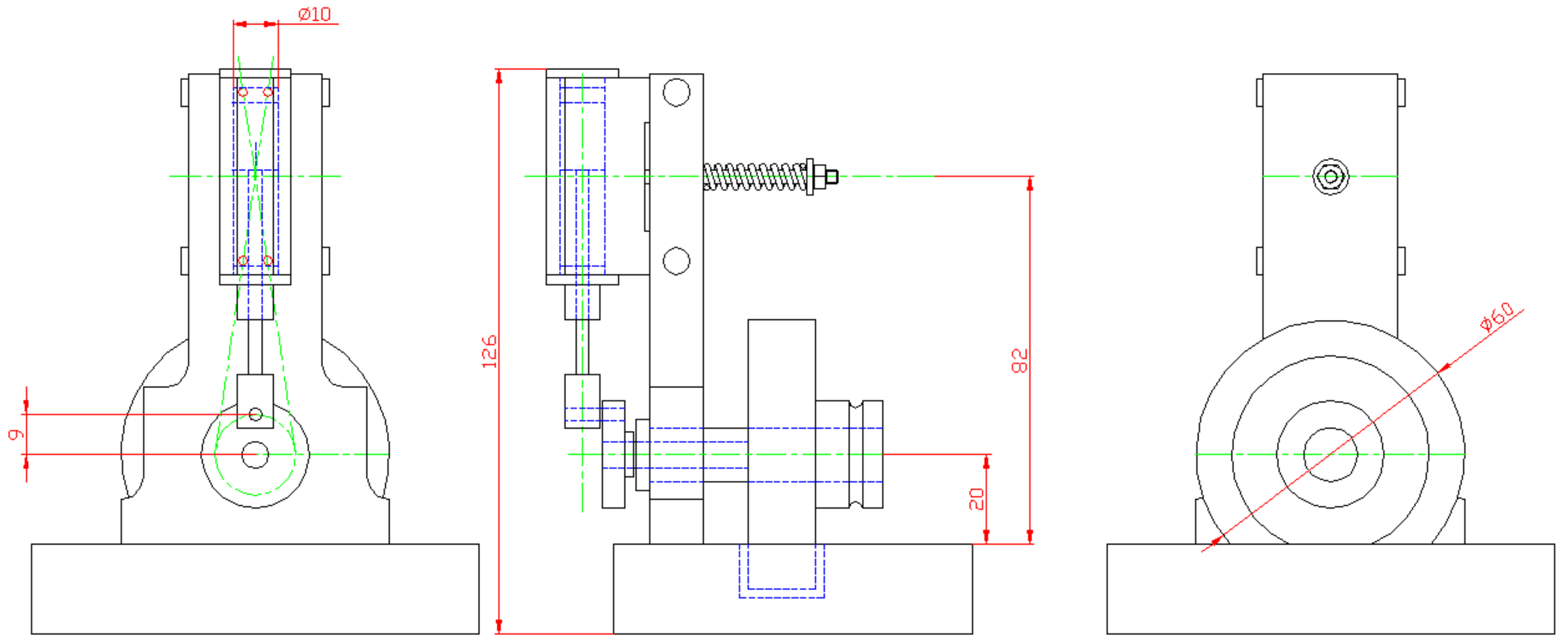

* Turn piston to Ø10h7 after gluing on piston rod. Hold piston rod in collet or split bush while turning to Ø10

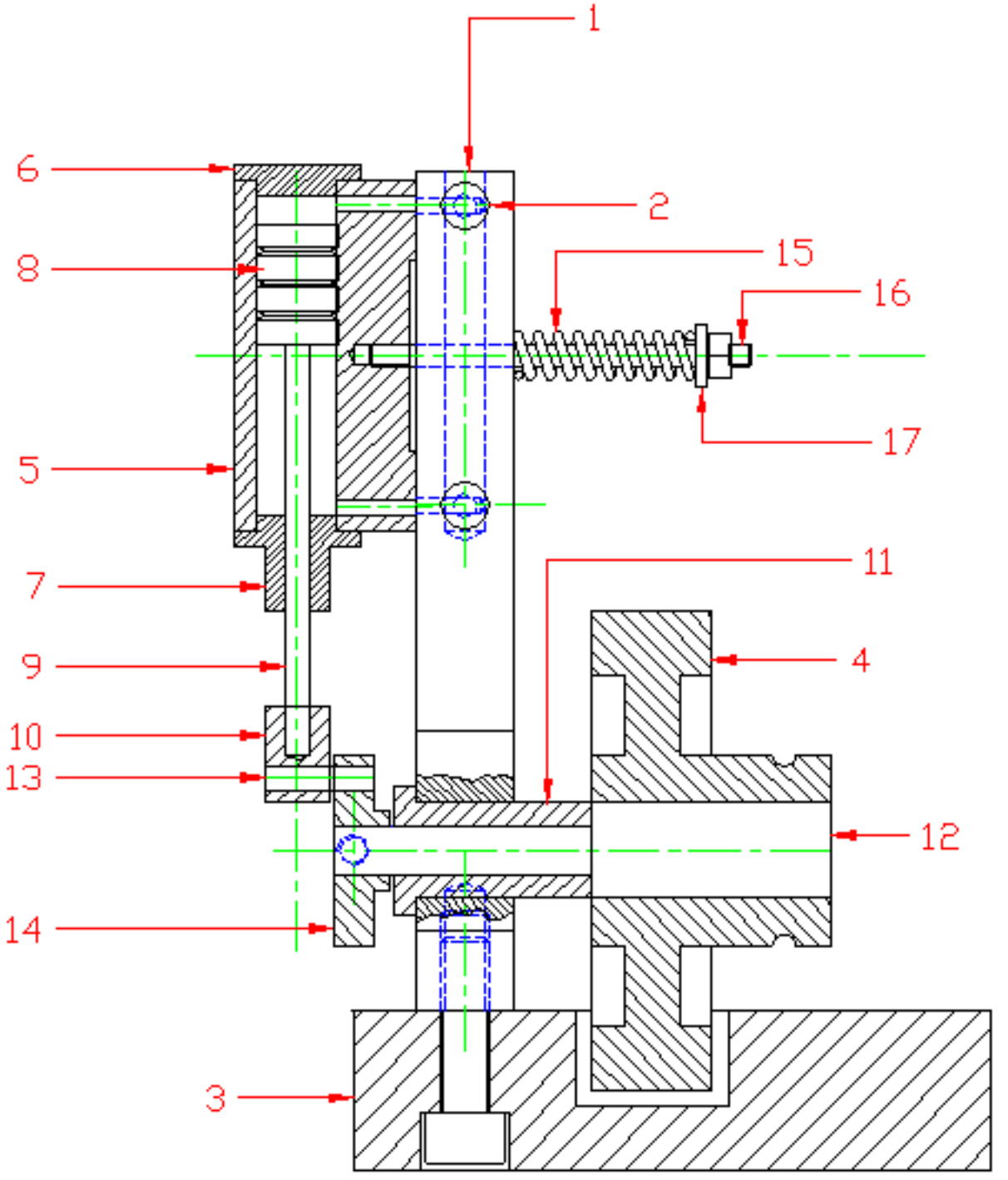


# Simple Oscillating steam engine

Design: Erik-Jan Stroetinga
Eindhoven
The Netherlands (Europe)
September 1998
e-mail E.J.Stroetinga@fontys.nl






# GENERAL ARRANGEMENT