Breaking down the individual elements in the EG2p target design

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In this document, I show the breakdown of the individual ements of EG2p target. All the stl files for the elements can be found under this repository https://github.com/Hattawy/EG2p_target_cell

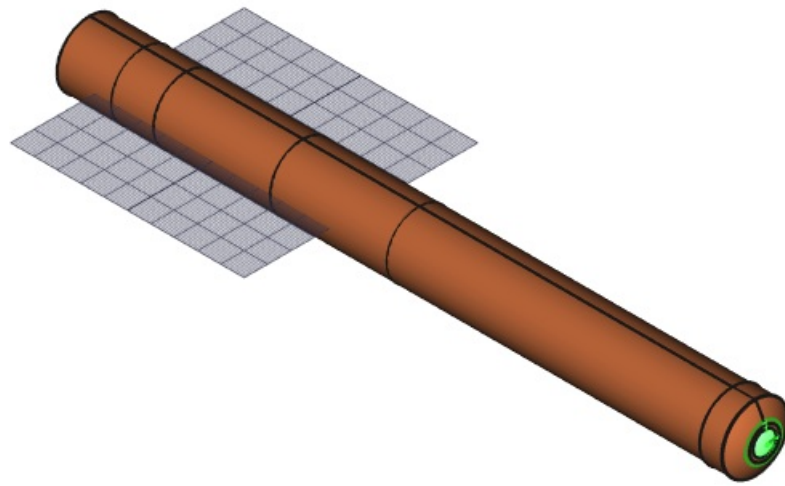| stl filename	element description	Figure showing the element
JL0065696	The exit window central piece	Fig.1
SOLID006	The exit window frame which has JL0065696 in its center	Fig.2
SOLID005	The outer most cylinder which has the three targets and everything inside	Fig.3
SOLID	Cylindrical piece connecting the first and second foils	Fig.4
SOLID002	Cylindrical piece connecting the second and third foils	Fig.5
SOLID007	Cylindrical piece connecting the first target foild to the entrance of the whole cell	Fig.6
B00000-03-01-0100-01	Entrance window foil	Fig.7
SOLID001	Frame for the middle tagert foil	Fig.8
SOLID003	Frame for the middle tagert foil	Fig.9
SOLID004	Frame for the third tagert foil	Fig.10
JL0065288	First target foil	Fig.11
JL0065289	Second target foil	Fig.12
JL0065290	Third target foil	Fig.13
SOLID009	Not part of the target cell, Cyril said he put it there as a reference to the center of the solenoid	Fig.14

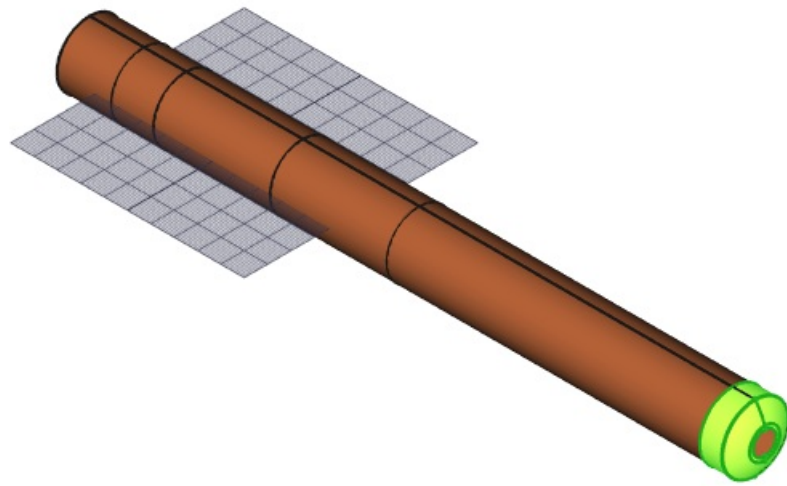Table 1: EG2p target elements.

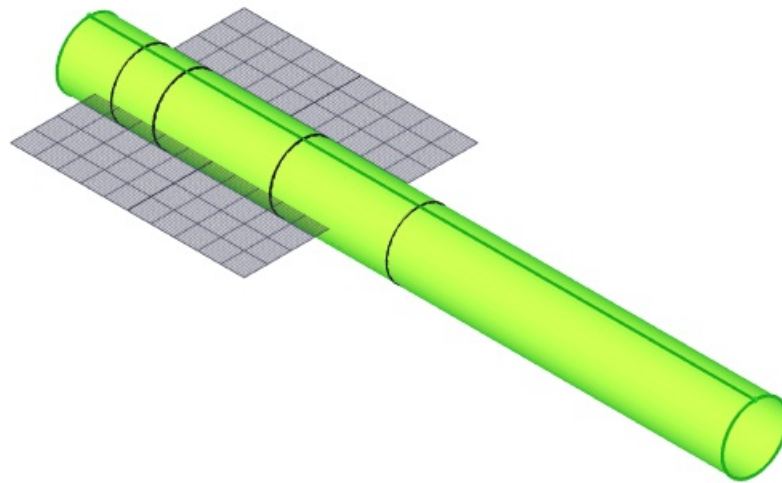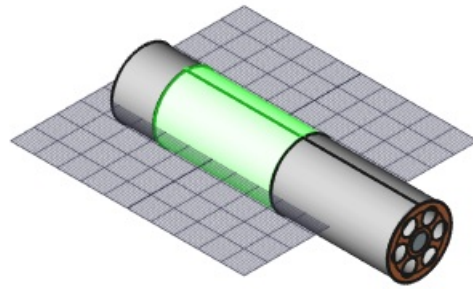Figure 1: JL0065696

Figure 2: SOLID006
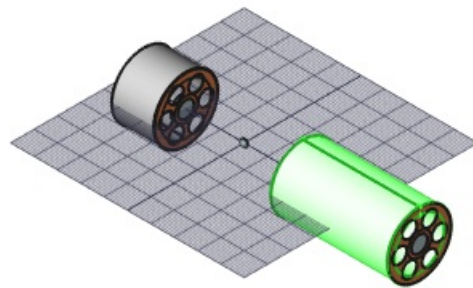
Figure 3: SOLID005

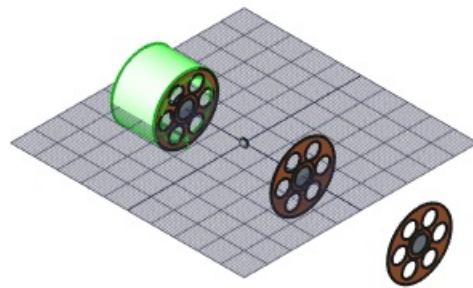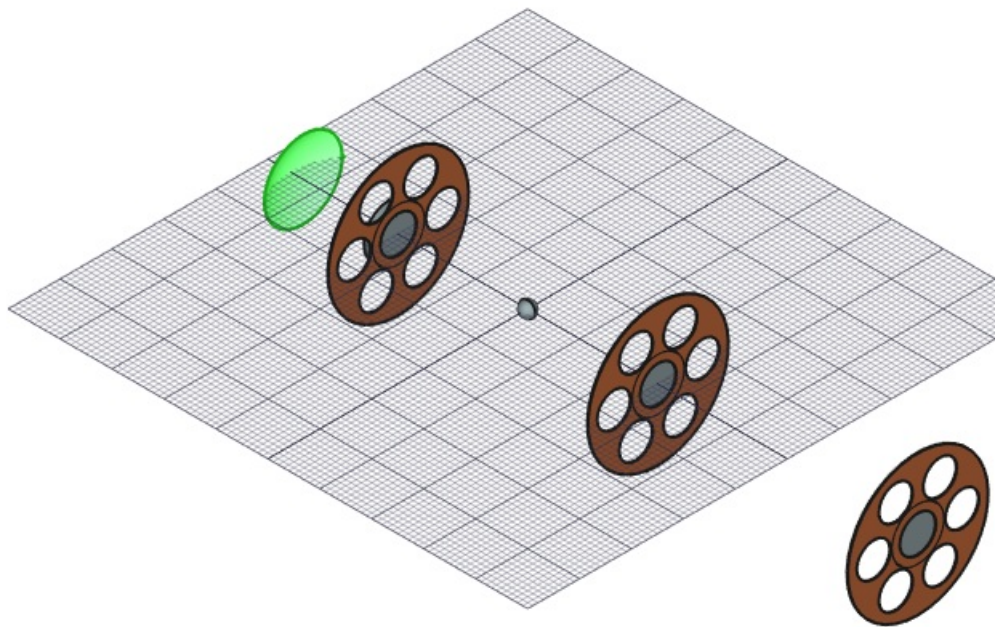Figure 4: SOLID

Figure 5: SOLID002
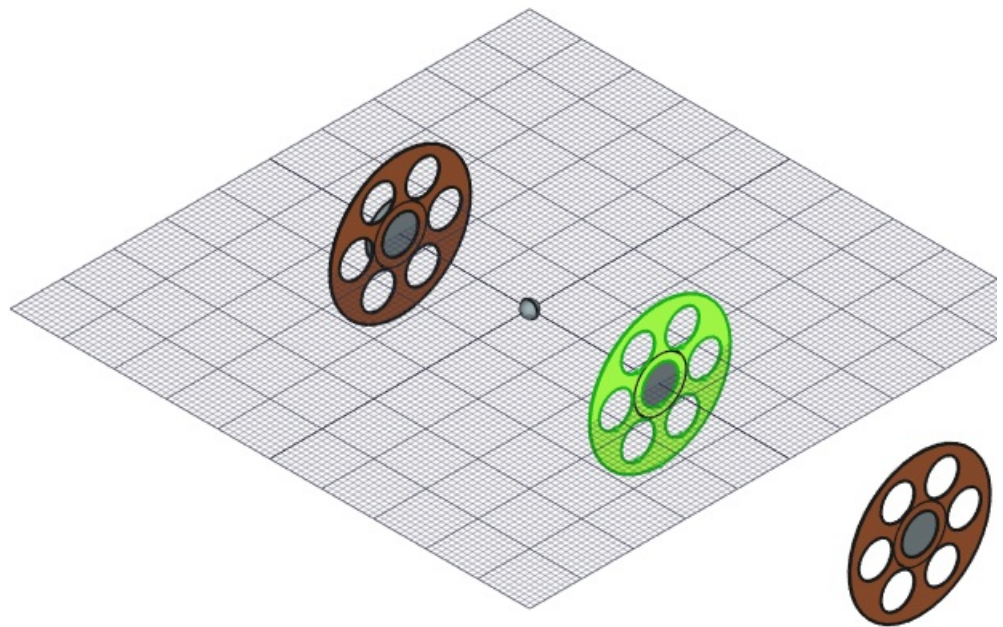
Figure 6: SOLID007

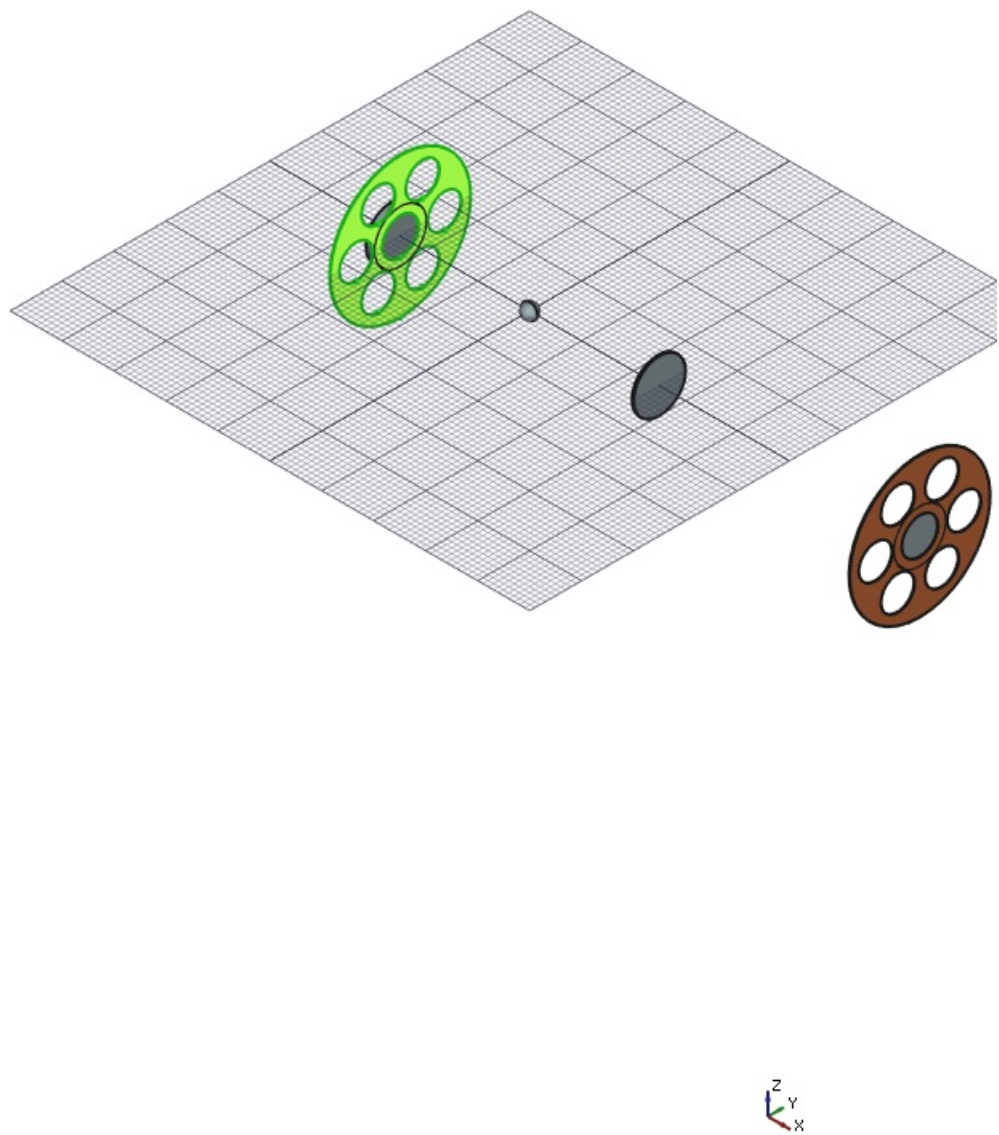Figure 7: B00000-03-01-0100-01

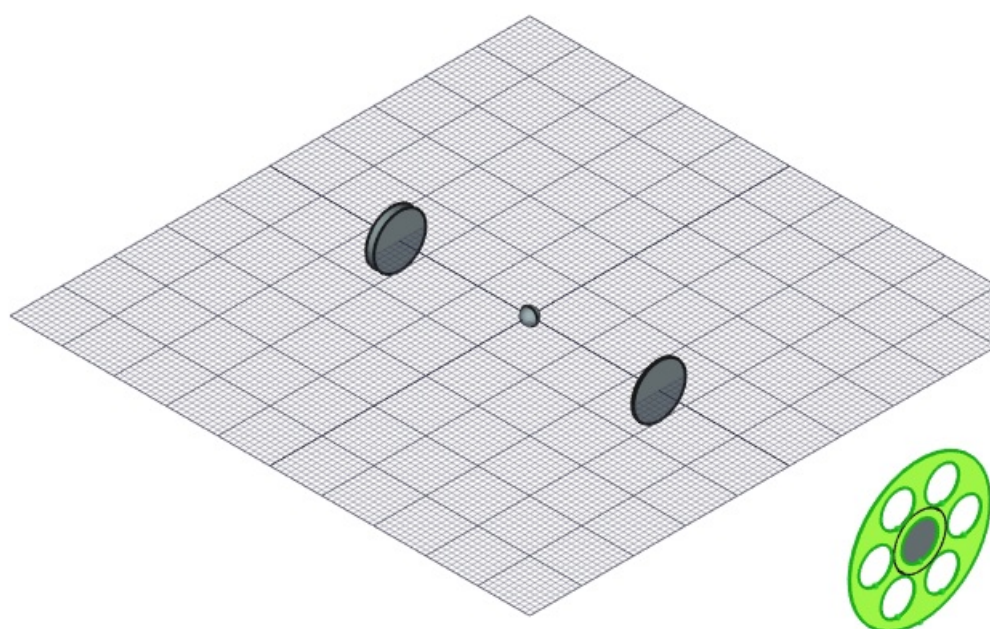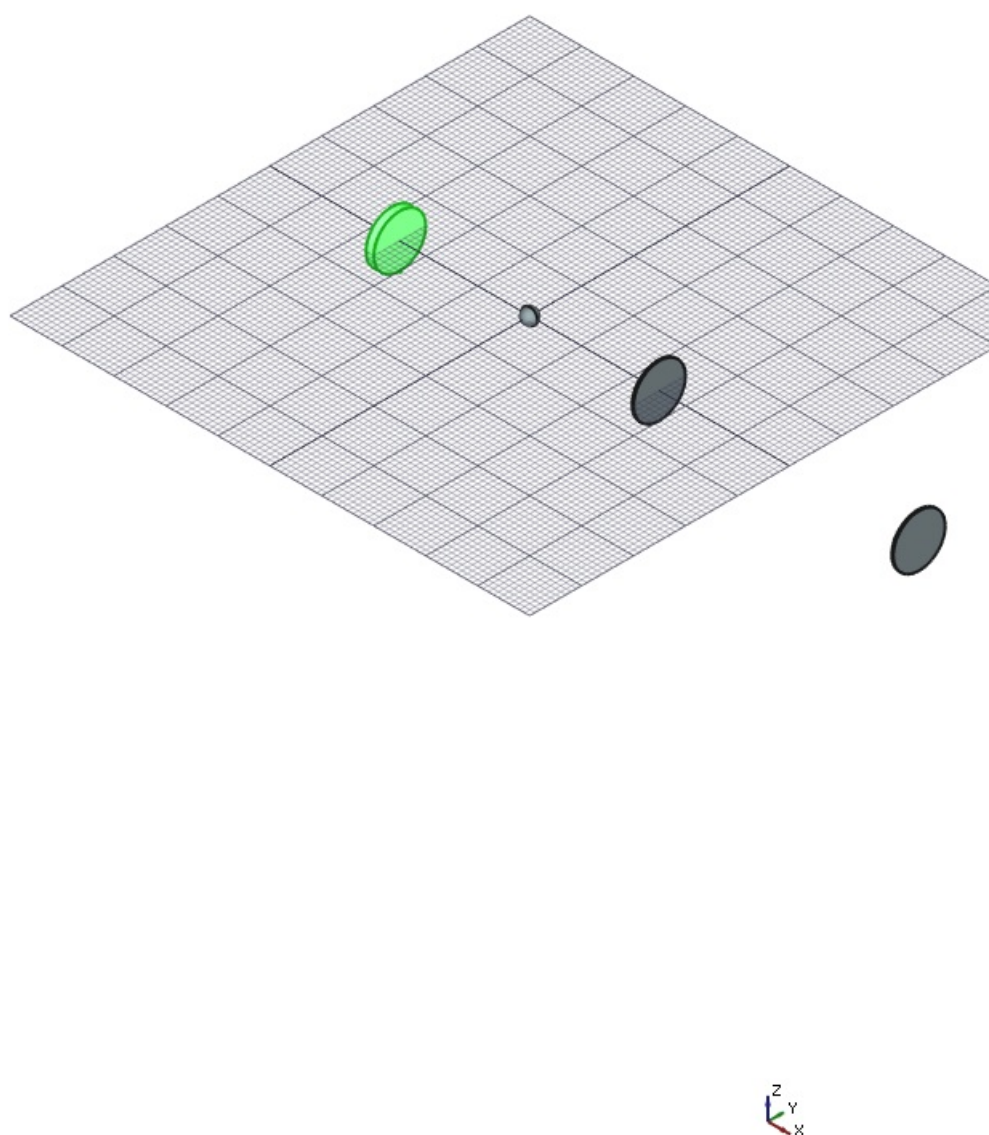Figure 8: SOLID001

Figure 9: SOLID003
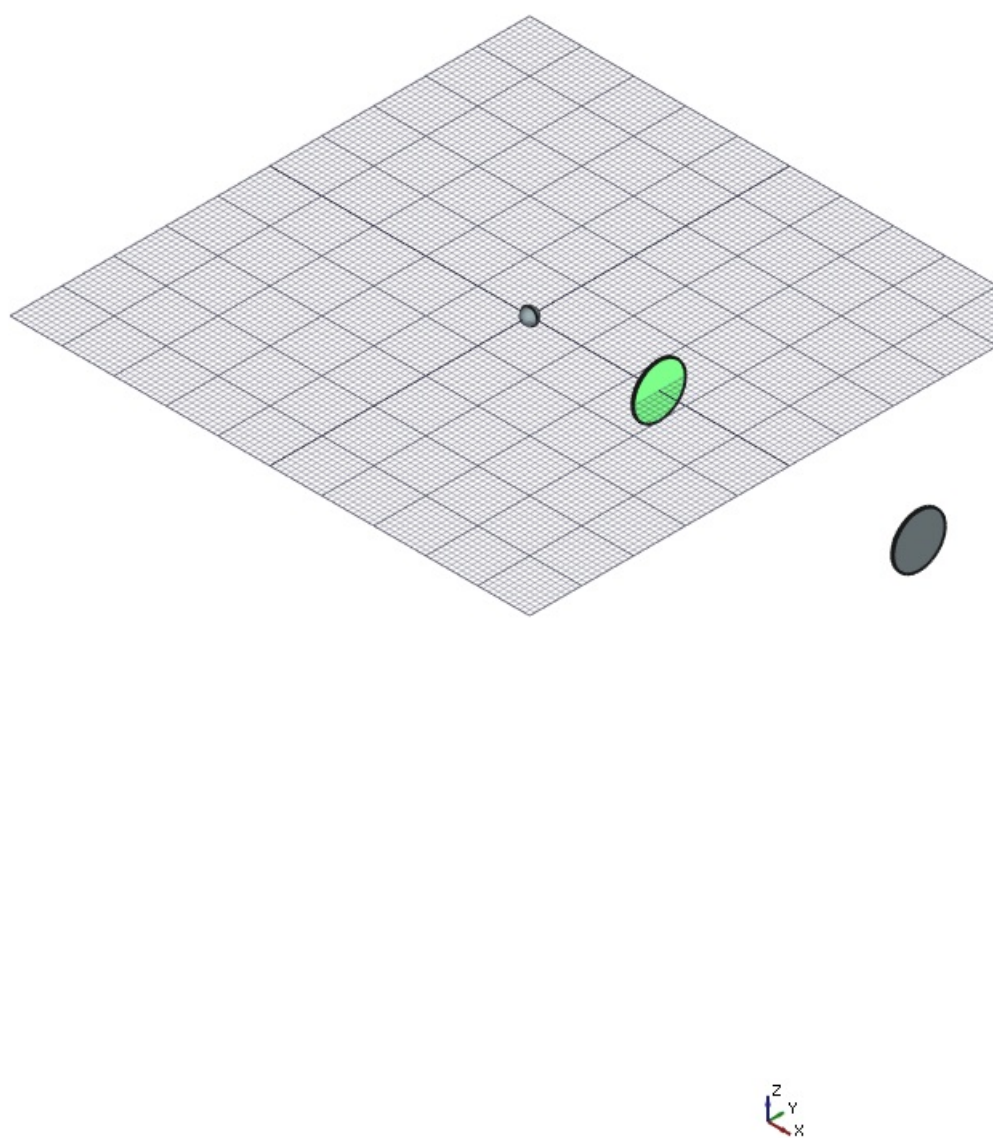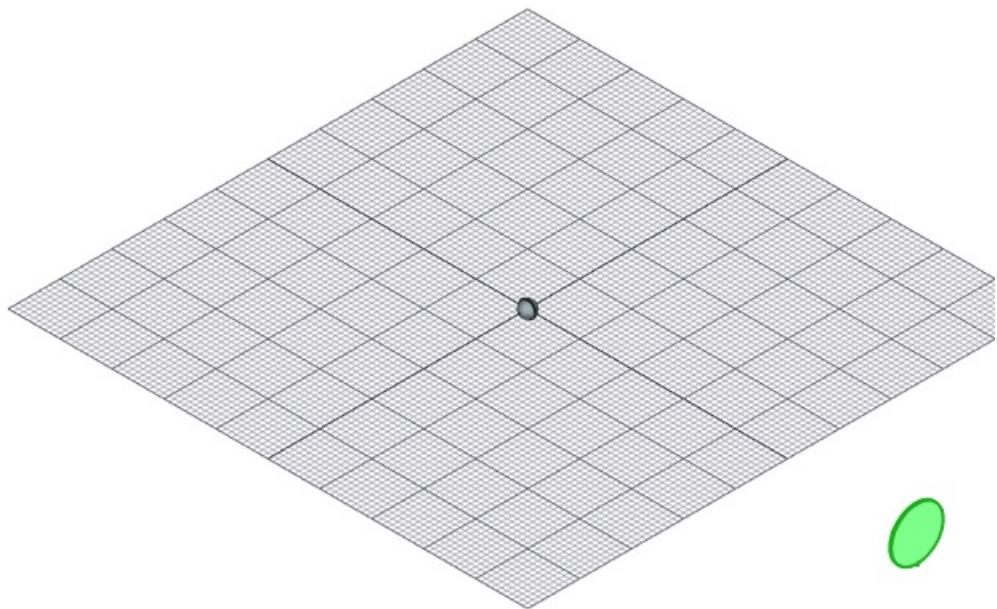
Figure 10: SOLID004

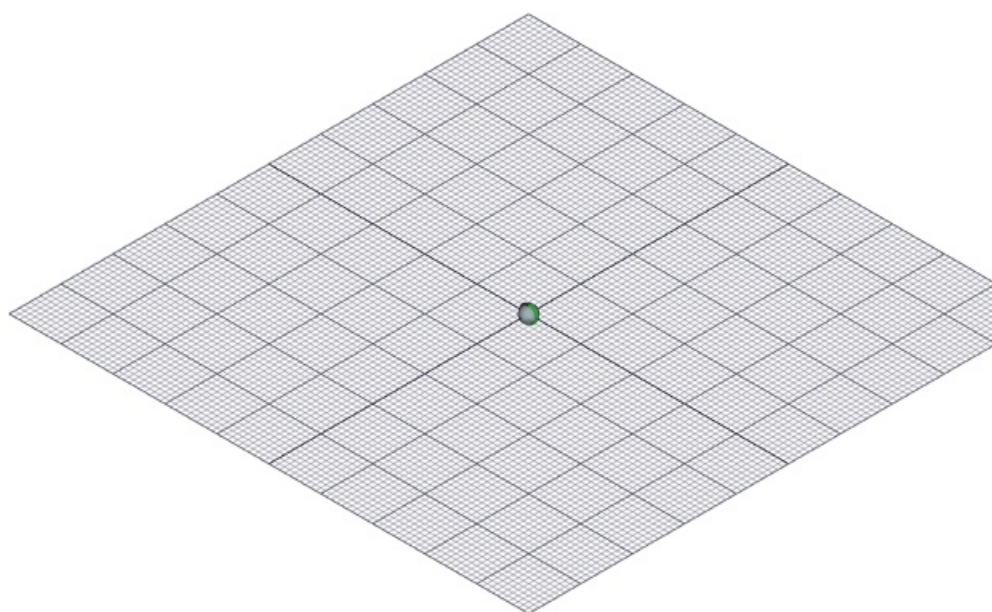Figure 11: JL0065288

Figure 12: JL0065289

Figure 13: JL0065290

Figure 14: SOLID009