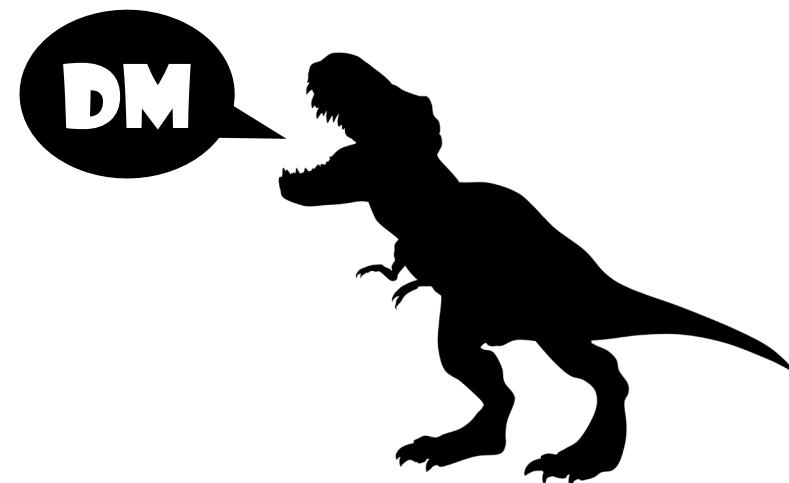


GEM assembly

Álvaro Ezquerro

July 2025



GEM generator module

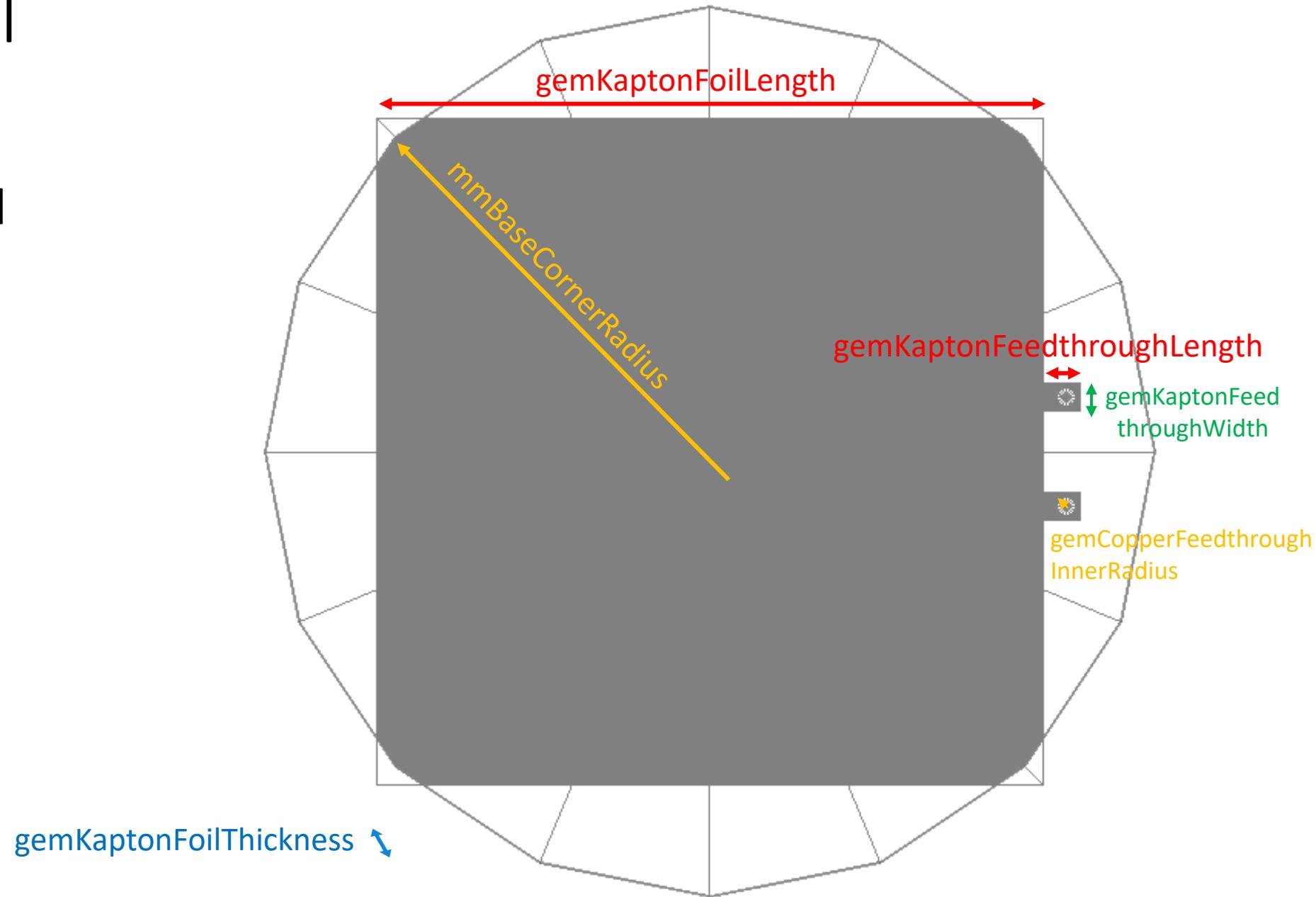
- The assembly is generated by the function:

```
generate_gem_assembly(name="gem_assembly", registry=None, is_right_side=True):
```

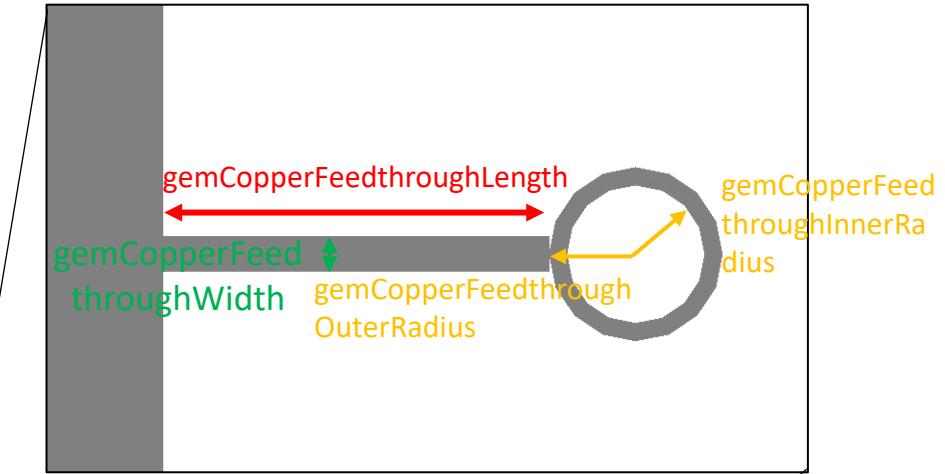
- It can generate the assembly for the right or left side. These are mirror assemblies of each other. By 180° rotation over the X axis it could also be achieved (thanks to its symmetry) except for the gem top & bottom feedthrough, which would be switched.
- In this document, the right side assembly is shown.

gemKaptonFoil

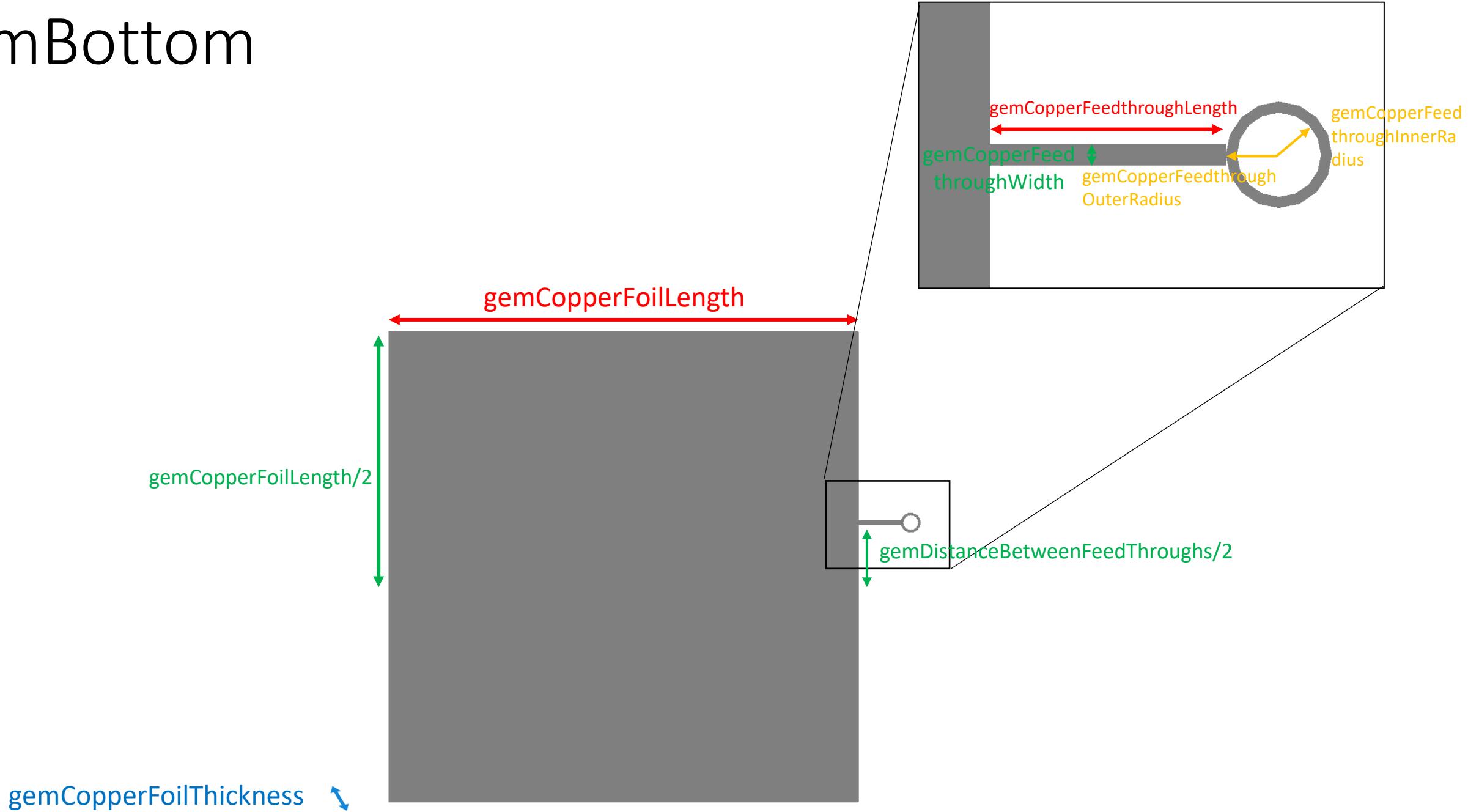
- This solid is placed in the center of the assembly.



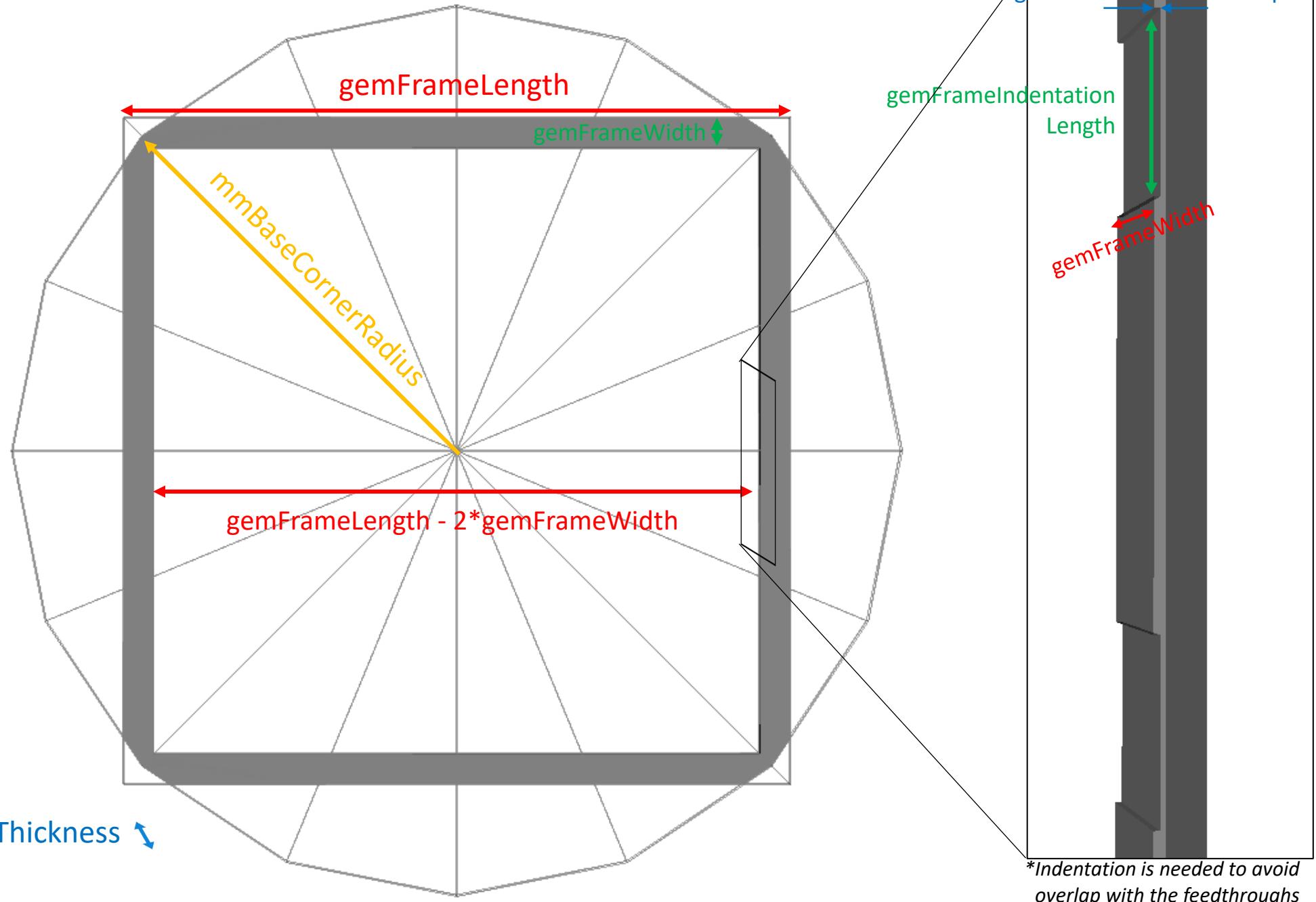
gemTop



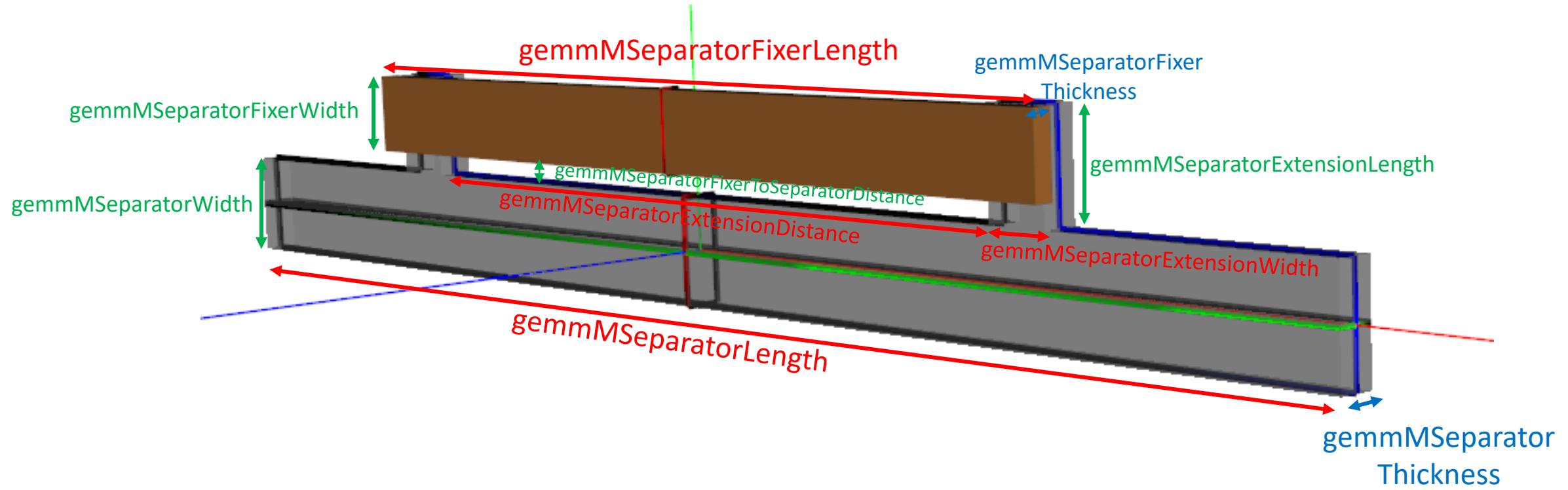
gemBottom



gemFrame



gemmMSeparator & gemmMSeparatorFixer



Final assembly

