```
oomph::Mesh
    ↑
oomph::RefineableMeshBase
    ↑
oomph::TreeBasedRefineableMeshBase                    oomph::Mesh
    ↑                                                     ↑
oomph::TreeBasedRefineableMesh< ELEMENT >         oomph::QuadMeshBase
                    ↑                                 ↑
            oomph::RefineableQuadMesh< ELEMENT >

        oomph::RefineableQuadMeshWithMovingCylinder< ELEMENT >
```