

Default dynamicMeshDict:

```
FoamFile
{
    version 2.0;
    format ascii;
    class dictionary;
    location constant;
    object dynamicMeshDict;
}

dynamicFvMesh dynamicMotionSolverFvMesh;
motionSolverLibs
(
    rigidBodyMeshMotion
);
motionSolver rigidBodyMotion;
rigidBodyMotionCoeffs
{
    solver
    {
        type symplectic;
    }
    accelerationRelaxation 0.7;
    accelerationDamping 1.0;
    bodies
    {
        LOMD6TT3HPSLEDPFBGZKXFZPQE
        {
            type rigidBody;
            parent root;
            mass 2.53;
            centreOfMass (0 0 -0.2216);
            inertia (0.0418985 0 0 0.0418985 0 0.000970622);
            transform (1 0 0 0 1 0 0 0 1) (0 0 0);
            patches
            (
                Cylinder_surface
            );
            innerDistance 0.554;
            outerDistance 1.108;
            joint
            {
                type Py;
            }
        }
    }
}
```

```
}  
restraints  
{  
  KZ7E5XZF5WG7V3JMKC3EUP6C7E  
  {  
    type linearSpring;  
    body LOMD6TT3HPSLEDPFBGZKXFZPQE;  
    refAttachmentPt (0 0 0);  
    anchor (0 0 0);  
    restLength 0.0;  
    stiffness 453.0;  
    damping 0.327;  
  }  
}
```

Modifiez dynamicMeshDict:

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