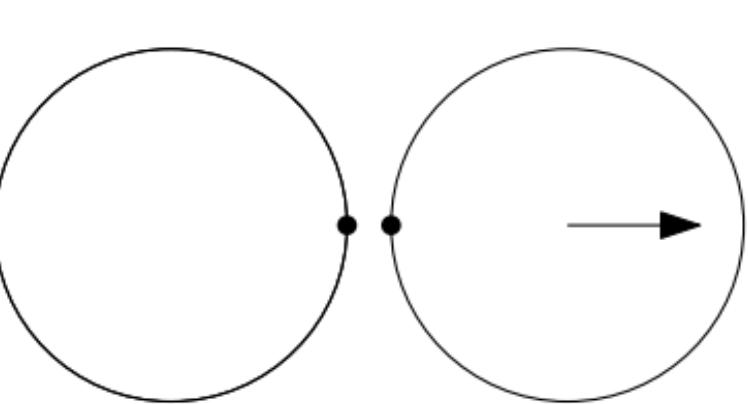
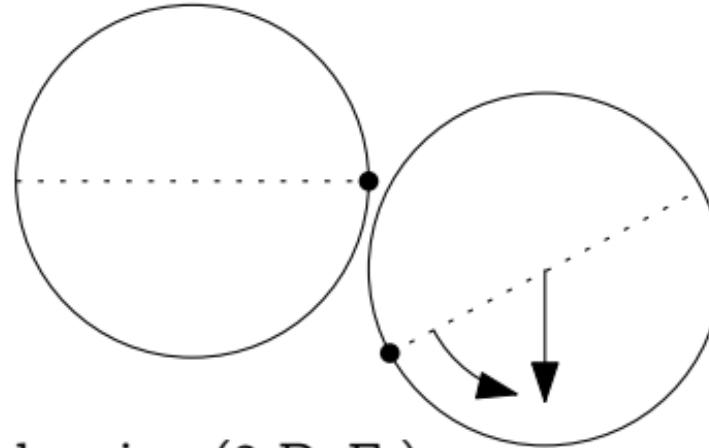


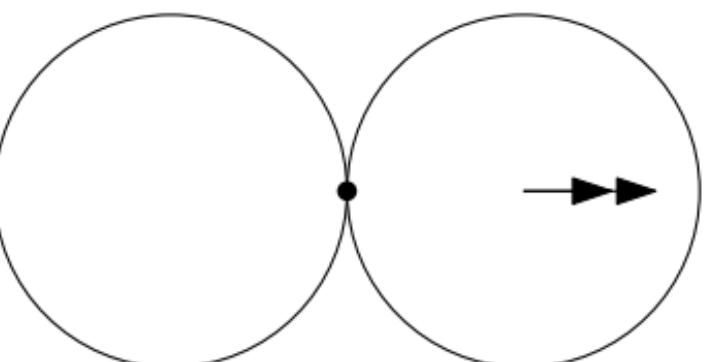
initial configuration



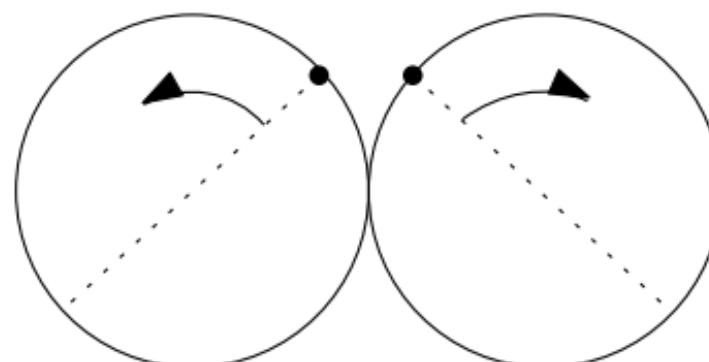
normal straining (1DoF)



shearing (2 DoFs)



twisting (1DoF)



bending (2 DoFs)