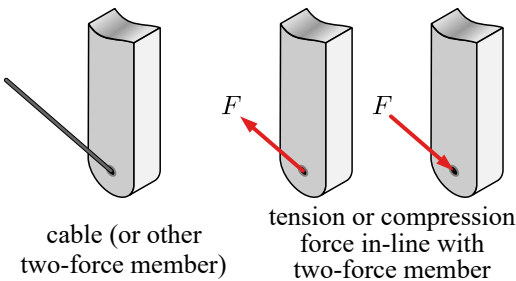
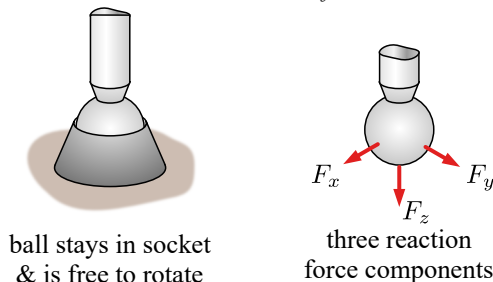


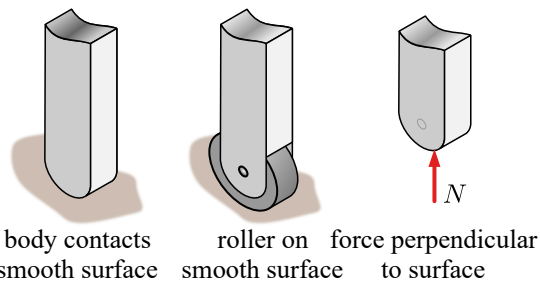
**Two-force support — One unknown —**  
*two-force member resists translation*



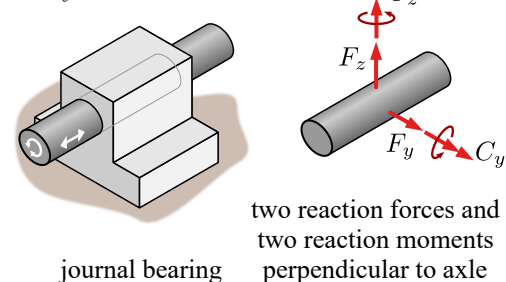
**Ball & socket — Three reactions —**  
*ball resists translation but is free to rotate*



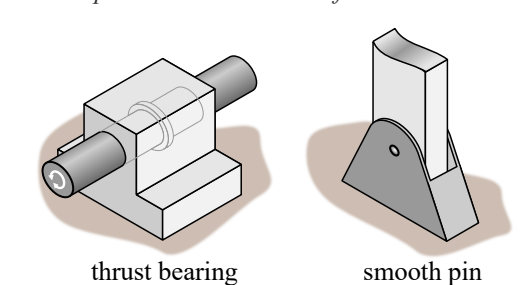
**Smooth surface — One unknown —**  
*smooth surface resists translation*



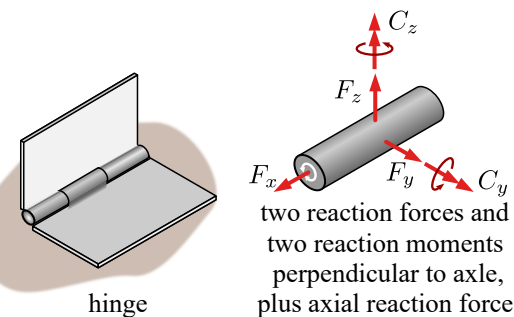
**Free-axle bearing — Four unknowns —**  
*axle free to slide & rotate*



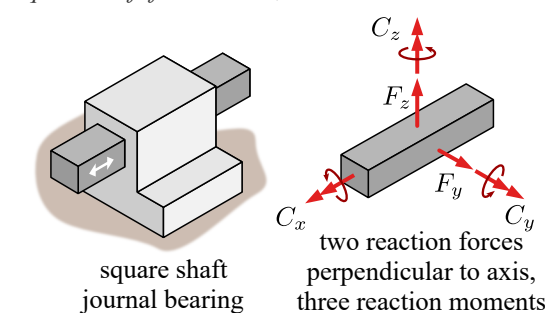
**Confined-axle bearing — Five reactions —**  
*axle or pin cannot slide but is free to rotate*



**Five reactions —**



**Square-shaft bearing — Five reactions —**  
*square shaft free to slide, but cannot rotate*



**Fixed support — Six reactions —**  
*body cannot slide & cannot rotate*

