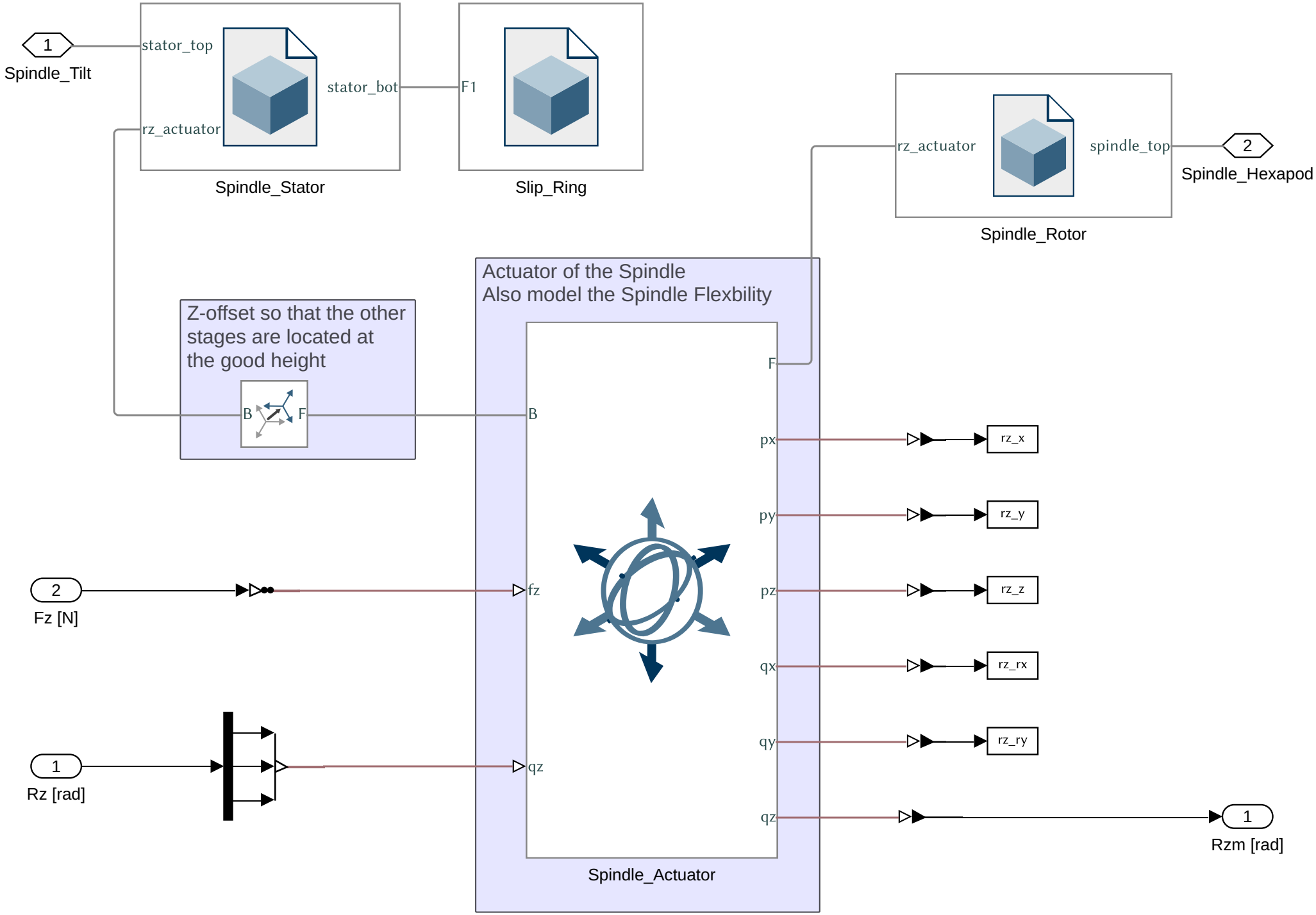
1
Spindle_Tilt
stator_top
rz_actuator
stator_bot
Spindle_Stator
F1
Slip_Ring
rz_actuator
spindle_top
2
Spindle_Hexapod
Spindle_Rotor
Z-offset so that the other stages are located at the good height
B
F
Actuator of the Spindle
Also model the Spindle Flexbility
B
fz
qz
F
px
py
pz
qx
qy
qz
Spindle_Actuator
rz_x
rz_y
rz_z
rz_rx
rz_ry
2
Fz [N]
1
Rz [rad]
1
Rzm [rad]