Bolt Elongation and Stress Eq. 1		Units
Blocks shown as light blue are editable		
Effective bolt length L_B =	1.500	in
Axial stress based on thread stress area f_T =	4000	psi
Modulus of elasticity E =	85000.0	psi
Calculated Results		
Bolt elongation σ_B =	0.0706	in

Bolt Elongation and Stress Eq. 2		Units
Blocks shown as light blue are editable		
Bolt elongation σ_B =	0.0706	psi
Axial stress based on thread stress area f_T =	4000	in
Modulus of elasticity E =	85000.0	in
Calculated Results		
Effective bolt length L_B =	1.5003	psi

Bolt Elongation and Stress Eq. 3		Units
Blocks shown as light blue are editable		
Effective bolt length L_B =	1.500	in
Bolt elongation σ_B =	0.0706	in
Modulus of elasticity E =	85000.0	psi
Calculated Results		
Axial stress based on thread stress area f_T =	4001	psi

Bolt Elongation and Stress Eq. 4		Units
Blocks shown as light blue are editable		
Effective bolt length L_B =	1.500	in
Bolt elongation σ_B =	0.0700	in
Axial stress based on thread stress area f_T =	4000.0	psi
Calculated Results		
Modulus of elasticity E =	85714	psi

Bolt Elongation and Stress Eq. 5		Units
Thread stress area d_{ts} =	2.500	psi
Bolt nominal diameter d =	2.000	in
Grip length L_S =	1.000	in
Bolt head thickness H_B =	0.375	in
Material thickness L_J =	0.750	in
Nut thickness H_N =	0.375	in
Calculated Results		
Effective bolt length L_B =	1.79296875	in