

Toolkit Inputs

Depth	Mud Weight	Poisson's Ratio	Stress Gradients	
			σ_v	
Max Horizontal Stress Azimuth α_1	Borehole Azimuth α_2	Deviation Angle γ	σ_H	
			σ_h	
Pore Pressure:			P_p	
Fault Type:				

	Strike	Dip
Bedding Plane Conductivity:		
Fault Conductivity:		
Natural Fractures:		

Permeability:	
Lithology:	
GSI:	

Toolkit Outputs

Tensile Failure Type:		Pore Pressure:	
Shear Failure Type:		Tensile Strength:	

Secondary Effective Principal Stresses

Maximum σ_1 :	
Intermediate σ_2 :	
Minimum σ_3 :	

Cartesian Far-field Total Stresses

Vertical Stress σ_v :	
Max Horizontal Stress σ_H :	
Min Horizontal Stress σ_h :	