

Drilling Software | Sophisticated Yet Simple



TADPRO®

Torque and Drag Model

Overview

Today's prevalent extended-reach directional wells expose tubulars to greater torque and drag (T&D). If torque and drag are not evaluated, it can result in stuck pipes, pipe failures, and costly fishing jobs.

TADPRO, the most comprehensive torque and drag software in the market, mitigates many risks associated with drilling operations, completion designs, and specific tool operations. It can determine the limits of horizontal lengths based on specific friction factors and evaluate the necessary weight for liner-top packers. With the ability to analyze downhole forces, TADPRO can also predict rig equipment specifications for torque and hook load.

With unparalleled user-friendliness and industry-leading graphical outputs, TADPRO provides both versatility and accuracy in its calculations. The software also integrates advanced features, making it extremely easy to use and allowing results to be interpreted effortlessly.

Benefits

Enhanced Safety and Efficiency

- Mitigate risks of stuck pipe incidents, pipe failures, and costly fishing jobs with precise T&D evaluation.
- Analyze horizontal well limits and achieve the required weight on liner-top packers.

User-Friendly Interface

- Navigate effortlessly with advanced graphical outputs and a highly intuitive interface.
- Personalize graphs and reports for enhanced data presentation and analysis.

Accurate and Comprehensive Reporting

- Leverage stiff string model and buckling calculations for high accuracy in planning.
- Validate and refine models with real field data for reliable performance predictions.
- Generate comprehensive reports for thorough analysis communication.





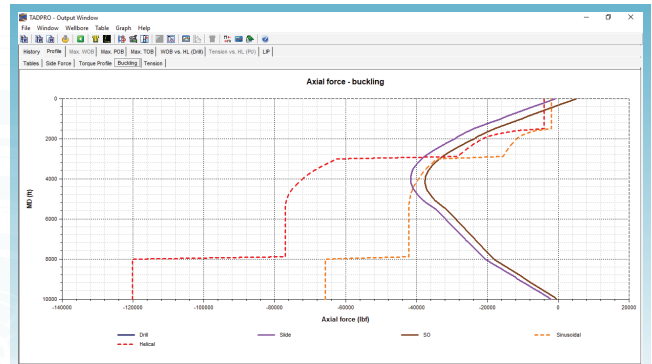
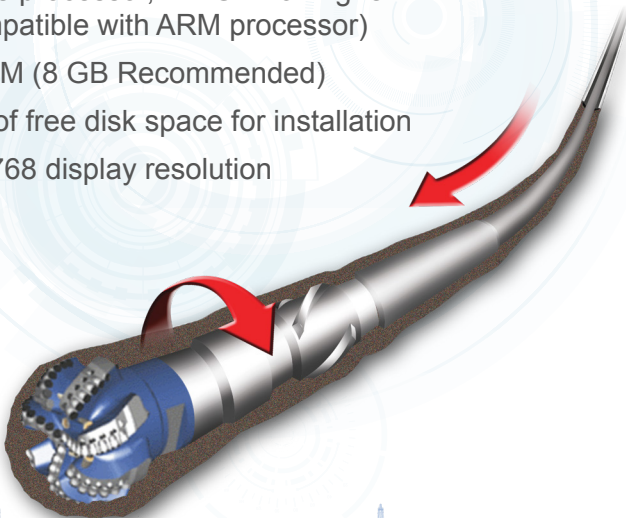
TADPRO®—Torque and Drag Model

Features

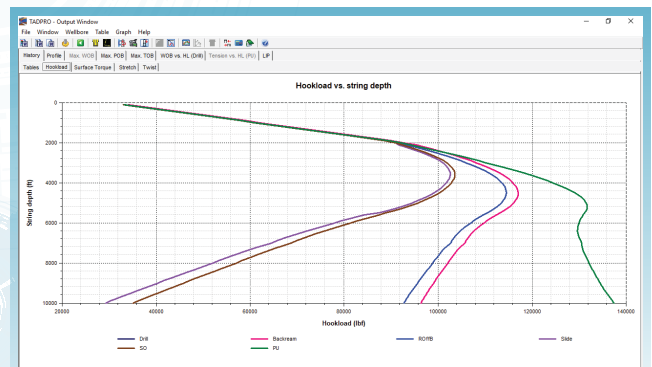
- Survey import from Excel®, text or PDF® files
- Survey tortuosity
- Drilling, back reaming, rotating, and tripping operations
- Stiff string model
- Buckling calculations
- Sensitivity analysis on friction factor
- Friction factor calibration
- 2D/3D animation
- Liner cementing job
- Casing flotation
- Packer setting
- Field data comparison
- Graph customization
- Graph formatting options
- Microsoft Word® report
- US oil field, SI, and customized units
- Multi-language: English, Spanish, Chinese, Russian and Portuguese

System Requirements

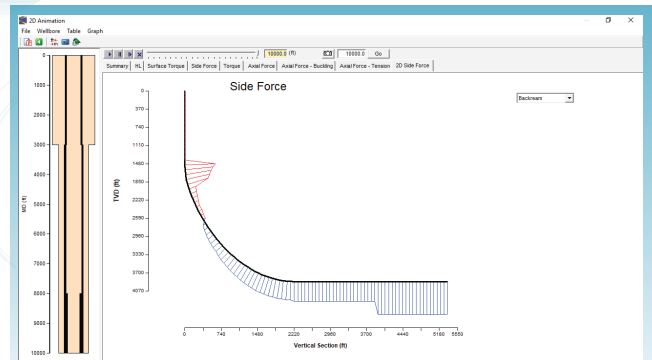
- Microsoft Windows® 10 or above
- Microsoft Office® 2016 or above
- Dual-core processor, 1.4 GHz or higher (Not compatible with ARM processor)
- 4 GB RAM (8 GB Recommended)
- 200 MB of free disk space for installation
- 1,280 x 768 display resolution



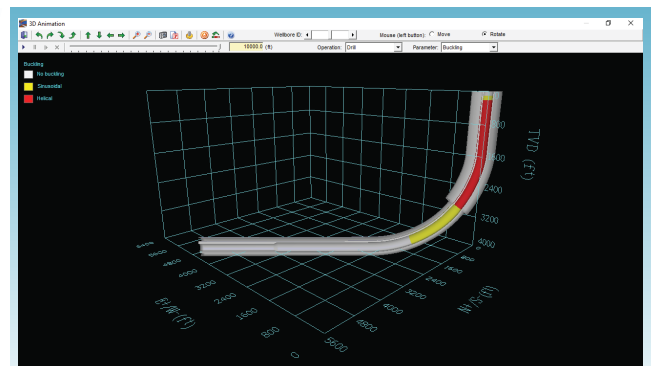
Axial Force Profiles & Buckling Limits



Hook Load



Side Force



3D Buckling Animation