

PosiTrack TVM Tool

The PosiTrack™ Torsional Vibration Mitigation (TVM) tool is the new torsional vibration mitigation technology from NOV specifically designed to manage unwanted HFTO, torsional, and axial vibrations above and below the tool while effectively managing weight on bit.

Using a patented pressure compensated telescoping mechanism, the PosiTrack technology absorbs torsional oscillations and vibrations induced by stick-slip, drill bit overengagement, and inconsistent weight transfer. The PosiTrack technology provides torsional stability enabling RSS systems to stay on track improving drilling efficiency.

The PosiTrack protects valuable BHA components, reduces drill bit instability, and aids in drilling parameter optimization.



Features and Benefits

- Reduces stick-slip by mitigating torsional vibration
- Reduces axial vibration, bit, and BHA bouncing
- Helps manage HFTO
- Optimizes drill bit depth of cut
- Absorbs torque spikes cause by sudden reduction in drill bit rpm
- Variable/adjustable settings
- Protects RSS, MWD/LWD, and mud motors from damaging torsional vibrations
- High temperature set up is available upon request. PosiTrack is rated to 300°F/450°F degrees
- Patented technology

Technical Data

OD	5 in.	5¼ in.	6¾ in.	8¼ in.	9½ in.
ID	1¾ in.	1¾ in.	2¼ in.	2¾ in.	2.83 in.
Length	19.6 ft	19.6 ft	20 ft	22.1 ft	22.1 ft
Weight	1,020 lb	1,167 lb	1,475 lb	3,110 lb	3,700 lb
Max stroke	10 in.	10 in.	7¾ in.	10 in.	10 in.
Torsional yield	20,400 ft-lb	23,100 ft-lb	41,200 ft-lb	80,600 ft-lb	100,000 ft-lb
Tensile yield	450,000 lbf	512,000 lbf	860,000 lbf	1,151,000 lbf	1,180,000 lbf
Temperature rating	300°F/450°F	300°F/450°F	300°F/450°F	300°F/450°F	300°F/450°F