

Well remediation solution to restore full tubing integrity with no loss of ID



The Viking Sealing Tubing Over-Shot (TOS) Well Recovery System is a simple, robust and reliable solution which allows the replacement of a cemented tubing string by installation of a self-anchoring, sealing overshoot to re-establish production quickly and economically. A Polish Bore Assembly (PBA) can be run together with the TOS to allow space-out of the production tubing string when landing the tubing hanger. This then enables simple replacement of the tubing string in the future without the need for a heavy workover.

The Sealing Tubing Over-Shot is available in a range of materials, connections to suit a range of tubing sizes and well designs.

## Benefits

- Re-establishes pressure integrity after cutting the tubing
- Mechanically reconnect the upper and lower tubing string
- Addition of Viking Polish Bore Assembly allows future replacement of tubing string without the need for heavy workover



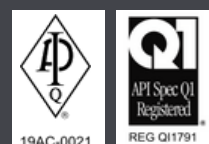
## FEATURES

- ✓ Premium thread connection to suit upper tubing string
- ✓ Helical Lip Guide to easily engage cut tubing
- ✓ No-Go Space Out indicator
- ✓ Materials to suit all well environments
- ✓ Proprietary bi-directional 10,000psi VO pressure tight seal system



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# SEALING TUBING OVER-SHOT

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General Information				
Product Number	12TOS350	12TOS450	12TOS450	12TOS550
Minimum Casing Size and Weight	7.000" 35 lb/ft	7.000" 32 lb/ft	9-5/8" 53.5 lb/ft	9-5/8" 53.5 lb/ft
Maximum OD	5.800"	5.900"	8.311"	8.311"

Through Bore Configurations				
Top Connection*	3-1/2"	4-1/2"	4-1/2"	5-1/2"
Minimum ID	ID adjusted to suit end connection blanking dimension			

Performance Data				
Pressure Rating Internal**	15,000psi	10,000psi	15,000psi	15,000psi
Pressure Rating External**	15,000psi	10,000psi	15,000psi	15,000psi

Operation Data	
Setting Method	RIH on new completion string / set down 10,000lbs to set
Release Method	Cut tubing below the Sealing Tubing Over-Shot / POOH with tubing string
Special Feature(s)	Integrated permanent anchor mechanism / redundant seals
Validation Grade	API Spec 19AC / VO
Quality Grades	Q1, Q2, Q3

\* other size connections can be supplied to enable revised completion design, for example completing well with smaller ID tubing to mitigate water loading

\*\* Pressure rating dependant on material, end connection and specification and condition of tubing stump



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