

# Thermal Overshot™



## OVERVIEW

Interra Energy's Thermal Overshot™ is optimized for the high temperature environment of steam assisted gravity drainage (SAGD). After the recovery of a parted tubular, this tool enables the operator to efficiently re-enter the wellbore and latch onto the remaining injection string.

Operationally, the Thermal Overshot tool is run in hole and latched onto the existing steam injection string. An internal ratcheting mechanism is actuated by pulling on the bottom hole assembly (BHA). Through a proprietary slip mechanism, the tool creates a permanent thermal seal around the existing casing, resulting in a continuous flow of steam from surface to the toe of the well.

The Thermal Overshot tool is designed to function without tension or compression, which enables it to maintain a thermal seal for the life of the well. The system is typically run in conjunction with Thermal Expansion joints to ensure proper spacing out during installation.

## Features & Benefits

- ★ Used to replace parted tubulars.
- ★ High temperature/high pressure (HTHP) internal seals.
- ★ Designed to function without tension or compression to maintain the seal.
- ★ Can be run in conjunction with AccuSteam™ injection valves in a single deployment.

## SPECIFICATIONS

Max. Outside Diameter (OD) mm (in.)	Min. Inside Diameter (ID) mm (in.)	Total Length (Incl. Pin) m (ft)	Pull Strength daN (lb)	Sealing Element Min. Pull daN (lb)	Burst/Collapse Pressure MPa (psi)
151.13 (5.950)	101.09 (3.980)	1.67 (5.47)	177,929 (400,000)	6,672 (15,000)	51.7 (7,500)

\*Designed for overshot of 114.3 mm (4.500 in.) tubing. Tools of reduced overall dimension are in development.