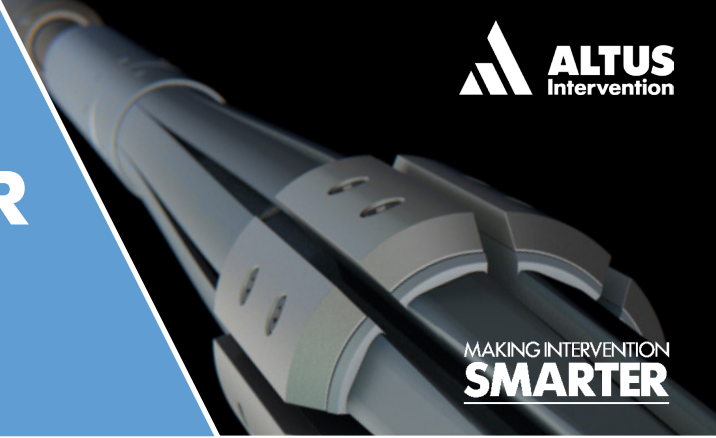


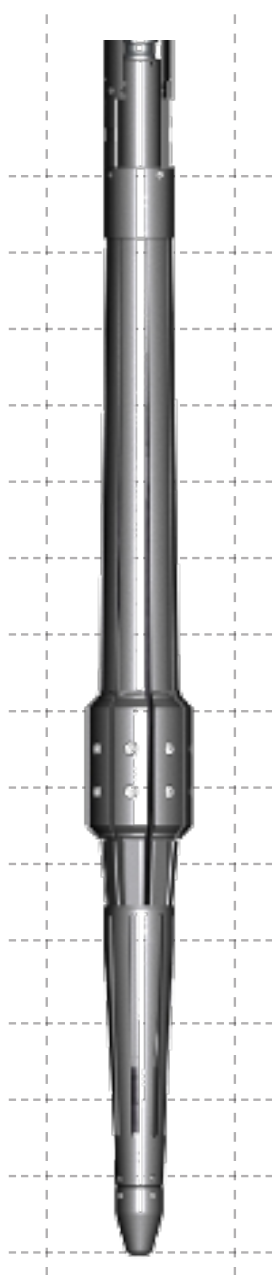
PRECISION MECHANICAL APPLICATIONS

PRECISIONEXPANDER



MAKING INTERVENTION
SMARTER

The **PrecisionExpander** is designed to repair damaged completion components e.g. DHSV flow tubes, mule shoes and slightly collapsed production tubing, thus re-enabling component functionality and/or wellbore access. It is run in combination with the **PrecisionStroker**, converting the stroker axial position and force to a radial position and force.



PrecisionExpander

APPLICATIONS

- Expansion of collapsed TR-DHSV flow tubes
- Repair of damaged mule shoe
- Repair of slightly collapsed/dented production tubing

FEATURES

- E-Line deployed/powered device with real-time measurement and control
- Stroker axial force amplified to a high radial force (circa 4x)
- No axial force applied onto damaged area
- Precise control of expansion OD (0.1 mm resolution)
- Unlimited expansion cycles
- Inherent fail safe functionality
- Immediate drift verification capability

BENEFITS

- In-well repair solution, minimising time, cost and risk exposure
- Precise, light on logistics, footprint and personnel

Specification	PrecisionExpander
Min OD ¹	3.39 inches/86.0 mm
Max Expansion OD ¹	6.86 inches/174.0 mm
Length	5.42 ft/1.65 m
Pressure Rating	N/A
Temperature Rating	177°C/350°F
Axial Force	As per PrecisionStroker spec
Max Radial Force ²	132,300 lbs/60,000 kgs

¹ Dependent on Expander dog size used
² Dependent on friction factor