



CASING EXPANDER TOOL

SCP/ANNULUS MITIGATION

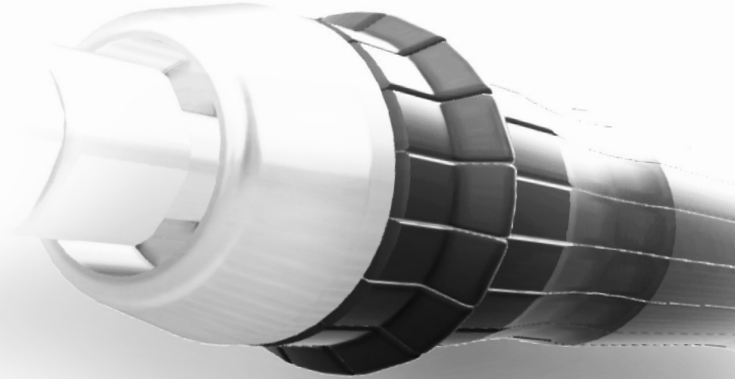
The Casing Expander Tool is a simple, cost-effective, and expeditious way to stop unwanted surface gas flow by repairing gaps or channels in the annular sections.

The Casing Expander Tool provides a less invasive, very effective and low-cost method of sustained casing pressure (SCP)/surface casing vent flow (SCVF) remediation. Renegade Services can now, almost entirely, reduce micro annulus in producing and non-producing wells by locally deforming the casing and cement sheath quickly and without perforations or chemicals.

FEATURES

- E-line deployable, i.e. low cost
- No ID reduction after repair
- Fully re-usable, no sacrificial parts
- Multiple dents can be set per run
- No perforations are required
- Annulus is not opened
- Fully controlled expansion
- Mechanically driven via electric hydraulic system
- Eliminates Surface Casing Vent Flow (SCVF)
- Remote controls allow operator to target

LAB TESTING



Repeatable.
Permanent.
Zero Gas.
Simple.

TOOL SPECS

LENGTH	P	I W
WEIGHT	N J	O E
CASING/ TUBING RANGE	P P W R L Q W R L Q	P P



Technical Specifications: Versa-Line Roller Sub

Technical Specification					
	Slickline Roller Sub				E-Line Roller Sub
Body O.D	1.375"	1.75"	2.5"	2.5"	2.5"
Length	17.0"	23.0"	27.0"	33.125"	37.8"
Wheel Diameter	1.6"	2.0" - 3.0"	2.7" - 4.2"	2.7" - 5.7"	2.7" - 4.2"
Connections	15/16" UNS THD	15/16" UNS THD	1 1/16" UNS THD	1 1/16" UNS THD	Gearhart Owen 1 3/16" 12 UN /
Material	AISI 4140 30-36 Rc	AISI 4140 30-36 Rc	AISI 4140 30-36 Rc	AISI 4140 30-36 Rc	AISI 4140 30-36 Rc
Weight	5.5 lbs	25 lbs	29 lbs	35 lbs	46 lbs

