

DELTA SCOPE[®]

ANNULAR PROTECTION TOOL



**PRESSURE CONTROL:
IN REAL TIME...
NO DAMAGE...
NO DRAG.**



ROTATE AND RECIPROCATE UNDER FULL WORKING PRESSURE

The first-and-only-in-class option for rotation and reciprocation at full working pressure: DeltaScope[®]

No two projects are the same; even with similar scope and operating conditions, challenges exist. The patented DeltaScope[®] Annular Protection Tool (APT) is precision-engineered to facilitate the management of a variety of downhole operations with unprecedented accuracy. DeltaScope's proprietary pressure control at the wellhead protects the annular blowout preventer eliminating costly damage and reducing downtime without compromising subsurface functionality. Safety, precision and reliability - at full working pressure. That's the DeltaScope[®] difference.

 Connect with us

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RIGSCOPE INTERNATIONAL

DeltaScope® APT was designed to replace outdated and unreliable methods of controlling pressure at the wellhead during downhole operations. It can be used in multiple operations, including fluid displacements, wellbore cleanout, hydraulic fracturing, drill outs, pressure pumping and managed pressure drilling - among other applications - making it a trusted choice for a variety of pressure control needs.

DeltaScope's® proprietary dual-seal system is first-and-only in its class, allowing rotation and reciproaction of the workstring through the BOP, under full working pressure - with virtually zero friction. By eliminating drag from the annular seal, an operator can better monitor downhole tool manipulation, in real-time, allowing accurate visibility of critical downhole functions.



DELTA SCOPE APT



Mandrel Body (Box x Box)

OD	ID	Wall	Material	Material MY	Weight (Lbs/Ft)	Burst	Collapse
7.000"	5.705"	0.648"	4145HT	120,000 psi	44.07	23,638 psi	20,077 psi

Inter-Body Connectors (Pin x Pin Middle Subs)

OD	ID	Wall	Material	Material MY	Yield Torque (100%)	Tensile Yield
7.000"	4.250"	1.375"	4145HT	120,000 psi	38,947 Ft. Lbs.	1,219,560 Lbs.

Housing Body

Top & Bott Stop OD	ID	Burst	Collapse	Overall Len	Annular Closing Area
12.625"	7.690"	20,792 psi	17,953 psi	12.80'	9.180"ODx8.5' Len

Operational Ratings (Once Housing is located in BOPE)

ROM	Run Speed	Annulus Pressure	Internal Pressure
120	100 fpm	10,000 psi differential	15,000 psi

Displacement / Capacity

One stand (68') displacement	1.353 bbls
Average displacement (bbls/ft)	0.01989 bbls/ft
One stand (68') capacity	1.89 bbls
Average displacement (bbls/ft)	0.02771 bbls

Job Facts

Longest Stroke run to date:	786'
Highest annular pressure:	7,500 psi
Highest surface pressure:	14,500 psi