LOGAN
COMPLETION SYSTEMS

MultiStim Fracture Isolation System

MultiStim Flow Lock Collar

- Ball actuated
- Adjustable actuation pressure
- Locking shut-off
- Meets API Q1 standards

The MultiStim Flow Lock Collar is lowermost component above the liner shoe track. The Flow Lock Collar allows well fluid to fill up during liner installation; circulation for well fluid displacement once the liner is at depth and when closed provides liner pressure integrity for setting of the MegaSeal Open Hole Packers, the liner hanger packer and opening of the MultiStim Hydraulic Port Valve.

Ball Actuated

The Flow Lock Collar remains open for circulation until the corresponding ball is circulated to the collar.

Adjustable Actuation Pressure

The hydraulic closing pressure can be adjusted prior to installation.

Locking Shut-Off

Once the Flow Lock Collar has been shifted closed, it remains permanently locked.

Design and Manufacturing Standards

The MultiStim Flow Lock Collar is designed with performance specifications equal that of the liner casing. The MultiStim Flow Lock Collar and all MultiStim Fracture Isolation System components are designed to API Q1 standards at our certified manufacturing facility.

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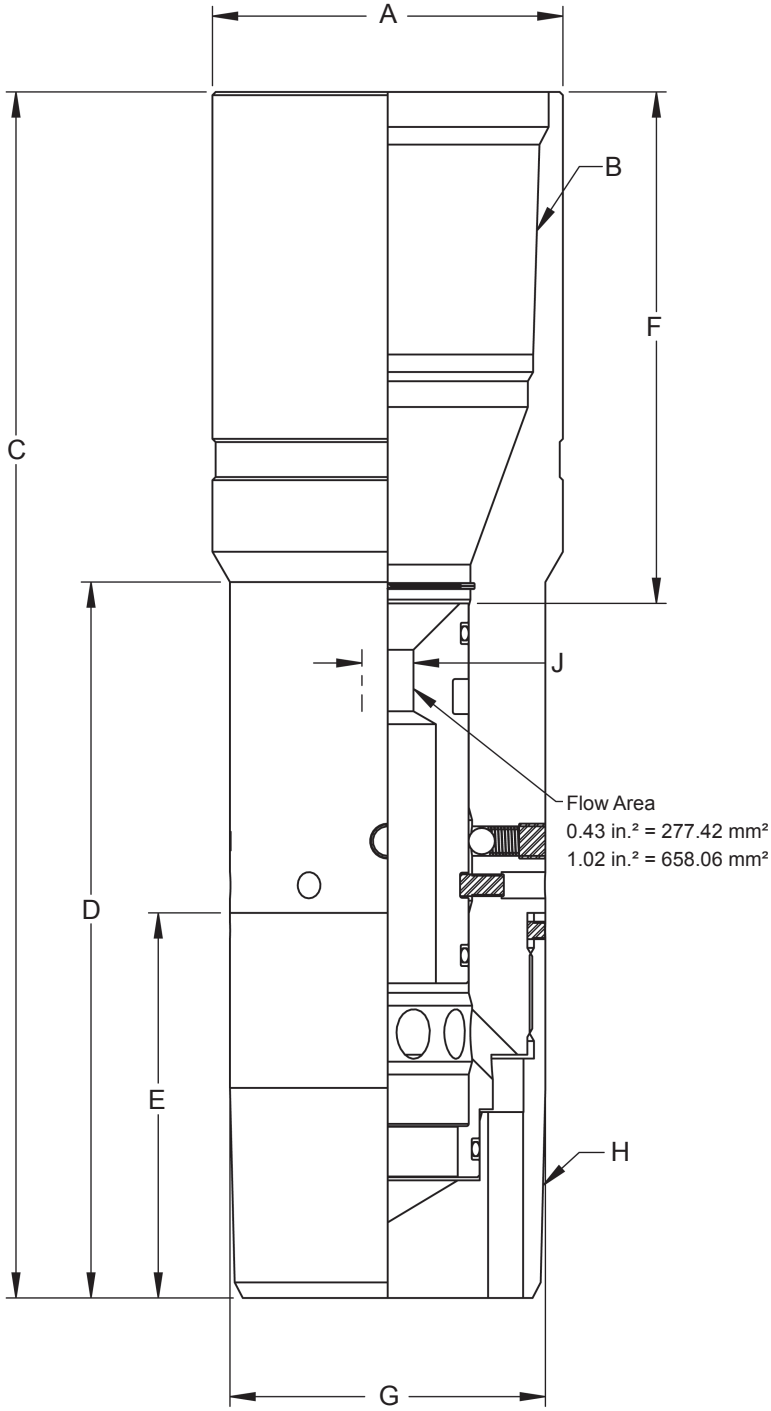
Dim.	(in)	(mm)
A	5.00	127.00
B	4.500 8RL	
C	17.20	436.90
D	10.20	259.10
E	5.50	139.70
F (open)	7.30	185.40
F (closed)	9.30	236.20
G	4.50	114.30
H	4.500 8RL	
J (min ID)	0.74	18.80
J (max ID)	1.14	28.96

Tool Ratings

Rating	Value	
Burst	10,690 psi	73,705 kPa
Collapse	7,580 psi	52,260 kPa
Tensile	123,100 lbs	54,760 daN
Activation Pressure	900 – 1,000 psi	6,205 – 6,900 kPa



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