

CLOSURE & HEADLIFT

QUICK GUIDE

A comprehensive overview of Fil-Trek's closure and headlift options. From swing bolt to T-bolt designs to various headlift systems, we offer versatile solutions to meet various pressure requirements and operational needs while ensuring safe and efficient vessel access.



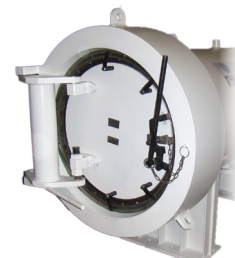
CLOSURE OPTIONS


SWING BOLTS

T-BOLT

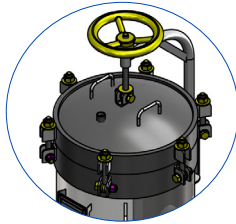
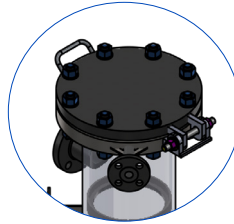
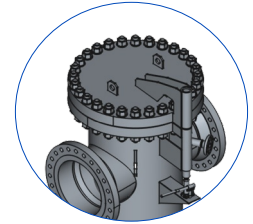
FEATURES	- Standard offering - Cost effective - ASME Code - Ease of access	- Manual operation/Toolless - Cost effective - Compact design - ASME Code
COST	\$	\$\$
HEADLIFT OPTIONS	- Davit - Hinge - Hydraulic jack - Spring assist - Lugs only	- Davit - Hinge - Hydraulic jack - Spring assist - Lugs only
ADDITIONAL INFORMATION	- O-Ring elastomer - Eye nuts available	- O-Ring elastomer


THRU BOLT

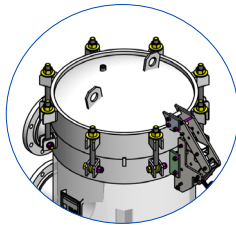
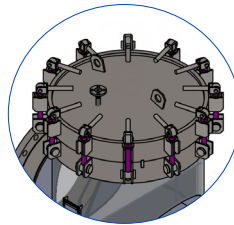
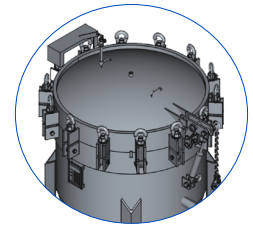
EZ CLOSURE

HIGH PRESSURE QOC

FEATURES	- ASME Code - High pressure realibility	- Tool free - AMSE Code - Ideal for frequent access - Ease of access - Quick opening	- Tool free - Single person operation - ASME Code - Quick opening
COST	\$\$\$	\$\$\$\$	\$\$\$\$\$
HEADLIFT OPTIONS	- Davit - Hydraulic jack - Lugs only	- Spring assist - Hydraulic clam	- Horizontal sypris - Vertical sypris - Horizontal twinlock - Vertical twinlock
ADDITIONAL	- O-Ring elastomer - ANSI gasket	- O-Ring elastomer	- O-Ring elastomer

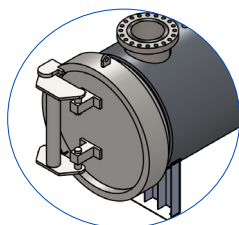
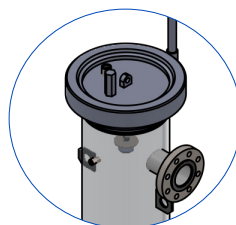
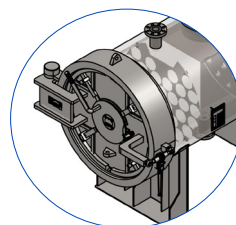
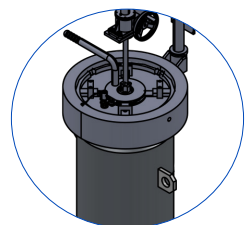
HEADLIFT OPTIONS

**DAVIT****HINGE****HYDRAULIC JACK**

FEATURES	- Standard offering - Cost effective	- Simple design - Cost effective - Compact design	- High load capacity - Compact design - Ease of use
COMPATIBLE CLOSURE	- Swing bolt - T-Bolt - Thru bolt - EZ closure	- Swing bolt - T-Bolt	- Swing bolt - T-Bolt - Thru bolt

**SPRING ASSIST****LUGS ONLY****HYDRAULIC CLAM**

FEATURES	- Compact design - Position control - Ease of use	- Cost effective - Compact design	- Manual operation - Compact design - Ease of use
COMPATIBLE CLOSURE	- Swing bolt - T-Bolt - EZ closure	- Swing bolt - T-Bolt - Thru bolt	- Swing bolt - T-Bolt - EZ closure

**HORIZONTAL
SYPRIS****VERTICAL
SYPRIS****HORIZONTAL
TWINLOCK****VERTICAL
TWINLOCK**

FEATURES	- Ease of use - Tool free - ASME code - Fast access	- Ease of use - Tool free - ASME code - Fast access	- Ease of use - Tool free - ASME code - Dual safety locking	- Ease of use - Tool free - ASME code - Dual safety locking
COMPATIBLE CLOSURE	- High Pressure QOC	- High Pressure QOC	- High Pressure QOC	- High Pressure QOC

NOMENCLATURE



	Davit	Hinge	Hydraulic Jack	Spring Assist	Lugs Only	Hydraulic Clam
Swing bolt	K01	K02	K03	K04	K05	K06
T-Bolt	K11	K12	K13	K14	K15	K16
Thru Bolt	K21	-	K23	-	K25	-
EZ Closure	-	-	-	K34	-	K36

	Horizontal Sypris	Vertical Sypris	Horizontal Twinlock	Vertical Twinlock
High Pressure QOC	K41	K42	K43	K44