

FX / EXTERNAL SEALING CONNECTION TOOL

External grip and seal connection tool that uses collets to grip threads or part feature for high pressures.

CONNECTS TO:

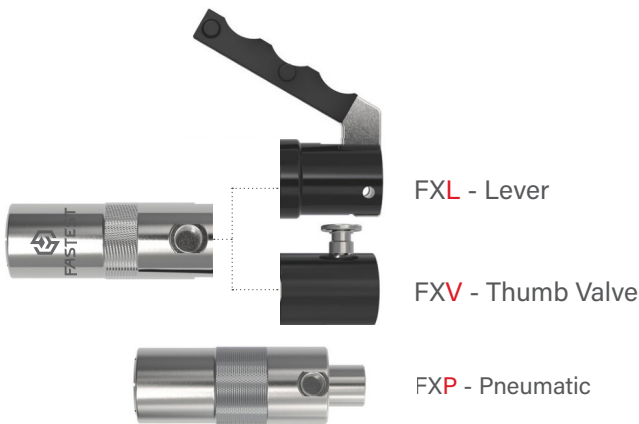


SPECIFICATIONS

Pressure Rating	Operating Temperatures	Materials of Construction
Vacuum to 5,000 psi (345 bar)	-40°F to +250°F (-40°C to +121°C)	Anodized Aluminum, Stainless Steel
Termination Port		Seal Material*
BSPP (G) or FNPT		Buna-N

* Additional seal material types available, consult factory.

ACTUATION OPTIONS



- 1 Pressure assisted grip and proprietary design locks the connector securely to the test part under pressure
- 2 Instant threaded sealing connection up to 5000 psig without tape sealant or wrenches - significantly reduces process time
- 3 Stainless steel collets provide maximum grip with minimum distortion of the test piece
- 4 Self aligning connector requires no operator adjustment
- 5 Three ergonomic modular operating methods - lever, thumb valve, and pneumatic (straight through port for remote operation ie. foot valve)

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FX / MODULAR DESIGN

FASMATE FX MODULAR DESIGN

The innovative modular design of the connectors allows the technician to change the method of actuation by simply unscrewing the rear portion of the connector and replacing it with the desired form of actuation.

This feature provides flexibility to accommodate changes in the manufacturing processes, production increases and operator use preference. An additional advantage is the ease of field service for these components should they become damaged or require maintenance.



LEVER

Simple, straight forward mechanical operation.



THUMB VALVE

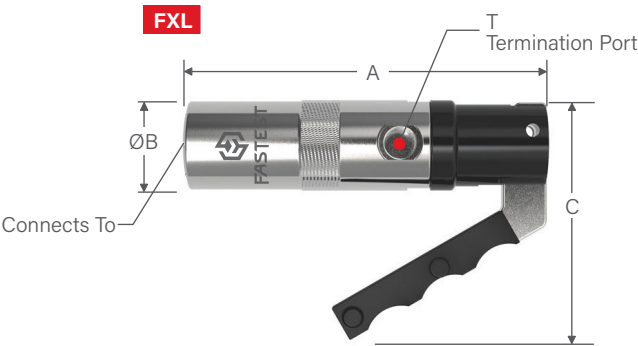
Easy, ergonomic thumb button. When depressed, allows insertion / removal of connector from port.



PNEUMATIC

Requires a separate air valve. Desired for applications that require freedom of movement of technician's hands.

FX / EXTERNAL SEALING CONNECTION TOOL / **NPT**



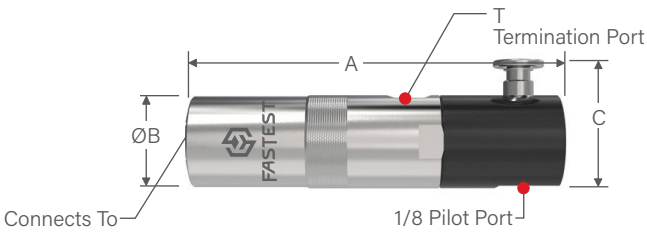
Ordering Information							
Connects To	FXL Part Number (with Lever)	FXV Part Number (with Thumb Valve)	FXP Part Number (with Pneumatic Pilot)	Replacement Seals Bulk Pack (5)	Rebuild Kit (FXL)	Rebuild Kit (FXV and FXP)	Pressure Rating

FasMate® FX NPT							
1/8 NPT	FXL021041	FXV021041	FXP021041	S1105B70	RFXL021	RFX021	5,000 psi (345 bar)
1/4 NPT	FXL041041	FXV041041	FXP041041	S1108B70	RFXL041	RFX041	
3/8 NPT	FXL061061	FXV061061	FXP061061	S1110B70	RFXL061	RFX061	
1/2 NPT	FXL081061	FXV081061	FXP081061	S1112B70	RFXL081	RFX081	

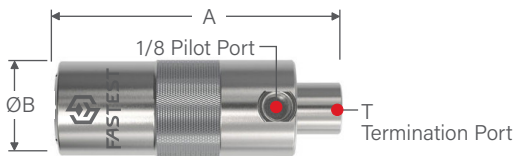
FasMate® FX NPT Thin Walled Pipe							
3/8 NPT	FXL061061PT	FXV061061PT	FXP061061PT	METB06PR	RFXL061PT	RFX061PT	750 psi (51 bar)
1/2 NPT	FXL081061PT	FXV081061PT	FXP081061PT	SFX081PT	RFXL081PT	RFX081PT	

Port Specifications: NPT per SAE J476 or ANSI B1.20

FXV



FXP

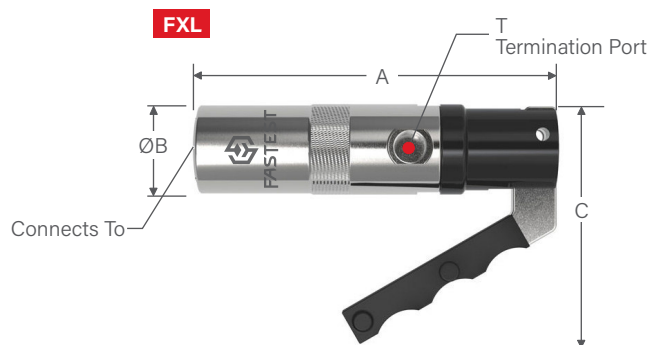


Dimensions						
A (FXL)	A (FXV)	A (FXP)	B	C (FXL)	C (FXV)	T
5.25 (133.4)	5.04 (128.0)	3.78 (96.0)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.27 (133.9)	5.04 (128.0)	3.80 (96.5)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.44 (138.2)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.45 (138.4)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	
5.44 (138.2)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.45 (138.4)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT

Dimensions: inch (mm)
Pressure Rating: psi (bar)



FX / EXTERNAL SEALING CONNECTION TOOL / BSPP (G) / BSPT / SAE



Ordering Information

Connects To	FXL Part Number (with Lever)	FXV Part Number (with Thumb Valve)	FXP Part Number (with Pneumatic Pilot)	Replacement Seals Pack (5)	Rebuild Kit (FXL)	Rebuild Kit (FXV and FXP)	Pressure Rating
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FasMate® FX | BSPP (G)

1/8 BSPP (G)	FXL025041	FXV025041	FXP025041	S1105B70	RFXL021	RFX021	5,000 psi (345 bar)
1/4 BSPP (G)	FXL045041	FXV045041	FXP045041	S1108B70	RFXL041	RFX041	
3/8 BSPP (G)	FXL065061	FXV065061	FXP065061	S1110B70	RFXL061	RFX061	
1/2 BSPP (G)	FXL085061	FXV085061	FXP085061	S1112B70	RFXL081	RFX081	

FasMate® FX | BSPT

1/8 BSPT	FXL025T041	FXV025T041	FXP025T041	S1105B70	RFXL021	RFX021	5,000 psi (345 bar)
1/4 BSPT	FXL045T041	FXV045T041	FXP045T041	S1108B70	RFXL041	RFX041	
3/8 BSPT	FXL065T061	FXV065T061	FXP065T061	S1110B70	RFXL061	RFX061	
1/2 BSPT	FXL085T061	FXV085T061	FXP085T061	S1112B70	RFXL081	RFX081	

FasMate® FX | SAE 37° Flare

-4 [7/16-20]	FXL049041	FXV049041	FXP049041	S20700270B70	RFXL049	RFX049	5,000 psi (345 bar)
-5 [1/2-20]	FXL059041	FXV059041	FXP059041	S20700334B70	RFXL059	RFX059	
-6 [9/16-18]	FXL069041	FXV069041	FXP069041	S1012B70	RFXL069	RFX069	
-8 [3/4-16]	FXL089061	FXV089061	FXP089061	S1015B70	RFXL089	RFX089	

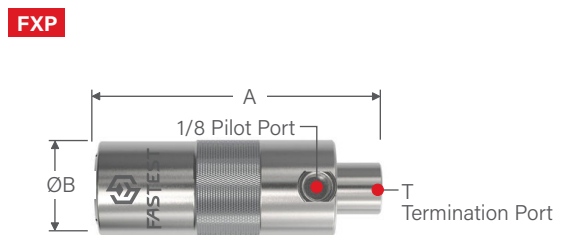
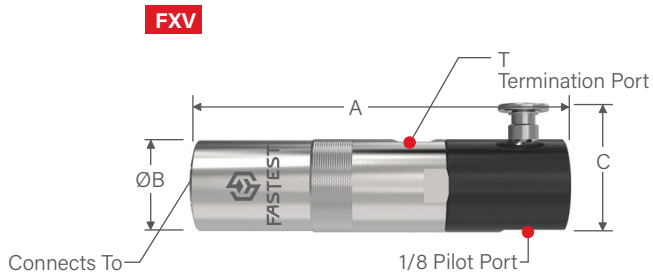
FasMate® FX | SAE 45° Flare

-4 [7/16-20]	FXL04A041	FXV04A041	FXP04A041	S20600246B70	RFXL04A	RFX04A	5,000 psi (345 bar)
-5 [1/2-20]	FXL05A041	FXV05A041	FXP05A041	S1011B70	RFXL05A	RFX05A	
-6 [5/8-18]	FXL06A061	FXV06A061	FXP06A061	S1012B70	RFXL06A	RFX06A	
-8 [3/4-16]	FXL08A061	FXV08A061	FXP08A061	S1014B70	RFXL08A	RFX08A	

FasMate® FX | SAE O-Ring Face Seal

-4 [9/16-18]	FXL009041	FXV009041	FXP009041	S1020U70	RFXL009	RFX009	5,000 psi (345 bar)
-6 [11/16-16]	FXL011061	FXV011061	FXP011061	S1023U70	RFXL011	RFX011	
-8 [13/16-16]	FXL013061	FXV013061	FXP013061	S1023U70	RFXL013	RFX013	

Port Specifications: BSPP (G) per ISO 228 or BS 2279; BSPT per ISO 7 or BS 21; SAE 37° Flare per SAE J514 or ISO 12151-5; SAE 45° Flare per SAE J512 or J513; SAE O-Ring Face Seal per SAE J1453



Dimensions						
A (FXL)	A (FXV)	A (FXP)	B	C (FXL)	C (FXV)	T
5.25 (133.4)	5.04 (128.0)	3.78 (96.0)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.27 (133.9)	5.04 (128.0)	3.80 (96.5)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.44 (138.2)	5.22 (132.6)	3.87 (98.3)	1.26 (32.0)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.45 (138.4)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	
5.25 (133.4)	5.04 (128.0)	3.78 (96.0)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.27 (133.9)	5.04 (128.0)	3.80 (96.5)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.44 (138.2)	5.22 (132.6)	3.87 (98.3)	1.26 (32.0)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.45 (138.4)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.45 (138.4)	5.22 (132.6)	3.87 (98.3)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	
5.36 (136.1)	5.13 (130.3)	3.77 (95.6)	1.48 (37.6)	3.45 (87.6)	1.87 (47.5)	
5.51 (140.0)	5.28 (134.1)	3.92 (99.6)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.25 (133.4)	5.04 (128.0)	3.77 (95.6)	1.26 (32.0)	3.45 (87.6)	1.77 (45.0)	1/4 NPT
5.36 (136.1)	5.13 (130.3)	3.77 (95.6)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	3/8 NPT
5.56 (141.2)	5.33 (135.4)	3.97 (100.8)	1.48 (37.6)	3.57 (90.7)	1.87 (47.5)	

Dimensions: inch (mm)
Pressure Rating: psi (bar)



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