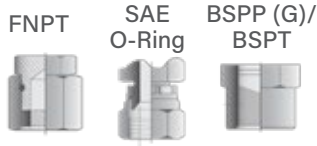


MIT / INTERNAL CONNECTIONS

Manual twist sealing connection tool for internal threaded ports.

CONNECTS TO:



SPECIFICATIONS

Pressure Rating	Operating Temperatures	Materials of Construction
Vacuum to 10,000 psi (689 bar)	-40°F to +200°F (-40°C to +93°C)	Stainless Steel
Termination Port		Seal Material*
NPT, SAE 37° Flare		Urethane, Neoprene, or Buna-N

*Additional seal material types available, consult factory.

ACTUATION METHOD

Manual Twist: Finger-tight connection eliminates tape and sealants

ICON™ TECHNOLOGY

Consult Factory

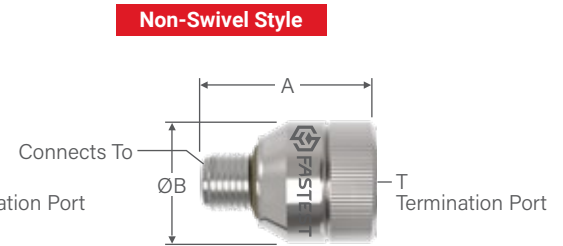
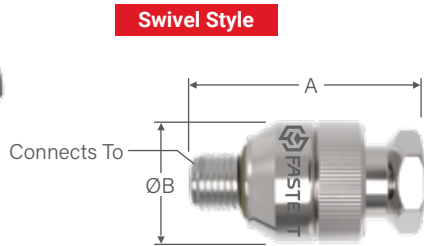
ACCESSORIES

Visit fastestinc.com

- 1 Pressure assisted sealing eliminates leaks and resists movement under pressure
- 2 Leak-tight seal prevents contamination of media and reduces scrap and test damage
- 3 Available in flow or plug versions
- 4 Quick and easy seal replacement to minimize down time, maintenance, and tool inventory

MIT / INTERNAL CONNECTIONS / NPT

Swivel Style
Non-Swivel Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**

NPT | Swivel Style

1/8 NPT	MIT022021	S1109U70	MITR020	5000 (345)	1.68 (42.7)	0.82 (20.8)	1/8 NPT
1/4 NPT	MIT042041	S1111U70	MITR040		1.88 (42.8)	1.00 (25.4)	1/4 NPT
3/8 NPT	MIT062061	S1113U70	MITR060	4000 (276)	2.09 (53.1)	1.18 (30.0)	3/8 NPT
1/2 NPT	MIT082081	S1209U70	MITR080		2.57 (65.3)	1.36 (34.5)	1/2 NPT
3/4 NPT	MIT122121	S1213U70	MITR120		2.73 (69.3)	1.68 (42.7)	3/4 NPT
1 NPT	MIT162161	S1216U70	MITR160	3000 (207)	3.27 (83.1)	2.00 (50.8)	1 NPT
1 ¼ NPT	MIT202201	S1222U70	MITR200		3.29 (83.6)	2.38 (60.5)	1 ¼ NPT
1 ½ NPT	MIT242241	S1327U70	MITR240		3.73 (94.7)	3.73 (94.7)	1 ½ NPT

NPT | Non-Swivel Style

1/8 NPT	MIT022021X	S1109U70	MITR02	5000 (345)	1.18 (30.0)	0.82 (20.8)	1/8 NPT
1/4 NPT	MIT042041X	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	1/4 NPT
3/8 NPT	MIT062061X	S1113U70	MITR06	4000 (276)	1.48 (37.6)	1.18 (30.0)	3/8 NPT
1/2 NPT	MIT082081X	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	1/2 NPT
3/4 NPT	MIT122121X	S1213U70	MITR12	4000 (276)	1.94 (49.3)	1.68 (42.7)	3/4 NPT
1 NPT	MIT162161X	S1216U70	MITR16		2.07 (52.6)	2.00 (50.8)	1 NPT
1-1/4 NPT	MIT202201X	S1222U70	MITR20	4000 (276)	2.13 (54.1)	2.38 (60.5)	1 ¼ NPT
1-1/2 NPT	MIT242241X	S1327U70	MITR24	3000 (207)	2.40 (61.0)	2.74 (69.6)	1 ½ NPT
2 NPT	MIT322161X	S1331U70	MITR32	2500 (172)	2.68 (68.1)	3.47 (88.1)	1 NPT
2-1/2 NPT	MIT402161X	S1335U70	MITR40	1500 (103)	3.42 (88.9)	3.97 (100.8)	1 NPT
3 NPT	MIT482161X	S1340U70	MITR48	1500 (103)	3.68 (93.5)	4.73 (120.1)	1 NPT
4 NPT	MIT642161X	S1348U70	MITR64	1000 (69)	3.68 (93.5)	5.73 (145.5)	1 NPT

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

*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MIT022021XV = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

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

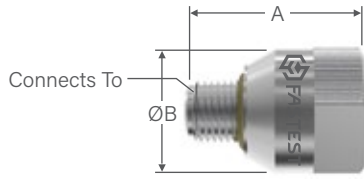


DON'T SEE A SOLUTION FOR YOUR APPLICATION? Submit a custom application form and drawing to fastsales@fastestinc.com or to your local distributor.

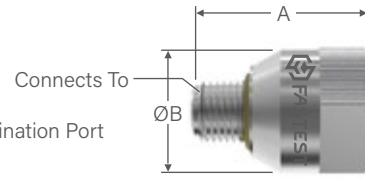
MIT / INTERNAL CONNECTIONS / NPT (HIGH PRESSURE <10,000 PSI)



Non-Swivel Style



Plug Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**

NPT | Non-Swivel Style for High Pressure

1/8 NPT	MITH022021X	S1109U70	MITR02	10000 (689)	1.24 (31.5)	0.82 (20.8)	1/8 NPT
1/4 NPT	MITH042041X	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	1/4 NPT
3/8 NPT	MITH062061X	S1113U70	MITR06	10000 (689)	1.48 (37.6)	1.18 (30.0)	3/8 NPT
1/2 NPT	MITH082081X	S1209U70	MITR08	8000 (552)	1.85 (47.0)	1.36 (34.5)	1/2 NPT
3/4 NPT	MITH122121X	S1213U70	MITR12	7500 (517)	1.94 (49.3)	1.68 (42.7)	3/4 NPT
1 NPT	MITH162161X	S1216U70	MITR16	6500 (448)	2.07 (52.6)	2.00 (50.8)	1 NPT

NPT | Plug Style

1/8 NPT	MIT022P	S1109U70	MITR02	5000 (345)	1.24 (31.5)	0.82 (21.8)	N/A (Plug Style No Termination Port)
1/4 NPT	MIT042P	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	
3/8 NPT	MIT062P	S1113U70	MITR06	4000 (276)	1.48 (37.6)	1.18 (30.0)	
1/2 NPT	MIT082P	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	
3/4 NPT	MIT122P	S1213U70	MITR12		1.94 (49.3)	1.68 (42.7)	
1 NPT	MIT162P	S1216U70	MITR16		2.07 (52.6)	2.00 (50.8)	
1 ¼ NPT	MIT202P	S1222U70	MITR20	3000 (207)	2.13 (54.1)	2.38 (60.5)	
1 ½ NPT	MIT242P	S1327U70	MITR24		2.40 (61.0)	2.74 (69.6)	
2 NPT	MIT322P	S1331U70	MITR32	2500 (172)	2.68 (68.1)	3.47 (88.1)	
2 ½" NPT	MIT402P	S1335U70	MITR40	1500 (103)	3.42 (88.9)	3.97 (100.8)	
3 NPT	MIT482P	S1340U70	MITR48		3.68 (93.5)	4.73 (120.1)	
4 NPT	MIT642P	S1348U70	MITR64	1000 (69)	3.68 (93.5)	5.73 (145.5)	

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

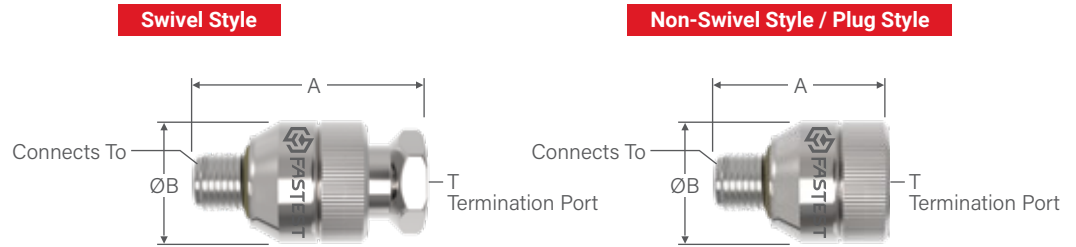
*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MITH022021XV = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

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

MIT / INTERNAL CONNECTIONS / BSPP (G)

Swivel Style
Non-Swivel Style
Plug Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**
BSPP (G) Swivel Style							
1/8 BSPP (G)	MIT026021	S1109U70	MITR020	5000 (345)	1.66 (42.2)	0.82 (20.8)	1/8 FNPT
1/4 BSPP (G)	MIT046041	S1111U70	MITR040		1.83 (46.5)	1.00 (25.4)	1/4 FNPT
3/8 BSPP (G)	MIT066061	S1113U70	MITR060	4000 (276)	2.10 (53.4)	1.18 (30.0)	3/8 FNPT
1/2 BSPP (G)	MIT086081	S1209U70	MITR080		2.55 (64.8)	1.36 (34.5)	1/2 FNPT
BSPP (G) Non-Swivel Style							
1/8 BSPP (G)	MIT026021X	S1109U70	MITR02	5000 (345)	1.20 (30.5)	0.82 (20.8)	1/8 FNPT
1/4 BSPP (G)	MIT046041X	S1111U70	MITR04		1.36 (34.5)	1.00 (25.4)	1/4 FNPT
3/8 BSPP (G)	MIT066061X	S1113U70	MITR06	4000 (276)	1.50 (38.1)	1.18 (30.0)	3/8 FNPT
1/2 BSPP (G)	MIT086081X	S1209U70	MITR08		1.83 (46.5)	1.36 (34.5)	1/2 FNPT
3/4 BSPP (G)	MIT126121X	S1213U70	MITR12		1.94 (49.3)	1.68 (42.7)	3/4 FNPT
1 BSPP (G)	MIT166161X	S1216U70	MITR16		2.07 (52.6)	2.07 (52.6)	1 FNPT
BSPP (G) Plug Style							
1/8 BSPP (G)	MIT026P	S1109U70	MITR02	5000 (345)	1.24 (31.5)	0.82 (20.8)	N/A (Plug Style No Termination Port)
1/4 BSPP (G)	MIT046P	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	
3/8 BSPP (G)	MIT066P	S1113U70	MITR06	4000 (276)	1.48 (37.6)	1.18 (30.0)	
1/2 BSPP (G)	MIT086P	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	
3/4 BSPP (G)	MIT126P	S1213U70	MITR12		1.90 (48.3)	1.68 (42.7)	
1 BSPP (G)	MIT166P	S1216U70	MITR16		2.36 (59.9)	2.07 (52.6)	

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

*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MIT026021V = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

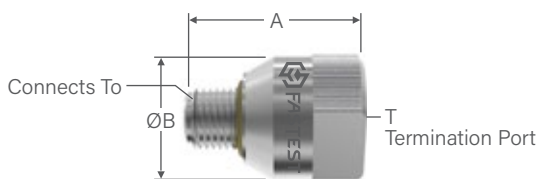
Port Specifications: BSPP (G) per ISO 228 or BS2779



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Non-Swivel Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**

SAE ORB | Non-Swivel Style

-3 [3/8-24]	MIT034021X	S1109U70	MITR02	5000 (345)	1.29 (32.8)	0.82 (21.8)	1/8 FNPT
-4 [7/16-20]	MIT044021X				1.29 (32.8)	0.82 (21.8)	1/8 FNPT
-5 [1/2-20]	MIT054041X	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	1/4 FNPT
-6 [9/16-18]	MIT064041X				1.41 (35.8)	1.00 (25.4)	1/4 FNPT
-8 [3/4-16]	MIT084081X	S1209U70	MITR08	4000 (276)	1.85 (47.0)	1.36 (34.5)	1/2 FNPT
-10 [7/8-14]	MIT104081X				1.85 (47.0)	1.36 (34.5)	1/2 FNPT
-12 [1 1/16-12]	MIT124121X	S1213U70	MITR12		1.94 (49.3)	1.68 (42.7)	3/4 FNPT
-14 [1 3/16-12]	MIT144161X	S1216U70	MITR16		2.13 (54.1)	2.00 (50.8)	1 FNPT
-16 [1 5/16-12]	MIT164161X	S1217U70	MITR16		2.13 (54.1)	2.00 (50.8)	1 FNPT
-20 [1 5/8-12]	MIT204201X	S1222U70	MITR20		2.13 (54.1)	2.38 (60.5)	1 1/4 FNPT

SAE ORB | Non-Swivel Style for High Pressure

-4 [7/16-20]	MITH044021X	S1109U70	MITR02	10000 (689)	1.29 (32.8)	0.82 (21.8)	1/8 FNPT
-6 [9/16-18]	MITH064041X	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	1/4 FNPT
-8 [3/4-16]	MITH084081X	S1209U70	MITR08	8000 (552)	1.85 (47.0)	1.36 (34.5)	1/2 FNPT
-10 [7/8-14]	MITH104081X			7500 (517)	1.85 (47.0)	1.36 (34.5)	1/2 FNPT
-12 [1 1/16-12]	MITH124121X	S1213U70	MITR12	7000 (483)	1.94 (49.3)	1.68 (42.7)	3/4 FNPT
-14 [1 3/16-12]	MITH144161X	S1216U70	MITR16		2.13 (54.1)	2.00 (50.8)	1 FNPT
-16 [1 5/16-12]	MITH164161X	S1217U70	MITR16		2.13 (54.1)	2.00 (50.8)	1 FNPT

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

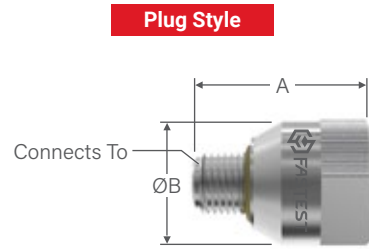
*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MIT034021XV = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

Port Specifications: SAE ORB per SAE J1926 or ISO 11926

MIT / INTERNAL CONNECTIONS / SAE ORB

Plug Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T
SAE ORB Plug Style							
-4 [7/16-20]	MIT044P	S1109U70	MITR02	5000 (345)	1.29 (32.8)	0.82 (21.8)	N/A (Plug Style No Termination Port)
-5 [1/2-20]	MIT054P	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	
-6 [9/16-18]	MIT064P	S1111U70	MITR04		1.41 (35.8)	1.00 (25.4)	
-8 [3/4-16]	MIT084P	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	
-10 [7/8-14]	MIT104P	S1209U70	MITR08	4000 (276)	1.94 (49.3)	1.68 (42.7)	
-12 [1 1/16-20]	MIT124P	S1213U70	MITR12		1.29 (32.8)	0.82 (21.8)	
-14 [1 3/16-12]	MIT144P	S1216U70	MITR16		2.13 (54.1)	2.00 (50.8)	
-16 [1 5/16-12]	MIT164P	S1217U70	MITR16		2.13 (54.1)	2.00 (50.8)	
-20 [1 5/8-12]	MIT204P	S1222U70	MITR20		2.13 (54.1)	2.38 (60.5)	

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

*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MIT044PV = FKM

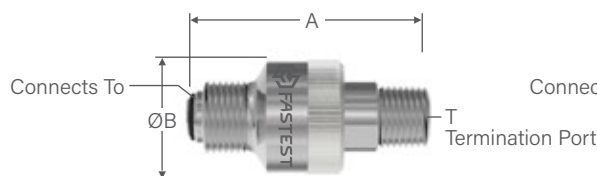
Port Specifications: SAE ORB per SAE J1926 or ISO 11926



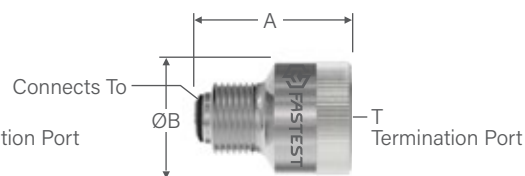
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Swivel Style



Plug Style



Ordering Information					Dimensions		
Connects To	Part Number*	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**

SAE 37° FLARE | Swivel Style

-4 [7/16-20]	MITH040022	S20540158B70	METRO2	10000 (689)	2.11 (53.6)	0.80 (20.3)	1/8 NPTF
-6 [9/16-18]	MITH060042	S20640239B70	METRO4		2.36 (59.9)	0.97 (24.6)	1/4 NPTF
-8 [3/4-16]	MITH080062	S1012B70	METRO6	8000 (552)	2.54 (64.5)	1.18 (30.0)	3/8 NPTF
-10 [7/8-14]	MITH100082	S1013B70	METRO8	7500 (517)	2.94 (76.7)	1.38 (35.1)	1/2 NPTF
-12 [1 1/16-12]	MITH120122	S20700583B70	METR12	7500 (517)	3.30 (83.8)	1.72 (43.7)	3/4 NPTF
-16 [1 5/16-12]	MITH160162	S20800796B70	METR16	7000 (483)	3.77 (95.8)	2.13 (54.1)	1 NPTF

SAE 37° FLARE | Plug Style

-4 [7/16-20]	MITH040P	S20540158B70	METRO2	10000 (689)	1.42 (36.1)	0.80 (20.3)	N/A (Plug Style No Termination Port)
-6 [9/16-18]	MITH060P	S20640239B70	METRO4		1.51 (38.4)	0.97 (24.6)	
-8 [3/4-16]	MITH080P	S1012B70	METRO6	8000 (552)	1.65 (41.9)	1.18 (30.0)	
-10 [7/8-14]	MITH100P	S1013B70	METRO8	7500 (517)	1.86 (47.2)	1.38 (35.1)	
-12 [1 1/16-12]	MITH120P	S20700583B70	METR12	7500 (517)	2.03 (51.6)	1.72 (43.7)	
-16 [1 5/16-12]	MITH160P	S20800796B70	METR16	7000 (483)	2.29 (58.2)	2.13 (54.1)	

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

*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MITH040022V = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

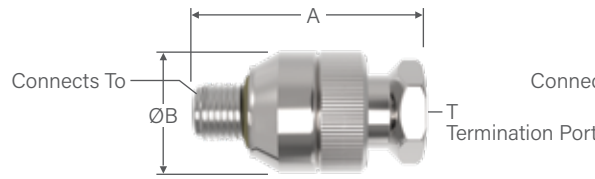
Port Specifications: SAE 37° FLARE per SAE J514

MIT / INTERNAL CONNECTIONS / ISO O-RING METRIC

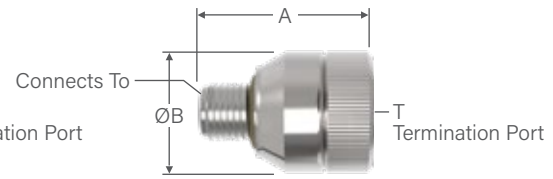
Swivel Style
Non-Swivel Style
Plug Style



Swivel Style



Non-Swivel Style / Plug Style



Ordering Information					Dimensions		
Connects To	Part Number	Replacement Seals Bulk Pack (5)	Rebuild Kit	Pressure Rating	A	B	T**

ISO O-Ring Metric | Swivel Style

M10 x 1.0	MIT108021	S1109U70	MITR020	4000 (276)	1.76 (44.7)	0.82 (21.8)	1/8 FNPT
M12 x 1.5	MIT128041	S1110U70	MITR040		1.95 (49.5)	1.00 (25.4)	1/8 FNPT
M14 x 1.5	MIT148041	S1111U70	MITR040		1.84 (46.7)	1.00 (25.4)	1/4 FNPT
M16 x 1.5	MIT168061	S1113U70	MITR060		2.11 (53.6)	1.18 (30.0)	3/8 FNPT
M18 x 1.5	MIT188061	S1114U70	MITR060		2.16 (54.9)	1.18 (30.0)	3/8 FNPT
M20 x 1.5	MIT208081	S1209U70	MITR080		2.57 (65.3)	1.36 (34.5)	1/2 FNPT
M22 x 1.5	MIT228081	S1116U70	MITR080		2.55 (64.8)	1.37 (34.8)	1/2 FNPT

ISO O-Ring Metric | Non-Swivel Style

M10 x 1.0	MIT108021X	S1109U70	MITR02	5000 (345)	1.30 (33.0)	0.82 (21.8)	1/8 FNPT
M12 x 1.5	MIT128041X	S1110U70	MITR04		1.37 (34.8)	1.00 (25.4)	1/4 FNPT
M14 x 1.5	MIT148041X	S1111U70	MITR04		1.37 (34.8)	1.00 (25.4)	1/4 FNPT
M16 x 1.5	MIT168061X	S1113U70	MITR06	4000 (276)	1.50 (38.1)	1.18 (30.0)	3/8 FNPT
M18 x 1.5	MIT188061X	S1114U70	MITR06		1.56 (39.6)	1.18 (30.0)	3/8 FNPT
M20 x 1.5	MIT208081X	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	1/2 FNPT
M22 x 1.5	MIT228081X	S1116U70	MITR08		1.85 (47.0)	1.36 (34.5)	1/2 FNPT

ISO O-Ring Metric | Plug Style

M10 x 1.0	MIT108P	S1109U70	MITR02	5000 (345)	1.29 (32.8)	0.82 (21.8)	N/A (Plug Style No Termination Port)
M12 x 1.5	MIT128P	S1111U70	MITR04		1.37 (34.8)	1.00 (25.4)	
M14 x 1.5	MIT148P	S1113U70	MITR06		1.37 (34.8)	1.00 (25.4)	
M16 x 1.5	MIT168P	S1209U70	MITR08	4000 (276)	1.50 (38.1)	1.18 (30.0)	
M18 x 1.5	MIT188P	S1213U70	MITR12		1.56 (39.6)	1.31 (33.3)	
M20 x 1.5	MIT208P	S1209U70	MITR08		1.85 (47.0)	1.36 (34.5)	
M22 x 1.5	MIT228P	S1216U70	MITR16		1.82 (46.2)	1.37 (34.8)	

Dimensions: inch (mm)

Pressure Rating: psi (bar)

*Optional seal materials include V = FKM, E = EPDM, and B = Buna-N - Example: MIT108021V = FKM

**Other terminations in metric / BSPP may be available. Contact factory.

Port Specifications: ISO O-RING METRIC per ISO 6149 or SAE J2244



DON'T SEE A SOLUTION FOR YOUR APPLICATION? Submit a custom application form and drawing to fastsales@fastestinc.com or to your local distributor.