

Features

1. Construction - Two piece body and nut, straight barstock & forged fittings.
2. Good Vibration resistance - use long nut when greater vibration resistance is required.
3. Conformance - Heavy duty flare fittings are manufactured to SAE specifications
Meets specifications and standards of ASA, ASME, SAE, and MS (Military standards).
4. Reusability - Can be assembled & re-assembled repeatedly & Resists mechanical pull-out.



Specification

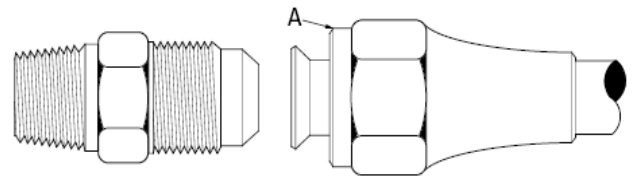
1. Temperature Range: -65°F to +250°F (-53°C to +121°C) range at maximum operating pressures.
2. Working Pressure: up to 2000 psi depending on tube size. Will withstand burst pressure of standard tubing - up to 5000 psi with Bundy-weld (double flared) and 3500 psi with copper tubing, depending on size. Obviously, Temperature and type of tubing used are important factors.

Applications

LP and natural gas, flammable liquids, instrumentation, refrigeration, power steering, hydraulic and pneumatic systems. Used on low, medium and high pressure lines under the most adverse conditions, compatible with copper, brass, aluminum and steel hydraulic tubing that can be flared.

Installation Instructions

1. Cut tubing to desired length. Make sure all burrs are removed and ends are cut square.
2. Slide nut on tube. Threaded and "A" of nut must face out.
3. Flare end of tube with a 45° flaring tool. **a)** Measure flare diameter
b) Examine flare for excessive thin out.
4. Lubricate threads and assemble to fitting body. Nut should be turned hand out.
5. Tighten assembly with wrench until a solid feeling is encountered. From that point, apply a one-sixth turn.



Nomenclature

Model Number **F48 - 06 02**

Material

- B-Brass (default)
- S-Steel (suffix)
- SS-Stainless Steel (suffix)
- B-Barstock (Prefix)

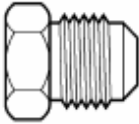

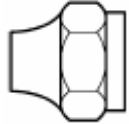
Contact us for special size or configuration.

Tube Dia		Thread			
Metric(M)	Inch	BSPT(R)	BSPP(G)	NPT(NPTF)	UNF(TUBE)
M04=4mm	02=1/8"	M03=M3x0.5	G02=G 1/8	02=NPT 1/8	U02=DASH 1/8
M06=6mm	03=3/16"	M05=M5x0.8	G04=G 1/4	04=NPT 1/4	U04=DASH 1/4
M08=8mm	04=1/4"	R02=R 1/8	G06=G 3/8	06=NPT 3/8	U06=DASH 3/8
M10=10mm	05=5/16"	R04=R 1/4	G08=G 1/2	08=NPT 1/2	U08=DASH 1/2
M12=12mm	06=3/8"	R06=R 3/8
M14=14mm	08=1/2"	R08=R 1/2	Prefix	Default	Prefix
.....	Different type end has its own UNF thread, Please see thread chart for details or as below		
Prefix	Default	Prefix	catalogue only show NPT & UNF		

catalogue only show inch size

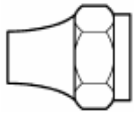
catalogue only show NPT & UNF

Tube ΦD	2	3	4	5	6	7	8	10	12
UNF Thread	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-16	3/4-16	7/8-14	11/16-14

F39 SAE Flare Plug			F40 SAE Flare Cap			F41 Short Flare Nut		
(SAE 010109)	PART#	ΦD		PART#	ΦD	(SAE 010110)	PART#	ΦD
	F39-03	3/16		F40-03	3/16		F41-02	1/8
	F39-04	1/4		F40-04	1/4		F41-03	3/16
	F39-05	5/16		F40-05	5/16		F41-04	1/4
	F39-06	3/8		F40-06	3/8		F41-05	5/16
	F39-08	1/2		F40-08	1/2		F41-06	3/8
	F39-10	5/8		F40-10	5/8		F41-08	1/2
	F39-12	3/4		F40-12	3/4		F41-10	5/8
							F41-12	3/4
							F41-14	7/8

F41L

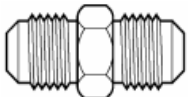
Long Flare Nut
(SAE 010111)



PART#	ΦD
F41L-02	1/8
F41L-03	3/16
F41L-04	1/4
F41L-05	5/16
F41L-06	3/8
F41L-08	1/2
F41L-10	5/8
F41L-12	3/4

F42

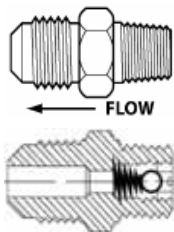
Tube Union
(SAE 010101)



PART#	ΦD	ΦD
F42-0202	1/8	1/8
F42-0303	3/16	3/16
F42-0404	1/4	1/4
F42-0504	5/16	1/4
F42-0505	5/16	5/16
F42-0604	3/8	1/4
F42-0605	3/8	5/16
F42-0606	3/8	3/8
F42-0804	1/2	1/4
F42-0806	1/2	3/8
F42-0808	1/2	1/2
F42-1006	5/8	3/8
F42-1008	5/8	1/2
F42-1010	5/8	5/8
F42-1208	3/4	1/2
F42-1210	3/4	5/8
F42-1212	3/4	3/4
F42-1414	7/8	7/8

F43

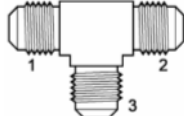
Check Valve (Male Pipe)



PART#	ΦD	T
F43-0402	1/4	1/8
F43-0604	3/8	1/4

F44

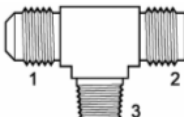
Union Tee
(SAE 010401)



PART#	ΦD1	ΦD2	ΦD3
F44-020202	1/8	1/8	1/8
F44-030303	3/16	3/16	3/16
F44-040404	1/4	1/4	1/4
F44-050505	5/16	5/16	5/16
F44-060406	3/8	1/4	3/8
F44-060606	3/8	3/8	3/8
F44-060608	3/8	3/8	1/2
F44-060610	3/8	3/8	5/8
F44-080806	1/2	1/2	3/8
F44-080808	1/2	1/2	1/2
F44-100606	5/8	3/8	3/8
F44-100806	5/8	1/2	3/8
F44-101006	5/8	5/8	3/8
F44-101010	5/8	5/8	5/8
F44-121212	3/4	3/4	3/4

F45

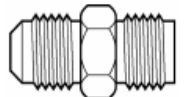
Male Pipe Branch Tee
(SAE 010425)



PART#	ΦD1	ΦD2	T3
F45-030302	3/16	3/16	1/8
F45-040402	1/4	1/4	1/8
F45-040404	1/4	1/4	1/4
F45-050502	5/16	5/16	1/8
F45-050504	5/16	5/16	1/4
F45-060602	3/8	3/8	1/8
F45-060604	3/8	3/8	1/4
F45-060606	3/8	3/8	3/8
F45-080806	1/2	1/2	3/8
F45-080808	1/2	1/2	1/2
F45-121212	3/4	3/4	3/4

F42I

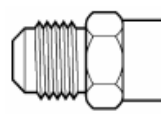
Inverted Flare Adapter



PART#	ΦD	ΦD
F42I-0403	1/4	3/16
F42I-0404	1/4	1/4
F42I-0605	3/8	5/16
F42I-0606	3/8	3/8

F46

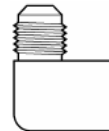
Female Pipe
(SAE 010103)



PART#	ΦD	T
F46-0202	1/8	1/8
F46-0302	3/16	1/8
F46-0402	1/4	1/8
F46-0404	1/4	1/4
F46-0406	1/4	3/8
F46-0408	1/4	1/2
F46-0502	5/16	1/8
F46-0504	5/16	1/4
F46-0602	3/8	1/8
F46-0604	3/8	1/4
F46-0606	3/8	3/8
F46-0608	3/8	1/2
F46-0612	3/8	3/4
F46-0804	1/2	1/4
F46-0806	1/2	3/8
F46-0808	1/2	1/2
F46-0812	1/2	3/4
F46-1006	5/8	3/8
F46-1008	5/8	1/2
F46-1012	5/8	3/4
F46-1208	3/4	1/2
F46-1212	3/4	3/4
F46-1412	7/8	3/4

F50

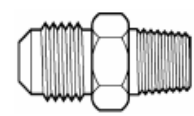
Female Pipe 90° Elbow
(SAE 010102)



PART#	ΦD	T
F50-0302	3/16	1/8
F50-0402	1/4	1/8
F50-0404	1/4	1/4
F50-0F502	5/16	1/8
F50-0F504	5/16	1/4
F50-0602	3/8	1/8
F50-0604	3/8	1/4
F50-0606	3/8	3/8
F50-0608	3/8	1/2
F50-0804	1/2	1/4
F50-0806	1/2	3/8
F50-0808	1/2	1/2
F50-0812	1/2	3/4
F50-1006	5/8	3/8
F50-1008	5/8	1/2
F50-1012	5/8	3/4
F50-1208	3/4	1/2
F50-1212	3/4	3/4
F50-1412	7/8	3/4

F48

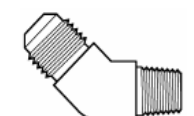
Male Pipe
(SAE 010102)



PART#	ΦD	T
F48-0202	1/8	1/8
F48-0302	3/16	1/8
F48-0402	1/4	1/8
F48-0404	1/4	1/4
F48-0406	1/4	3/8
F48-0408	1/4	1/2
F48-0502	5/16	1/8
F48-0504	5/16	1/4
F48-0506	5/16	3/8
F48-0508	5/16	1/2
F48-0602	3/8	1/8
F48-0604	3/8	1/4
F48-0606	3/8	3/8
F48-0608	3/8	1/2
F48-0612	3/8	3/4
F48-0804	1/2	1/4
F48-0806	1/2	3/8
F48-0808	1/2	1/2
F48-0812	1/2	3/4
F48-1004	5/8	1/4
F48-1006	5/8	3/8
F48-1008	5/8	1/2
F48-1012	5/8	3/4
F48-1208	3/4	1/2
F48-1212	3/4	3/4

F54

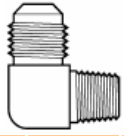
Male Pipe 45° Elbow
(SAE 010302)



PART#	ΦD	T
F54-0402	1/4	1/8
F54-0404	1/4	1/4
F54-0502	5/16	1/8
F54-0504	5/16	1/4
F54-0604	3/8	1/4
F54-0606	3/8	3/8
F54-0608	3/8	1/2
F54-0806	1/2	3/8
F54-0808	1/2	1/2
F54-1006	5/8	3/8
F54-1008	5/8	1/2
F54-1208	3/4	1/2
F54-1212	3/4	3/4

F49

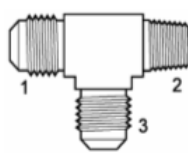
Male Pipe 90° Elbow
(SAE 010202)



PART#	ΦD	T
F49-0202	1/8	1/8
F49-0302	3/16	1/8
F49-0402	1/4	1/8
F49-0404	1/4	1/4
F49-0406	1/4	3/8
F49-0408	1/4	1/2
F49-0502	5/16	1/8
F49-0504	5/16	1/4
F49-0506	5/16	3/8
F49-0602	3/8	1/8
F49-0604	3/8	1/4
F49-0606	3/8	3/8
F49-0608	3/8	1/2
F49-0704	7/16	1/4
F49-0804	1/2	1/4
F49-0806	1/2	3/8
F49-0808	1/2	1/2
F49-0812	1/2	3/4
F49-1004	5/8	1/4
F49-1006	5/8	3/8
F49-1008	5/8	1/2
F49-1012	5/8	3/4
F49-1208	3/4	1/2
F49-1212	3/4	3/4
F49-1412	7/8	3/4

F51

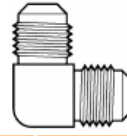
Male Pipe Run Tee
(SAE 010424)



PART#	ΦD ₁	T ₂	ΦD ₃
F51-030203	3/16	1/8	3/16
F51-040204	1/4	1/8	1/4
F51-040404	1/4	1/4	1/4
F51-050205	5/16	1/8	5/16
F51-050405	5/16	1/4	5/16
F51-060406	3/8	1/4	3/8
F51-060606	3/8	3/8	3/8
F51-060806	3/8	1/2	3/8
F51-080608	1/2	3/8	1/2
F51-080808	1/2	1/2	1/2
F51-100810	5/8	1/2	5/8
F51-120812	3/4	1/2	3/4
F51-121212	3/4	3/4	3/4

F55

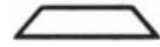
Union 90° Elbow
(SAE 010201)



PART#	ΦD	ΦD
F55-0202	1/8	1/8
F55-0303	3/16	3/16
F55-0404	1/4	1/4
F55-0505	5/16	5/16
F55-0606	3/8	3/8
F55-0806	1/2	3/8
F55-0808	1/2	1/2
F55-1010	5/8	5/8
F55-1212	3/4	3/4

F22

Flare Gasket
(SAE 010113)



PART#	ΦD
F22-03	3/16
F22-04	1/4
F22-05	5/16
F22-06	3/8
F22-08	1/2
F22-10	5/8
F22-12	3/4

(use in female SAE flare)

F64

Female Flare Adapter
(SAE 010106)



PART#	ΦD	T
F64-0402	1/4	1/8
F64-0404	1/4	1/4
F64-0604	3/8	1/4
F64-0806	1/2	3/8
F64-0808	1/2	1/2

F60

Female Flare Union
(SAE 010107)



PART#	ΦD	ΦD
F60-0404	1/4	1/4
F60-0606	3/8	3/8
F60-0808	1/2	1/2

F23

Flare Bonnet
(SAE 010114)



PART#	ΦD
F23-03	3/16
F23-04	1/4
F23-05	5/16
F23-06	3/8
F23-08	1/2
F23-10	5/8
F23-12	3/4

(use with # F41)

F61

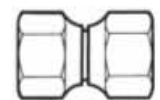
Flare Reducer
(SAE 010105)



PART#	ΦD	ΦD
F61-0604	3/8	1/4
F61-0804	1/2	1/4
F61-0806	1/2	3/8
F61-0810	1/2	5/8
F61-1008	5/8	1/2
F61-1210	3/4	5/8

F24

Flare Union Swivel



PART#	ΦD	ΦD
F24-0404	1/4	1/4
F24-0505	5/16	5/16
F24-0606	3/8	3/8
F24-0808	1/2	1/2
F24-1010	5/8	5/8
F24-1212	3/4	3/4



For US Standard

1. Forged Body Style As Default

2. Barstock Body Style Just Add "B" As Prefix

For Example - B65 Means Barstock Body Style Union Elbow Compression Fittings

WE CAN PRODUCE SOME OUT OF THESE PART NUMBERS PLEASE CONTACT US FOR FURTHER DISCUSS

SABE MFG is a manufacturer who arrange production as per customers' mass order, so, generally speaking, we do not prepare stock for sale