

Mettle Air

**316L Stainless Steel
Pipe and Barb Fittings**



Thread Size Reference

NPT Size	Pitch (Threads Per Inch)	Nominal Outside Diameter
1/16	27	0.313"
1/8	27	0.405"
1/4	18	0.540"
3/8	18	0.675"
1/2	14	0.840"
3/4	14	1.050"
1	11.5	1.315"

BSPT / BSPP Size	Pitch (Threads Per Inch)	Nominal Outside Diameter (mm)
1/8	28	9.728
1/4	19	13.157
3/8	19	16.662
1/2	14	20.955
3/4	14	26.441
1	11	33.249

Metric Size	Pitch (Threads Per Inch)
M3	0.5
M5	0.8
M6	1.0
M7	1.0
M8	1.25



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CALIFORNIA PROPOSITION 65 WARNING This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING THIS PRODUCT IS NOT D.O.T. APPROVED This product is not D.O.T. (Department of Transportation) approved and should not be used for automotive applications.

Type	Temperature Range	Working Pressure
Barb to Barb	-40°F to +220°F (-40°C to 104°C)	0 to 250 PSI
Barb to Thread*	-40°F to +220°F (-40°C to 104°C)	0 to 250 PSI
Thread to Thread*	-40°F to +220°F (-40°C to 104°C)	-13 to 1000 PSI
*Tapered threads such as NPT and BSPT (WITHOUT O-RINGS)		
Barb to Thread (O-Ring)**	-40°F to +220°F (-40°C to 104°C)	Vacuum to 125 PSI
Thread to Thread (O-Ring)**	-40°F to +220°F (-40°C to 104°C)	Vacuum to 125 PSI

**O-Rings are typically found on BSPP (G), UNF and Metric M series threads where applicable

Hose Barb Notice: Review both tubing and fitting max working pressures, do not exceed the LOWER pressure limit

For adapter fittings that combine O-Ring and tapered threads (No O-Ring), use the lower 125 PSI pressure limit.

Bushing



Part #	T1 (Male)	T2 (Female)
110SS-AU10	1/8" NPT	10-32 UNF
110SS-BU10	1/4" NPT	10-32 UNF
110SS-A1	1/8" NPT	1/16" NPT
110SS-BA	1/8" NPT	1/4" NPT
110SS-CA	3/8" NPT	1/8" NPT
110SS-CB	3/8" NPT	1/4" NPT
110SS-DA	1/2" NPT	1/8" NPT
110SS-DB	1/2" NPT	1/4" NPT
110SS-DC	1/2" NPT	3/8" NPT
<i>110SS-GAU10</i>	1/8" BSPP (G)	10-32 UNF
<i>110SS-GBGA</i>	1/4" BSPP (G)	1/8" BSPP (G)

Hex Nipple



Part #	T1 (Male)	T2 (Male)
122SS-U10	10-32 UNF	10-32 UNF
122SS-A	1/8" NPT	1/8" NPT
122SS-B	1/4" NPT	1/4" NPT
122SS-BA	1/8" NPT	1/4" NPT
122SS-C	3/8" NPT	3/8" NPT
122SS-CA	3/8" NPT	1/8" NPT
122SS-CB	3/8" NPT	1/4" NPT
122SS-D	1/2" NPT	1/2" NPT
122SS-DB	1/2" NPT	1/4" NPT
122SS-DC	1/2" NPT	3/8" NPT

Pipe Adaptor



Part #	T1 (Female)	T2 (Male)
120SS-AM5	1/8" NPT	M5 x 0.8
120SS-AM6	1/8" NPT	M6 x 1.0
120SS-A1	1/8" NPT	1/16" NPT
120SS-AA	1/8" NPT	1/8" NPT
120SS-BA	1/4" NPT	1/8" NPT
120SS-BB	1/4" NPT	1/4" NPT
120SS-CA	3/8" NPT	1/8" NPT
120SS-CB	3/8" NPT	1/4" NPT
120SS-CC	3/8" NPT	3/8" NPT
120SS-DB	1/2" NPT	1/4" NPT
120SS-DC	1/2" NPT	3/8" NPT
120SS-DD	1/2" NPT	1/2" NPT

Female Tee



Part #	T1 (Female)	T2 (Female)
<i>101SS-GA</i>	1/8" BSPP (G)	1/8" BSPP (G)
<i>101SS-GB</i>	1/4" BSPP (G)	1/4" BSPP (G)

For adaptor fittings that combine O-Ring and tapered threads (No O-Ring), use the lower 125 PSI pressure limit.

Hex Head Pipe Plug



Part #	T1 (Male)
121SS-U10	10-32 UNF
121SS-M5	M5 x 0.8
121SS-M6	M6 x 1.0
121SS-1	1/16" NPT
121SS-A	1/8" NPT
121SS-B	1/4" NPT
121SS-C	3/8" NPT
121SS-D	1/2" NPT

Countersink Pipe Plug



Part #	T1 (Male)
118SS-U10	10-32 UNF
118SS-1	1/16" NPT
118SS-A	1/8" NPT
118SS-B	1/4" NPT
118SS-C	3/8" NPT
118SS-D	1/2" NPT
118SS-GA	1/8" BSPP (G)
118SS-GB	1/4" BSPP (G)

For adapter fittings that combine O-Ring and tapered threads (No O-Ring), use the lower 125 PSI pressure limit.

Hose Barb Tee



Part #	D1 (Hose ID)	D2 (Hose ID)
123SS-2	1/8"	1/8"
123SS-3	3/16"	3/16"
123SS-4	1/4"	1/4"
123SS-5	5/16"	5/16"
123SS-6	3/8"	3/8"
123SS-8	1/2"	1/2"

Hose Barb x Male Thread



Part #	D1 (Hose ID)	T1 (Male)
125SS-2A	1/8"	1/8" NPT
125SS-2B	1/8"	1/4" NPT
125SS-3A	3/16"	1/8" NPT
125SS-3B	3/16"	1/4" NPT
125SS-4A	1/4"	1/8" NPT
125SS-4B	1/4"	1/4" NPT
125SS-4C	1/4"	3/8" NPT
125SS-4D	1/4"	1/2" NPT
125SS-5A	5/16"	1/8" NPT
125SS-5B	5/16"	1/4" NPT
125SS-5C	5/16"	3/8" NPT
125SS-5D	5/16"	1/2" NPT
125SS-6A	3/8"	1/8" NPT
125SS-6B	3/8"	1/4" NPT
125SS-6C	3/8"	3/8" NPT
125SS-6D	3/8"	1/2" NPT
125SS-8B	1/2"	1/4" NPT
125SS-8C	1/2"	3/8" NPT
125SS-8D	1/2"	1/2" NPT
125SS-10B	5/8"	1/4" NPT
125SS-10C	5/8"	3/8" NPT
125SS-10D	5/8"	1/2" NPT

Hose Mender/Splicer/Joiner



Part #	D1 (Hose ID)	D2 (Hose ID)
129SS-1-SB	1/16"	1/16"
129SS-2	1/8"	1/8"
129SS-3	3/16"	3/16"
129SS-3-2	3/16"	1/8"
129SS-4-2	1/4"	1/8"
129SS-4-3	1/4"	3/16"
129SS-4	1/4"	1/4"
129SS-5	5/16"	5/16"
129SS-5-3	5/16"	3/16"
129SS-5-4	5/16"	1/4"
129SS-6	3/8"	3/8"
129SS-6-4	3/8"	1/4"
129SS-6-5	3/8"	5/16"
129SS-8-6	1/2"	3/8"
129SS-8	1/2"	1/2"

Hose Barb Notice: Review both tubing and fitting max working pressures, do not exceed the LOWER pressure limit