

Visual Index

Transportation: Push-to-Connect Fittings – See Section I

Transportation: Compression Style Fittings

Tube to
Male NPTF

VS68NTA
Male Connector
page I15



VS176NTA
Adapter
page I15



VS269NTA
Male Elbow
page I16



VS271NTA
Male Run Tee
page I16



VS272NTA
Male Branch Tee
page I16



VS279NTA
45° Male Elbow
page I16



68TF
Male Connector
page G9



269TF
Male Elbow
page G9



68PTC
Male Connector
page G9



169PTCNS
Male Elbow
page G9



171PTCNS
Male Run Tee Rigid
page G9



172PTCNS
Male Branch Tee Rigid
page G9



VS68AB
Male Connector
page I15



VS269AB
Male Elbow
page I14



VS271AB
Male Run Tee
page I14



VS272AB
Male Branch Tee
page I14



VS279AB
45° Male Elbow
page I15



68VL
Male Connector
page G10



169VL
Male Elbow
page G10



682VL
Tank Fitting
page G10



171VL
Male Run Tee
page G10



179VL
45° Male Elbow
page G10



Tube to
Female
NPTF

66NTA
Female Connector
page I15



270NTA
Female Elbow
page I16



66AB
Female Connector
page I14



66PTC
Female Connector
page G9



270AB
Female Elbow
page I14



207ACBH
Anchor Coupling
page G18



66VL
Female Connector
page G10



170VL
Female Elbow
page G10



Tube to
Straight
Thread

685VLV
Male Connector
page G10



1695VL
Male Elbow
page G10



Transportation: Compression Style Fittings (Continued)

Tube to Metric Straight Thread

68NTA-X-MIX
Male Connector
page G22



Tube to Tube

62NTA
Union
page I15



264NTA
Union Tee
page I15



265NTA
Union Elbow
page I15



62TF
Union
page G9



62PTC
Union
page G9



164PTC
Union Tee
page G9



165PTC
Union Elbow
page G9



62AB
Union
page I14



264AB
Union Tee
page I14



265AB
Union Elbow
page I14



62VL
Union
page G10



164VL
Union Tee
page G10



Bulkhead Union

62ANBH
Bulkhead Union
page I14



62NBH
Bulkhead Union
page I14



62NFBH
Bulkhead Union
page I14



66NBH
Bulkhead Union
page I15



62ABH
Bulkhead Union
page I14



Lanyard Valve

LV91
Lanyard Valve
page I15



Auxiliary Component

60NTA
Sleeve
page I16



61NTA
Nut
page I16



63NTA
Tube Support
page I16



60TF
Sleeve
page G9



61TF
Nut
page G9



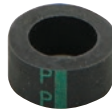
60AB
Sleeve
page I15



61AB
Nut
page I15



60VL
Sleeve
page G10



60VLV
Sleeve
page G10



61VL
Nut
page G10



Industrial: Compression Style Pneumatic

Tube to Male NPTF

68C
Male Connector
page G11



168C
Gauge Tee
page G11



169C-269C
Male Elbow
page G11



171C
Male Run Tee
page G12



172C
Male Branch Tee
page G12



176C
Adaptor
page G12



179C
45° Male Elbow
page G12



682C
Tank Fitting
page G12



Tube to Female NPT

66C
Female Connector
page G11



170C-270C
Female Elbow
page G12



Industrial: Compression Style Pneumatic (Continued)

177C
Female Branch Tee
page G12



Tube to Tube

62C
Union
page G11



62C
Union Reducers
page G11



164C-264C
Union Tee
page G11



164C-264C
Union Tee,
Combination Sizes
page G11



165C-265C
Union Elbow
page G11



Bulkhead Union

62CBH
Bulkhead Union
page G11



Auxiliary Component

60C
Sleeve
page G12



60PT
Plastic Sleeve
page G12



61C
Nut
page G12



61CL
Long Nut
page G12



63PT
Tube Support
page G12



639C
Seal Plug
page G12



Industrial: Flare Fittings

Flare to Male NPT

48F
Male Connector
page G15



145F
Branch Tee
page G15



149F-249F
Male Elbow
page G16



151F
Run Tee
page G13



159F-259F
45° Male Elbow
page G13



48IFHD
Male Connector
page G18



245IFHD
Branch Tee
page G19



249IFHD-249IF
Male Elbow
page G19



251IFHD
Run Tee
page G19



256F
Adapter Tee
page G13



259IFHD
45° Male Elbow
page G19



Flare to Straight Thread

485F
Male Connector
page G15



1495F
Male Elbow
page G16



1595F
45° Male Elbow
page G13



Flare to Metric Straight Thread

48F-X-MIX
Male Connector
page G22



149FX-MIX
Male Elbow
page G22

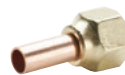


159F-X-MIX
45° Male Elbow
page G22



Flare to Solder

US5
Flare Adapter
page G14



43F
Connector
page G15



Flare to Female NPT

46F
Female Connector
page G15



150F
Female Elbow
page G13



166FSV
Swivel Elbow
page G13



46IFHD
Female Connector
page G18



250IFHD
Female Elbow
page G19



Industrial: Flare Fittings (Continued)

252IFHD
Branch Tee
page G19



Flare to Flare

14FSV
Swivel Nut Connector
page G14



42F
Union
page G14



42F
Union Reducer
page G14



144F
Union Tee
page G15



144F-244F
Union Tee
page G15



147F
Cross
page G15



155F
Cross
page G13



660FHD
Union
page G13



42IFHD
Union
page G18



244IFHD
Union Tee
page G18



255IFHD
Branch Tee
page G19



Adapter

1F
Refrigerant Drum
page G14



661FHD
Reducer
page G13



664FHD
Female Flare - Pipe
page G14



Auxiliary Component

2GF
Flare Gasket
page G14



3GF
Seal Bonnet
page G14



14FL
Long Forged Nut
page G14



14FS
Short Forged Reducing Nut
page G14



41FL
Long NUT
page G14



41FS
Short Nut
page G14



639F
Seal Plug
page G13



640F
Cap Nut
page G13



41IF
Inverted Flare Nut
page G18



41IFS
Inverted Flare Nut, Steel
page G18



41IFF
Inverted Flare Piloted Nut
page G18



Industrial: Adapters

Male Pipe to Male Pipe

215PN
Close Nipple
page G16



215PNL
Long Nipple
page G17



216P
Hex Nipple
page G17



216P
Hex Nipple Reducer
page G17



1204P
Male Elbow
page G17



Male Pipe to Female Pipe

209P
Bushing
page G16



222P
Adapter
page G17



1202P-2202P
Street Elbow
page G17



2224P
Male Branch Tee
page G17



2225P
Street Tee
page G18



2214P
45° Street Elbow
page G18



Female Pipe to Female Pipe

207ACBH
Anchor Coupling
page G18



207P
Coupling
page G16



208P
Reducing Coupling
page G16



212P
Union
page G16



Industrial: Adapters (Continued)

1200P-2200P
Union Elbow
page G17



1203P-2203P
Union Tee
page G17



2200PDE
Drop-Ear Elbow
page G18



1201P-2201P
45° Female Elbow
page G18



2205P
Cross
page G18



Flare to Metric Straight Thread

48F-X-MIX
Male Connector
page G22



149F-X-MIX
Male Elbow
page G22



159F-X-MIX
45° Male Elbow
page G22



Flare to Female Garden Hose

50GHSV
Swivel Connector
page G19



Female Pipe to Metric Straight Thread

222P-X-MIX
Adapter
page G22



Hose to Metric Straight Thread

68HB-X-MIX
Male Connector
page G20



169HB-X-MIX
Male Elbow
page G22



179HB-X-MIX
45° Male Elbow
page G22



Male Pipe to Male Garden Hose

69GH, 70GH, 71GH
Male Pipe
page G19



Garden Hose to Garden Hose

75GH
Connector
page G19



Garden Hose to Female Pipe

78GH, 79GH, 80GH, 81GH
Male Hose to Female Pipe
page G19



Female Garden Hose to Male Pipe

82GH, 83GH
Female Hose
page G19



88GH
Swivel Connector
page G19



Female Garden Hose to Female Pipe

98GH, 99GH
Hose to Pipe
page G20



98GHSV, 99GHSV
Swivel Connector
page G20



Female Garden Hose

101GHSV
Swivel Nut Connector
page G20



Barb to Male Garden Hose

53GH, 54GH, 55GH
Hose Barb
page G19



Barb to Female Garden Hose

90GH
Swivel Connector
page G20



Auxiliary Component

210P
Lock Nut
page G16



211P
Square Head Plug
page G16



213P
Cap
page G16



218P
Hex Head Plug
page G17



219P
Countersunk Plug
page G17



220P
Slotted Head Plug
page G17



94GH
Hose Nut
page G20



95GH
Hose Nut Reducer
page G20



98GH
Hose Cap
page G20



901GH
Washer
page G20



1163-60-BPD
Coupler
page G20



Industrial: Adapters (Continued)

1163-61-BPD
Nipple
[page G20](#)



Industrial: Barbed Fittings

Barb to Male NPT

68HB
Male Connector
[page G20](#)



125HB
Male Connector
[page G21](#)



125HBL
Male Connector
[page G21](#)



125HBLSV
Swivel Connector
[page G21](#)



127HB
Ball-End Adapter
[page G21](#)



129HB
Male Elbow
[page G21](#)



139HB
45° Male Elbow
[page G21](#)



171HB
Run Tee
[page G22](#)



179HB
45° Male Elbow
[page G22](#)



269HB
Male Elbow
[page G22](#)



279HB
45° Male Elbow
[page G22](#)



Barb to Straight Thread

685HB
Male Connector
[page G20](#)



1295HB
Male Elbow
[page G21](#)



1695HB
Male Elbow
[page G21](#)



1725HB
Tee
[page G22](#)



1795HB
45° Male Elbow
[page G22](#)



Barb to Metric Straight Thread

68HB-X-MIX
Male Connector
[page G20](#)



169HB-X-MIX
Male Elbow
[page G22](#)



179HB-X-MIX
45° Male Elbow
[page G22](#)



Barb to Female NPT

126HBL
Female Connector
[page G21](#)



Barb to Barb

122HBL
Union
[page G20](#)



Swivel

128HBLSV
Female Ball-End
[page G21](#)



146HBLFSV
45° Female Flare
[page G21](#)



Auxiliary Component

97HC
Clamp
[page G20](#)



Prestomatic Air Brake Push-In Fittings

[See Section I](#)

PTC Composite Push-In Air Brake Fittings

[See Section I](#)

Metric Prestomatic Air Brake Push-In Fittings

[See Section I](#)

Transmission Fittings

62TF

Union



Part Number	Tube Size	Straight Thread
62TF-2	1/8	5/16-24
62TF-5/32	5/32	5/16-24

62PTC

Union



Part Number	Tube Size
62PTC-5/32	5/32
62PTC-3	3/16

66PTC

Female Connector



Part Number	Tube Size	Pipe Thread
66PTC-5/32-2	5/32	1/8
66PTC-5/32-4	5/32	1/4
66PTC-3-2	3/16	1/8

68PTC

Male Connector



Part Number	Tube Size	Pipe Thread
68PTC-5/32-1	5/32	1/16
68PTC-5/32-2	5/32	1/8
68PTC-5/32-4	5/32	1/4
68PTC-3-1	3/16	1/16
68PTC-3-2	3/16	1/8
68PTC-3-4	3/16	1/4

68TF

Male Connector



Part Number	Tube Size	Pipe Thread	Straight Thread
68TF-2-1	1/8	1/16	5/16-24
68TF-2-2	1/8	1/8	5/16-24
68TF-5/32-1	5/32	1/16	5/16-24
68TF-5/32-2	5/32	1/8	5/16-24

269TF

Male Elbow



Part Number	Tube Size	Pipe Thread	Straight Thread
269TF-2-2	1/8	1/8	5/16-24
269TF-5/32-2	5/32	1/8	5/16-24

164PTC

Tube to Tube Union Tee



Part Number	Tube Size
164PTC-5/32	5/32
164PTC-3	3/16

165PTC

Tube to Tube Union Elbow



Part Number	Tube Size
165PTC-5/32	5/32
165PTC-3	3/16

169PTCNS

Tube to Male NPT Male Elbow Rigid 90°



Part Number	Tube Size	Pipe Thread
169PTCNS-5/32-1	5/32	1/16
169PTCNS-5/32-2	5/32	1/8
169PTCNS-5/32-4	5/32	1/4
169PTCNS-3-2	3/16	1/8
169PTCNS-3-4	3/16	1/4

171PTCNS

Tube to Male NPT Male Run Tee Rigid



Part Number	Tube Size	Pipe Thread
171PTCNS-5/32-2	5/32	1/8
171PTCNS-5/32-4	5/32	1/4
171PTCNS-3-2	3/16	1/8

172PTCNS

Tube to Male NPT Male Branch Tee Rigid



Part Number	Tube Size	Pipe Thread
172PTCNS-5/32-2	5/32	1/8
172PTCNS-5/32-4	5/32	1/4
172PTCNS-3-2	3/16	1/8

60TF

Sleeve



Part Number	Tube Size
60TF-2	1/8
60TF-5/32	5/32

61TF

Nut



Part Number	Tube Size	Straight Thread
61TF-2	1/8	5/16-24
61TF-5/32	5/32	5/16-24

Air Brake – AB Fittings

[See Section I](#)

Air Brake – NTA Fittings

[See Section I](#)

Vibra-Lok Fittings

62VL

Union



Part Number	Tube Size	Pipe Thread
62VL-4	1/4	
62VL-5	5/16	
62VL-6	3/8	
62VL-8	1/2	

66VL

Female Connector



Part Number	Tube Size	Pipe Thread
66VL-4-2	1/4	1/8
66VL-5-4	5/16	1/4

68VL

Male Connector



Part Number	Tube Size	Pipe Thread
68VL-2-2	1/8	1/8
68VL-3-2	3/16	1/8
68VL-4-2	1/4	1/8
68VL-4-4	1/4	1/4
68VL-5-4	5/16	1/4
68VL-6-2	3/8	1/8
68VL-6-4	3/8	1/4
68VL-6-6	3/8	3/8
68VL-8-6	1/2	3/8
68VL-8-8	1/2	1/2
68VL-10-8	5/8	1/2
68VL-12-8	3/4	1/2
68VL-12-12	3/4	3/4

682VL

Straight Through Tank Fitting



Part Number	Tube Size	Pipe Thread
682VL-4-2	1/4	1/8
682VL-4-4	1/4	1/4
682VL-5-4	5/16	1/4
682VL-6-6	3/8	3/8

685VLV

Male Connector



Part Number	Tube Size	Straight Thread
685VLV-4-4	1/4	7/16-20
685VLV-5-4	5/16	7/16-20
685VLV-6-4	3/8	7/16-20
685VLV-6-6	3/8	9/16-18
685VLV-8-8	1/2	3/4-16
685VLV-10-10	5/8	7/8-14
685VLV-12-12	3/4	1 1/16-12

Note: Fluorocarbon seal and O-ring standard.

164VL

Union Tee



Part Number	Tube Size
164VL-3	3/16
164VL-4	1/4
164VL-5	5/16
164VL-8	1/2

169VL

Male Elbow



Part Number	Tube Size	Pipe Thread
169VL-3-2	3/16	1/8
169VL-4-2	1/4	1/8
169VL-4-4	1/4	1/4
169VL-5-4	5/16	1/4
169VL-6-2	3/8	1/8
169VL-6-4	3/8	1/4
169VL-6-6	3/8	3/8
169VL-8-6	1/2	3/8
169VL-8-8	1/2	1/2
169VL-10-8	5/8	1/2

1695VLV

Male Elbow



Part Number	Tube Size	Straight Thread
1695VLV-4-4	1/4	7/16-20
1695VLV-5-4	5/16	7/16-20
1695VLV-6-4	3/8	7/16-20
1695VLV-6-6	3/8	9/16-18
1695VLV-8-8	1/2	3/4-16
1695VLV-10-10	5/8	7/8-14
1695VLV-12-12	3/4	1 1/16-12

Note: Fluorocarbon seal and O-ring standard.

170VL

Female Elbow



Part Number	Tube Size	Pipe Thread
170VL-4-2	1/4	1/8
170VL-5-4	5/16	1/4

171VL

Male Run Tee



Part Number	Tube Size	Pipe Thread
171VL-4-2	1/4	1/8
171VL-4-4	1/4	1/4

179VL

45° Elbow



Part Number	Tube Size	Pipe Thread
179VL-4-2	1/4	1/8
179VL-6-4	3/8	1/4

60VL

Sleeve



Part Number	Tube Size
60VL-2	1/8
60VL-3	3/16
60VL-4	1/4
60VL-5	5/16
60VL-6	3/8
60VL-8	1/2
60VL-10	5/8
60VL-12	3/4

60VLV

Sleeve (Fluorocarbon)



Part Number	Tube Size
60VLV-3	3/16
60VLV-4	1/4
60VLV-5	5/16
60VLV-6	3/8
60VLV-8	1/2
60VLV-10	5/8
60VLV-12	3/4

61VL

Nut



Part Number	Tube Size	Straight Thread
61VL-2	1/8	3/8-24
61VL-3	3/16	7/16-24
61VL-4	1/4	1/2-24
61VL-5	5/16	9/16-24
61VL-6	3/8	5/8-24
61VL-8	1/2	13/16-18
61VL-10	5/8	1-18
61VL-12	3/4	1-1/8-18

Compression Fittings

Compression Fittings are not for use on Air Brake applications.

62C

Union

Ref. SAE 060101 BA



Part Number	Tube Size	Straight Thread
62C-2	1/8	5/16-24
62C-3	3/16	3/8-24
62C-4	1/4	7/16-24
62C-5	5/16	1/2-24
62C-6	3/8	9/16-24
62C-7	7/16	5/8-24
62C-8	1/2	11/16-20
62C-10	5/8	13/16-18
62C-12	3/4	1-18
62C-14	7/8	1-1/8-18

62C

Union Reducers

Ref. SAE 060101 BA



Part Number	Tube Size 1	Tube Size 2	Straight Thread 1	Straight Thread 2
62C-4-3	3/16	1/4	3/8-24	7/16-24
62C-6-4	1/4	3/8	7/16-24	9/16-24
62C-8-6	3/8	1/2	9/16-24	11/16-20
62C-10-6	3/8	5/8	9/16-24	13/16-18

62CBH

Bulkhead Union



Part Number	Tube Size	Straight Thread
62CBH-4	1/4	7/16-24
62CBH-6	3/8	9/16-24

66C

Female Connector

Ref. SAE 060103 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
66C-2-2	1/8	1/8	5/16-24
66C-3-2	3/16	1/8	3/8-24
66C-3-4	3/16	1/4	3/8-24
66C-4-2	1/4	1/8	7/16-24
66C-4-4	1/4	1/4	7/16-24
66C-5-2	5/16	1/8	1/2-24
66C-5-4	5/16	1/4	1/2-24
66C-6-2	3/8	1/8	9/16-24
66C-6-4	3/8	1/4	9/16-24
66C-6-6	3/8	3/8	9/16-24
66C-6-8	3/8	1/2	9/16-24
66C-7-6	7/16	3/8	5/8-24
66C-8-4	1/2	1/4	11/16-20
66C-8-6	1/2	3/8	11/16-20
66C-8-8	1/2	1/2	11/16-20
66C-10-8	5/8	1/2	13/16-18

68C

Male Connector

Ref. SAE 060102 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
68C-2-1	1/8	1/16	5/16-24
68C-2-2	1/8	1/8	5/16-24
68C-3-1	3/16	1/16	3/8-24
68C-3-2	3/16	1/8	3/8-24
68C-3-4	3/16	1/4	3/8-24
68C-4-2	1/4	1/8	7/16-24
68C-4-4	1/4	1/4	7/16-24
68C-4-6	1/4	3/8	7/16-24
68C-4-8	1/4	1/2	7/16-24
68C-5-2	5/16	1/8	1/2-24
68C-5-4	5/16	1/4	1/2-24
68C-6-2	3/8	1/8	9/16-24
68C-6-4	3/8	1/4	9/16-24
68C-6-6	3/8	3/8	9/16-24
68C-6-8	3/8	1/2	9/16-24
68C-7-4	7/16	1/4	5/8-24
68C-8-4	1/2	1/4	11/16-20
68C-8-6	1/2	3/8	11/16-20
68C-8-8	1/2	1/2	11/16-20
68C-10-6	5/8	3/8	13/16-18
68C-10-8	5/8	1/2	13/16-18
68C-10-12	5/8	3/4	13/16-18
68C-12-8	3/4	1/2	1-18
68C-12-12	3/4	3/4	1-18
68C-14-12	7/8	3/4	1-1/8-18

164C-264C

Union Tee

Ref. SAE 060401 BA



Part Number	Tube Size	Straight Thread
164C-2	1/8	5/16-24
264C-3	3/16	3/8-24
164C-4	1/4	7/16-24
264C-4	1/4	7/16-24
164C-5	5/16	1/2-24
164C-6	3/8	9/16-24
164C-8	1/2	11/16-20
164C-10	5/8	13/16-18
164C-12	3/4	1.00-18

164C-264C

Union Tee

Combination Sizes

Ref. SAE 060401 BA



Part Number	Tube Size 1	Tube Size 2	Tube Size 3
164C-6-4-4	3/8	1/4	1/4
164C-6-6-4	3/8	3/8	1/4
164C-8-8-6	1/2	1/2	3/8

165C-265C

Union Elbow

Ref. SAE 060201 BA



Part Number	Tube Size	Straight Thread
165C-2	1/8	5/16-24
165C-3	3/16	3/8-24
165C-4	1/4	7/16-24
265C-4	1/4	7/16-24
165C-5	5/16	1/2-24
165C-6	3/8	9/16-24
165C-7	7/16	5/3-24
165C-8	1/2	11/16-20
165C-10	5/8	13/16-18
165C-12	3/4	1-18

168C

Compression

Gage Tee



Part Number	Tube Size	Pipe Thread	Straight Thread
168C-4-2	1/4	1/8	7/16-24

169C-269C

Male Elbow

Ref. SAE 060202 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
169C-2-1	1/8	1/16	5/16-24
269C-2-2	1/8	1/8	5/16-24
169C-3-1	3/16	1/16	3/8-24
169C-3-2	3/16	1/8	3/8-24
269C-3-2	3/16	1/8	3/8-24
169C-3-4	3/16	1/4	3/8-24
169C-4-2	1/4	1/8	7/16-24
269C-4-2	1/4	1/8	7/16-24
169C-4-4	1/4	1/4	7/16-24
269C-4-4	1/4	1/4	7/16-24
169C-4-6	1/4	3/8	7/16-24
169C-5-2*	5/16	1/8	1/2-24
269C-5-2*	5/16	1/8	1/2-24
169C-5-4	5/16	1/4	1/2-24
269C-5-4	5/16	1/4	1/2-24
169C-5-6	5/16	3/8	1/2-24
269C-5-6	5/16	3/8	1/2-24
169C-6-2*	3/8	1/8	9/16-24
269C-6-2*	3/8	1/8	9/16-24
169C-6-4	3/8	1/4	9/16-24
269C-6-4	3/8	1/4	9/16-24
169C-6-6	3/8	3/8	9/16-24
269C-6-6	3/8	3/8	9/16-24
169C-6-8	3/8	1/2	9/16-24
269C-7-6	7/16	3/8	5/8-24
169C-8-4*	1/2	1/4	11/16-20
169C-8-6	1/2	3/8	11/16-20
169C-8-8	1/2	1/2	11/16-20
169C-10-8	5/8	1/2	13/16-18
169C-12-8	3/4	1/2	1-18
169C-12-12	3/4	3/4	1-18

+ For these parts the Pipe Thread through hole is smaller than the through hole on the flare end.

170C-270C

Female Elbow
Ref. SAE 060203 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
170C-2-2	1/8	1/8	5/16-24
170C-3-2	3/16	1/8	3/8-24
170C-4-2	1/4	1/8	7/16-24
270C-4-2	1/4	1/8	7/16-24
170C-4-4	1/4	1/4	7/16-24
170C-6-4	3/8	1/4	9/16-24
170C-6-6	3/8	3/8	9/16-24
170C-7-4	7/16	1/4	5/8-24
170C-8-6	1/2	3/8	11/16-20
170C-8-8	1/2	1/2	11/16-20
170C-12-12	3/4	3/4	1-18

171C

Male Run Tee
Ref. SAE 060424 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
171C-2-2	1/8	1/8	5/16-24
171C-3-2	3/16	1/8	3/8-24
171C-4-2	1/4	1/8	7/16-24
171C-4-4	1/4	1/4	7/16-24
171C-6-4	3/8	1/4	9/16-24

172C

Male Branch Tee
Ref. SAE 060425 BA



Part Number	Tube Size	Pipe Thread	Straight Thread
172C-2-2	1/8	1/8	5/16-24
172C-3-2	3/16	1/8	3/8-24
172C-4-2	1/4	1/8	7/16-24
172C-4-4	1/4	1/4	7/16-24
172C-6-2	3/8	1/8	9/16-24
172C-6-4	3/8	1/4	9/16-24
172C-6-6	3/8	3/8	9/16-24
172C-8-6	1/2	3/8	11/16-20

176C

Adapter Tee



Part Number	Tube Size	Pipe Thread	Straight Thread
176C-4-2	1/4	1/8	7/16-24

177C

Female Branch Tee



Part Number	Tube Size	Pipe Thread	Straight Thread
177C-4-2	1/4	1/8	7/16-24

179C

45° Elbow
Compression
to Male Pipe



Part Number	Tube Size	Pipe Thread	Straight Thread
179C-4-2	1/4	1/8	7/16-24
179C-4-4	1/4	1/4	7/16-24
179C-6-2	3/8	1/8	9/16-24
179C-6-4	3/8	1/4	9/16-24
179C-6-6	3/8	3/8	9/16-24
179C-8-6	1/2	3/8	11/16-24

639C

Seal Plug



Part Number	Tube Size	Straight Thread
639C-4	1/4	7/16-24

682C

Straight Through
Tank Fitting



Part Number	Tube Size	Pipe Thread	Straight Thread
682C-3-2	3/16	1/8	3/8-24
682C-6-6	3/8	3/8	9/16-24
682C-8-8	1/2	1/2	11/16-20

60C

Sleeve
Ref. SAE 060115



Part Number	Tube Size
60C-2	1/8
60C-3	3/16
60C-4	1/4
60C-5	5/16
60C-6	3/8
60C-7	7/16
60C-8	1/2
60C-10	5/8
60C-12	3/4
60C-14	7/8

60PT

Acetal Sleeve



Part Number	Plastic Tube Wall
60PT-4	1/4
60PT-5	5/16
60PT-6	3/8
60PT-8	1/2
60PT-10	5/8

61C

Nut
Ref. SAE 060110



Part Number	Tube Size	Straight Thread
61C-2	1/8	5/16-24
61C-3	3/16	3/8-24
61C-4	1/4	7/16-24
61C-5	5/16	1/2-24
61C-6	3/8	9/16-24
61C-7	7/16	5/8-24
61C-8	1/2	11/16-20
61C-10	5/8	13/16-18
61C-12	3/4	1-18
61C-14	7/8	1-1/8-18

61CL

Long Nut
Ref. SAE 060111



Part Number	Tube Size	Straight Thread
61CL-4	1/4	7/16-24
61CL-5	5/16	1/2-24
61CL-6	3/8	9/16-24
61CL-8	1/2	11/16-20
61CL-10	5/8	13/16-18
61CL-12	3/4	1-18

63PT

Brass Insert



Part Number	Tube OD
63PT-2-16	1/8
63PT-2-23	1/8
63PT-3-25	3/16
63PT-3-40	3/16
63PT-4-40	1/4
63PT-4-62	1/4
63PT-5-40	5/16
63PT-5-62	5/16
63PT-6-62	3/8
63PT-8-62	1/2
63PT-10-62	5/8

150F

Female Elbow
Ref. SAE 010203



Part Number	Tube Size	Pipe Thread	Straight Thread
150F-4-2	1/4	1/8	7/16-20
150F-4-4	1/4	1/4	7/16-20
150F-5-4	5/16	1/4	1/2-20
150F-6-2	3/8	1/8	5/8-18
150F-6-4	3/8	1/4	5/8-18
150F-6-6	3/8	3/8	5/8-18
150F-6-8	3/8	1/2	5/8-18
150F-8-6	1/2	3/8	3/4-16
150F-8-8	1/2	1/2	3/4-16
150F-8-12	1/2	3/4	3/4-16
150F-10-8*	5/8	1/2	7/8-14
150F-10-12*	5/8	3/4	7/8-14

* Comes standard with thread protectors.

151F

Male Run Tee
Ref. SAE 010424



Part Number	Tube Size	Pipe Thread	Straight Thread
151F-4-2	1/4	1/8	7/16-20
151F-4-4	1/4	1/4	7/16-20
151F-5-4	5/16	1/4	1/2-20
151F-6-4	3/8	1/4	5/8-18
151F-6-6	3/8	3/8	5/8-18
151F-6-8	3/8	1/2	5/8-18
151F-8-6	1/2	3/8	3/4-16
151F-8-8	1/2	1/2	3/4-16
151F-10-8	5/8	1/2	7/8-14

155F

Union Elbow
Ref. SAE 010201



Part Number	Tube Size	Straight Thread
155F-2	1/8	5/16-24
155F-3	3/16	3/8-24
155F-4	1/4	7/16-20
155F-5	5/16	1/2-20
155F-6	3/8	5/8-18
155F-8	1/2	3/4-16
155F-10	5/8	7/8-14
155F-12*	3/4	1-1/16-14

* Comes standard with thread protectors.

159F-259F

45° Elbow
Ref. SAE 010302



Part Number	Tube Size	Pipe Thread	Straight Thread
159F-4-2	1/4	1/8	7/16-20
259F-4-2	1/4	1/8	7/16-20
159F-4-4	1/4	1/4	7/16-20
259F-4-4	1/4	1/4	7/16-20
159F-5-2	5/16	1/8	1/2-20
159F-5-4	5/16	1/4	1/2-20
159F-6-2*	3/8	1/8	5/8-18
159F-6-4	3/8	1/4	5/8-18
259F-6-4	3/8	1/4	5/8-18
159F-6-6	3/8	3/8	5/8-18
259F-6-6	3/8	3/8	5/8-18
159F-8-4*	1/2	1/4	3/4-16
159F-8-6	1/2	3/8	3/4-16
259F-8-6	1/2	3/8	3/4-16
159F-8-8	1/2	1/2	3/4-16
159F-10-6*	5/8	3/8	7/8-14
159F-10-8	5/8	1/2	7/8-14
159F-12-8**	3/4	1/2	1-1/16-14

+ For these parts the Pipe Thread through hole is smaller than the through hole on the flare end.

* Comes standard with thread protectors.

1595F

45° Flare to SAE
Straight Thread



Part Number	Tube Size	Straight Thread	Straight Thread Tube
1595F-8-8	1/2	3/4-16	3/4-16
1595F-12-8*	3/4	3/4-16	1 1/16-14
1595F-12-12*	3/4	1 1/16-12	1 1/16-14

Note: Fluorocarbon O-ring is standard.

* Comes standard with thread protectors.

166FSV

90° Swivel Elbow



Part Number	Tube Size	Straight Thread
166FSV-4-4	1/4	7/16-20
166FSV-6-6	3/8	5/8-18
166FSV-8-8	1/2	3/4-16
166FSV-10-10	5/8	7/8-14
166FSV-12-12*	3/4	1-1/16-14

* Comes standard with thread protectors.

639F

Flared Seal Plug
REF. SAE 010109



Part Number	Tube Size	Straight Thread
639F-4	1/4	7/16-20
639F-5	5/16	1/2-20
639F-6	3/8	5/8-18
639F-8	1/2	3/4-16
639F-10	5/8	7/8-14

640F

Cap Nut
Ref. SAE 010112



Part Number	Tube Size	Straight Thread
640F-3†	3/16	3/8-24
640F-4†	1/4	7/16-20
640F-5†	5/16	1/2-20
640F-6†	3/8	5/8-18
640F-8†	1/2	3/4-16
640F-10†	5/8	7/8-14

† Should be used with 2GF flare gasket.

660FHD

Flared Union–Female
Flare to Female Flare
Ref. SAE 010107



Part Number	Tube Size	Straight Thread
660FHD-4†	1/4	7/16-20
660FHD-6†	3/8	5/8-18
660FHD-8†	1/2	3/4-16
660FHD-10†	5/8	7/8-14

† Should be used with 2GF flare gasket.

661FHD

Male Flare to Female Flare
Ref. SAE 010105



Part Number	Tube Size 1	Tube Size 2	Straight Thread 1	Straight Thread 2
661FHD-4-6†	1/4	3/8	7/16-20	5/8-18
661FHD-4-8†	1/4	1/2	7/16-20	3/4-16
661FHD-6-4†	3/8	1/4	5/8-18	7/16-20
661FHD-6-8†	3/8	1/2	5/8-18	3/4-16
661FHD-8-6†	1/2	3/8	3/4-16	5/8-18
661FHD-8-10†	1/2	5/8	3/4-16	7/8-14
661FHD-10-8†	5/8	1/2	7/8-14	3/4-16
661FHD-10-12*†	5/8	3/4	7/8-14	1-1/16-14
661FHD12-10*†	3/4	5/8	1-1/16-14	7/8-14

† Should be used with 2GF flare gasket.

* Comes standard with thread protectors.

[Link to Master Table of Contents](#)

[Link to Section Table of Contents](#)

664FHD

Female Flare to
Male Pipe Thread
Ref. SAE 010106



Part Number	Tube Size	Pipe Thread	Straight Thread
664FHD-4-2†	1/4	1/8	7/16-20
664FHD-4-4†	1/4	1/4	7/16-20
664FHD-6-4†	3/8	1/4	5/8-18
664FHD-8-6†	1/2	3/8	3/4-16

† Should be used with 2GF flare gasket.

45° Flare Fittings

1F

Refrigerant Drum Adapter
Ref. SAE 010165



Part Number	Tube OD	Pipe Thread
1F-4-8	1/4	1/2
1F-4-12*	1/4	3/4
1F-6-12*	3/8	3/4
1F-8-12*	1/2	3/4

* Comes standard with thread protectors.
Gasket Furnished with each 1F adapter.

2GF

Copper Flare Gasket
Ref. SAE 010113



Part Number	Tube Size
2GF-3	3/16
2GF-4	1/4
2GF-5	5/16
2GF-6	3/8
2GF-8	1/2
2GF-10	5/8
2GF-12	3/4

3GF

Seal Bonnet
Ref. SAE 010114



Part Number	Tube Size
3GF-3	3/16
3GF-4	1/4
3GF-5	5/16
3GF-6	3/8
3GF-8	1/2
3GF-10	5/8
3GF-12	3/4

14FL

Long Forged Nut
Ref. SAE 010167



Part Number	Tube Size	Straight Thread
14FL-4	1/4	7/16-20
14FL-6	3/8	5/8-18
14FL-8	1/2	3/4-16
14FL-10	5/8	7/8-14

14FS

Short Forged Reducing
Nuts



Part Number	Tube Size	Straight Thread
14FS-6-4	3/8 to 1/4	5/8-18
14FS-8-6	1/2 to 3/8	3/4-16
14FS-10-8	5/8 to 1/2	7/8-14

14FSV

Swivel Nut Valve
Connector
Ref. SAE 010108



Part Number	Tube Size	Straight Thread
14FSV-4	1/4	7/16-20
14FSV-6	3/8	5/8-18
14FSV-8	1/2	3/4-16
14FSV-10	5/8	7/8-14

US5

Flare Adapter



Part Number	Tube Size	Straight Thread
US5-4	1/4	7/16-20
US5-6	3/8	5/8-18
US5-8	1/2	3/4-16
US5-10	5/8	7/8-14

41FL

Long Nut
Ref. SAE 010111



Part Number	Tube Size	Straight Thread
41FL-2	1/8	5/16-24
41FL-3	3/16	3/8-24
41FL-4	1/4	7/16-20
41FL-5	5/16	1/2-20
41FL-6	3/8	5/8-18
41FL-8	1/2	3/4-16
41FL-10	5/8	7/8-14
41FL-12	3/4	1-1/16-14

41FS

Short Nut
Ref. SAE 010110



Part Number	Tube Size	Straight Thread
41FS-2	1/8	5/16-24
41FS-3	3/16	3/8-24
41FS-4	1/4	7/16-20
41FS-5	5/16	1/2-20
41FS-6	3/8	5/8-18
41FS-8	1/2	3/4-16
41FS-10	5/8	7/8-14
41FS-12	3/4	1-1/16-14
41FS-14	7/8	1-1/4-12

42F

Union
Ref. SAE 010101



Part Number	Tube Size	Straight Thread
42F-2	1/8	5/16-24
42F-3	3/16	3/8-24
42F-4	1/4	7/16-20
42F-5	5/16	1/2-20
42F-6	3/8	5/8-18
42F-8	1/2	3/4-16
42F-10	5/8	7/8-14
42F-12*	3/4	1-1/16-14
42F-14*	7/8	1-1/4-12

*Thread Protectors

42F

Union Reducers
Ref. SAE 010101



Part Number	Tube Size 1	Tube Size 2	Straight Thread 1	Straight Thread 2
42F-6-4	1/4	3/8	7/16-20	5/8-18
42F-6-5	5/16	3/8	1/2-20	5/8-18
42F-8-4	1/4	1/2	7/16-20	3/4-16
42F-8-6	3/8	1/2	5/8-18	3/4-16
42F-10-6	3/8	5/8	5/8-18	7/8-14
42F-10-8	1/2	5/8	3/4-16	7/8-14

43F

Flare to Solder
Ref. SAE 010104



Part Number	Tube Size	Solder OD	Straight Thread
43F-4-4	1/4	1/4	7/16-20
43F-4-5	1/4	5/16	7/16-20
43F-4-6	1/4	3/8	7/16-20
43F-6-4	3/8	1/4	5/8-18
43F-6-5	3/8	5/16	5/8-18
43F-6-6	3/8	3/8	5/8-18
43F-6-8	3/8	1/2	5/8-18
43F-6-10	3/8	5/8	5/8-18
43F-8-6	1/2	3/8	3/4-16
43F-8-8	1/2	1/2	3/4-16
43F-8-10	1/2	5/8	3/4-16
43F-10-8	5/8	1/2	7/8-14
43F-10-10	5/8	5/8	7/8-14
43F-10-12*	5/8	3/4	7/8-14
43F-12-12*	3/4	3/4	1-1/16-14
43F-12-14*	3/4	7/8	1-1/16-14

* Comes standard with thread protectors.

46F

Female Connector
Ref. SAE 010103



Part Number	Tube Size	Pipe Thread	Straight Thread
46F-2-2	1/8	1/8	5/16-24
46F-3-2	3/16	1/8	3/8-24
46F-4-2	1/4	1/8	7/16-20
46F-4-4	1/4	1/4	7/16-20
46F-4-6	1/4	3/8	7/16-20
46F-5-2	5/16	1/8	1/2-20
46F-5-4	5/16	1/4	1/2-20
46F-6-2	3/8	1/8	5/8-18
46F-6-4	3/8	1/4	5/8-18
46F-6-6	3/8	3/8	5/8-18
46F-6-8	3/8	1/2	5/8-18
46F-8-4	1/2	1/4	3/4-16
46F-8-6	1/2	3/8	3/4-16
46F-8-8	1/2	1/2	3/4-16
46F-8-12*	1/2	3/4	3/4-16
46F-10-6	5/8	3/8	7/8-14
46F-10-8	5/8	1/2	7/8-14
46F-10-12*	5/8	3/4	7/8-14

48F

Male Connector
Ref. SAE 010102



Part Number	Tube Size	Pipe Thread	Straight Thread
48F-2-2	1/8	1/8	5/16-24
48F-3-2	3/16	1/8	3/8-24
48F-3-4	3/16	1/4	3/8-24
48F-4-2	1/4	1/8	7/16-20
48F-4-4	1/4	1/4	7/16-20
48F-4-6	1/4	3/8	7/16-20
48F-4-8	1/4	1/2	7/16-20
48F-5-2	5/16	1/8	1/2-20
48F-5-4	5/16	1/4	1/2-20
48F-5-6	5/16	3/8	1/2-20
48F-6-2	3/8	1/8	5/8-18
48F-6-4	3/8	1/4	5/8-18
48F-6-6	3/8	3/8	5/8-18
48F-6-8	3/8	1/2	5/8-18
48F-6-12*	3/8	3/4	5/8-18
48F-8-4	1/2	1/4	3/4-16
48F-8-6	1/2	3/8	3/4-16
48F-8-8	1/2	1/2	3/4-16
48F-8-12	1/2	3/4	3/4-16
48F-10-4	5/8	1/4	7/8-14
48F-10-6	5/8	3/8	7/8-14
48F-10-8	5/8	1/2	7/8-14
48F-10-12*	5/8	3/4	7/8-14
48F-12-8*	3/4	1/2	1-1/16-14
48F-12-12*	3/4	3/4	1-1/16-14
48F-14-12*	7/8	3/4	1-1/4-12

* Comes standard with thread protectors.

485F

Flare to SAE Straight Thread



Part Number	Tube Size	Straight Thread	Straight Thread Tube
485F-12-8*	3/4	3/4-16	1 1/16-14
485F-12-12*	3/4	1 1/16-12	1 1/16-14

* Comes standard with thread protectors.

144F-244F

Union Tee
Ref. SAE 010401



Part Number	Tube Size	Straight Thread
144F-3	3/16	3/8-24
144F-4	1/4	7/16-20
244F-4	1/4	7/16-20
144F-5	5/16	1/2-20
144F-6	3/8	5/8-18
144F-8	1/2	3/4-16
144F-10	5/8	7/8-14

144F

Union Tee
combination sizes



Part Number	Tube Size 1	Tube Size 2	Tube Size 3
144F-6-6-4	3/8	3/8	1/4
144F-8-8-6	1/2	1/2	3/8

145F

Male Branch Tee
Ref. SAE 010425



Part Number	Tube Size	Pipe Thread	Straight Thread
145F-2-2	1/8	1/8	5/16-24
145F-4-2	1/4	1/8	7/16-20
145F-4-4	1/4	1/4	7/16-20
145F-5-4	5/16	1/4	1/2-20
145F-6-4	3/8	1/4	5/8-18
145F-6-6	3/8	3/8	5/8-18
145F-6-8	3/8	1/2	5/8-18
145F-8-6	1/2	3/8	3/4-16
145F-8-8	1/2	1/2	3/4-16
145F-10-8	5/8	1/2	7/8-14

147F

Cross
Ref. SAE 010501



Part Number	Tube Size	Straight Thread
147F-6	3/8	5/8-18

149F-249F

Male Elbow
Ref. SAE 010202



Part Number	Tube Size	Pipe Thread	Straight Thread
149F-2-2	1/8	1/8	5/16-24
149F-3-2	3/16	1/8	3/8-24
249F-3-2	3/16	1/8	3/8-24
149F-4-2	1/4	1/8	7/16-20
249F-4-2	1/4	1/8	7/16-20
149F-4-4	1/4	1/4	7/16-20
249F-4-4	1/4	1/4	7/16-20
149F-4-6	1/4	3/8	7/16-20
249F-4-6	1/4	3/8	7/16-20
149F-4-8	1/4	1/2	7/16-20
149F-5-2	5/16	1/8	1/2-20
249F-5-2	5/16	1/8	1/2-20
149F-5-4	5/16	1/4	1/2-20
249F-5-4	5/16	1/4	1/2-20
149F-5-6	5/16	3/8	1/2-20
149F-6-2*	3/8	1/8	5/8-18
249F-6-2*	3/8	1/8	5/8-18
149F-6-4	3/8	1/4	5/8-18
249F-6-4	3/8	1/4	5/8-18
149F-6-6	3/8	3/8	5/8-18
249F-6-6	3/8	3/8	5/8-18
149F-6-8	3/8	1/2	5/8-18
249F-6-8	3/8	1/2	5/8-18
149F-6-12*	3/8	3/4	5/8-18
149F-8-4*	1/2	1/4	3/4-16
149F-8-6	1/2	3/8	3/4-16
249F-8-6	1/2	3/8	3/4-16
149F-8-8	1/2	1/2	3/4-16
249F-8-8	1/2	1/2	3/4-16
149F-8-12*	1/2	3/4	3/4-16
149F-10-4*	5/8	1/4	7/8-14
149F-10-6*	5/8	3/8	7/8-14
149F-10-8	5/8	1/2	7/8-14
249F-10-8	5/8	1/2	7/8-14
149F-10-12*	5/8	3/4	7/8-14
149F-12-8**	3/4	1/2	1-1/16-14
149F-12-12*	3/4	3/4	1-1/16-14

* For these parts the Pipe Thread through hole is smaller than the through hole on the flare end.

* Comes standard with thread protectors.

1495F

Flare Elbow to
SAE Straight Thread



Part Number	Tube Size	Straight Thread	Straight Thread Tube
1495F-12-8*	3/4	3/4-16	1 1/16-14
1495F-12-12*	3/4	1-1/16-12	1 1/16-14

Note: Fluorocarbon O-ring is standard.

* Comes standard with thread protectors.

Pipe Fittings

207P

Coupling



Part Number	Pipe Thread
207P-2	1/8
207P-4	1/4
207P-6	3/8
207P-8	1/2
207P-12	3/4

208P

Reducer Coupling



Part Number	Pipe Thread 1	Pipe Thread 2
208P-4-2	1/4	1/8
208P-6-4	3/8	1/4
208P-8-4	1/2	1/4
208P-8-6	1/2	3/8
208P-12-6	3/4	3/8
208P-12-8	3/4	1/2

209P

Bushing



Part Number	Pipe Thread 1	Pipe Thread 2
209P-4-2	1/8	1/4
209P-6-2	1/8	3/8
209P-6-4	1/4	3/8
209P-8-2	1/8	1/2
209P-8-4	1/4	1/2
209P-8-6	3/8	1/2
209P-12-2	1/8	3/4
209P-12-4	1/4	3/4
209P-12-6	3/8	3/4
209P-12-8	1/2	3/4
209P-16-8	1/2	1
209P-16-12	3/4	1

210P

Lock Nut



Part Number	Pipe Thread
210P-2	1/8 NPSL
210P-4	1/4 NPSL
210P-6	3/8 NPSL
210P-8	1/2 NPSL

211P

Square-Head Plug



Part Number	Pipe Thread
211P-2	1/8
211P-4	1/4
211P-6	3/8
211P-8	1/2
211P-12	3/4

212P

Union



Part Number	Pipe Thread
212P-4	1/4
212P-6	3/8

213P

Cap



Part Number	Pipe Thread
213P-2	1/8
213P-4	1/4
213P-6	3/8
213P-8	1/2
213P-12	3/4

215PN

Close Nipple



Part Number	Pipe Thread
215PN-2	1/8
215PN-4	1/4
215PN-6	3/8
215PN-8	1/2
215PN-12	3/4

215PNL

Long Nipple



Part Number	Pipe Thread
215PNL-2-15	1/8
215PNL-4-15	1/4
215PNL-6-15	3/8
215PNL-8-15	1/2
215PNL-2-20	1/8
215PNL-4-20	1/4
215PNL-6-20	3/8
215PNL-8-20	1/2
215PNL-2-25	1/8
215PNL-4-25	1/4
215PNL-6-25	3/8
215PNL-8-25	1/2
215PNL-2-30	1/8
215PNL-4-30	1/4
215PNL-6-30	3/8
215PNL-8-30	1/2
215PNL-2-35	1/8
215PNL-4-35	1/4
215PNL-6-35	3/8
215PNL-8-35	1/2

216P

Hex Nipple



Part Number	Pipe Thread
216P-2	1/8
216P-4	1/4
216P-6	3/8
216P-8	1/2
216P-12	3/4

216P

Hex Nipple Reducers



Part Number	Pipe Thread 1	Pipe Thread 2
216P-4-2	1/4	1/8
216P-6-2	3/8	1/8
216P-6-4	3/8	1/4
216P-8-4	1/2	1/4
216P-8-6	1/2	3/8
216P-12-8	3/4	1/2

218P

Hex-Head Plug



Part Number	Pipe Thread
218P-2	1/8
218P-4	1/4
218P-6	3/8
218P-8	1/2
218P-12	3/4

219P

Countersunk Hex-Head Plug



Part Number	Pipe Thread
219P-2	1/8
219P-4	1/4
219P-6	3/8
219P-8	1/2
219P-12	3/4

220P

Slotted-Head Plug



Part Number	Pipe Thread
220P-2	1/8
220P-4	1/4
220P-6	3/8

222P

Adapter



Part Number	Pipe Thread 1	Pipe Thread 2
222P-2-2	1/8	1/8
222P-4-2	1/4	1/8
222P-4-4	1/4	1/4
222P-6-2	3/8	1/8
222P-6-4	3/8	1/4
222P-6-6	3/8	3/8
222P-8-4	1/2	1/4
222P-8-6	1/2	3/8
222P-8-8	1/2	1/2
222P-12-6	3/4	3/8
222P-12-8	3/4	1/2
222P-12-12	3/4	3/4

1200P-2200P

90° Union Elbow



Part Number	Pipe Thread
1200P-2-2	1/8
2200P-2-2	1/8
1200P-4-4	1/4
2200P-4-4	1/4
1200P-6-6	3/8
2200P-6-6	3/8
2200P-8-8	1/2

1202P-2202P

90° Street Elbow



Part Number	Pipe Thread 1	Pipe Thread 2
1202P-2-2	1/8	1/8
2202P-2-2	1/8	1/8
2202PA-2-2*	1/8	1/8
2202P-4-2	1/4	1/8
1202P-4-4	1/4	1/4
2202P-4-4	1/4	1/4
2202PA-4-4*	1/4	1/4
2202P-4-6	1/4	3/8
1202P-6-4	3/8	1/4
1202P-6-6	3/8	3/8
2202P-6-6	3/8	3/8
2202PA-6-6*	3/8	3/8
1202P-6-8	3/8	1/2
1202P-8-6	1/2	3/8
2202P-8-8	1/2	1/2
2202P-12-8	3/4	1/2
2202P-12-12	3/4	3/4

* Meets SAE dimensions.

1203P-2203P

Union Tee



Part Number	Pipe Thread
1203P-2	1/8
2203P-2	1/8
1203P-4	1/4
2203P-4	1/4
2203P-6	3/8
1203P-8	1/2
2203P-8	1/2
2203P-12	3/4

1204P

Male Elbow



Part Number	Pipe Thread
1204P-2	1/8
1204P-4	1/4
1204P-6	3/8
1204P-8	1/2

2224P

Male Branch Tee



Part Number	Pipe Thread
2224P-2	1/8
2224P-4	1/4
2224P-6	3/8
2224P-8	1/2
2224P-12	3/4

2225P

Street Tee



Part Number	Pipe Thread
2225P-2	1/8
2225P-4	1/4
2225P-6	3/8
2225P-8	1/2
2225P-12	3/4

2200PDE

Drop-ear 90° Elbow



Part Number	Pipe Thread
2200PDE-2	1/8

1201P-2201P

45° Female Elbow



Part Number	Pipe Thread
2201P-2-2	1/8
1201P-8-8	1/2

2205P

Cross



Part Number	Pipe Thread
2205P-2	1/8
2205P-4	1/4
2205P-6	3/8
2205P-8	1/2
2205P-12	3/4

2214P

45° Street Elbow



Part Number	Pipe Thread
2214P-2-2	1/8
2214P-4-4	1/4
2214P-6-6	3/8
2214P-8-8	1/2

207ACBH

Anchor Coupling



Part Number	Feamle Pipe Thread	Straight Thread
207ACBH-2	1/8	5/8-18
207ACBHS-2	1/8	5/8-18
207ACBH-4	1/4	3/4-16
207ACBHS-4	1/4	3/4-16
207ACBH-6	3/8	1-14
207ACBH-8	1/2	1-1/8-14
207ACBH-12	3/4	1-5/16-12
207ACBH-16*	1	1-5/8-14

* Lock washer not available.

Inverted Flared Fittings

41IF

Nut

Ref. SAE 040110



Part Number	Tube Size	Straight Thread
41IF-2	1/8	5/16-28
41IF-3	3/16	3/8-24
41IF-4	1/4	7/16-24
41IF-5	5/16	1/2-20
41IF-6	3/8	5/8-18
41IF-8	1/2	3/4-18

41IFS

Steel Nut-Zinc

Ref. SAE 040110



Part Number	Tube Size	Straight Thread
41IFS-3	3/16	3/8-24
41IFS-4	1/4	7/16-24
41IFS-5	5/16	1/2-20
41IFS-6	3/8	5/8-18
41IFS-8	1/2	3/4-18
41IFS-10	5/8	7/8-18
41IFS-12	3/4	1-1/16-16

41IFF

Piloted Nut for Single Flared Tubing

Ref. SAE 040110



Part Number	Tube Size	Straight Thread
41IFF-2	1/8	5/16-28
41IFF-3	3/16	3/8-24
41IFF-4	1/4	7/16-24
41IFF-5	5/16	1/2-20
41IFF-6	3/8	5/8-18
41IFF-8	1/2	3/4-18

42IFHD

Union

Ref. SAE 040101



Part Number	Tube Size	Straight Thread
42IFHD-2	1/8	5/16-28
42IFHD-3	3/16	3/8-24
42IFHD-4	1/4	7/16-24
42IFHD-5	5/16	1/2-20
42IFHD-6	3/8	5/8-18
42IFHD-8	1/2	3/4-18

46IFHD

Female Connector

Ref. SAE 040103



Part Number	Tube Size	Pipe Thread	Straight Thread
46IFHD-3-2	3/16	1/8	3/8-24
46IFHD-4-2	1/4	1/8	7/16-24
46IFHD-5-2	5/16	1/8	1/2-20
46IFHD-6-4	3/8	1/4	5/8-18
46IFHD-8-6	1/2	3/8	3/4-18

48IFHD

Male Connector

Ref. SAE 040102



Part Number	Tube Size	Pipe Thread	Straight Thread
48IFHD-2-2	1/8	1/8	5/16-28
48IFHD-3-2	3/16	1/8	3/8-24
48IFHD-4-2	1/4	1/8	7/16-24
48IFHD-4-4	1/4	1/4	7/16-24
48IFHD-5-2	5/16	1/8	1/2-20
48IFHD-5-4	5/16	1/4	1/2-20
48IFHD-6-2	3/8	1/8	5/8-18
48IFHD-6-4	3/8	1/4	5/8-18
48IFHD-6-6	3/8	3/8	5/8-18
48IFHD-8-4	1/2	1/4	3/4-18
48IFHD-8-6	1/2	3/8	3/4-18
48IFHD-8-8	1/2	1/2	3/4-18
48IFHD-10-8	5/8	1/2	7/8-18
48IFHD-12-12	3/4	3/4	1-1/16-16

244IFHD

Union Tee

Ref. SAE 040401



Part Number	Tube Size	Straight Thread
244IFHD-3	3/16	3/8-24
244IFHD-4	1/4	7/16-24
244IFHD-5	5/16	1/2-20
244IFHD-6	3/8	5/8-18
244IFHD-8*	1/2	3/4-18

*Does not meet U.L. or SAE.

245IFHD

Male Branch Tee
Ref. SAE 040425



Part Number	Tube Size	Pipe Thread	Straight Thread
245IFHD-4-2	1/4	1/8	7/16-24
245IFHD-6-4	3/8	1/4	5/8-18

249IFHD-249IF

Male Elbow
Ref. SAE 040202



Part Number	Tube Size	Pipe Thread	Straight Thread
249IFHD-2-2	1/8	1/8	5/16-28
249IFHD-3-2	3/16	1/8	3/8-24
249IFHD-4-2+	1/4	1/8	7/16-24
249IFHD-4-4	1/4	1/4	7/16-24
249IFHD-5-4	5/16	1/4	1/2-20
249IFHD-6-2+	3/8	1/8	5/8-18
249IF-6-4†	3/8	1/4	5/8-18
249IFHD-6-4	3/8	1/4	5/8-18
249IFHD-6-6	3/8	3/8	5/8-18
249IFHD-8-4+	1/2	1/4	3/4-18
249IF-8-6+	1/2	3/8	3/4-18
249IFHD-8-6+	1/2	3/8	3/4-18
249IFHD-8-8	1/2	1/2	3/4-18
249IFHD-10-6+	5/8	3/8	7/8-18
249IFHD-10-8+	5/8	1/2	7/8-18

† Light Duty Series

+ For these parts the Pipe Thread through hole is smaller than the through hole on the flare end.

252IFHD

Female Branch Tee
Ref. SAE 040427



Part Number	Tube Size	Pipe Thread	Straight Thread
252IFHD-5-2	5/16	1/8	1/2-20
252IFHD-6-4	3/8	1/4	5/8-18

255IFHD

Union Elbow



Part Number	Tube Size	Straight Thread
255IFHD-4	1/4	7/16-24

259IFHD

45° Elbow
Ref. SAE 040302



Part Number	Tube Size	Pipe Thread	Straight Thread
259IFHD-3-2	3/16	1/8	3/8-24
259IFHD-4-2	1/4	1/8	7/16-24
259IFHD-5-2	5/16	1/8	1/2-20
259IFHD-5-4	5/16	1/4	1/2-20
259IFHD-6-4*	3/8	1/4	5/8-18
259IFHD-8-6	1/2	3/8	3/4-18
259IFHD-10-8	5/8	1/2	7/8-18

* Does not meet SAE or U.L.

69GH, 70GH, 71GH

Male Hose to Male Pipe



Part Number	Hose Thread	Pipe Thread
69GH-12-4	3/4	1/4
69GH-12-6	3/4	3/8
70GH-12-8	3/4	1/2
71GH-12-12	3/4	3/4

75GH

Male Hose to Male Hose



Part Number	Hose Thread
75GH-12	3/4

82GH, 83GH

Female Hose to Male Pipe



Part Number	Hose Thread	Pipe Thread
82GH-12-8	3/4	1/2
83GH-12-12	3/4	3/4

78GH, 79GH, 80GH, 81GH

Male Hose to Female Pipe



Part Number	Hose Thread	Pipe Thread
78GH-12-4	3/4	1/4
79GH-12-6	3/4	3/8
80GH-12-8	3/4	1/2
81GH-12-12	3/4	3/4

250IFHD

Female Elbow
Ref. SAE 040203



Part Number	Tube Size	Pipe Thread	Straight Thread
250IFHD-3-2	3/16	1/8	3/8-24
250IFHD-4-2	1/4	1/8	7/16-24
250IFHD-5-2	5/16	1/8	1/2-20
250IFHD-6-4	3/8	1/4	5/8-18

251IFHD

Male Run Tee
Ref. SAE 040424



Part Number	Tube Size	Pipe Thread	Straight Thread
251IFHD-3-2	3/16	1/8	3/8-24
251IFHD-5-2	5/16	1/8	1/2-20
251IFHD-6-4	3/8	1/4	5/8-18

Garden Hose Fittings

50GHSV

Swivel Connector SAE Flare to Female Hose Thread



Part Number	Tube Size	Hose Thread
50GHSV-6-12	3/8	3/4
50GHSV-8-12	1/2	3/4

53GH, 54GH, 55GH

Hose Barb to Male Hose Thread



Part Number	ID Hose Size	Hose Thread
53GH-8-12	1/2	3/4
54GH-10-12	5/8	3/4
55GH-12-12	3/4	3/4

88GH

Swivel Connector Female Garden Hose to Male Pipe



Part Number	Hose Thread	Pipe Thread
88GH-12-4	3/4	1/4
88GH-12-6	3/4	3/8

[Link to Master Table of Contents](#)

[Link to Section Table of Contents](#)

90GH

Swivel Connector
Female Garden Hose
to Hose Barb



Part Number	Hose Thread	ID Hose Size
90GH-12-3	3/4	3/16
90GH-12-4	3/4	1/4
90GH-12-6	3/4	3/8
90GH-12-8	3/4	1/2
90GH-12-10*	3/4	5/8
90GH-12-12*	3/4	3/4

* Denotes hex body.

94GH

Knurled Hose Nut



Part Number	Hose Thread
94GH-12	3/4

95GH

Hose Nut Reducer



Part Number	Hose Thread	Pipe Thread
95GH-12-2	3/4	1/8

96GH

Hose Cap Nut



Part Number	Hose Thread
96GH-12	3/4

98GH, 99GH

Female Hose to
Female Pipe



Part Number	Hose Thread	Pipe Thread
98GH-12-8	3/4	1/2
99GH-12-12	3/4	3/4

98GHSV, 99GHSV

Swivel Connector
Female Hose to Female Pipe



Part Number	Hose Thread	Pipe Thread
98GHSV-12-8	3/4	1/2
99GHSV-12-12	3/4	3/4

101GHSV

Swivel Nut Connector



Part Number	Hose Thread
101GHSV-12	3/4

901GH

Rubber Garden Hose
Coupling Washer



Part Number	Hose Thread
901GH-12	3/4

NOTE: All female connector ends should have this rubber washer.

1163-61-BPD

High Flow Nipple



Part Number	Body Size	Thread Size NH
1163-61-BPD	3/4	3/4-11 1/2

1163-60-BPD

High Flow Coupler



Part Number	Body Size	Thread Size NH
1163-60-BPD	3/4	3/4-11 1/2

Hose Barb Fittings

68HB

Beaded Hose Barb to
Male Pipe



Part Number	ID Hose Size	Pipe Thread
68HB-6-6	3/8	3/8
68HB-8-4	1/2	1/4
68HB-8-6	1/2	3/8
68HB-8-8	1/2	1/2
68HB-10-6	5/8	3/8
68HB-10-8	5/8	1/2
68HB-12-8	3/4	1/2
68HB-12-12	3/4	3/4
68HB-16-12	1	3/4
68HB-16-16	1	1

685HB

Beaded Hose Barb to
SAE Straight Thread



Part Number	ID Hose Size	Straight Thread
685HB-4-4	1/4	7/16-20
685HB-6-4	3/8	7/16-20
685HB-8-8	1/2	3/4-16
685HB-10-8	5/8	3/4-16
685HB-12-8	3/4	3/4-16
685HB-12-12	3/4	1 1/16-12
685HB-16-8	1	3/4-16
685HB-16-12	1	1 1/16-12

Note: Fluorocarbon O-ring is standard.

68HB-X-MIX

Hose Barb to Metric
Adapter



Part Number	Tube Size	Metric Thread
68HB-6-M12	3/8	M12 x 1.5
68HB-6-M14	3/8	M14 1.5
68HB-8-M12	1/2	M12 x 1.5
68HB-10-M127	5/8	M27 x 2.0

Note: Fluorocarbon O-ring is standard.

97HC

Stainless Steel
Worm Drive Clamp



Part Number
97HC-3
97HC-6
97HC-8
97HC-12

122HBL

Hose Mender



Part Number	ID Hose Size
122HB-3	3/16
122HBL-4	1/4
122HBL-5	5/16
122HBL-6	3/8
122HBL-8	1/2
122HBL-12	3/4

125HB

Hose Barb to Male Pipe



Part Number	ID Hose Size	Pipe Thread
125HB-2-2	1/8	1/8
125HB-3-2	3/16	1/8
125HB-3-4	3/16	1/4

125HBL

Hose Barb to Male Pipe



Part Number	ID Hose Size	Pipe Thread
125HBL-4-2	1/4	1/8
125HBL-4-4	1/4	1/4
125HBL-4-6	1/4	3/8
125HBL-5-2	5/16	1/8
125HBL-5-4	5/16	1/4
125HBL-5-6	5/16	3/8
125HBL-6-2	3/8	1/8
125HBL-6-4	3/8	1/4
125HBL-6-6	3/8	3/8
125HBL-6-8	3/8	1/2
125HBL-8-4	1/2	1/4
125HBL-8-6	1/2	3/8
125HBL-8-8	1/2	1/2
125HBL-8-12	1/2	3/4
125HBL-10-6	5/8	3/8
125HBL-10-8	5/8	1/2
125HBL-10-12	5/8	3/4
125HBL-12-8	3/4	1/2
125HBL-12-12	3/4	3/4
125HBL-16-12	1	3/4
125HBL-16-16	1	1

125HBSV

Male Swivel Hose Barb



Part Number	ID Hose Size	Pipe Thread
125HBSV-4-4	1/4	1/4
125HBSV-6-4	3/8	1/4
125HBSV-6-6	3/8	3/8
125HBSV-8-8	1/2	1/2

126HBL

Hose Barb to Female Pipe



Part Number	ID Hose Size	Pipe Thread
126HBL-4-2	1/4	1/8
126HBL-4-4	1/4	1/4
126HBL-5-4	5/16	1/4
126HBL-6-2	3/8	1/8
126HBL-6-4	3/8	1/4
126HBL-6-6	3/8	3/8
126HBL-8-6	1/2	3/8
126HBL-8-8	1/2	1/2
126HBL-12-12	3/4	3/4

127HB

Ball-End Joint Adapter to Male Pipe

For use with 128HBSV



Part Number	Male NPSM Thread	Male NPT Thread
127HB-4-2	1/4	1/8
127HB-4-4	1/4	1/4
127HB-6-4	3/8	1/4
127HB-6-6	3/8	3/8
127HB-8-6	1/2	3/8
127HB-8-8	1/2	1/2

128HBSV

Hose Barb to Swivel Female Ball-End



Part Number	ID Hose Size	Female NPSM Thread
128HBSV-4-4	1/4	1/4
128HBSV-5-4	5/16	1/4
128HBSV-6-4	3/8	1/4
128HBSV-6-6	3/8	3/8
128HBSV-8-8	1/2	1/2

1295HB

Hose Barb Elbow to SAE Straight Thread



Part Number	ID Hose Size	Straight Thread
1295HB-6-6	3/8	9/16-18

Note: Fluorocarbon O-ring is standard.

129HB

Hose Barb 90° Elbow to Male Pipe



Part Number	ID Hose Size	Pipe Thread
129HB-3-2	3/16	1/8
129HB-4-2	1/4	1/8
129HB-4-4	1/4	1/4
129HB-4-6	1/4	3/8
129HB-5-2	5/16	1/8
129HB-5-4	5/16	1/4
129HB-5-6	5/16	3/8
129HB-6-2	3/8	1/8
129HB-6-4	3/8	1/4
129HB-6-6	3/8	3/8
129HB-6-8	3/8	1/2
129HB-8-4	1/2	1/4
129HB-8-6	1/2	3/8
129HB-8-8	1/2	1/2
129HB-12-12	3/4	3/4

139HB

Hose Barb 45° Elbow to Male Pipe



Part Number	ID Hose Size	Pipe Thread
139HB-4-2	1/4	1/8
139HB-4-4	1/4	1/4
139HB-6-4	3/8	1/4

146HBLFSV

Hose Barb to Swivel 45° Female Flare



Part Number	ID Hose Size	Straight Thread
146HBLFSV-4-4	1/4	7/16-20
146HBLFSV-4-6	1/4	5/8-18
146HBLFSV-6-6	3/8	5/8-18

1695HB

Beaded Hose Barb Elbow to SAE Straight Thread



Part Number	Hose Size	Straight Thread
1695HB-6-4	3/8	7/16-20
1695HB-8-6	1/2	9/16-18
1695HB-8-8	1/2	3/4-16
1695HB-10-8	5/8	3/4-16
1695HB-10-10	5/8	7/8-14
1695HB-12-8	3/4	3/4-16
1695HB-12-10	3/4	7/8-14
1695HB-12-12	3/4	1 1/16-12
1695HB-16-12	1	1 1/16-12

Note: Fluorocarbon O-ring is standard.

[Link to Master Table of Contents](#)

[Link to Section Table of Contents](#)

1725HB

Hose Barb Tee to SAE Straight Thread



Part Number	ID Hose Size	Straight Thread
1725HB-6-6	3/8	9/16-18

Note: Fluorocarbon O-ring is standard.

171HB

Hose Barb Tee to Male Pipe



Part Number	ID Hose Size	Pipe Thread
171HB-4-4	1/4	1/4

179HB

Beaded Hose Barb 45° Elbow Tube to Male Pipe



Part Number	ID Hose Size	NPTF Thread
179HB-6-4	3/8	1/4-18
179HB-6-6	3/8	3/8-18
179HB-10-8	5/8	1/2-14
179HB-12-8	3/4	1/2-14

1795HB

Beaded Hose Barb 45° Elbow Tube to Straight Thread



Part Number	ID Hose Size	Straight Thread
1795HB-8-8	1/2	3/4-16
1795HB-10-8	5/8	3/4-16
1795HB-12-8	3/4	3/4-16
1795HB-12-12	3/4	1 1/16-12
1795HB-16-12	1	1 1/16-12
1795HB-16-14	1	1 3/16-12

Note: Fluorocarbon O-ring is standard.

269HB

Beaded Hose Barb 90° Elbow Tube to Male Pipe



Part Number	ID Hose Size	Pipe Thread
269HB-6-6	3/8	3/8
269HB-8-4	1/2	1/4
269HB-8-6	1/2	3/8
269HB-8-8	1/2	1/2
269HB-10-4	5/8	1/4
269HB-10-6	5/8	3/8
269HB-10-8	5/8	1/2
269HB-12-8	3/4	1/2
269HB-12-12	3/4	3/4

279HB

Beaded Hose Barb 45° Elbow Tube to Male Pipe



Part Number	ID Hose Size	NPTF Thread
279HB-16-12	1	3/4-14

ISO Port Adapters

68NTA-X-MIX

NTA to Metric Adapter



Part Number	Tube Size	Metric Thread
68NTA-4-MI10	1/4	M10 x 1.0

Note: Fluorocarbon o-ring is standard.
For working pressure and temperature see Air Brake-NTA Section

48F-X-MIX

Flare to Metric Adapter



Part Number	Tube Size	Metric Thread	Straight Thread Tube
48F-8-MI16	1/2	M16 X 1.5	3/4-16
48F-10-MI27	5/8	M27 x 2.0	7/8-14
48F-12-MI27*	3/4	M27 x 2.0	1 1/16-14

Note: Fluorocarbon o-ring is standard.
*Comes standard with thread protectors.

149F-X-MIX

Flare Elbow to SAE Metric Straight Thread



Part Number	Tube Size	Metric Thread	Straight Thread Tube
149F-10-MI27	5/8	M27 x 2.0	7/8-14

Note: Fluorocarbon O-ring is standard.

159F-X-MIX

45° Flare Elbow to SAE Metric Straight Thread



Part Number	Tube Size	Metric Thread	Straight Thread Tube
159F-8-MI16	1/2	M16 X 1.5	3/4-16
159F-10-MI27	5/8	M27 x 2.0	7/8-14

Note: Fluorocarbon O-ring is standard.

222P-X-MIX

Pipe to Metric Adapter



Part Number	NPTF	Metric Thread
222P-2-MI10	1/8-27	M10 x 1.0
222P-2-MI14	1/8-27	M14 x 1.5
222P-4-MI12	1/4-18	M12 x 1.5
222P-4-MI14	1/4-18	M14 x 1.5
222P-6-MI16	3/8-18	M16 x 1.5
222P-6-MI22	3/8-18	M22 x 1.5
222P-8-MI27	1/2-14	M27 x 2.0

Note: Fluorocarbon O-ring is standard.

169HB-X-MIX

Beaded Elbow to Metric Adapter



Part Number	Hose Size	Metric Thread
169HB-10-MI27	5/8	M27 x 2.0
169HB-16-MI27	1	M27 x 2.0
169HB-16-MI33	1	M33 x 2.0

Note: Fluorocarbon O-ring is standard.

179HB-X-MIX

Beaded Hose Barb 45° Elbow to Metric Thread



Part Number	Hose Size	Metric Thread
179HB-12-MI18	3/4	M18 x 1.5
179HB-16-MI27	1	M27 x 2.0

Note: Fluorocarbon O-ring is standard.