

## Introduction

Heldon has been a specialist in manufacturing brass fittings for over 70 years and operate a world competitive fully automated forging and robotic manufacturing cell in conjunction with precision computerised NC lathes.

Using only "A" grade materials and manufacturing to tight tolerances for threads, clearances and sealing faces, Heldon fittings are ideal for the demanding requirements of modern refrigerants and other seal critical industries. Flared connections from 1/8"OD to 3/4"OD can have a safe working pressure up to 4,200kpa (620)psi depending on size and a temperature range from -50°C to 120°C. Heldon's fittings are chemically cleaned for contaminant free installations. Oxygen cleaning is also available.



### Flare Nuts

- With the high cost of refrigerants, higher pressures and more extremes in the range of working temperatures Heldon's forged flare nuts are your best insurance policy for reducing the chance of leaks and fractures at these critical joints.
- Heldon's "Frost-proof" series of flare nuts are the ultimate solution, and a must where condensation and frosting could lead to pipe damage or nut creep.
- Heldon's range of forged flare nuts, (500,501,502) are considerably much stronger than Machined nuts, and will withstand maximum system pressures.
- Heldon now have a specific range suited to the pressure and dimensional requirements for R410A.

### Schrader Fittings

- Heldon manufactures Schrader access and depressor valves in a variety of bodies for many purposes. Other thread size or combinations are available on request (Quantity Dependent).
- Schrader valves used in all Heldon fitting feature Heldonprene™ seats that are suitable for all fluorinated refrigerants and up to a safe working pressure of 4,200 kpa.(610PSI)
- R410a designated fittings have a 5/16 male flare as the Schrader end.
- All fittings are supplied with one a cap and core. Additional caps, cores and tools are available separately.

## Standard Thread Table

SAE		JIC		BSP		NPT	
Tube Size	Thread Size	Tube Size	Thread Size	Tube Size	Thread Size	Tube Size	Thread Size
1/8	5/16-24	1/8	5/16-24	1/8	1/8-28	1/8	1/8-27
3/16	3/8-24	3/16	3/8-24	1/4	1/4-19	1/4	1/4-18
1/4	7/16-20	1/4	7/16-20	3/8	3/8-19	3/8	3/8-18
5/16	1/2-20	5/16	1/2-20	1/2	1/2-14	1/2	1/2-14
3/8	5/8-18	3/8	9/16-18	3/4	3/4-14	3/4	3/4-14
1/2	3/4-16	1/2	3/4-16	1	1-11	1	1-11 1/2
5/8	7/8-14	5/8	7/8-14	1 1/4	1 1/4-11	1 1/4	1 1/4-11 1/2
3/4	1 1/16-14	3/4	1 1/16-12	1 1/2	1 1/2-11	1 1/2	1 1/2-11 1/2
7/8	1 1/4-12	7/8	1 3/16-12	2	2-11	2	2-11 1/2
1	1 3/8-12	1	1 5/16-12	2 1/2	2 1/2-11	2 1/2	2 1/2-8
				3	3-11	3	3-8
				3 1/2	3 1/2-11	3 1/2	3 1/2-8
				4	4-11	4	4-8

## Flare Nuts Forged Long Barrel Nuts Long Barrel SAE

Part No.	Connection/ID	Pkt
500-0303	3/16 FLARE	10
500-0303/100	3/16 FLARE	100
500-0404	1/4 FLARE	10
500-0404/100	1/4 FLARE	100
500-0505	5/16 FLARE	10
500-0505/100	5/16 FLARE	100
500-0604	3/8 FLARE x 1/4 ID	10
500-0606	3/8 FLARE	10
500-0606/100	3/8 FLARE	100
500-0806	1/2 FLARE x 3/8 ID	5
500-0808	1/2 FLARE	5
500-0808/50	1/2 FLARE	50
500-1006	5/8 FLARE x 3/8 ID	2
500-1008	5/8 FLARE x 1/2 ID	2
500-1010	5/8 FLARE	2
500-1010/20	5/8 FLARE	20
500-1210	3/4 FLARE x 5/8 ID	2
500-1212	3/4 FLARE	2
500-1212/20	3/4 FLARE	20



## Forged Frostproof Long Barrel Nuts Long Barrel SAE

Part No.	Connection/ID	Pkt
502-0404	1/4 FLARE	10
502-0404/100	1/4 FLARE	100
502-0504	5/16 FLARE x 1/4 ID	10
502-0505	5/16 FLARE	10
502-0505/100	5/16 FLARE	100
502-0604	3/8 FLARE x 1/4 ID	10
502-0606	3/8 FLARE	10
502-0606/100	3/8 FLARE	100
502-0806	1/2 FLARE x 3/8 ID	5
502-0808	1/2 FLARE	5
502-0808/50	1/2 FLARE	50
502-1006	5/8 FLARE x 3/8 ID	2
502-1008	5/8 FLARE x 1/2 ID	2
502-1010	5/8 FLARE	2
502-1010/20	5/8 FLARE	20
502-1210	3/4 FLARE x 5/8 ID	2
502-1210/20	3/4 FLARE x 5/8 ID	20
502-1212	3/4 FLARE	2
502-1212/20	3/4 FLARE	20



## Forged Short Barrel Short Barrel SAE

Part No.	Connection/ID	Pkt
501-0404	1/4 FLARE	10
501-0404/100	1/4 FLARE	100
501-0505	5/16 FLARE	10
501-0505/100	5/16 FLARE	100
501-0604	3/8 FLARE x 1/4 ID	10
501-0605	3/8 FLARE x 5/16 ID	10
501-0606	3/8 FLARE	10
501-0606/100	3/8 FLARE	100
501-0806	1/2 FLARE x 3/8 ID	5
501-0808	1/2 FLARE	5
501-0808/50	1/2 FLARE	50
501-1008	5/8 FLARE x 1/2 ID	2
501-1010	5/8 FLARE	2
501-1010/20	5/8 FLARE	20
501-1212	3/4 FLARE	2
501-1212/20	3/4 FLARE	20

## R410A

501-0504-410A	5/16 FLARE x 1/4 ID	10
501-0504-410A/100	5/16 FLARE x 1/4 ID	100
501-0606-410A	3/8 FLARE	10
501-0606-410A/100	3/8 FLARE	100
501-0808-410A	1/2 FLARE	5
501-0808-410A/50	1/2 FLARE	50
501-1010-410A	5/8 FLARE	2
501-1010-410A/20	5/8 FLARE	20
501-1212-410A	3/4 FLARE	2
501-1212-410A/20	3/4 FLARE	20



## Swivel Flare Adaptors FSAE x Copper Tail

Part No.	Connection/ID	Pkt
96-04	1/4 x SAE FLARE	2
96-06	3/8 x SAE FLARE	2
96-08	1/2 x SAE FLARE	2
96-10	5/8 x SAE FLARE	2
96-12	3/4 x SAE FLARE	2
96-14	7/8 x SAE FLARE	2



## Swivel Connectors Female SAE to Female SAE

Part No.	Connection	Pkt
95-04	1/4 FSAE x 1/4 FSAE	2
95-05	5/16 FSAE x 5/16 FSAE	2
95-06	3/8 FSAE x 3/8 FSAE	2
95-0604	3/8 FSAE x 1/4 FSAE - Reducing	2
95-08	1/2 FSAE x 1/2 FSAE	2
95-0806	1/2 FSAE x 3/8 FSAE - Reducing	2
95-10	5/8 FSAE x 5/8 FSAE	2
95-1008	5/8 FSAE x 1/2 FSAE - Reducing	2
95-12	3/4 FSAE x 3/4 FSAE	2



## Schrader Components

Part No.	Connection	Pkt
55-1	SCHRADER VALVE CORE	10
55-1-410A	SCHR VALVE CORE-410A	10
55-2	SCHRADER CAP-with O'Ring	10
55-2-410A	SCHR CAP & O'RING-410A	10
55-3	SCHRADER CAP with TOOL	10
55-4	"O" ring (Included with cap)	10
55-5	SCREW DEPRESSOR +3 gasket	10
55-2AL	ALUMINIUM CAP	10



## Schrader Crosses 3 Schraders x 1 Male thread

Part No.	Connection	Pkt
	Schrader x Male NPT	
53-04040402	1/4 SCHR x 3 x 1/8 MNPT	1
53-04040404	1/4 SCHR x 3 x 1/4 MNPT	1
	Schrader (Swivel) x Male NPT	
53-04040404S	1/4 SCHR x 2 x F/SWIVEL x 1/4 MNPT	1
	Schrader x Male BSP	
54-04040402	1/4 SCHR x 3 x 1/8 MBSP	1
54-04040404	1/4 SCHR x 3 x 1/4 MBSP	1
	Schrader (Swivel) x Male BSP	
54-04040404S	1/4 SCHR x 2 x F/SWIVEL x 1/4 MBSP	1



## Schrader Unions

### Schrader x Male SAE Flare

Part No.	Connection
55-0404	1/4 SCHR x 1/4 MSAE

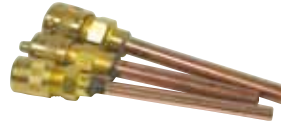
### Schrader x Male BSP

56-0402	1/4 SCHR x 1/8 MBSP
56-0404	1/4 SCHR x 1/4 MBSP
56-0504-410A	5/16 SCHR x 1/4 MBSP-410A
57-0402	1/4 SCHR x 1/8 MNPT
57-0404	1/4 SCHR x 1/4 MNPT



## Schrader Flare to Copper Tail 60mm extensions

Part No.	Connection	Pkt
58-0402	1/4 SCHR x 1/8 CU Tail	5
58-0403	1/4 SCHR x 3/16 CU Tail	5
58-0403-TC	1/4 SCHR x 3/16 CU Tail + Tool	
	Cap&Core	5
58-0404	1/4 SCHR x 1/4 CU Tail	5
58-0404/50	1/4 SCHR x 1/4 CU Tail	50
58-0404/100	1/4 SCHR x 1/4 CU Tail	100
58-0404A1	As Above - exclude Cap & Core	5
58-0404A1/50	As Above - exclude Cap & Core	50
58-0404-TC	1/4 SCHR x 1/4 CU Tail + Tool	
	Cap&Core	5
58-0404-TC/50	1/4 SCHR x 1/4 CU Tail + Tool	
	Cap&Core	50
58-0405	1/4 SCHR x 5/16 CU Tail	5
58-0406	1/4 SCHR x 3/8 CU Tail	5
58-0504-410A	5/16 SCHR x 1/4 CU Tail - 410A	5



## Schrader Step Unions

### Schrader Flare to Steps

Part No.	Connection
59-0403-3	1/4 SCHR - 3 STEP 3/16 to 3/8
59-0403-3/50	1/4 SCHR - 3 STEP 3/16 to 3/9
59-0404	1/4 SCHR - 1/4 ID for TUBE
60-04-5	1/4 SCHR - 5 STEP 1/8to1/2



## Schrader Elbows

### Flare to Male Taper BSP

Part No.	Connection
61-0402	1/4 SCHR x 1/8 MBSP
61-0404	1/4 SCHR x 1/4 MBSP

### Schr Flare to Male Taper NPT

62-0402	1/4 SCHR x 1/8 MNPT
62-0404	1/4 SCHR x 1/4 MNPT

### Schr Flare to Female SWIVEL SAE

63-0404	1/4 SCHR x 1/4 F/SWIVEL SAE
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## Schrader Swivel Tees

### Swivel Nut on branch

Part No.	Connection	Pkt
64-040404	1/4 SCHR x 1/4 SCHR x 1/4 FSAE	2
64-040404D	1/4 SCHR x 1/4 SCHR x 1/4 FSAE (with depressor and seal in nut)	2
64-050505D -410A	5/16 SCHR LINE x 5/16 FSAE-410A	2



## Schrader Tees Swivel Nut on the run

### Swivel Nut on the run

Part No.	Connection	Pkt
65-040404	1/4 FSAE x 1/4 SCHR x 1/4 SCHR	2
65-040404D	1/4 FSAE x 1/4 SCHR x 1/4 SCHR	2



## Schrader Step Tees

### Tee with stepped run and schrader branch

Part No.	Connection	Pkt
66-040404	SCHR x 1/4", 5/16" STEP x SCHR	2



## Schrader on run lines to Female SAE Branch

Part No.	Connection	Pkt
67-040404	1/4 SCHR x 1/4 SCHR x 1/4 FSAE	2



## Schr Flare to MBSP

68-040404	1/4 SCHR x 1/4 SCHR x 1/4 MBSP	2
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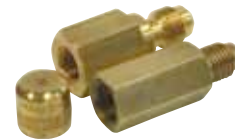
## Schr Flare to MNPT

Part No.	Connection	Pkt
69-040402	1/4 SCHR x 1/4 SCHR x 1/8 MNPT	2
69-040404	1/4 SCHR x 1/4 SCHR x 1/4 MNPT	2



## Schrader Union 410A

Part No.	Connection	Pkt
274-0405D-410A	1/4 MSAE schr x 5/16 FSAE-410A	1
274-0504D-410A	5/16 MSAE schr x 1/4 FSAE-410A (with depressor and seal)	1
274-0506-410A	5/16 MSAE schr x 3/8 FSAE-410A	1



## Cylinder Adaptors

### Male SAE Flare x Female Parallel BSP

Part No.	Connection	Pkt
20-0404	1/4 MSAE x 1/4 FBSPP	1
20-0408	1/4 MSAE x 1/2 FBSPP	1
20-0410	1/4 MSAE x 5/8 FBSPP	1
20-0412	1/4 MSAE x 3/4 FBSPP	2
20-0512	5/16 MSAE x 3/4 FBSPP	2
20-0604	3/8 MSAE x 1/4 FBSPP	1
20-0606	3/8 MSAE x 3/8 FBSPP	1
20-0610	3/8 MSAE x 5/8 FBSPP	1
20-0612	3/8 MSAE x 3/4 FBSPP	2
20-0812	1/2 MSAE x 3/4 FBSPP	1
20-1010	5/8 MSAE x 5/8 FBSPP	1
20-1012	5/8 MSAE x 3/4 FBSPP	1
20-0512-410A	5/16 MSAE x 3/4 FBSPP	1



## Special Acme Adaptors

### Male ACME to Female BSP Parallel

21-08	1/2 ACME SEALING CAP	5
21-0812	1/2 MACME x 3/4 FBSPP	2

### Male ACME to Male NPT

270-0802	1/2 MACME x 1/8 MNPT	2
270-0804	1/2 MACME x 1/4 MNPT	2
271-0802	1/2 MACME schr x 1/8 MNPT	2
271-0804	1/2 MACME schr x 1/4 MNPT	2

### Male ACME to Female SAE Flare

272-0804	1/2 MACME x 1/4 FSAE	2
273-0804	1/2 MACME schr x 1/4 FSAE	2

### Male SAE Flare to Female ACME (with O'Ring)

275-0408	1/4 MSAE x 1/2 FACME	2
276-0408	1/4 MSAE schr x 1/2 FACME	2

### Male Metric to Female ACME

279-01008	MALE M10 - 1.5 x 1/2 FACME	2
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## Cylinder Caps

### Suit Male Parallel BSP

Part No.	Connection	Pkt
26-08	1/2 FBSPP	2
26-12	3/4 FBSPP	2
977-1507	Suit 3/4 FBSP Adapter	10

## Fusible Safety Plugs

### Male Taper BSP

Part No.	Connection	Pkt
50-02130	1/8 MBSP FUSIBLE PLUG-54C	2
50-02160	1/8 MBSP FUSIBLE PLUG-71C	2
50-02200	1/8 MBSP FUSIBLE PLUG-93C	2
50-02280	1/8 MBSP FUSIBLE PLUG-138C	2
50-04136	1/4 MBSP FUSIBLE PLUG-58C	1
50-04160	1/4 MBSP FUSIBLE PLUG-71C	1
50-04200	1/4 MBSP FUSIBLE PLUG-93C	1
50-06136	3/8 MBSP FUSIBLE PLUG-58C	1
50-06275	3/8 MBSP FUSIBLE PLUG-135C	1
50-08160	1/2 MBSP FUSIBLE PLUG-71C	1
50-12200	3/4 MBSP FUSIBLE PLUG-93C	1



## Seal Plugs

### Male SAE Flare

Part No.	Connection	Pkt
70-04	1/4 MSAE	5
70-05	5/16 MSAE	5
70-06	3/8 MSAE	5
70-08	1/2 MSAE	5
70-10	5/8 MSAE	2
70-12	3/4 MSAE	2



## Seal Caps

### Female SAE Flare

Part No.	Connection	Pkt
75-03	3/16 FSAE	10
75-04	1/4 FSAE	10
75-05	5/16 FSAE	5
75-06	3/8 FSAE	5
75-08	1/2 FSAE	5
75-10	5/8 FSAE	2
75-12	3/4 FSAE	1



### Male Taper BSP

Part No.	Connection	Pkt
80-02	1/8 MBSP	5
80-04	1/4 MBSP	5
80-06	3/8 MBSP	5
80-08	1/2 MBSP	1
80-12	3/4 MBSP	1
80-16	1 MBSP	1



### Pipe Plugs

#### Male Taper NPT

Part No.	Connection	Pkt
85-02	1/8 MNPT	5
85-04	1/4 MNPT	5
85-06	3/8 MNPT	5
85-08	1/2 MNPT	5
85-12	3/4 MNPT	1



### Male SAE Flare to Male SAE flare

Part No.	Connection	Pkt
200-0303	3/16 MSAE x 3/16 MSAE	5
200-0404	1/4 MSAE x 1/4 MSAE	5
200-0504	5/16 MSAE x 1/4 MSAE	5
200-0505	5/16 MSAE x 5/16 MSAE	5
200-0604	3/8 MSAE x 1/4 MSAE	5
200-0605	3/8 MSAE x 5/16 MSAE	5
200-0606	3/8 MSAE x 3/8 MSAE	5
200-0804	1/2 MSAE x 1/4 MSAE	5
200-0805	1/2 MSAE x 5/16 MSAE	5
200-0806	1/2 MSAE x 3/8 MSAE	5
200-0808	1/2 MSAE x 1/2 MSAE	5
200-1004	5/8 MSAE x 1/4 MSAE	2
200-1006	5/8 MSAE x 3/8 MSAE	2
200-1008	5/8 MSAE x 1/2 MSAE	2
200-1010	5/8 MSAE x 5/8 MSAE	2
200-1208	3/4 MSAE x 1/2 MSAE	1
200-1210	3/4 MSAE x 5/8 MSAE	1
200-1212	3/4 MSAE x 3/4 MSAE	1



### Male SAE Flare to Male Taper BSP

Part No.	Connection	Pkt
201-0302	3/16 MSAE x 1/8 MBSP	5
201-0304	3/16 MSAE x 1/4 MBSP	5
201-0402	1/4 MSAE x 1/8 MBSP	5
201-0404	1/4 MSAE x 1/4 MBSP	5
201-0406	1/4 MSAE x 3/8 MBSP	2
201-0408	1/4 MSAE x 1/2 MBSP	2
201-0412	1/4 MSAE x 3/4 MBSP	2
201-0602	3/8 MSAE x 1/8 MBSP	2
201-0604	3/8 MSAE x 1/4 MBSP	2
201-0606	3/8 MSAE x 3/8 MBSP	2
201-0608	3/8 MSAE x 1/2 MBSP	2
201-0612	3/8 MSAE x 3/4 MBSP	2
201-0804	1/2 MSAE x 1/4 MBSP	2
201-0806	1/2 MSAE x 3/8 MBSP	2
201-0808	1/2 MSAE x 1/2 MBSP	2
201-0812	1/2 MSAE x 3/4 MBSP	1
201-1006	5/8 MSAE x 3/8 MBSP	1
201-1008	5/8 MSAE x 1/2 MBSP	1
201-1012	5/8 MSAE x 3/4 MBSP	1
201-1016	5/8 MSAE x 1 MBSP	1
201-1208	3/4 MSAE x 1/2 MBSP	1
201-1212	3/4 MSAE x 3/4 MBSP	1
201-1216	3/4 MSAE x 1 MBSP	1
201-1616	1 MSAE x 1 MBSP	1



### Male SAE Flare to Male Long Taper BSP

Part No.	Connection	Pkt
203-0402	1/4 MSAE x 1/8 MBSPLT	2
203-0404	1/4 MSAE x 1/4 MBSPLT	1



### Male SAE Flare to Male Taper NPT

Part No.	Connection	Pkt
204-0302	3/16 MSAE x 1/8 MNPT	5
204-0402	1/4 MSAE x 1/8 MNPT	5
204-0404	1/4 MSAE x 1/4 MNPT	5
204-0406	1/4 MSAE x 3/8 MNPT	5
204-0408	1/4 MSAE x 1/2 MNPT	5
204-0502	5/16 MSAE x 1/8 MNPT	5
204-0504	5/16 MSAE x 1/4 MNPT	5
204-0506	5/16 MSAE x 3/8 MNPT	5
204-0602	3/8 MSAE x 1/8 MNPT	5
204-0604	3/8 MSAE x 1/4 MNPT	5
204-0606	3/8 MSAE x 3/8 MNPT	5
204-0608	3/8 MSAE x 1/2 MNPT	5
204-0804	1/2 MSAE x 1/4 MNPT	2
204-0806	1/2 MSAE x 3/8 MNPT	2
204-0808	1/2 MSAE x 1/2 MNPT	2
204-0812	1/2 MSAE x 3/4 MNPT	1
204-1004	5/8 MSAE x 1/4 MNPT	1
204-1006	5/8 MSAE x 3/8 MNPT	1
204-1008	5/8 MSAE x 1/2 MNPT	1
204-1012	5/8 MSAE x 3/4 MNPT	1
204-1208	3/4 MSAE x 1/2 MNPT	1
204-1212	3/4 MSAE x 3/4 MNPT	1
204-1412	7/8 MSAE x 3/4 MNPT	1



### Male SAE Flare to Female SAE Flare

Part No.	Connection	Pkt
205-0304	3/16 MSAE x 1/4 FSAE	2
205-0403	1/4 MSAE x 3/16 FSAE	2
205-0404	1/4 MSAE x 1/4 FSAE	2
205-0405	1/4 MSAE x 5/16 FSAE	2
205-0406	1/4 MSAE x 3/8 FSAE	2
205-0408	1/4 MSAE x 1/2 FSAE	2
205-0410	1/4 MSAE x 5/8 FSAE	2
205-0504	5/16 MSAE x 1/4 FSAE	2
205-0604	3/8 MSAE x 1/4 FSAE	2
205-0606	3/8 MSAE x 3/8 FSAE	2
205-0608	3/8 MSAE x 1/2 FSAE	2
205-0610	3/8 MSAE x 5/8 FSAE	2
205-0804	1/2 MSAE x 1/4 FSAE	2
205-0806	1/2 MSAE x 3/8 FSAE	2
205-0808	1/2 MSAE x 1/2 FSAE	1
205-0810	1/2 MSAE x 5/8 FSAE	1
205-0812	1/2 MSAE x 3/4 FSAE	1
205-1006	5/8 MSAE x 3/8 FSAE	1
205-1008	5/8 MSAE x 1/2 FSAE	1
205-1010	5/8 MSAE x 5/8 FSAE	1
205-1012	5/8 MSAE x 3/4 FSAE	1
205-1208	3/4 MSAE x 1/2 FSAE	1
205-1210	3/4 MSAE x 5/8 FSAE	1



### Male SAE Flare to Female Taper BSP

Part No.	Connection	Pkt
206-0402	1/4 MSAE x 1/8 FBSP	2
206-0404	1/4 MSAE x 1/4 FBSP	2
206-0406	1/4 MSAE x 3/8 FBSP	2
206-0408	1/4 MSAE x 1/2 FBSP	1
206-0504	5/16 MSAE x 1/4 FBSP	1
206-0604	3/8 MSAE x 1/4 FBSP	1
206-0606	3/8 MSAE x 3/8 FBSP	1
206-0608	3/8 MSAE x 1/2 FBSP	1
206-0804	1/2 MSAE x 1/4 FBSP	1
206-0806	1/2 MSAE x 3/8 FBSP	1
206-0808	1/2 MSAE x 1/2 FBSP	1
206-1008	5/8 MSAE x 1/2 FBSP	1
206-1012	5/8 MSAE x 3/4 FBSP	1



### Male SAE Flare to Female Taper NPT

Part No.	Connection	Pkt
207-0402	1/4 MSAE x 1/8 FNPT	2
207-0404	1/4 MSAE x 1/4 FNPT	2
207-0406	1/4 MSAE x 3/8 FNPT	2
207-0408	1/4 MSAE x 1/2 FNPT	2
207-0602	3/8 MSAE x 1/8 FNPT	1
207-0604	3/8 MSAE x 1/4 FNPT	1
207-0606	3/8 MSAE x 3/8 FNPT	1
207-0608	3/8 MSAE x 1/2 FNPT	1
207-0804	1/2 MSAE x 1/4 FNPT	1
207-0808	1/2 MSAE x 1/2 FNPT	1
207-1006	5/8 MSAE x 3/8 FNPT	1
207-1008	5/8 MSAE x 1/2 FNPT	1
207-1212	3/4 MSAE x 3/4 FNPT	1



### Male SAE Flare to Solder

Part No.	Connection	Pkt
208-0404	1/4 MSAE x 1/4 ID	5
208-0406	1/4 MSAE x 3/8 ID	5
208-0504	5/16 MSAE x 1/4 ID	5
208-0606	3/8 MSAE x 3/8 ID	5
208-0608	3/8 MSAE x 1/2 ID	5
208-0610	3/8 MSAE x 5/8 ID	5
208-0612	3/8 MSAE x 3/4 ID	5
208-0806	1/2 MSAE x 3/8 ID	5
208-0808	1/2 MSAE x 1/2 ID	5
208-0810	1/2 MSAE x 5/8 ID	2
208-1008	5/8 MSAE x 1/2 ID	2
208-1010	5/8 MSAE x 5/8 ID	2
208-1012	5/8 MSAE x 3/4 ID	1
208-1208	3/4 MSAE x 1/2 ID	1
208-1212	3/4 MSAE x 3/4 ID	1
208-1214	3/4 MSAE x 7/8 ID	1
208-1216	3/4 MSAE x 1 ID	1



BSP	NPT	BSP	
Part No.	Connection		Pkt
209-0404	1/4 MNPT	x 1/4 FBSP	2
209-0606	3/8 MNPT	x 3/8 FBSP	2
209-0808	1/2 MNPT	x 1/2 FBSP	2
209-1212	3/4 MNPT	x 3/4 FBSP	1



Male Taper BSP to Female SAE Flare		
Part No.	Connection	Pkt
214-0204	1/8 MBSP x 1/4 FSAE	2
214-0404	1/4 MBSP x 1/4 FSAE	2
214-0606	3/8 MBSP x 3/8 FSAE	2
214-0808	1/2 MBSP x 1/2 FSAE	2
214-1210	3/4 MBSP x 5/8 FSAE	2



Male Taper BSP to Female Taper NPT		
Part No.	Connection	Pkt
210-0404	1/4 MBSP x 1/4 FNPT	2
210-0606	3/8 MBSP x 3/8 FNPT	2
210-0808	1/2 MBSP x 1/2 FNPT	2
210-1212	3/4 MBSP x 3/4 FNPT	1



Reducing Bush		
Part No.	Male Taper BSP to Female BSP Connection	Pkt
217-0402	1/4 MBSP x 1/8 FBSP	5
217-0602	3/8 MBSP x 1/8 FBSP	5
217-0604	3/8 MBSP x 1/4 FBSP	5
217-0804	1/2 MBSP x 1/4 FBSP	5
217-0806	1/2 MBSP x 3/8 FBSP	5
217-1204	3/4 MBSP x 1/4 FBSP	2
217-1206	3/4 MBSP x 3/8 FBSP	2
217-1208	3/4 MBSP x 1/2 FBSP	2
217-1604	1 MBSP x 1/4 FBSP	1
217-1606	1 MBSP x 3/8 FBSP	1
217-1608	1 MBSP x 1/2 FBSP	1
217-1612	1 MBSP x 3/4 FBSP	1



Male Taper BSP to Male Taper BSP		
Part No.	Connection	Pkt
211-0202	1/8 MBSP x 1/8 MBSP	5
211-0402	1/4 MBSP x 1/8 MBSP	5
211-0404	1/4 MBSP x 1/4 MBSP	5
211-0604	3/8 MBSP x 1/4 MBSP	5
211-0606	3/8 MBSP x 3/8 MBSP	5
211-0804	1/2 MBSP x 1/4 MBSP	2
211-0806	1/2 MBSP x 3/8 MBSP	2
211-0808	1/2 MBSP x 1/2 MBSP	2
211-1208	3/4 MBSP x 1/2 MBSP	1
211-1212	3/4 MBSP x 3/4 MBSP	1
211-1612	1 MBSP x 3/4 MBSP	1
211-1616	1 MBSP x 1 MBSP	1



Brass Nipples Male NPT to Male NPT		
Part No.	Connection	Pkt
212-0404	1/4 MNPT x 1/4 MNPT	5
212-0602	3/8 MNPT x 1/8 MNPT	2
212-0604	3/8 MNPT x 1/4 MNPT	2
212-0606	3/8 MNPT x 3/8 MNPT	2
212-0804	1/2 MNPT x 1/4 MNPT	2
212-0808	1/2 MNPT x 1/2 MNPT	2
212-1212	3/4 MNPT x 3/4 MNPT	1



### Male Taper NPT to Female Taper NPT

218-0202	1/8 MNPT x 1/8 FNPT	5
218-0204	1/8 MNPT x 1/4 FNPT	5
218-0402	1/4 MNPT x 1/8 FNPT	5
218-0602	3/8 MNPT x 1/8 FNPT	2
218-0604	3/8 MNPT x 1/4 FNPT	2
218-0804	1/2 MNPT x 1/4 FNPT	2
218-0806	1/2 MNPT x 3/8 FNPT	2
218-1204	3/4 MNPT x 1/4 FNPT	1
218-1206	3/4 MNPT x 3/8 FNPT	1

### Male Taper BSP to Solder

Part No.	Connection	Pkt
219-0404	1/4 MBSP x 1/4 ID	5
219-0406	1/4 MBSP x 3/8 ID	5
219-0408	1/4 MBSP x 1/2 ID	5
219-0606	3/8 MBSP x 3/8 ID	5
219-0608	3/8 MBSP x 1/2 ID	5
219-0614	3/8 MBSP x 7/8 ID	5
219-0806	1/2 MBSP x 3/8 ID	2
219-0808	1/2 MBSP x 1/2 ID	2
219-0810	1/2 MBSP x 5/8 ID	2
219-0812	1/2 MBSP x 3/4 ID	2
219-1212	3/4 MBSP x 3/4 ID	2
219-1216	3/4 MBSP x 1 ID	1
219-1616	1 MBSP x 1 ID	1
219-2020	1 1/4 MBSP x 1 1/4 ID	1
219-2022	1 1/4 MBSP x 1 3/8 ID	1
219-2424	1 1/2 MBSP x 1 1/2 ID	1



### Male Taper NPT to Solder

220-0204	1/8 MNPT x 1/4 ID	5
220-0406	1/4 MNPT x 3/8 ID	5
220-0608	3/8 MNPT x 1/2 ID	5
220-0610	3/8 MNPT x 5/8 ID	5
220-2020	1 1/4 MNPT x 1 1/4 ID	1



### Male Taper BSP to JIC Flare Tube

Part No.	Connection	Pkt
223-0204	1/8 MBSP x 1/4 MJIC	1
223-0404	1/4 MBSP x 1/4 MJIC	1
223-0808	1/2 MBSP x 1/2 MJIC	1
223-0812	1/2 MBSP x 3/4 MJIC	1
223-1216	3/4 MBSP x 1 MJIC	1
223-1620	1 MBSP x 1 1/4 MJIC	1
223-2432	1 1/2 MBSP x 2 MJIC	1



### Female SAE Flare to Female SAE Flare

226-0404	1/4 FSAE x 1/4 FSAE	2
226-0606	3/8 FSAE x 3/8 FSAE	2
226-0808	1/2 FSAE x 1/2 FSAE	1



### Female SAE Flare to Female Taper BSP

227-0402	1/4 FSAE x 1/8 FBSP	2
227-0404	1/4 FSAE x 1/4 FBSP	2
227-0406	1/4 FSAE x 3/8 FBSP	1
227-0606	3/8 FSAE x 3/8 FBSP	1
227-0806	1/2 FSAE x 3/8 FBSP	1



### Female Taper BSP to Female Taper BSP

231-0202	1/8 FBSP x 1/8 FBSP	2
231-0404	1/4 FBSP x 1/4 FBSP	2
231-0606	3/8 FBSP x 3/8 FBSP	2
231-0808	1/2 FBSP x 1/2 FBSP	1
231-1212	3/4 FBSP x 3/4 FBSP	1



## Socket Unions

### Female Taper NPT to Female Taper NPT

Part No.	Connection	Pkt
232-0202	1/8 FNPT x 1/8 FNPT	2
232-0404	1/4 FNPT x 1/4 FNPT	2
232-0606	3/8 FNPT x 3/8 FNPT	2
232-0808	1/2 FNPT x 1/2 FNPT	2



### Female Taper BSP to Solder

Part No.	Connection	Pkt
233-0404	1/4 FBSP x 1/4 ID	5
233-0406	1/4 FBSP x 3/8 ID	5
233-0408	1/4 FBSP x 1/2 ID	5
233-0606	3/8 FBSP x 3/8 ID	2
233-0808	1/2 FBSP x 1/2 ID	2
233-0812	1/2 FBSP x 3/4 ID	1
233-1212	3/4 FBSP x 3/4 ID	1
233-1216	3/4 FBSP x 1 ID	1



### Female Taper NPT to Solder

Part No.	Connection	Pkt
234-0204	1/8 FNPT x 1/4 ID	5
234-0404	1/4 FNPT x 1/4 ID	5
234-0406	1/4 FNPT x 3/8 ID	5
234-0606	3/8 FNPT x 3/8 ID	1
234-0608	3/8 FNPT x 1/2 ID	1
234-0610	3/8 FNPT x 5/8 ID	1



### Male SAE Flare to Male SAE Flare

Part No.	Connection	Pkt
300-0404	1/4 MSAE x 1/4 MSAE	2
300-0505	5/16 MSAE x 5/16 MSAE	2
300-0604	3/8 MSAE x 1/4 MSAE	2
300-0606	3/8 MSAE x 3/8 MSAE	2
300-0804	1/2 MSAE x 1/4 MSAE	2
300-0806	1/2 MSAE x 3/8 MSAE	2
300-0808	1/2 MSAE x 1/2 MSAE	2
300-1006	5/8 MSAE x 3/8 MSAE	1
300-1008	5/8 MSAE x 1/2 MSAE	1
300-1010	5/8 MSAE x 5/8 MSAE	1
300-1208	3/4 MSAE x 1/2 MSAE	1
300-1210	3/4 MSAE x 5/8 MSAE	1
300-1212	3/4 MSAE x 3/4 MSAE	1



### Male SAE Flare to Male Taper BSP

302-0402	1/4 MSAE x 1/8 MBSP	2
302-0404	1/4 MSAE x 1/4 MBSP	2
302-0406	1/4 MSAE x 3/8 MBSP	2
302-0604	3/8 MSAE x 1/4 MBSP	2
302-0606	3/8 MSAE x 3/8 MBSP	2
302-0608	3/8 MSAE x 1/2 MBSP	1
302-0806	1/2 MSAE x 3/8 MBSP	1
302-0808	1/2 MSAE x 1/2 MBSP	1
302-1008	5/8 MSAE x 1/2 MBSP	1
302-1212	3/4 MSAE x 3/4 MBSP	1



### Male SAE Flare to Male Taper NPT

Part No.	Connection	Pkt
304-0402	1/4 MSAE x 1/8 MNPT	1
304-0404	1/4 MSAE x 1/4 MNPT	1
304-0406	1/4 MSAE x 3/8 MNPT	1
304-0604	3/8 MSAE x 1/4 MNPT	1
304-0606	3/8 MSAE x 3/8 MNPT	1
304-0608	3/8 MSAE x 1/2 MNPT	1
304-0804	1/2 MSAE x 1/4 MNPT	1
304-0806	1/2 MSAE x 3/8 MNPT	1
304-0808	1/2 MSAE x 1/2 MNPT	1
304-1006	5/8 MSAE x 3/8 MNPT	1
304-1008	5/8 MSAE x 1/2 MNPT	1
304-1012	5/8 MSAE x 3/4 MNPT	1
304-1212	3/4 MSAE x 3/4 MNPT	1



### Male SAE Flare to Male NPT - 45° Degree

Part No.	Connection	Pkt
305-0402	1/4 MSAE x 1/8 MNPT	2
305-0404	1/4 MSAE x 1/4 MNPT	2
305-0604	3/8 MSAE x 1/4 MNPT	2
305-0606	3/8 MSAE x 3/8 MNPT	2



### Male SAE Flare to Female SAE Flare

Part No.	Connection	Pkt
306-0404	1/4 MSAE x 1/4 FSAE	1
306-0406	1/4 MSAE x 3/8 FSAE	1
306-0604	3/8 MSAE x 1/4 FSAE	1
306-0606	3/8 MSAE x 3/8 FSAE	1
306-0608	3/8 MSAE x 1/2 FSAE	1
306-0808	1/2 MSAE x 1/2 FSAE	1
306-0810	1/2 MSAE x 5/8 FSAE	1
306-1010	5/8 MSAE x 5/8 FSAE	1
306-1212	3/4 MSAE x 3/4 FSAE	1



### Male SAE Flare to Female Solder

Part No.	Connection	Pkt
312-0404	1/4 MSAE x 1/4 ID	1
312-0408	1/4 MSAE x 1/2 ID	1
312-0606	3/8 MSAE x 3/8 ID	1
312-0608	3/8 MSAE x 1/2 ID	1
312-0610	3/8 MSAE x 5/8 ID	1
312-0806	1/2 MSAE x 3/8 ID	1
312-0808	1/2 MSAE x 1/2 ID	1
312-0810	1/2 MSAE x 5/8 ID	1
312-1010	5/8 MSAE x 5/8 ID	1
312-1208	3/4 MSAE x 1/2 ID	1



### Male Taper BSP to Male Taper BSP

Part No.	Connection	Pkt
319-0404	1/4 MBSP x 1/4 MBSP	1
319-0604	3/8 MBSP x 1/4 MBSP	1
319-0606	3/8 MBSP x 3/8 MBSP	1
319-0808	1/2 MBSP x 1/2 MBSP	1



### Male Taper BSP to Female Taper BSP

Part No.	Connection	Pkt
327-0202	1/8 MBSP x 1/8 FBSP	1
327-0404	1/4 MBSP x 1/4 FBSP	1
327-0606	3/8 MBSP x 3/8 FBSP	1
327-0808	1/2 MBSP x 1/2 FBSP	1
327-1212	3/4 MBSP x 3/4 FBSP	1



### Female Taper BSP

Part No.	Connection	Pkt
351-0404	1/4 FBSP x 1/4 FBSP	1
351-0606	3/8 FBSP x 3/8 FBSP	1
351-0808	1/2 FBSP x 1/2 FBSP	1



Male SAE Line to Male SAE Branch				Pkt
Part No.	Line	Line	Branch	
400-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 MSAE	2
400-040406	1/4 MSAE	x 1/4 MSAE	x 3/8 MSAE	1
400-050505	5/16MSAE	x 5/16MSAE	x 5/16MSAE	1
400-060604	3/8 MSAE	x 3/8 MSAE	x 1/4 MSAE	1
400-060606	3/8 MSAE	x 3/8 MSAE	x 3/8 MSAE	2
400-060608	3/8 MSAE	x 3/8 MSAE	x 1/2 MSAE	1
400-060610	3/8 MSAE	x 3/8 MSAE	x 5/8 MSAE	1
400-080408	1/2 MSAE	x 1/4 MSAE	x 1/2 MSAE	1
400-080804	1/2 MSAE	x 1/2 MSAE	x 1/4 MSAE	1
400-080606	1/2 MSAE	x 3/8 MSAE	x 3/8 MSAE	1
400-080608	1/2 MSAE	x 3/8 MSAE	x 1/2 MSAE	1
400-080804	1/2 MSAE	x 1/2 MSAE	x 1/4 MSAE	1
400-080806	1/2 MSAE	x 1/2 MSAE	x 3/8 MSAE	1
400-080808	1/2 MSAE	x 1/2 MSAE	x 1/2 MSAE	1
400-080810	1/2 MSAE	x 1/2 MSAE	x 5/8 MSAE	1
400-080812	1/2 MSAE	x 1/2 MSAE	x 3/4 MSAE	1
400-100610	5/8 MSAE	x 3/8 MSAE	5/8 MSAE	1
400-100810	5/8 MSAE	x 1/2 MSAE	x 5/8 MSAE	1
400-101004	5/8 MSAE	x 5/8 MSAE	x 1/4 MSAE	1
400-101006	5/8 MSAE	x 5/8 MSAE	x 3/8 MSAE	1
400-101008	5/8 MSAE	x 5/8 MSAE	x 1/2 MSAE	1
400-101010	5/8 MSAE	x 5/8 MSAE	x 5/8 MSAE	1
400-121208	3/4 MSAE	x 3/4 MSAE	x 1/2 MSAE	1
400-121012	3/4 MSAE	x 5/8 MSAE	x 3/4 MSAE	1
400-121210	3/4 MSAE	x 3/4 MSAE	x 5/8 MSAE	1
400-121212	3/4 MSAE	x 3/4 MSAE	x 3/4 MSAE	1
400-141414	7/8 MSAE	x 7/8 MSAE	x 7/8 MSAE	1



Male SAE Line to Male Taper BSP Branch				Pkt
Part No.	Line	Line	Branch	
401-040402	1/4 MSAE	x 1/4 MSAE	X 1/8 MBSP	2
401-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 MBSP	2



Male SAE Line to Male NPT Branch				Pkt
Part No.	Line	Line	Branch	
403-040402	1/4 MSAE	x 1/4 MSAE	x 1/8 MNPT	1
403-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 MNPT	1



Male SAE Line to Female SAE Branch				Pkt
Part No.	Line	Line	Branch	
408-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 FSAE	2



Male SAE Line to Female Taper BSP Branch				Pkt
Part No.	Line	Line	Branch	
409-040402	1/4 MSAE	x 1/4 MSAE	X 1/8 FBSP	2
409-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 FBSP	2



Male BSP Line to Male Taper BSP Branch				Pkt
Part No.	Line	Line	Branch	
428-040404	1/4 MBSP	x 1/4 MBSP	x 1/4 MBSP	1
428-060606	3/8 MBSP	x 3/8 MBSP	x 3/8 MBSP	1



Forged Swivel Tees				Pkt
Male SAE Line x F/Swivel x Male SAE Branch				
Part No.	Line	Line	Branch	
465-040404	1/4 MSAE	x 1/4 F/NUT	x 1/4 MSAE	2



Male SAE Line to F/Swivel Branch				Pkt
Part No.	Line	Line	Branch	
466-040404	1/4 MSAE	x 1/4 MSAE	x 1/4 F/NUT	2



Female BSP Line to Female BSP Branch				Pkt
Part No.	Line	Line	Branch	
472-040404	1/4 FBSP	x 1/4 FBSP	x 1/4 FBSP	1
472-060606	3/8 FBSP	x 3/8 FBSP	x 3/8 FBSP	1
472-080808	1/2 FBSP	x 1/2 FBSP	x 1/2 FBSP	1