

PORTA-PAK *Specials*



BRASS FITTINGS

P/N 19510

- Manufactured from virgin high density brass alloy
- Pressure – 1,200 psi operating
Proof pressure up to 15,000 psi for 1/8" and 1/4" pipe, 5,000 psi on larger sizes
- Temperature: -65°F to +250°F at 1,000 psi
- Use with brass, copper or iron pipe

QUANTITY	BRASS FITTING SIZE	PART #
8	1/8 PLUG HEX HEAD - PIPE	54422
4	1/4 PLUG HEX HEAD - PIPE	54423
4	1/4 x 1/8 REDUCING COUPLING - PIPE	54233
3	3/8 x 1/8 REDUCING COUPLING - PIPE	54234
8	1/8 COUPLING - PIPE	54273
4	1/4 COUPLING - PIPE	54274

FITTINGS AND HOSE ASSEMBLIES



FEATURES

- **Brass Fittings:** Compression, SAE 45° Flare, Inverted Flare, Pipe, Air Brake, Instant and Reusable
- **Steel Fittings:** Coll-O-Crimp®, SAE 37° Flare, Reusable 247 "N" and Reusable 425 "N"
- **Black Iron Pipe Fittings**
- **Grease Fittings and Accessories**
- **Vacuum and Low Pressure Connectors**
- **Low, Medium and High Pressure Hose**
- **Brass, Nylon and Vinyl Tubing**

CHROMATE PROVIDES A FULL LINE OF SUPERIOR QUALITY FITTINGS, TUBING AND HOSE TO COVER ALL OF YOUR HYDRAULIC AND PNEUMATIC APPLICATIONS.

Whether its an air, fuel, oil, water, chemical or vacuum application . . . Chromate has the proper fitting and hose or tubing to safely satisfy your needs.



CHROMATE INDUSTRIAL CORP.

EXCEPTIONAL PRODUCTS, SERVICE AND INNOVATIVE SOLUTIONS

FITTING, TUBE AND HOSE SELECTION

CRITICAL FACTORS

Correct selection of tubing or hose is essential for the proper operation and safe use of the tubing, hose and related equipment. Improper selection for an application can result in leaking, bursting or other failure that could result in serious bodily injury or property damage. The following factors must be considered when selecting tubing, hose and fittings:

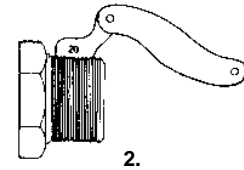
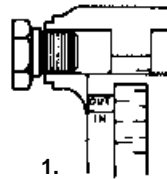
- Tubing/Hose Size
- Tubing/Hose and Fitting Compatibility
- Temperature
- Tubing/Hose Material
- Fluid or Gas Compatibility
- Pressure
- Tubing/Hose Length
- Bends
- Installation Design

TUBE FITTING IDENTIFICATION

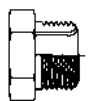
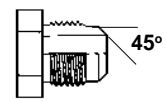
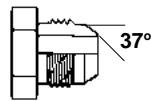
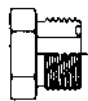
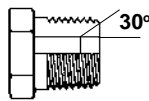
Four basic types of tube fittings: Flare, Flareless, Straight Thread O-Ring and Flat Face O-Ring Seal. Tube fittings seal in two ways: Flare and Flareless fittings use metal to metal contact joints, Straight Thread O-Ring and Flat Face O-Ring fittings use a rubber o-ring. Where extreme vibration is present, use Flareless, Straight Thread or Flat Face O-Ring Seal fittings.

SIZING

- EXAMPLE:**
1. MEASURE O.D. OF MALE THREAD, WHEN POSSIBLE.
 2. MEASURE "THREADS PER INCH".
 3. REFER TO CHART BELOW FOR APPROPRIATE TUBE SIZE AND ILLUSTRATION.



FITTING THREAD SIZE COMPARISON CHART



TUBE SIZE	PIPE SIZE	FLAT FACE O-RING SEAL	37° FLARE	STRAIGHT THREAD O-RING SAE	45° FLARE	INVERTED FLARE
1/8	1/8-27	-	5/16-24	5/16-24	5/16-24	5/16-24
3/16	-	-	3/8-24	3/8-24	3/8-24	3/8-24
1/4	1/4-18	9/16-18	7/16-20	7/16-20	7/16-20	7/16-24
5/16	-	-	1/2-20	1/2-20	1/2-20	1/2-20
3/8	3/8-18	11/16-16	9/16-18	9/16-18	5/8-18	5/8-18
7/16	-	-	-	-	11/16-16	11/16-18
1/2	1/2-14	13/16-16	3/4-16	3/4-16	3/4-16	3/4-18
5/8	-	1-14	7/8-14	7/8-14	7/8-14	7/8-18
3/4	3/4-14	1-3/16 - 12	1-1/16 - 12	1-1/16 - 12	1-1/16 - 14	1-1/16 - 16
7/8	-	1-3/16 - 12	1-3/16 - 12	1-3/16 - 12	-	1-3/16 - 16
1	1 - 11-1/2	1-7/16 - 12	1-5/16 - 12	1-5/16 - 12	-	1-5/16 - 16
1-1/4	1-1/4 - 11-1/2	1-11/16 - 12	1-5/8 - 12	1-5/8 - 12	-	-
1-1/2	1-1/2 - 11-1/2	2-12	1-7/8 - 12	1-7/8 - 12	-	-
2	2 - 11-1/2	-	2-1/2 - 12	2-1/2 - 12	-	-
2-1/2	2-1/2 - 8	-	3-12	-	-	-
3	3-8	-	3-1/2 - 12	-	-	-

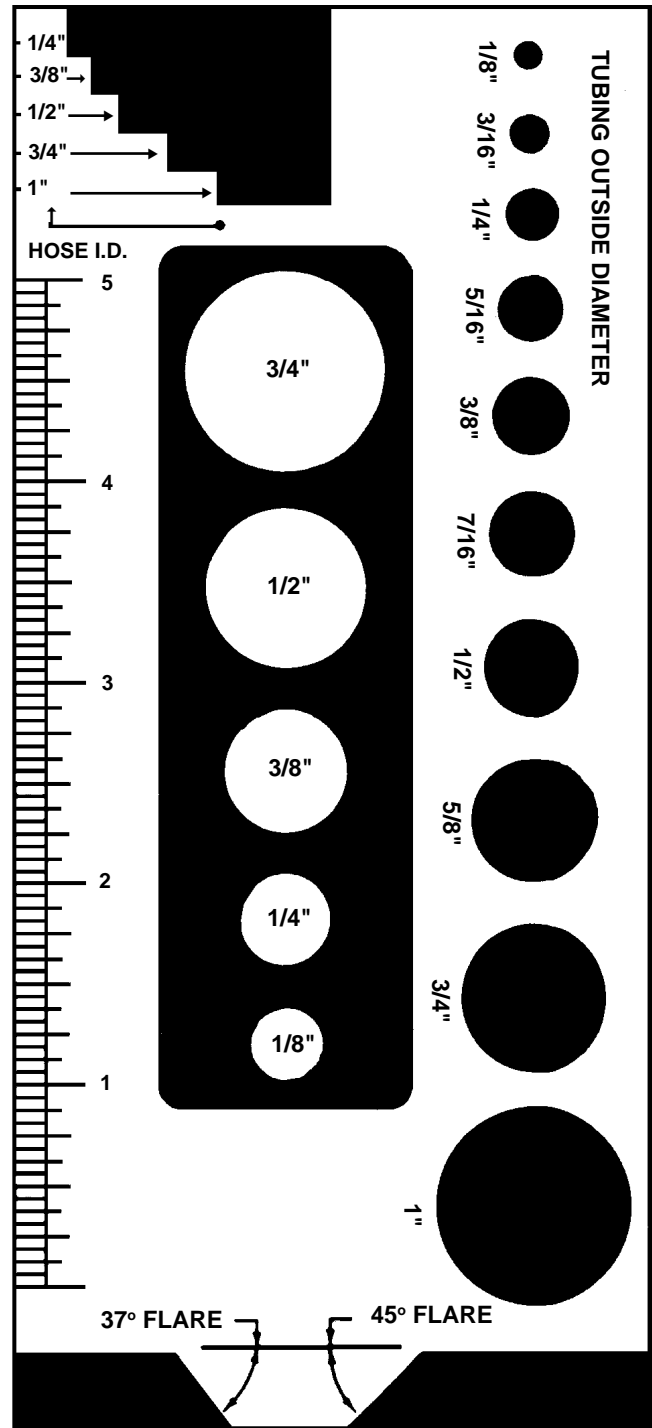
FITTING, TUBE AND HOSE SELECTION (Cont'd.)

PIPE FITTING IDENTIFICATION

The American Society of Automotive Engineers in cooperation with industry set up a standard for improvement in pipe threads. This improvement is known as the Dryseal Pipe Thread. All Chromate pipe threads are American Standard Taper Dryseal Pipe Threads (NPTF). The metal to metal seal is formed by contact at the thread crest and root.

Nominal pipe sizes do not agree with either the I.D., O.D. or thread sizes. To determine pipe size (up to 1-1/4") measure the diameter of the threads and subtract 1/4". For example, subtract 1/4" from a 1" pipe to obtain the nominal pipe size of 3/4".

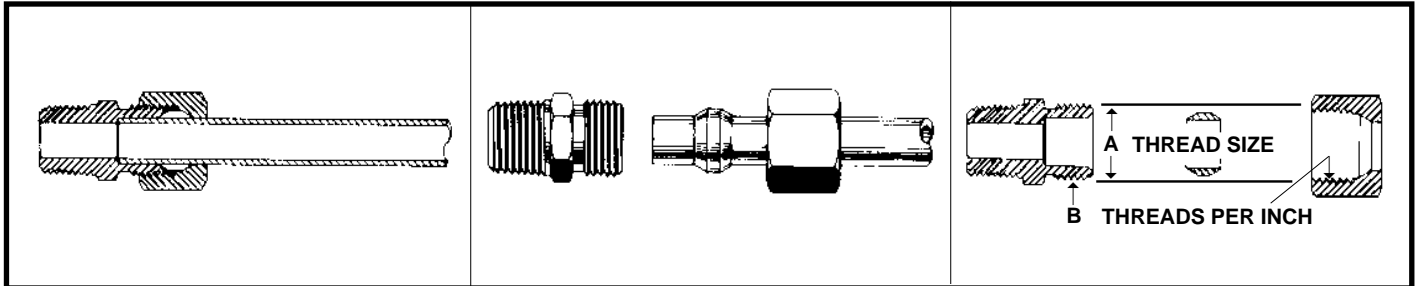
Pipe sizes can also be given in "Dash Numbers". A dash number is always the numerator of an inch over 16th. For instance, if the pipe O.D. measures 1/2", that would be converted to 16ths (8/16), but be written as -8 (dash eight).



COMPRESSION FITTINGS — BRASS

MEDIUM PRESSURE AIR, OIL, WATER AND NATURAL GAS APPLICATIONS

Manufactured from high density brass alloy. No flaring or soldering required. Easy to assemble. Available with long or short nut in wide range of styles and sizes.



SPECIFICATIONS

PRESSURE:

- To 2,000 PSI — 1/8" to 1/4" Tubing
- To 1,000 PSI — 5/16" to 1/2" Tubing
- To 750 PSI — 3/4" to 1" Tubing

TEMPERATURE: -65°F to +250°F

VIBRATION: Fair resistance. Long nut improves vibration characteristics.

USE WITH: Copper, brass, aluminum and plastic tubing. Not recommended for steel tubing. Soft plastic tubing requires internal tube support.

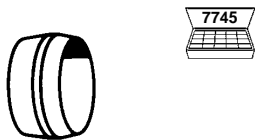
CONFORMANCE: Approved by Underwriters Laboratories for hazardous liquid, and fuel equipment. Meets specifications of SAE for automotive tube fitting standards.

ASSEMBLY INSTRUCTIONS:

1. Slide nut, then sleeve onto tubing. The threaded end of the nut must face out.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Lubricate threads and assemble nut to body.
4. Tighten assembly with wrench until a solid feeling is encountered. From that point, apply a one-sixth turn.

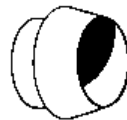
TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
A - THREAD SIZE	5/16	3/8	7/16	1/2	9/16	5/8	11/16	13/16	1
B - THREADS/INCH	24	24	24	24	24	24	20	18	18

BRASS SLEEVES



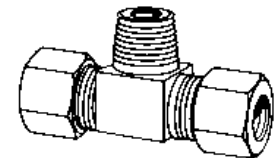
TUBE SIZE	INDUSTRY TYPE	PART
1/8	60 x 2	R 53000
3/16	60 x 3	R 53001
1/4	60 x 4	R 53002
5/16	60 x 5	R 53003
3/8	60 x 6	R 53004
1/2	60 x 8	R 53006
5/8	60 x 10	R 53007
3/4	60 x 12	N 53008

DELRIN® SLEEVES - PLAS. TUBE



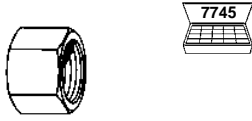
TUBE SIZE	INDUSTRY TYPE	PART
1/4	260 x 4	R 53262
5/16	260 x 5	R 53263
3/8	260 x 6	N 53264
1/2	260 x 8	N 53265

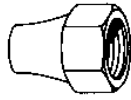
MALE BRANCH TEE

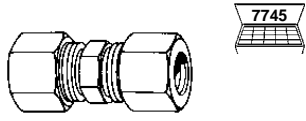


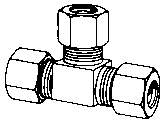
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/16	1/8	72 x 3	I 53208
1/4	1/8	72 x 4	I 53209
5/16	1/8	72 x 5	E 53210
3/8	1/4	72 x 6	E 53213
1/2	3/8	72 x 8	B 53215


COMPRESSION FITTINGS — BRASS (Cont'd.)

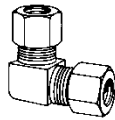
NUT			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/8	61 x 2	R	53014
3/16	61 x 3	R	53015
1/4	61 x 4	R	53016
5/16	61 x 5	R	53017
3/8	61 x 6	N	53018
1/2	61 x 8	N	53020
5/8	61 x 10	I	53021
3/4	61 x 12	E	53022

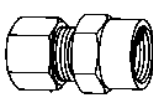
LONG NUT			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/8	1611 x 2	I	53028
3/16	1611 x 3	I	53029
1/4	1611 x 4	N	53030
5/16	1611 x 5	N	53031
3/8	1611 x 6	N	53032
1/2	1611 x 8	I	53033
5/8	1611 x 10	E	53034
3/4	1611 x 12	E	53035


UNION			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/8	62 x 2	I	53040
3/16	62 x 3	I	53041
1/4	62 x 4	I	53042
5/16	62 x 5	I	53045
3/8	62 x 6	I	53047
1/2	62 x 8	E	53051
5/8	62 x 10	E	53053
3/4	62 x 12	A	53054

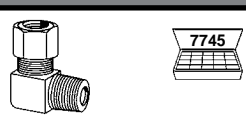
UNION TEE			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/8	64 x 2	E	53070
3/16	64 x 3	E	53071
1/4	64 x 4	E	53072
5/16	64 x 5	E	53073
3/8	64 x 6	E	53074
1/2	64 x 8	A	53076
5/8	64 x 10	B	53077

BRASS INSERT - PLASTIC TUBE			
			
TUBE O.D.	TUBE I.D.	INDUSTRY TYPE	PART
1/8	.090	2030	T 53269
3/16	.135	2030	T 53270
1/4	.165	2030	T 53271
5/16	3/16	2030	T 53272
3/8	1/4	2030	T 53273
1/2	3/8	2030	R 53274
5/8	1/2	2030	I 53275

ELBOW			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/8	65 x 2	E	53084
3/16	65 x 3	E	53085
1/4	65 x 4	E	53086
5/16	65 x 5	E	53087
3/8	65 x 6	E	53088
1/2	65 x 8	E	53090
5/8	65 x 10	B	53091

FEMALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	66 x 2	I 53098
3/16	1/8	66 x 3	I 53099
1/4	1/8	66 x 4	I 53100
1/4	1/4	66 x 4 x 4	I 53096
1/4	3/8	66 x 4 x 6	I 53097
1/4	1/2	66 x 4 x 8	I 53101
5/16	1/8	66 x 5	I 53102
5/16	1/4	66 x 5 x 4	I 53103
3/8	1/8	66 x 6 x 2	I 53104
3/8	1/4	66 x 6	I 53105

MALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	68 x 2	I 53117
3/16	1/8	68 x 3	L 53118
1/4	1/8	68 x 4	I 53120
1/4	1/4	68 x 4 x 4	I 53121
1/4	3/8	68 x 4 x 6	I 53122
5/16	1/8	68 x 5	I 53123
5/16	1/4	68 x 5 x 4	I 53124
3/8	1/8	68 x 6 x 2	I 53126
3/8	1/4	68 x 6	I 53127
3/8	3/8	68 x 6 x 6	I 53128
1/2	1/4	68 x 8 x 4	I 53133
1/2	3/8	68 x 8	I 53134
5/8	1/2	68 x 108	E 53135

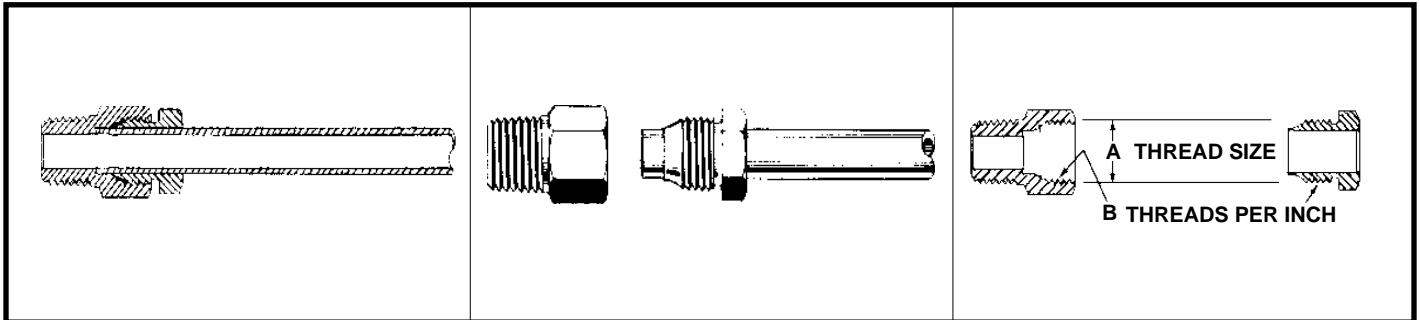
MALE ELBOW			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	69 x 2	I 53148
3/16	1/8	69 x 3	I 53149
1/4	1/8	69 x 4	I 53151
1/4	1/4	69 x 4 x 4	I 53152
5/16	1/8	69 x 5	E 53154
5/16	1/4	69 x 5 x 4	E 53155
3/8	1/8	69 x 6 x 2	E 53157
3/8	1/4	69 x 6	E 53158
3/8	3/8	69 x 6 x 6	E 53159
1/2	1/4	69 x 8 x 4	E 53162
1/2	3/8	69 x 8	E 53163
5/8	3/8	69 x 106	B 53164
5/8	1/2	69 x 108	B 53165

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DOUBLE COMPRESSION FITTINGS — BRASS

LOW PRESSURE AIR, OIL, WATER AND LUBRICATION APPLICATIONS

Manufactured from virgin high density brass alloy. Low cost. No flaring required, easy to assemble. Compact profile for tight spaces.



SPECIFICATIONS

PRESSURE:

To 500 PSI — 1/8" to 1/4" Tubing
 To 250 PSI — 5/16" and 3/8" Tubing

TEMPERATURE: -65°F to +250°F

VIBRATION: Fair resistance.

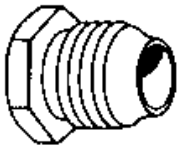
USE WITH: Copper, aluminum and plastic tubing.
 Not recommended for steel tubing. Soft plastic tubing requires internal tube support.

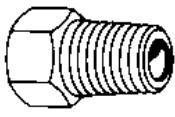
CONFORMANCE: Meets the specifications of the American Standards Association (A.S.A.) and the American Society of Mechanical Engineers (A.S.M.E.) code for pressure piping.

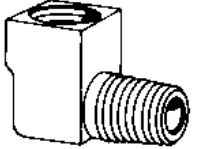
ASSEMBLY INSTRUCTIONS:

1. Slide nut on tubing. Threaded end of nut must face out.
2. Insert tubing into fitting. Be sure that tubing is bottomed on fitting shoulder.
3. Lubricate threads and assemble nut to fitting body.
4. Tighten assembly hand tight. From that point, tighten with a wrench 1-1/2 turns.

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2
A - THREAD SIZE	5/16	3/8	7/16	1/2	9/16	5/8	11/16
B - THREADS/INCH	24	24	24	20	20	18	16

NUT		
		
TUBE SIZE	INDUSTRY TYPE	PART
1/8	6100 x 2	R 53818
3/16	6100 x 3	R 53819
1/4	6100 x 4	R 53820
5/16	6100 x 5	R 53821
3/8	6100 x 6	O 53822

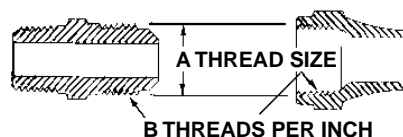
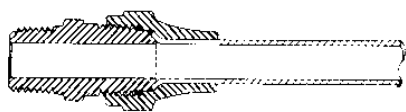
MALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	6200 x 2	R 53837
3/16	1/8	6200 x 3	R 53838
3/16	1/4	6200 x 3 x 4	O 53839
1/4	1/8	6200 x 4	R 53840
1/4	1/4	6200 x 4 x 4	O 53841
5/16	1/8	6200 x 5	O 53842
5/16	1/4	6200 x 5 x 4	O 53843
3/8	1/4	6200 x 6	L 53845

MALE ELBOW			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	6400 x 2	L 53863
3/16	1/8	6400 x 3	I 53864
1/4	1/8	6400 x 4	I 53865
1/4	1/4	6400 x 4 x 4	E 53866
5/16	1/8	6400 x 5	I 53867
5/16	1/4	6400 x 5 x 4	A 53868
3/8	1/8	6400 x 6 x 2	A 53869
3/8	1/4	6400 x 6	E 53870

SAE 45° FLARE FITTINGS — BRASS

HIGH PRESSURE FUEL, OIL, AIR, WATER, LP & NATURAL GAS APPLICATIONS

Manufactured from virgin high density brass alloy. Low cost, reusable. Available with long or short nut and in wide range of styles and sizes.



SPECIFICATIONS

PRESSURE: Depends on tubing used. Will stand burst pressure of standard tubing – up to 5,000 PSI with Bundy-weld (double flared) and 3,500 PSI with copper tubing depending on size.

TEMPERATURE: -65°F to +250°F to maximum operating pressure. To +400°F under 1,000 PSI.

VIBRATION: Good – use long nut for excessive vibration.

USE WITH: Copper, brass, aluminum and brazed steel hydraulic tubing that can be flared.

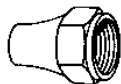
CONFORMANCE: Approved by Underwriters Laboratories (No. AU1432) for hazardous liquid, and fuel equipment. Meets specifications of SAE for automotive tube fitting standards.

ASSEMBLY INSTRUCTIONS:

1. Cut tubing squarely. Place nut onto tube.
2. Open threaded end of nut toward end of tube. Flare tube end with flaring tool to provide 45° flare.
3. Clamp tube flare between nut and nose of fitting body by screwing nut on finger tight.
4. Tighten assembly with wrench until a solid feeling is encountered. From that point, apply a one-sixth turn.

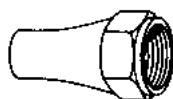
TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
A - THREAD SIZE	5/16	3/8	7/16	1/2	5/8	11/16	3/4	7/8	1-1/16
B - THREADS/INCH	24	24	20	20	18	16	16	14	14

NUT



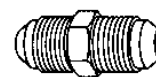
TUBE SIZE	INDUSTRY TYPE	PART
1/8	1110 x 2	R 53893
3/16	1110 x 3	R 53885
1/4	1110 x 4	R 53886
5/16	1110 x 5	R 53887
3/8	1110 x 6	O 53888
1/2	1110 x 8	O 53890
5/8	1110 x 10	L 53894

LONG NUT



TUBE SIZE	INDUSTRY TYPE	PART
3/16	41 x 3	O 53899
1/4	41 x 4	R 53900
5/16	41 x 5	O 53901
3/8	41 x 6	L 53902
1/2	41 x 8	I 53904

UNION



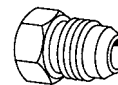
TUBE SIZE	INDUSTRY TYPE	PART
1/8	42 x 2	O 53944
3/16	42 x 3	O 53945
1/4	42 x 4	R 53946
5/16	42 x 5	O 53947
3/8	42 x 6	L 53948
1/2	42 x 8	L 53950
5/8	42 x 10	I 53951

45° FLARE CAP



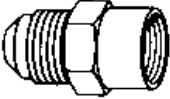

TUBE OD	INDUSTRY TYPE	PART	TUBE OD	INDUSTRY TYPE	PART
1/8	40 x 2	I 53905	3/8	40 x 10	I 53909
3/16	40 x 3	I 53906	1/2	40 x 12	E 53910
1/4	40 x 4	I 53907	5/8	40 x 14	E 53911
5/16	40 x 5	I 53908	3/4	40 x 16	E 53912

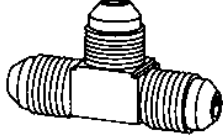
45° FLARE PLUG

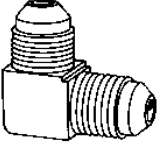


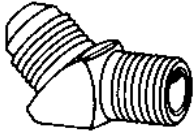
TUBE OD	INDUSTRY TYPE	PART	TUBE OD	INDUSTRY TYPE	PART
1/8	39 x 4	I 53913	3/8	39 x 12	I 53917
3/16	39 x 5	I 53914	1/2	39 x 14	E 53918
1/4	39 x 6	I 53915	5/8	39 x 16	E 53919
5/16	39 x 8	I 53916	3/4	39 x 20	E 53920

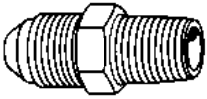

SAE 45° FLARE FITTINGS — BRASS (Cont'd.)

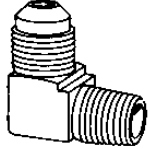

FEMALE CONNECTOR				
				
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART	
3/16	1/8	46 x 3	O	54019
1/4	1/8	46 x 4	R	54020
1/4	1/4	46 x 4 x 4	O	54021
5/16	1/8	46 x 5	O	54022
3/8	1/8	46 x 6 x 2	L	54024
3/8	1/4	46 x 6	O	54025
3/8	3/8	46 x 6 x 6	O	54026
1/2	3/8	46 x 8	L	54031
5/8	1/2	46 x 10	I	54035

UNION TEE			
			
TUBE SIZE	INDUSTRY TYPE	PART	
3/16	44 x 3	I	53973
1/4	44 x 4	I	53974
5/16	44 x 5	I	53975
3/8	44 x 6	I	53976
1/2	44 x 8	E	53978

UNION ELBOW			
			
TUBE SIZE	INDUSTRY TYPE	PART	
5/8	55 x 10	D	54110

45° MALE ELBOW			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	54 x 4	I 55050
5/16	1/8	54 x 5	I 55052
3/8	1/4	54 x 6	I 55054
1/2	3/8	54 x 8	F 55056
5/8	1/2	54 x 10	D 55058

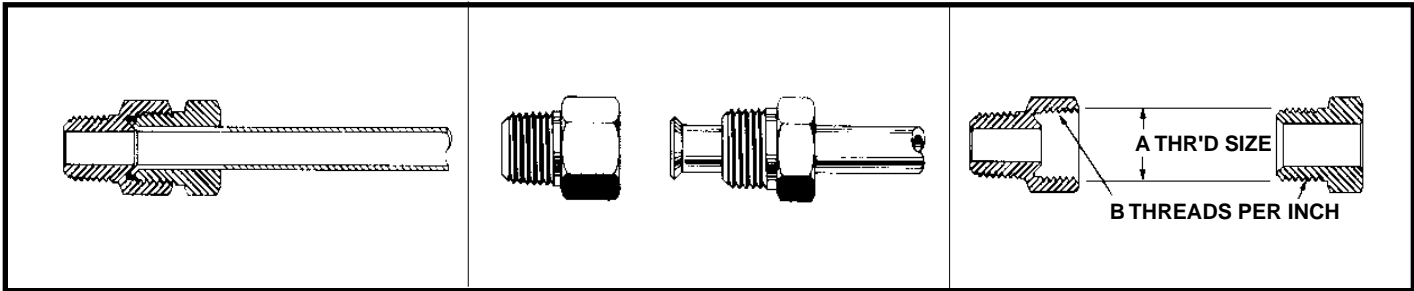
MALE CONNECTOR				
				
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART	
1/8	1/8	48 x 2	O	54056
3/16	1/8	48 x 3	R	54057
1/4	1/8	48 x 4	R	54059
1/4	1/4	48 x 4 x 4	O	54060
5/16	1/8	48 x 5	O	54063
5/16	1/4	48 x 5 x 4	O	54064
3/8	1/8	48 x 6 x 2	O	54066
3/8	1/4	48 x 6	O	54067
3/8	3/8	48 x 6 x 6	O	54068
3/8	1/2	48 x 6 x 8	L	54069
1/2	3/8	48 x 8	L	54074
1/2	1/2	48 x 8 x 8	L	54075
5/8	3/8	48 x 10 x 6	I	54077
5/8	1/2	48 x 10	I	54078

MALE ELBOW				
				
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART	
1/8	1/8	49 x 2	I	54086
3/16	1/8	49 x 3	L	54088
1/4	1/8	49 x 4	O	54089
1/4	1/4	49 x 4 x 4	L	54090
5/16	1/8	49 x 5	L	54092
5/16	1/4	49 x 5 x 4	I	54093
3/8	1/8	49 x 6 x 2	I	54094
3/8	1/4	49 x 6	I	54095
3/8	3/8	49 x 6 x 6	I	54096
3/8	1/2	49 x 6 x 8	I	54097
1/2	3/8	49 x 8	I	54101
1/2	1/2	49 x 8 x 8	E	54102
5/8	3/8	49 x 10 x 6	D	54104
5/8	1/2	49 x 10	D	54105

INVERTED FLARE FITTINGS — BRASS

HIGH PRESSURE AIR, OIL, WATER, LP AND NATURAL GAS APPLICATIONS

Manufactured from virgin high density brass alloy. Low cost. Seats and threads are recessed and protected. Shorter bodies fit tighter places. Shorter nut allows very close tube bends. Reusable. Broad selection of styles and sizes.



SPECIFICATIONS

PRESSURE: Depends on tubing used. Will stand burst pressure of standard tubing — up to 5,000 PSI with Bundyweld (double flared) and 3,500 PSI with copper tubing, depending on size.

TEMPERATURE: -65°F to +250°F to maximum operating pressures. To +400°F under 1,000 PSI.

VIBRATION: Excellent resistance.

USE WITH: Copper, brass, aluminum and brazed steel hydraulic tubing that can be flared.

CONFORMANCE: Approved by Underwriters Laboratories (No. AU-1042) for hazardous liquid, fuel equipment, refrigeration and gas. Meets specifications of SAE for hydraulic tube fitting standards and ASA and ASME codes for pressure piping.

ASSEMBLY INSTRUCTIONS:

1. Slide nut onto tube. Threaded end of nut must face out.
2. Flare end of tube with 45° flaring tool. Check flare diameter. Examine flare for excessive thin out. On thin wall tubing, use double flare to prevent pinch-off.
3. Lubricate threads and assemble to fitting body. Tube nut should be turned hand tight.
4. Tighten assembly with wrench until a solid feeling is encountered. From that point, apply a one-sixth turn.

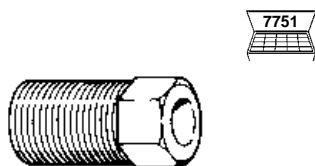
TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
A - THREAD SIZE	5/16	3/8	7/16	1/2	5/8	11/16	3/4	7/8	1-1/16
B - THREADS/INCH	28	24	24	20	18	18	18	18	16

STANDARD NUT — STEEL



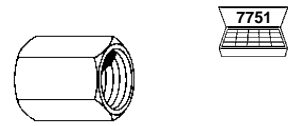
TUBE SIZE	INDUSTRY TYPE	PART
3/16	105 x 3	T 53633
1/4	105 x 4	T 53634
5/16	105 x 5	R 53635
3/8	105 x 6	R 53636
1/2	105 x 8	O 53638

LONG NUT — STEEL



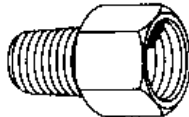

TUBE SIZE	INDUSTRY TYPE	PART
3/16	105L x 3	T 53647
1/4	105L x 4	R 53648

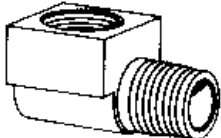

UNION

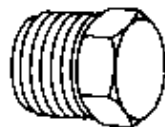



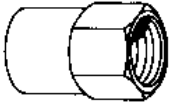
TUBE SIZE	INDUSTRY TYPE	PART
3/16	300 x 3	O 53699
1/4	300 x 4	O 53700
5/16	300 x 5	O 53701
3/8	300 x 6	L 53702
1/2	300 x 8	I 53703

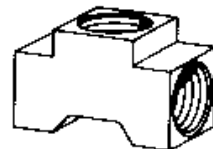
INVERTED FLARE FITTINGS — BRASS (Cont'd.)



MALE CONNECTOR			
 			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/16	1/8	200 x 3	N 53665
1/4	1/8	200 x 4	N 53666
1/4	1/4	200 x 4 x 4	I 53667
5/16	1/8	200 x 5	N 53668
5/16	1/4	200 x 5 x 4	I 53669
3/8	1/8	200 x 6 x 2	I 53670
3/8	1/4	200 x 6	I 53671
3/8	3/8	200 x 6 x 8	I 53672
1/2	3/8	200 x 8	I 53675

MALE ELBOW			
 			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/16	1/8	400 x 3	I 53726
1/4	1/8	400 x 4	I 53727
1/4	1/4	400 x 4 x 4	I 53728
5/16	1/8	400 x 5	I 53729
5/16	1/4	400 x 5 x 4	I 53730
3/8	1/8	400 x 6 x 2	I 53732
3/8	1/4	400 x 6	I 53733
3/8	3/8	400 x 6 x 6	I 53734
1/2	3/8	400 x 8	I 53736
1/2	1/2	400 x 8 x 8	E 53738

PLUG — STEEL			
 			
TUBE SIZE	INDUSTRY TYPE	PART	
3/16	106 x 3	N	53655
1/4	106 x 4	N	53656
5/16	106 x 5	N	53657

FEMALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/16	1/8	250 x 3	I 53685
1/4	1/8	250 x 4	I 53686
5/16	1/8	250 x 5	I 53688
3/8	1/4	250 x 6	I 53689

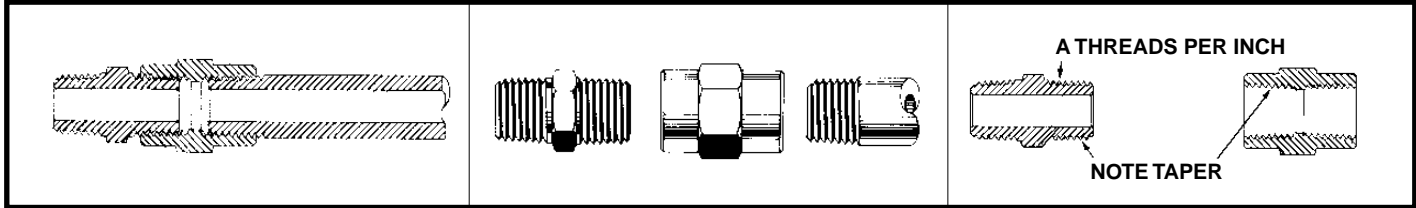
UNION TEE			
			
TUBE SIZE	INDUSTRY TYPE	PART	
3/16	702 x 3	I	53796
1/4	702 x 4	I	53797
5/16	702 x 5	I	53798
3/8	702 x 6	E	53799

45° MALE ELBOW			
 			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/16	1/8	352 x 3	I 53712
1/4	1/8	352 x 4	I 53713
5/16	1/8	352 x 5	I 53714
3/8	1/4	352 x 6 x 4	E 53716

PIPE FITTINGS — BRASS

HIGH PRESSURE WATER, AIR, OIL, LP AND NATURAL GAS APPLICATIONS

Manufactured from virgin high density brass alloy. Positive mechanical seal. Large range of styles and sizes.



SPECIFICATIONS

PRESSURE: 1,200 PSI operating. Proof pressure up to 15,000 PSI for 1/8" and 1/4" pipe, 5,000 PSI on larger sizes.

TEMPERATURE: -65°F to +250°F at 1,000 PSI.

VIBRATION: Good resistance.

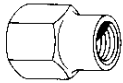
USE WITH: Brass, copper or iron pipe.

CONFORMANCE: Meets specifications of SAE automotive pipe fitting standards.

ASSEMBLY INSTRUCTIONS:
Tighten a minimum of 2-1/2 full turns past hand tight.

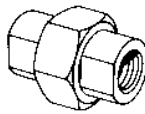
TUBE SIZE	1/8	1/4	3/8	1/2	3/4	1
A - THREADS/INCH	27	18	18	14	14	11-1/2

REDUCING COUPLING



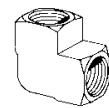
PIPE THREAD	INDUSTRY TYPE	PART
1/4 x 1/8	3300 x 4 x 2	I 54233
3/8 x 1/8	3300 x 6 x 2	I 54234
3/8 x 1/4	3300 x 6 x 4	I 54235
1/2 x 3/8	3300 x 8 x 6	E 54236
1/2 x 1/4	3300 x 8 x 4	E 54237
3/4 x 1/2	3300 x 12 x 8	E 54238

UNION



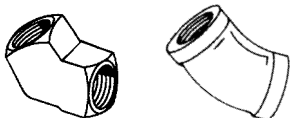
PIPE THREAD	INDUSTRY TYPE	PART
1/8	3250 x 2	A 54283
1/4	3250 x 4	A 54284
3/8	3250 x 6	A 54285
1/2	3250 x 8	A 54286

ELBOW



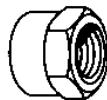
PIPE THREAD	INDUSTRY TYPE	PART
1/8	3500 x 2	I 54244
1/4	3500 x 4	E 54245
3/8	3500 x 6	B 54246
1/2	3500 x 8	B 54247
3/4	3500 x 12	B 54248

45° ELBOW



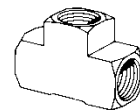
PIPE THREAD	INDUSTRY TYPE	PART
1/8	N/A	I 54240
1/4	N/A	I 54241
3/8	N/A	E 54242
1/2	N/A	E 54243

CAP



PIPE THREAD	INDUSTRY TYPE	PART
1/8	3129 x 2	N 54292
1/4	3129 x 4	I 54293
3/8	3129 x 6	E 54294
1/2	3129 x 8	B 54295

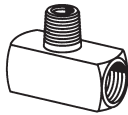
TEE



PIPE THREAD	INDUSTRY TYPE	PART
1/8	3700 x 2	I 54254
1/4	3700 x 4	B 54255
3/8	3700 x 6	B 54256
1/2	3700 x 8	B 54257
3/4	3700 x 12	B 54258

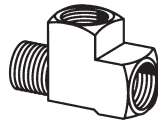
PIPE FITTINGS — BRASS (Cont'd.)

MALE BRANCH TEES



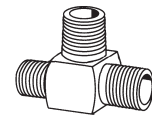
PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3600 x 2	E	54261
1/4	3600 x 4	E	54262
3/8	3600 x 6	E	54263

STREET TEES



PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3750 x 2	E	54249
1/4	3750 x 4	E	54250
3/8	3750 x 6	E	54251

MALE TEES



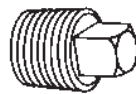
PIPE THREAD	INDUSTRY TYPE	PART	
1/8	N/A	E	54252
1/4	N/A	E	54253
3/8	N/A	E	54259
1/2	N/A	E	54260

RECESSED HEX SOCKET PLUG



PIPE THREAD	INDUSTRY TYPE	PART	
1/8	118 x 2	N	54395
1/4	118 x 4	I	54396
3/8	118 x 6	I	54397
1/2	118 x 8	I	54398

SQUARE HEAD PLUG



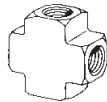
PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3151 x 2	N	54301
1/4	3151 x 4	I	54302
3/8	3151 x 6	I	54303
1/2	3151 x 8	I	54304
3/4	3151 x 12	B	54305

COUPLING



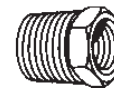
PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3300 x 2	N	54273
1/4	3300 x 4	I	54274
3/8	3300 x 6	E	54275
1/2	3300 x 8	E	54276
3/4	3300 x 12	B	54277

CROSS



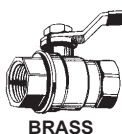
PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3950 x 2	D	55070
1/4	3950 x 4	D	55072
3/8	3950 x 6	D	55074
1/2	3950 x 8	B	55076

BUSHING

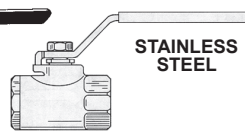


PIPE THREAD	INDUSTRY TYPE	PART		PIPE THREAD	INDUSTRY TYPE	PART	
1/4 x 1/8	3220 x 2	N	54311	1/2 x 3/8	3220 x 8 x 6	I	54316
3/8 x 1/8	3220 x 6 x 2	I	54312	3/4 x 1/8	3220 x 12 x 2	E	54310
3/8 x 1/4	3220 x 6 x 4	N	54313	3/4 x 1/4	3220 x 12 x 4	E	54317
1/2 x 1/8	3220 x 8 x 2	I	54314	3/4 x 3/8	3220 x 12 x 6	E	54318
1/2 x 1/4	3220 x 8 x 4	I	54315	3/4 x 1/2	3220 x 12 x 8	E	54319

BALL VALVES



BRASS



STAINLESS STEEL

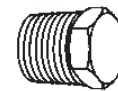
BRASS		STAINLESS STEEL	
VALVE SIZE	PART	PIPE THREAD	PART
1/4	B 54320	3/8	A 54332
3/8	B 54322	1/2	A 54333
1/2	B 54324	3/4	A 54334
3/4	A 54325	-	-
1	A 54326	-	-
1-1/4	A 54327	-	-
1-1/2	A 54328	-	-
2	A 54329	-	-

CLOSE NIPPLE



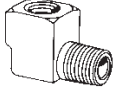

PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3326 x 2	R	54335
1/4	3326 x 4	N	54336
3/8	3326 x 6	I	54337
1/2	3326 x 8	I	54338
3/4	3326 x 12	B	54339

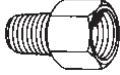
HEX HEAD PLUGS

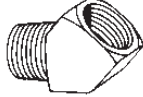




PIPE THREAD	INDUSTRY TYPE	PART	
1/8	3152 x 2	N	54422
1/4	3152 x 4	N	54423
3/8	3152 x 6	I	54424
1/2	3152 x 8	I	54425
3/4	3152 x 12	E	54426

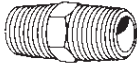

PIPE FITTINGS — BRASS (Cont'd.)

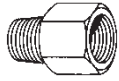
STREET ELBOW		
 		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	3400 x 2	I 54375
1/4	3400 x 4	I 54376
3/8	3400 x 6	E 54378
1/2	3400 x 8	E 54379
3/4	3400 x 12	B 54380

REDUCING ADAPTER		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/4 x 1/8	3200 x 4 x 2	I 54413
3/8 x 1/8	3200 x 6 x 2	I 54414
3/8 x 1/4	3200 x 6 x 4	I 54415
1/2 x 3/8	3200 x 8 x 6	I 54416



45° STREET ELBOW		
 		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	3350 x 2	I 54453
1/4	3350 x 4	I 54454
3/8	3350 x 6	E 54455
1/2	3350 x 8	E 54456

LONG NIPPLE		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/8 x 1-1/2	3327 x 2	N 54345
1/4 x 1-1/2	3327 x 4	I 54346
3/8 x 1-1/2	113 x 615	I 54347
1/2 x 1-1/2	113 x 815	I 54348
1/8 x 2	3328 x 2	I 54349
1/4 x 2	3328 x 4	I 54350
3/8 x 2	3328 x 6	I 54351
1/2 x 2	113 x 820	E 54352
1/8 x 2-1/2	3329 x 2	N 54353
1/4 x 2-1/2	3329 x 4	I 54354
3/8 x 2-1/2	113 x 625	E 54355
1/2 x 2-1/2	113 x 825	E 54356
1/8 x 3	3330 x 2	I 54357
1/4 x 3	113 x 430	I 54358
3/8 x 3	113 x 630	I 54359
1/2 x 3	113 x 830	E 54360

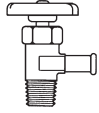
HEX NIPPLE		
 		
PIPE THREAD	INDUSTRY TYPE	PART
1/8 x 1/8	3325 x 2	N 54432
1/4 x 1/4	3325 x 4	I 54433
3/8 x 3/8	3325 x 6	I 54434
1/2 x 1/2	3325 x 8	I 54435
3/4 x 1/2	3325 x 12 x 8	E 54431


ADAPTER		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	3200 x 2	N 54404
1/4	3200 x 4	I 54405
3/8	3200 x 6	I 54406
1/2	3200 x 8	E 54264

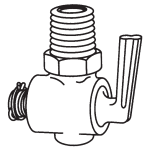
PIPE FITTING ACCESSORIES

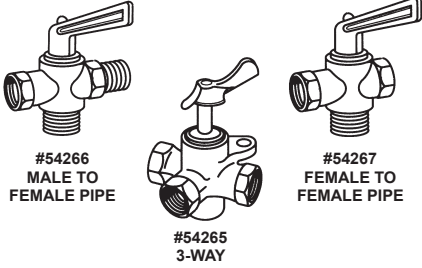
4-WAY SILLCOCK KEY	
<ul style="list-style-type: none"> • Use to open and close sillcocks and spigots • Service most sillcocks in common use • Use in place of sillcock handles • 4 Stems: 1/4", 9/32", 5/16", and 11/32" • Durable plated steel construction • Easy to use 	
 	
DESCRIPTION	PART
4-way Sillcock Key – 1/4", 9/32", 5/16", 11/32"	A 54750

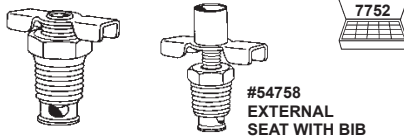
PIPE FITTINGS — BRASS (Cont'd.)


PIPE TO HOSE SHUT-OFF		
		
PIPE THREAD	INDUSTRY TYPE	PART
3/8	7506	A 54764

NEEDLE VALVE FEMALE PIPE		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/4 Forged	6805	A 54759



GROUND PLUG DRAIN		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	6891	B 54760
1/4	6892	B 54761
3/8	6893	B 54762

MULTIPLE SHUT-OFFS		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/4	6829	A 54266
1/4	6809	A 54267
3/8	6709	A 54265

DRAIN COCK – EXTERNAL SEAT		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	801-2	B 54751
1/4	801-4	B 54752
3/8	801-6	B 54753
1/2	801-8	B 54754
1/4	807-4	B 54758

DRAIN COCK – INTERNAL SEAT		
		
PIPE THREAD	INDUSTRY TYPE	PART
1/8	130	A 54755
1/4	1425 (HD)	A 54756
3/8	230	A 54757

PIPE FITTING ACCESSORIES

QUARTER-TURN SUPPLY LINES – FOR TOILETS AND FAUCETS	
<p>16" Toilet – P/N 51694</p> <ul style="list-style-type: none"> 1/2" FPT Metal Swivel/Nut on supply end (includes removable 3/8" bushing) 7/8" Ballcock Plastic Swivel/Nut, with EPDM Cone Washer on riser end 16" Braided stainless supply line with PVC liner <p>22" Faucet – P/N 51695</p> <ul style="list-style-type: none"> 1/2" FPT Metal Swivel/Nut on supply end (includes removable 3/8" bushing) Metal Swivel/Nut, 1/2-14 NPS Thread, with EPDM Cone Washer on riser end 22" Braided Stainless supply line with PVC liner 	<p>Features</p> <ul style="list-style-type: none"> One-piece angle stop & supply line NPT connection 1/2" NPT fitting includes 3/8" removable bushing Braided stainless steel supply line Conical washer with support collar Swivel/Nut connector Quarter-turn valve design Dual levered handle No special installation tools required No-Lead design Operating temperature: From 40° to 150°F at a maximum working pressure of 125 psi with potable water <p>Material Compatibility</p> <ul style="list-style-type: none"> Designed for use with: <ul style="list-style-type: none"> ASTM B88 hard drawn and annealed Copper tube, Type K, L, or M, in the 1/2" size CPVC water tube per ASTM D2846/2846M-99 in the 1/2" size PEX water tube per ASTM F876, F877 in the 1/2" size using a tube liner designed by EPC (provided); and Threaded Pipe in the 1/2" and 3/8" size
	
	
DESCRIPTION	PART
Quarter-Turn Supply Line, Toilet – 16"	A 51694
Quarter-Turn Supply Line, Faucet – 22"	A 51695

NTA AIR BRAKE FITTINGS — BRASS

MEETS ALL AIR BRAKE SPECIFICATIONS — FULLY D.O.T. APPROVED

Utilizes ribbed sleeve for compression and positive grip. Five remakes possible when disassembled. Body (less insert) interchangeable with standard air brake compression bodies.



SPECIFICATIONS

USE WITH: Nylon tubing (SAE J844, type 3).

ASSEMBLY INSTRUCTIONS:

1. Cut tubing to length required.
2. Insert tubing into fitting.
3. Tighten nut.

DISSASSEMBLY INSTRUCTIONS:

1. Remove nut and pull tubing out of fitting body.
2. Insert will remain in tubing.

RE-ASSEMBLY INSTRUCTIONS:


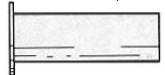

1. Push tubing and insert into fitting body until it bottoms.
2. Thread nut onto fitting body and tighten.

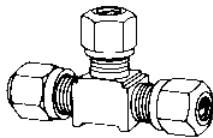
SLEEVE		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1460-4	R 55402
3/8	1460-6	R 55403
1/2	1460-8	O 55404
5/8	1460-10	L 55405
3/4	1460-12	I 55406

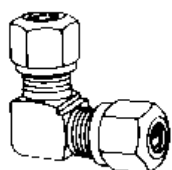
NUT		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1461-4	O 55410
3/8	1461-6	O 55411
1/2	1461-8	L 55412
5/8	1461-10	I 55413
3/4	1461-12	I 55414

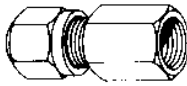
UNION		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1462-4	I 55418
3/8	1462-6	I 55419
1/2	1462-8	F 55420
5/8	1462-10	D 55421
3/4	1462-12	B 55422

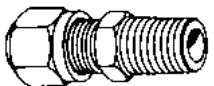

NTA AIR BRAKE FITTINGS — BRASS (Cont'd.)

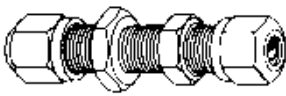
TUBE INSERT					
 <p>BRASS</p>			 <p>STAINLESS STEEL</p>		
					
BRASS			STAINLESS STEEL		
TUBE SIZE	IND. TYPE	PART	TUBE SIZE	PART	
1/4	1484-4	R 55425	1/4	N	55447
3/8	1484-6	R 55426	3/8	N	55448
1/2	1484-8	O 55427	1/2	N	55449
5/8	1484-10	L 55428	5/8	I	55450
3/4	1484-12	I 55429	-	-	-

UNION TEE		
		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1464-4	D 55433
3/8	1464-6	D 55434
3/8 x 3/8 x 1/4	1464-664	D 55435
1/2	1464-8	B 55437
1/2 x 1/2 x 3/8	1464-886	B 55438

UNION ELBOW		
		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1465-4	D 55443
3/8	1465-6	G 55444
1/2	1465-8	D 55445
5/8	1465-10	B 55446

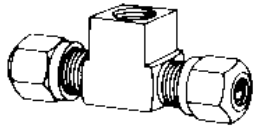
FEMALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1466-42	I 55451
1/4	1/4	1466-44	I 55452
3/8	1/8	1466-62	I 55453
3/8	1/4	1466-64	I 55454
3/8	3/8	1466-66	G 55455
1/2	3/8	1466-86	D 55456
5/8	1/2	1466-108	B 55457
3/4	1/2	1466-128	B 55458

MALE CONNECTOR			
			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1468-42	I 55463
1/4	1/4	1468-44	I 55464
1/4	3/8	1468-46	I 55465
3/8	1/8	1468-62	I 55466
3/8	1/4	1468-64	I 55467
3/8	3/8	1468-66	I 55468
3/8	1/2	1468-68	G 55469
1/2	1/4	1468-84	I 55470
1/2	3/8	1468-86	I 55471
1/2	1/2	1468-88	F 55472
5/8	3/8	1468-106	F 55473
5/8	1/2	1468-108	F 55474
3/4	1/2	1468-128	D 55475
3/4	3/4	1468-1212	D 55476

BULKHEAD UNION		
		
TUBE SIZE	INDUSTRY TYPE	PART
1/4	1474-4	F 55532
3/8	1474-6	F 55533
1/2	1474-8	D 55534
5/8	1474-10	B 55535

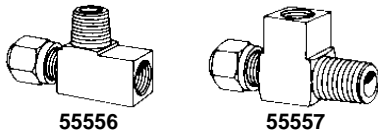
NTA AIR BRAKE FITTINGS — BRASS (Cont'd.)

FEMALE BRANCH TEE



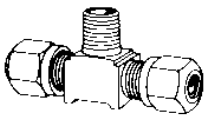
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/8	1/4	1477-64	B 55538
1/2	1/4	1477-84	B 55539

ADAPTER TEE



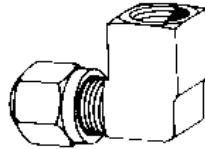
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/8	1/4 x 3/8	1482-646	D 55556
3/8	3/8 x 1/4	1483-664	D 55557

MALE BRANCH TEE



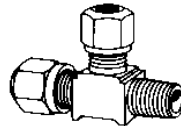
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1472-42	F 55522
1/4	1/4	1472-44	F 55523
3/8	1/8	1472-62	F 55524
3/8	1/4	1472-64	F 55525
3/8	3/8	1472-66	F 55526
1/2	3/8	1472-86	D 55527
5/8	1/2	1472-108	D 55528

FEMALE ELBOW



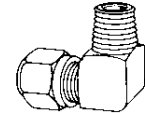
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1470-42	I 55501
3/8	1/8	1470-62	F 55502
3/8	1/4	1470-64	G 55503
3/8	3/8	1470-66	G 55504
1/2	3/8	1470-86	F 55505

MALE RUN TEE



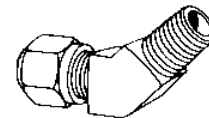
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1471-42	F 55510
1/4	1/4	1471-44	D 55511
3/8	1/4	1471-64	F 55513
3/8	3/8	1471-66	D 55514
1/2	3/8	1471-86	D 55515
5/8	1/2	1471-108	D 55516

90° MALE ELBOW



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1469-42	I 55482
1/4	1/4	1469-44	I 55483
1/4	3/8	1469-46	F 55484
3/8	1/8	1469-62	I 55485
3/8	1/8 long	1469-62 L	I 55486
3/8	1/4	1469-64	I 55487
3/8	3/8	1469-66	I 55488
3/8	1/2	1469-68	F 55489
1/2	1/4	1469-84	F 55490
1/2	3/8	1469-86	G 55491
1/2	1/2	1469-88	F 55492
5/8	3/8	1469-106	D 55493
5/8	1/2	1469-108	D 55494
3/4	1/2	1469-128	B 55495

45° MALE ELBOW



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	1480-42	G 55546
3/8	1/4	1480-64	G 55547
3/8	3/8	1480-66	F 55548
1/2	3/8	1480-86	D 55549
1/2	1/2	1480-88	D 55550
5/8	1/2	1480-108	B 55551

NTA AIR BRAKE FITTINGS — BRASS (Cont'd.)

EATON — FULLER AIR TRANSMISSION FITTINGS

COLLET — SPLIT SLEEVE



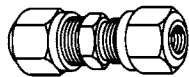
TUBE SIZE	INDUSTRY TYPE	PART
1/8	560-2	R 55576
5/32	560-2.5	R 55575
1/4	560-4	R 55577

NUT



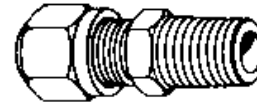
TUBE SIZE	INDUSTRY TYPE	PART
1/8	561-2	o 55580
5/32	561-2.5	o 55579
1/4	561-4	o 55581

UNION-SPLIT SLEEVE



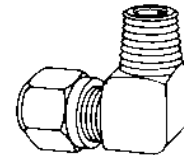
TUBE SIZE	INDUSTRY TYPE	PART
1/8	562-2	l 55584
5/32	562-2.5	l 55583
1/4	562-4	l 55585

MALE CONNECTOR — SPLIT SLEEVE



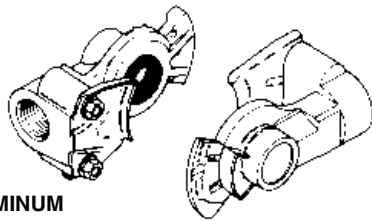
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/16	568-21	l 55587
1/8	1/8	568-22	l 55588
5/32	1/16	568-2.51	l 55595
5/32	1/8	568-2.52	l 55596
1/4	1/8	568-42	l 55589

90° MALE ELBOW — SPLIT SLEEVE



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/16	569-21	l 55592
1/8	1/8	569-22	l 55593
5/32	1/8	569-2.52	l 55591
1/4	1/8	569-42	l 55594

MISCELLANEOUS AIR BRAKE FITTINGS



- DIE CAST ALUMINUM
- CONFORMS TO SAE J318
- CONNECTS TO 1/2" PIPE

GLADHAND COUPLINGS AND SEALS

DESCRIPTION	INDUSTRY TYPE	PART
Service type coupling — connect only to service	78850	A 55597
Emergency type coupling — connect only to emergency	78851	A 55598
Universal type coupling — connects to all three styles	75150	A 55599

GLADHAND SEAL



EASY INSTALLATION LUBRICATE WITH HYDRAULIC FLUID

INDUSTRY TYPE	PART
13630	l 54763

AIR TANK DRAIN VALVE

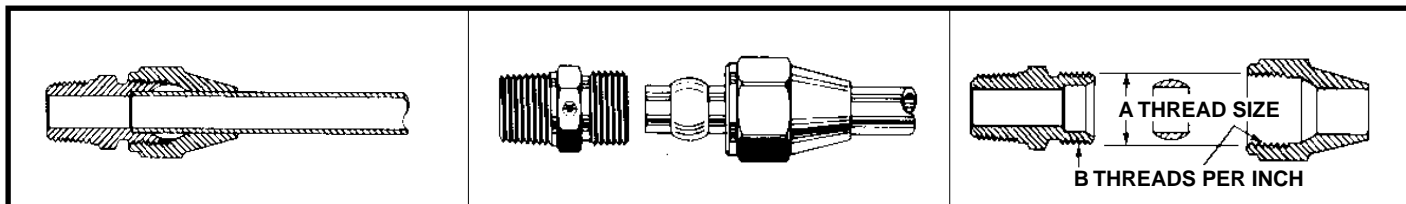


PIPE THREAD	INDUSTRY TYPE	PART
1/4	1421	A 55542

AIR BRAKE FITTINGS FOR COPPER TUBING — BRASS

EXCEEDS PRESSURE REQUIREMENTS FOR ALL AIR BRAKE SYSTEMS

Manufactured from virgin high density brass alloy. Low cost. No flare required. Easy to assemble.



SPECIFICATIONS

PRESSURE: Exceeds pressure requirements of all automotive air brake systems.

TEMPERATURE: -65°F to +250°F.

USE WITH: Copper tubing in air brake systems.

CONFORMANCE: Meets specifications and standards of SAE and MS (Military Standards).

ASSEMBLY INSTRUCTIONS:

1. Slide nut and then sleeve on tubing. Threaded end of nut must face out.
2. Insert tubing into fitting body. Be sure tubing is bottomed on fitting shoulder.
3. Tighten assembly hand tight. From that point, tighten with a wrench the number of turns indicated below:

TUBE SIZE	ADD'L. # TURNS FROM HAND TIGHT
1/4, 3/8	1-3/4
1/2, 5/8, 3/4	3-1/4

TUBE SIZE	1/4	3/8	1/2	5/8	3/4
A - THREAD SIZE	7/16	17/32	11/16	13/16	1
B - THREADS/INCH	24	24	20	18	18

SLEEVE



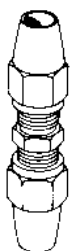
TUBE SIZE	INDUSTRY TYPE	PART
1/4	00457	T 53425
3/8	00361	T 53426
1/2	03754	T 53427
5/8	10612	R 53428
3/4	03897	R 53429

NUT



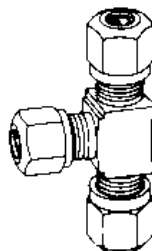
TUBE SIZE	INDUSTRY TYPE	PART
1/4	00455	R 53435
3/8	00360	O 53436
1/2	03755	L 53437
5/8	10613	I 53438
3/4	03896	E 53439

UNION



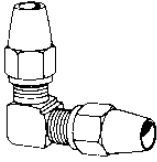
TUBE SIZE	INDUSTRY TYPE	PART
1/4	05514	I 53445
3/8	05134	I 53446
1/2	15710	E 53447
5/8	21826	A 53448
3/4	16523	A 53449
-	-	-

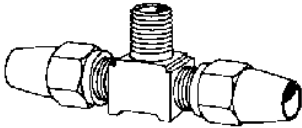
UNION TEE

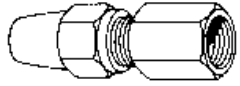


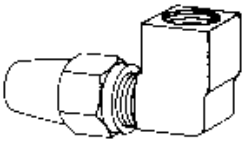
TUBE SIZE	INDUSTRY TYPE	PART
1/4	B-164-4	E 53455
3/8 x 3/8 x 1/2	17663	E 53456
3/8	05106	A 53457
1/2	15712	A 53458
5/8	21984	A 53459
3/4	B-164-12	A 53460

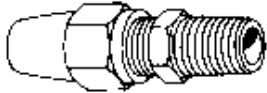
AIR BRAKE FITTINGS FOR COPPER TUBING — BRASS (Cont'd.)

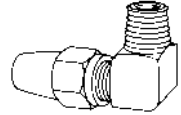
UNION ELBOW			
			
TUBE SIZE	INDUSTRY TYPE	PART	
1/4	B-165-4	E	53466
3/8	05113	E	53467
1/2	22359	A	53468
5/8	22360	A	53469
3/4	B-165-12	A	53470

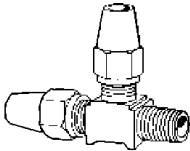
MALE BRANCH TEE			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-172-42	E 53489
3/8	1/8	17051	E 53490
3/8	1/4	05103	E 53491
3/8	3/8	05177	A 53492
1/2	3/8	15700	A 53493
5/8	1/2	21982	A 53494
3/4	1/2	B-172-128	A 53495

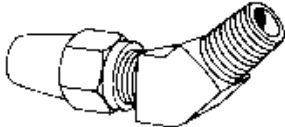
FEMALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-166-42	L 53476
3/8	1/8	05418	I 53477
3/8	1/4	05826	I 53478
3/8	3/8	05827	E 53479
1/2	3/8	15711	L 53480
1/2	1/2	B-166-88	E 53481
5/8	1/2	B-166-108	E 53482
3/4	1/2	B-166-128	A 53483

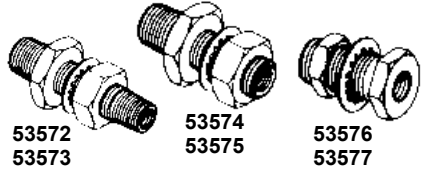
FEMALE ELBOW			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-170-42	I 53537
3/8	1/8	B-170-62	I 53538
3/8	1/4	05135	E 53539
3/8	3/8	05830	E 53540
1/2	3/8	15702	E 53541
1/2	1/2	B-170-88	A 53542
5/8	1/2	B-170-108	A 53543

MALE CONNECTOR			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	05127	L 53501
1/4	1/4	05183	L 53502
3/8	1/8	05509	I 53503
3/8	1/4	05053	I 53504
3/8	3/8	05824	I 53505
3/8	1/2	22063	I 53506
1/2	1/4	17690	I 53507
1/2	3/8	17525	I 53508
1/2	1/2	17691	I 53509
5/8	3/8	16685	E 53510
5/8	1/2	16684	A 53511
5/8	3/4	B-168-1012	E 53512
3/4	1/2	17621	A 53513
3/4	3/4	15762	A 53514

90° MALE ELBOW			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-169-42	L 53520
1/4	1/4	24318	I 53521
3/8	1/8	05522	I 53522
3/8	1/4	05102	I 53523
3/8	3/8	05829	E 53524
3/8	1/2	22062	E 53525
1/2	1/4	20475	E 53526
1/2	3/8	15709	E 53527
1/2	1/2	16310	E 53528
5/8	3/8	21993	A 53529
5/8	1/2	21825	A 53530
3/4	1/2	B-169-128	A 53531

MALE RUN TEE			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-171-42	E 53549
1/4	1/4	B-171-44	E 53550
-	-	-	-
3/8	1/4	05103	E 53552
3/8	3/8	05177	A 53553
1/2	3/8	15700	A 53554
1/2	1/2	B-171-88	A 53555
5/8	1/2	21982	A 53556
3/4	1/2	B-171-128	A 53557

45° MALE ELBOW TUBE			
			
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	B-177-42	I 53563
3/8	1/4	20722	E 53564
1/2	3/8	20292	E 53565
5/8	1/2	22065	A 53566

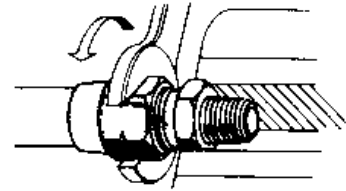
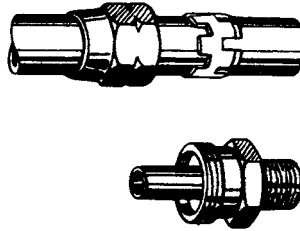
BULKHEAD COUPLING					
					
		53572 53573	53574 53575	53576 53577	
THREAD		LENGTH	INDUSTRY TYPE	PART	
A	B				
1/2	1/4	2-15/16	05730	A	53572
1/2	1/4	3-15/16	23464	A	53573
1/2	1/4	2-5/32	05498	A	53574
1/2	1/4	2-17/32	05499	A	53575
1/4	1/4	1-1/2	05465	E	53576
1/4	1/4	5/16	21204	E	53577

REUSABLE AIR BRAKE FITTINGS — BRASS

HOSE ENDS AND ASSEMBLIES

ASSEMBLY INSTRUCTIONS:

1. Slide nut and sleeve onto hose. Make sure bevel edge of sleeve faces out toward fitting.
2. Push hose into fitting until it bottoms.
3. Tighten nut down all the way.



HOSE CONNECTOR ASSEMBLY



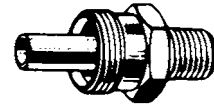
HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	1/4	15540	A 53583
3/8	3/8	24887	A 53584
3/8	1/2	15539	A 53585
1/2	3/8	368-86	A 55442

HOSE COUPLING NUT



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	—	03624	I 53591

HOSE COUPLING BODY



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	1/4	15993	I 53597
3/8	3/8	33470	E 53598
3/8	1/2	15992	E 53599

SLEEVE



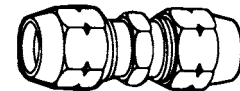
HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	-	03610	L 53626

HOSE CONNECTOR WITH SPRING GUARD



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	1/4	15536	A 53605
3/8	3/8	23907	A 53606
3/8	1/2	15535	A 53607

HOSE SPLICER



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	-	362-6	A 55416
1/2	-	362-8	A 55417

HOSE COUPLING NUT WITH SPRING GUARD



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/8	—	379-6	E 53614

HOSE COUPLING NUT FOR SPRING GUARD



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
3/8	—	03613	I 53613

SPRING GUARD



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART
3/8	—	01045	O 53620

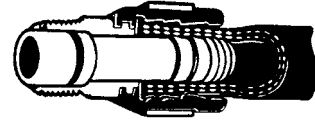
AIR BRAKE HOSE REPAIR KIT

FIELD INSTALLATION KIT MEETS DOT AND SAE SPECIFICATIONS

CIC 200 Heavy Duty Air Brake Hose Repair Kit is ideal for shop and field installations and repairs of 3/8" air brake hose. Repairs are fast, simple and conform to both DOT 106 and SAE J1402 requirements. These fittings are standard original equipment with manufacturers such as Strick, Monon, Loadcraft, Dorsey, Great Dane, GMC, Pike, Trail King, etc.

FEATURES:

- REINFORCED NYLON AND BRASS COMPONENTS
- DOT 106 AND SAE J1402 CERTIFIED
- FOR USE ON AIR CHAMBERS, RELAY VALVES, GLAD HANDS, ETC.



DESCRIPTION

TWO 3/8" AIR BRAKE END FITTINGS
3/8" FEMALE X 1/4" MALE ADAPTOR

PART

A	53420
R	54415

INSTALLATION PROCEDURE



1. Disassemble Kit



2. Position hose end on SHELL (A) flush with groove (see arrows).



3. Insert FITTING (B) into groove and position SHELL (C) opposite SHELL (A).



4. With assembly in hand, squeeze forward ends of shell and push and twist RETAINING RING (D) over shells to its final position as shown by arrows.



5. Insert BARB (E) into fitting. (Threaded end of barb should be greased). Push and turn to start threads. Using a 5/16" hexagon key continue to push and turn until the barb is flush inside the fitting. *NOTE: Check final assembly visually to insure that hose has not shifted position during assembly.*

QUICK DISCONNECT PNEUMATIC FITTINGS

THE FASTEST METHOD OF JOINING PNEUMATIC LINES

Manufactured from high density brass alloy and rust resistant, case hardened steel.

SPECIFICATIONS



USE WITH: All air operated equipment such as: blow guns, tire inflators, paint sprayers, air hammers, air drills, greasing equipment, oil sprays, etc.

FEATURES: Hardened steel balls engage groove in coupler plug, holding it securely against soft Buna-N seal. Assembly swivels, preventing kinking or twisting of hoses.

A sliding sleeve releases the locking balls when retracted, allowing the plug to be inserted or removed. The sleeve automatically returns to the locked position when released.

An automatic shutoff valve in the coupler seals instantly when disconnected, eliminating the need for a separate shut-off.

"M" STYLE COUPLERS

1/4" Basic Size Industrial Interchange Series

COUPLER BODY - BRASS



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4 B	52200
1/4 NPT Male	1/4 B	52216
3/8 NPT Male	1/4	52201
1/4 Hose Barb	1/4	52209
3/8 Hose Barb	1/4	52213

COUPLER PLUG - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4 L	52218
1/4 NPT Male	1/4 L	52202
3/8 NPT Male	1/4 E	52203
1/4 Hose Barb	1/4 A	52211
3/8 Hose Barb	1/4 E	52215

"P" STYLE COUPLERS

3/8" Basic Size Tru-Flate/Parker Style Interchange Series

COUPLER BODY - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	3/8 A	52259
3/8 NPT Female	3/8 A	52256

COUPLER PLUG - STEEL

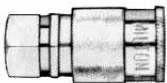


PIPE THREAD	FLOW I.D.	PART
3/8 NPT Male	3/8 A	52260
3/8 NPT Female	3/8 A	52264
1/4 NPT Male	3/8 A	52254
1/4 NPT Female	3/8 A	52255

"H" STYLE COUPLERS

3/8" Basic Size Industrial Interchange Series

COUPLER BODY - STEEL



PIPE THREAD	FLOW I.D.	PART
3/8 NPT Female	3/8 A	52262

COUPLER PLUG - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Male	3/8 E	52217
3/8 NPT Male	3/8 A	52263

"G" STYLE COUPLERS

1/2" Basic Size Industrial Interchange Series

COUPLER BODY - STEEL



PIPE THREAD	FLOW I.D.	PART
1/2 NPT Female	1/2 A	52265
1/2 NPT Male	1/2 A	52258

COUPLER PLUG - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Male	1/2 A	52278
3/8 NPT Male	1/2 A	52219
1/2 NPT Female	1/2 A	52266
1/2 NPT Male	1/2 A	52267

"A" STYLE COUPLERS

1/4" Basic Size ARO Style Interchange Series

COUPLER BODY - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4 A	52250

COUPLER PLUG - STEEL

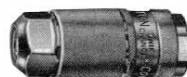


PIPE THREAD	FLOW I.D.	PART
1/4 NPT Male	1/4 E	52251
1/4 NPT Female	1/4 A	52257

"L" STYLE COUPLERS

1/4" Basic Size Lincoln Style Interchange Series

COUPLER BODY - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4 A	52252
1/4 NPT Male	1/4 A	52249

COUPLER PLUG - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Male	1/4 A	52253
1/4 NPT Female	1/4 A	52261

QUICK DISCONNECT PNEUMATIC FITTINGS (Cont'd.)

"T" STYLE COUPLERS

1/4" Basic Size Tru-Flate/Parker Style Interchange Series

COUPLER BODY - BRASS



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4	B 52208
1/4 NPT Male	1/4	B 52222
1/4 NPT Male (all steel)	1/4	B 52212

COUPLER PLUG - STEEL



PIPE THREAD	FLOW I.D.	PART
1/4 NPT Female	1/4	F 52220
1/4 NPT Male	1/4	F 52210
1/4 NPT Male (use with 52212)	1/4	F 52214
3/8 Hose Barb	1/4	A 52205
3/8 P&L Hose Barb	1/4	A 52207

BALL SWIVEL FITTINGS

- ALL BRASS WITH NICKEL-PLATED BARBS PROVIDE LONGER LIFE AND SMOOTHER PERFORMANCE
- USE BETWEEN THE TOOL AND AIR SUPPLY HOSE TO ELIMINATE KINKING AND TWISTING
- OFFERED WITH 1/4" BODY SIZE INDUSTRIAL, AUTOMOTIVE AND ARO INTERCHANGE CONNECTOR ENDS
- PROVIDES A MORE NATURAL RANGE OF MOTION, A GREATER BEND ANGLE (20° to 25°, DEPENDING ON SIZE) AND FLOW CAPACITY
- INCREASES TOOL MANEUVERABILITY AND PRODUCTION CAPACITY, MINIMIZES USER FATIGUE, EXTENDS THE LIFE OF THE HOSE AND MINIMIZES COST
- SWIVEL CONVERSION FITTING ELIMINATES KINKED AND TWISTED AIR LINES WITH 360° SWIVEL



DESCRIPTION	PART
1/4" Barb x 1/4" MPT	A 52221
5/16" Barb x 1/4" MPT	A 52223
3/8" Barb x 1/4" MPT	A 52225
1/4" FPT x 1/4" MPT Swivel Conversion Fitting	A 52236
1/4" Industrial x 1/4" MPT	A 52235
1/4" Tru-Flat x 1/4" MPT	A 52237
1/4" ARO x 1/4" MPT	A 52241

MISCELLANEOUS

HOSE MENDERS — BRASS



DESCRIPTION	PART
1/4" I.D. Hose	I 52240
5/16" I.D. Hose	I 52242
3/8" I.D. Hose	I 52244

UNIVERSAL AIR COUPLERS

- ACCEPTS THE THREE MOST POPULAR 1/4" BASIC STYLE PLUGS SOLD IN THE USA
 - "A" Style - ARO (210)
 - "M" Style - Milton (Industrial Interchange)
 - "T" Style - Tru-Flate or Parker (Automotive)
- AUTOMATIC PUSH-TO-CONNECTION OPERATION
- HIGH FLOW MACHINED "WINDOW VALVE"
- CORROSION RESISTANT SOLID BRASS CONSTRUCTION
- SLEEVE GUARD PREVENT ACCIDENTAL DISCONNECTS AND PROTECTS SLEEVE FROM DAMAGE



DESCRIPTION	PART
1/4" Female	A 52268
1/4" Male	A 52269

3 IN 1 AIR MANIFOLD

- STURDY LIGHTWEIGHT ALUMINUM
- SUPPLIES 3 TOOLS FROM 1 OUTLET
- NO NEED TO CONNECT AND DISCONNECT EVERY TIME YOU WANT TO CHANGE TOOLS



DESCRIPTION	PART
3/8" NPT Inlet with three 1/4" Outlets	A 52238

QUICK DISCONNECTS – PUSH BUTTON

PUSH BUTTON SAFETY RELEASE COUPLINGS



- STATE OF THE ART PUSH-BUTTON COUPLING TECHNOLOGY
- DOUBLE RELEASE AIR SAFETY COUPLING PREVENTS HOSE WHIP
- LEAKAGE FREE – "THRU O-RING" DESIGN GREATLY REDUCES EXPENSIVE AIR LEAKS
- FULLY INTERCHANGEABLE WITH SERIES LISTED BELOW
MEETING MIL-C-4109 AND ISO 6150-B SPECIFICATIONS CONFORMS TO ISO 4144 SAFETY SPECIFICATIONS

APPLICATIONS:

- SAFETY REQUIRED AIR TOOLS, BLOWGUNS, AIR AUTOMATIC EQUIPMENT
- PAINT AND BODY SHOPS
- AUTOMOTIVE AND AIRCRAFT ASSEMBLY LINES

INSTRUCTIONS:

1. The first press on the push-button decompresses the lower part of the circuit without disconnecting the plug and with reduced risk to the user.
2. The second press on the push button safely releases the plug.

ARO STYLE INTERCHANGE SERIES			INDUSTRIAL INTERCHANGE SERIES						TRU-FLATE/PARKER STYLE INTERCHANGE SERIES					
			"H" STYLE – 3/8"			"M" STYLE – 1/4"			"P" STYLE – 3/8"			"T" STYLE – 1/4"		
NPT PIPE THREAD	FLOW I.D.	PART	NPT PIPE THREAD	FLOW I.D.	PART	NPT PIPE THREAD	FLOW I.D.	PART	NPT PIPE THREAD	FLOW I.D.	PART	NPT PIPE THREAD	FLOW I.D.	PART
"A" STYLE – 1/4"			3/8 Female	3/8	A 52293	1/4 Female	1/4	A 52289	3/8 Female	3/8	A 52299	1/4 Female	1/4	A 52295
			3/8 Male	3/8	A 52294	1/4 Male	1/4	A 52290	3/8 Male	3/8	A 52301	1/4 Female	3/8	A 52297
1/4 Female	1/4	A 52296	–	–	–	3/8 Female	1/4	A 52291						
–	–	–	–	–	–	3/8 Male	1/4	A 52292						

AIR BLOW GUNS

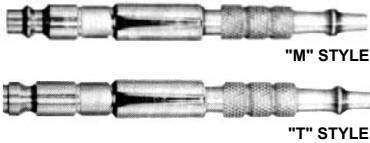
SAFETY BLOW GUN

- Ergonomic design fits in your hand comfortably
 - Composite body and nozzle will not scratch – sturdy and durable
 - Light weight (4.8 oz.)
 - 1/4" female brass insert to match any plug profile
 - Built-in hole on body so it can hang up easily on hook
 - The shape of the trigger will not allow any dust or material inside the gun
 - It operates with a double O-ring seal and stainless steel spring
 - Built-in trigger stop at the handle base. Prevents the handle from being over extended and fatigued
 - Trigger and nozzle angle are shaped in the natural air flow of the gun
- 7.7 SCFM @ 87 PSI
 - 90 db rating
 - Blower Force - 9.5 Oz
 - Dynamic Pressure @ 87 PSI = 17.40 PSI



DESCRIPTION	PART
Safety Blowgun with OSHA Venturi Nozzle	A 52233

POCKET BLO-GUN



EASY GRIP TWO FINGER AIR CONTROL ADJUSTS FROM WHISPER TO FULL VOLUME AIR FLOW

DESCRIPTION	PART
Fits 1/4 "M" style coupler body	A 52224
Fits 1/4 "T" style coupler body	A 52226

RUBBER TIP BLO-GUN



- FULL LINE PRESSURE
- HEAVY DUTY
- LEAK-PROOF CONNECTION FOR BLOWING OUT FLUID LINES
- WON'T MAR DELICATE OR PAINTED SURFACES

DESCRIPTION	PART
1/4" NPT Air Inlet with Rubber Tip	A 52230

SAFETY LEVER BLO-GUN



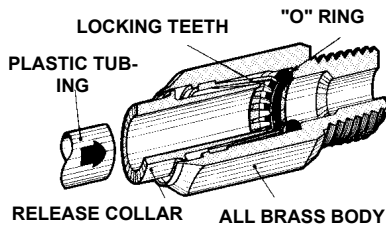
- FULL FLOW
- LEVER EASILY CONTROLS AIR FLOW
- HUNDREDS OF AUTOMOTIVE/ INDUSTRIAL USES
- RUGGED CONSTRUCTION
- MEETS OSHA REQUIREMENTS

DESCRIPTION	PART
1/4" NPT Air Inlet Nozzle Thread 7/16-27	A 52228
1/4" NPT Air Inlet w/Hang-Up Hook Nozzle Thread 1/8-27	A 52229

INSTANT FITTINGS – BRASS

THE FASTEST CONNECTIONS FOR AIR, FUEL, WATER AND OIL LINES

Instant pneumatic, hydraulic, instrumentation and lubrication connections. Automatic locking and sealing to maximum working pressure. Release collar for instant removal of tubing and line checks.



FOR TRUCK, HEAVY EQUIPMENT AND INDUSTRIAL USE

- Because there is no nut, the fittings can be closely mounted.
- Positive gripping action of locking teeth allows tubing to withstand vibration with or without pressure.
- Unrestricted ID allows maximum flow.
- Possible to use smaller tube size where larger tubing with compression or barb fitting has been required.
- Fully reusable since there are no ferrules or inserts.
- Elbow and tee configurations available with 360° swivel.
- One-piece fitting means reduced assembly time and fewer parts in inventory.
- Male pipe threads are pretaped with teflon.

SPECIFICATIONS

PRESSURE: From 27" Hg to 250 PSI

TEMPERATURE: -40°F to +200°F. See tubing pressure and temperature data for tubing limitations.

VIBRATION: Good resistance.

MATERIALS OF CONSTRUCTION: Brass body, spring brass locking teeth, oil resistant Buna N O-ring, tough Delrin® release collar.

USE WITH: Polyethylene, nylon and polyurethane tubing.

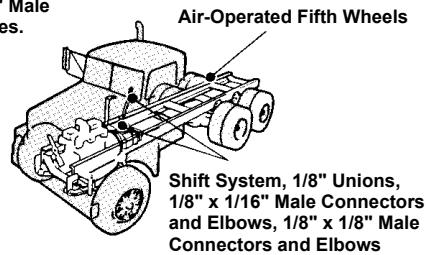
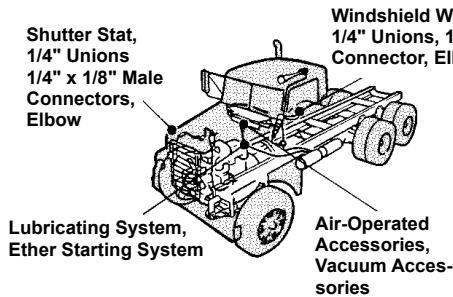
ASSEMBLY INSTRUCTIONS:

Simply push the tubing into the fitting until it bottoms.

DISASSEMBLY INSTRUCTIONS:

Push in release collar. While pressing on collar, pull out tubing.



APPLICATIONS IN SECONDARY AIR SYSTEMS







ADDITIONAL VEHICULAR APPLICATIONS



- Truck transmission splitter lines
- Tag axles
- Air suspension seats
- Air horns
- Air-operated power windows
- Boost pressure gauges
- Vacuum advance systems
- Pneumatic and vacuum controls
- Headlight washers
- Air tank pressure gauges
- Instruments and gauges
- Differential locks
- Oil pressure gauges
- Fuel lines
- Fuel return and crossovers



INSTANT FITTINGS – BRASS (Cont'd.)


MALE CONNECTOR		
		
TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	E 55303
1/8	1/16	E 55300
1/8	1/8	E 55301
1/8	1/4	E 55302
5/32	10-32 UNF	E 55304
5/32	1/8	E 44335
5/32	1/4	E 44336
1/4	10-32 UNF	E 55314
1/4	1/8	E 44300
1/4	1/4	E 44302
1/4	3/8	E 44304
3/16	1/8	B 44600
3/16	1/4	B 44601
5/16	1/8	E 55340
5/16	1/4	E 55341
5/16	3/8	B 44602
3/8	1/8	E 44305
3/8	1/4	E 44306
3/8	3/8	E 44308
3/8	1/2	E 44310
1/2	3/8	E 44312
1/2	1/4	E 44311
1/2	1/2	E 44314



FEMALE CONNECTOR		
		
TUBE SIZE	NPT PIPE THREAD	PART
1/8	1/8	E 55335
1/8	1/4	B 44691
5/32	1/8	B 44692
5/32	1/4	B 44693
3/16	1/8	B 44694
3/16	1/4	A 44695
1/4	1/8	E 44360
1/4	1/4	E 44362
5/16	1/8	A 55336
5/16	1/4	A 55337
3/8	1/8	B 44696
3/8	1/4	B 44364
3/8	3/8	B 44366
1/2	3/8	B 44697
1/2	1/2	B 44698



MALE ELBOW		
		
TUBE SIZE	PIPE THREAD	PART
1/8	1/8	E 55306
5/32	1/4	E 44331
5/16	1/8	E 55308



360° SWIVEL ELBOW		
		
TUBE SIZE	PIPE THREAD	PART
1/8	1/8	E 55310
5/32	1/8	B 44323
5/16	1/8	A 55311
5/16	1/4	E 55313
3/8	3/8	B 44328



UNION		
		
TUBE SIZE	PIPE THREAD	PART
1/8	-	E 55325
5/16	-	E 55327

BULK HEAD		
		
TUBE SIZE		PART
1/8		A 55312

UNION ELBOWS		
		
TUBE SIZE	PIPE THREAD	PART
5/16	-	A 55329
3/8	-	E 44442

UNION TEE		
		
TUBE SIZE	PIPE THREAD	PART
1/8	-	E 55330

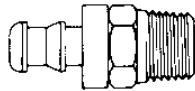
MALE SWIVEL RUN TEE		
		
TUBE SIZE	PIPE THREAD	PART
1/8	1/8	E 55315

MALE SWIVEL BRANCH TEE		
		
TUBE SIZE	PIPE THREAD	PART
1/8	1/8	E 55320

"PUSH-ON" FITTINGS FOR SOFT TUBING - BRASS

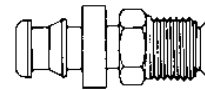
REUSABLE "PUSH-ON" FITTINGS FOR LOW PRESSURE APPLICATIONS

MALE PIPE



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART	
1/4	1/8	10004-102	O	54555
1/4	1/4	10004-104	O	54556
3/8	1/8	10006-102	L	54557
3/8	1/4	10006-104	I	54558
3/8	3/8	10006-106	L	54559

INVERTED MALE SWIVEL



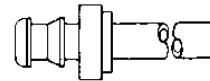
HOSE ID	TUBE SIZE	THREAD	INDUSTRY TYPE	PART	
1/4	3/16	3/8-24	10004-B03	L	54600
1/4	1/4	7/16-24	10004-B04	L	54601
1/4	5/16	1/2-20	10004-B05	I	54602
3/8	5/16	1/2-20	10006-B05	E	54604
3/8	3/8	5/8-18	10006-B06	I	54603

SAE RIGID MALE



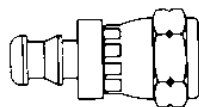
		THREAD	PART	
1/4	1/4	7/16-20	10004-304	L 54565
1/4	5/16	1/2-20	10004-305	L 54567
3/8	3/8	5/8-18	10006-306	I 54568

RIGID TUBE



HOSE ID	TUBE SIZE	THREAD	INDUSTRY TYPE	PART	
1/4	3/16	-	10004-X03	L	54610
1/4	1/4	-	10004-X04	L	54611
1/4	5/16	-	10004-X05	L	54612
3/8	3/8	-	10006-X06	L	54613

SAE SWIVEL



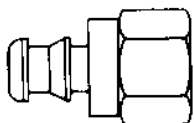
HOSE ID	TUBE SIZE	THREAD	INDUSTRY TYPE	PART	
1/4	1/4	7/16-20	10004-404	L	54573
1/4	5/16	1/2-20	10004-405	L	54574
3/8	5/16	1/2-20	10006-405	E	54576
3/8	3/8	5/8-18	10006-406	I	54575

HOSE SPLICER



HOSE ID	PIPE THREAD	INDUSTRY TYPE	PART	
1/4	-	10004B-Y04	I	54582
5/16	-	10005B-Y05	I	54581
3/8	-	10006B-Y06	I	54583
1/2	-	10008B-Y08	E	54584

RIGID INVERTED FEMALE



HOSE ID	TUBE	THREAD	INDUSTRY TYPE	PART	
1/4	3/16	3/8-24	10004-A03	L	54589
1/4	1/4	7/16-24	10004-A04	L	54590
1/4	5/16	1/2-20	10004-A05	L	54591
3/8	3/8	5/8-18	10006-A06	E	54593
3/8	5/16	1/2-20	10006-A05	L	54592

POLY-TITE® BRASS FITTINGS

FOR INSTRUMENT, PNEUMATIC, LUBRICANT, FUEL AND COOLANT LINES



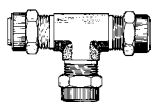
- A PREASSEMBLED, COMPACT BRASS COMPRESSION FITTING DESIGNED FOR SPEED AND EASE OF USE.
- USE WITH POLYETHYLENE, POLYPROPYLENE, VINYL, NYLON, COPPER AND ALUMINUM TUBING.

MOLDED ACETAL RESIN SLEEVE



TUBE SIZE	INDUSTRY TYPE	PART
1/4	60P-4	T 55648
5/16	60P-5	T 55649
3/8	60P-6	T 55650
1/2	60P-8	T 55651

UNION TEES



TUBE SIZE	INDUSTRY TYPE	PART
1/4	164P-4	D 55607
5/16	164P-5	D 55608
3/8	164P-6	D 55609
1/2	164P-8	B 55610

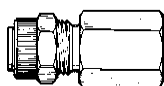
NUTS



FOR USE WITH POLYETHYLENE, POLYPROPYLENE AND VINYL TUBING

TUBE SIZE	INDUSTRY TYPE	PART
1/4	61PN-4	O 55654
5/16	61PN-5	O 55655
3/8	61PN-6	O 55656
1/2	61PN-8	L 55657

FEMALE CONNECTORS



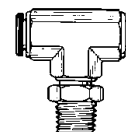
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	66P-4-2	I 55613
1/4	1/4	66P-4-4	I 55614
5/16	1/8	66P-5-2	I 55615
3/8	1/4	66P-6-4	I 55616
1/2	3/8	66P-8-6	D 55617

UNIONS



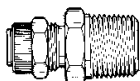
TUBE SIZE	INDUSTRY TYPE	PART
1/4	62P-4	I 55601
5/16	62P-5	I 55602
3/8	62P-6	I 55603
1/2	62P-8	F 55604

MALE BRANCH TEES



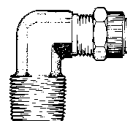
TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/4	1/8	172P-4-2	F 55642
1/4	1/4	172P-4-4	F 55643
5/16	1/8	172P-5-2	F 55644
3/8	1/4	172P-6-4	F 55645
1/2	3/8	172P-8-6	D 55646

MALE CONNECTORS



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	68P-2-2	I 55619
1/4	1/8	68P-4-2	I 55620
1/4	1/4	68P-4-4	I 55621
1/4	3/8	68P-4-6	I 55622
5/16	1/8	68P-5-2	I 55623
5/16	1/4	68P-5-4	I 55624
3/8	1/8	68P-6-2	I 55625
3/8	1/4	68P-6-4	I 55626
3/8	3/8	68P-6-6	I 55627
1/2	3/8	68P-8-6	I 55628

MALE ELBOWS



TUBE SIZE	PIPE THREAD	INDUSTRY TYPE	PART
1/8	1/8	269P-2-2	E 55629
3/16	1/8	169P-3-2	E 55640
1/4	1/8	169P-4-2	I 55632
1/4	1/4	169P-4-4	I 55633
1/4	3/8	169P-4-6	F 55634
5/16	1/8	169P-5-2	I 55635
3/8	1/8	169P-6-2	I 55636
3/8	1/4	169P-6-4	I 55637
3/8	3/8	169P-6-6	F 55638
1/2	3/8	169P-8-6	F 55639

BRASS SLEEVE ASSEMBLY



FOR USE WITH NYLON, ALUMINUM AND COPPER TUBING (WITH NUT)

TUBE SIZE	INDUSTRY TYPE	PART
1/4	61PB-4	O 55668
5/16	61PB-5	O 55669
3/8	61PB-6	L 55670
1/2	61PB-8	L 55671

SAE 37° (JIC) FLARE FITTINGS — STEEL

HYDRAULIC, INSTRUMENTATION AND CHEMICAL PROCESSING APPLICATIONS

SPECIFICATIONS:

PRESSURE: Up to 10,000 PSI depending on tube size.
VIBRATION: Good resistance.
MATERIAL: Carbon steel (AISI/SAE 12L14) Zinc, dichromate plating.
USE WITH: Copper, brass, steel, aluminum and other tubing that can flared.
CONFORMANCE: Meets ASA, ASME, SAE and MS specifications and standards.

ASSEMBLY INSTRUCTIONS:

1. Slide nut on tube (threaded end of nut must face out).
2. Slide sleeve on tube (3 piece assembly only).
3. Flare end of tube. Check for proper diameter and excessive thin-out. On thin wall, welded or brazed tubing, use double flare to prevent pinch-off and cracked flares. Lubricate thread.
4. Assemble to fitting body (turning nut hand tight).
5. Tighten assembly with wrench until sold feeling is encountered. From that point, apply one-sixth turn.

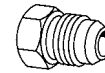
TUBE SIZE	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	2
THREAD SIZE	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-3/16-12	1-5/16-12	1-5/8-12	1-7/8-12	2-1/2-12

STEEL FLARE CAP



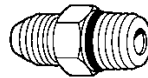
TUBE OD	INDUSTRY TYPE	PART	TUBE OD	INDUSTRY TYPE	PART
1/8	C5129 x 2	E 53871	5/8	C5129 x 10	E 53877
3/16	C5129 x 3	E 53872	3/4	C5129 x 12	E 53878
1/4	C5129 x 4	I 53873	7/8	C5129 x 14	B 53879
5/16	C5129 x 5	I 53874	1	C5129 x 16	B 53880
3/8	C5129 x 6	I 53875	1-1/4	C5129 x 20	A 53881
1/2	C5129 x 8	I 53876	1-1/2	C5129 x 24	A 53882

STEEL FLARE PLUG



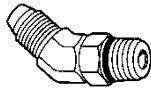
TUBE OD	INDUSTRY TYPE	PART	TUBE OD	INDUSTRY TYPE	PART
1/4	C5229 x 4	I 53883	3/4	C5229 x 12	E 53895
5/16	C5229 x 5	I 53884	7/8	C5229 x 14	B 53896
3/8	C5229 x 6	I 53889	1	C5229 x 16	B 53897
1/2	C5229 x 8	I 53891	1-1/4	C5229 x 20	B 53898
5/8	C5229 x 10	E 53892	1-1/2	C5229 x 24	A 53903

CONNECTOR — STRAIGHT THREAD O-RING



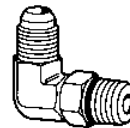
TUBE OD	PORT THREAD	INDUSTRY TYPE	PART	TUBE OD	PORT THREAD	INDUSTRY TYPE	PART	TUBE OD	PORT THREAD	INDUSTRY TYPE	PART
1/8	1/8	C5315 x 2	B 55850	1/2	3/8	C5315 x 8 x 6	D 55859	3/4	5/8	C5315 x 12 x 10	B 55867
3/16	3/16	C5315 x 3	B 55851	1/2	5/8	C5315 x 8 x 10	D 55860	3/4	1	C5315 x 12 x 16	B 55868
1/4	1/4	C5315 x 4	F 55852	1/2	3/4	C5315 x 8 x 12	D 55861	7/8	7/8	C5315 x 14	B 55869
1/4	5/16	C5315 x 4 x 5	F 55853	5/8	5/8	C5315 x 10	D 55862	1	1	C5315 x 16	B 55870
1/4	3/8	C5315 x 4 x 6	F 55854	5/8	1/2	C5315 x 10 x 8	D 55863	1	3/4	C5315 x 16 x 12	B 55871
5/16	5/16	C5315 x 5	F 55855	5/8	3/4	C5315 x 10 x 12	B 55864	1	1-1/4	C5315 x 16 x 20	A 55872
3/8	3/8	C5315 x 6	F 55856	3/4	3/4	C5315 x 12	B 55865	1-1/4	1-1/4	C5315 x 20	A 55873
3/8	1/2	C5315 x 6 x 8	F 55857	3/4	1/2	C5315 x 12 x 8	B 55866	1-1/4	1	C5315 x 20 x 16	A 55874
1/2	1/2	C5315 x 8	D 55858	-	-	-	-	-	-	-	-

45° ELBOW - STRT. THRD. O-RING



TUBE OD	PORT SIZE	INDUSTRY TYPE	PART
1/4	1/4	C5365 x 4	B 55884
5/16	5/16	C5365 x 5	B 55885
3/8	3/8	C5365 x 6	B 55886
1/2	1/2	C5365 x 8	B 55887
1/2	5/8	C5365 x 8 x 10	A 55888
5/8	5/8	C5365 x 10	A 55889
3/4	3/4	C5365 x 12	A 55890
3/4	5/8	C5365 x 12 x 10	A 55891
1	1	C5365 x 16	A 55892
1-1/4	1-1/4	C5365 x 20	A 55893

90° ELBOW — STRAIGHT THREAD O-RING

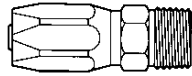


TUBE OD	PORT SIZE	INDUSTRY TYPE	PART	TUBE OD	PORT SIZE	INDUSTRY TYPE	PART
3/16	3/16	C5515 x 3	A 55901	1/2	5/8	C5515 x 8 x 10	B 55909
1/4	1/4	C5515 x 4	D 55902	5/8	5/8	C5515 x 10	B 55910
5/16	5/16	C5515 x 5	B 55903	3/4	3/4	C5515 x 12	A 55911
3/8	3/8	C5515 x 6	B 55904	3/4	5/8	C5515 x 12 x 10	A 55912
3/8	1/2	C5515 x 6 x 8	B 55905	7/8	7/8	C5515 x 14	A 55913
1/2	1/2	C5515 x 8	B 55906	1	1	C5515 x 16	A 55914
1/2 long	1/2	C5515 x 8L	A 55907	1	3/4	C5515 x 16 x 12	A 55915
1/2	3/8	C5515 x 8 x 6	B 55908	1-1/4	1-1/4	C5515 x 20	A 55916

REUSABLE 247 "N" SERIES HOSE ENDS — STEEL

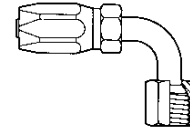
MEDIUM PRESSURE AND HIGH TEMPERATURE APPLICATIONS

MALE PIPE RIGID



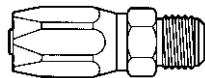
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
3/16	1/8	1/8-27	1	24704N-102	F 55770
3/16	1/4	1/4-18	1-3/16	24704N-104	F 55771
1/4	1/4	1/4-18	1-1/4	24705N-104	F 55772
5/16	1/4	1/4-18	1-1/4	24706N-104	F 55773
5/16	3/8	3/8-18	1-1/4	24706N-106	B 55774
13/32	3/8	3/8-18	1-3/8	24708N-106	B 55775
13/32	1/2	1/2-14	1-5/8	24708N-108	B 55776
1/2	1/2	1/2-14	1-5/8	24710N-108	B 55777
1/2	3/4	3/4-14	1-11/16	24710N-112	B 55778
5/8	3/4	3/4-14	1-3/4	24712N-112	B 55779

SAE 37° (JIC) FEMALE SWIVEL 90° TUBE ELBOW (Exceptions Noted)



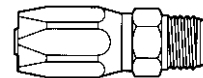
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
3/16	1/4	7/16-20	1-1/2	24704N-664	B 55827 ^C
1/4	5/16	1/2-20	1-7/8	24705N-665	B 55828 ^C
5/16	3/8	5/8-18	1-13/16	24706N-446	B 55829 ^B
5/16	3/8	9/16-18	1-13/16	24706N-666	B 55830 ^A
13/32	1/2	3/4-16	2-1/16	24708N-668	A 55831 ^C
1/2	5/8	7/8-14	2-1/4	24710N-670	A 55832 ^C
5/8	3/4	1-1/16-14	2-3/4	24712N-472	A 55833 ^B
5/8	3/4	1-1/16-12	2-13/16	24712N-672	A 55834 ^A
7/8	1	1-5/16-12	2-7/8	24716N-676	A 55835 ^A

SAE 45° FLARE MALE RIGID



HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
3/16	1/4	7/16-20	1-1/16	24704N-304	F 55784
1/4	5/16	1/2-20	1-3/16	24705N-305	F 55785
5/16	3/8	5/8-18	1-1/4	24706N-306	F 55786
13/32	1/2	3/4-16	1-1/2	24708N-308	D 55787
1/2	5/8	7/8-14	1-11/16	24710N-310	B 55788
5/8	3/4	1-1/16-14	1-7/8	24712N-312	A 55789

SAE 37° (JIC) MALE RIGID



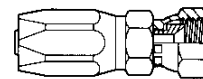
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
3/16	1/4	7/16-20	1-3/16	24704N-504	F 55794
1/4	5/16	1/2-20	1-1/4	24705N-505	D 55795
5/16	3/8	9/16-18	1-1/4	24706N-506	D 55796
13/32	1/2	3/4-16	1-9/16	24708N-508	D 55797
1/2	5/8	7/8-14	1-11/16	24710N-510	A 55798
5/8	3/4	1-1/16-12	1-13/16	24712N-512	A 55799
7/8	1	1-5/16-12	1-3/4	24716N-516	A 55800

SAE 45° FLARE FEMALE SWIVEL



HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
5/16	3/8	5/8-18	1-7/16	24706N-406	F 55806
13/32	3/8	5/8-18	1-9/16	24708N-406	D 55808
1/2	1/2	3/4-16	1-11/16	24710N-608	A 55810
5/8	3/4	1-1/16-14	2	24712N-612	A 55812

SAE 37° (JIC) FEMALE SWIVEL (Exceptions Noted)



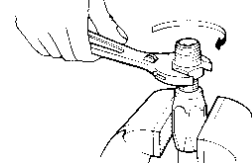
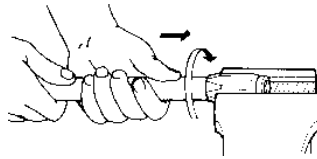
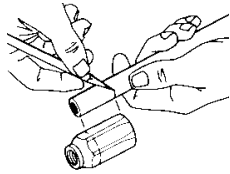
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
3/16	1/4	7/16-20	1-5/16	24704N-604	F 55817
1/4	5/16	1/2-20	1-1/2	24705N-605	F 55818
5/16	1/4	7/16-20	1-5/16	24706N-604	F 55823
5/16	3/8	9/16-18	1-1/2	24706N-606	F 55819
13/32	1/2	3/4-16	1-3/4	24708N-608	D 55820
1/2	5/8	7/8-14	1-13/16	24710N-610	B 55821
5/8	3/4	1-1/16-12	1-15/16	24712N-612	B 55822

A — JIC 37° Flare Connection Only B — SAE 45° Flare Connection Only C — Both SAE 45° and JIC 37° Flare

REUSABLE 425 "N" SERIES HOSE ENDS — STEEL

HIGH PRESSURE APPLICATIONS IN CONSTRUCTION, FARM AND INDUSTRIAL EQUIPMENT

Good selection of hose ends. Non-mandrel assembly. Wide variety of applications because of its use with SAE 100R2 Type AT hose.



SPECIFICATIONS

PRESSURE: Determined by maximum working pressure for hose size.

MATERIAL: Carbon steel (AISI/SAE 12L14), zinc, dichromate plating.

ASSEMBLY INSTRUCTIONS: On larger sizes assemble with the T-300 assembly machine.

1. Lubricate insert threads and I.D. of hose.
2. Measure from end of hose and mark the socket depth. Use notch on socket or see insertion depth chart below.
3. Screw hose into socket (left hand thread) to the depth marked on hose.
4. Screw insert into socket until insert touches socket.

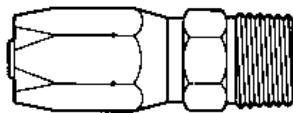
INSERTION DEPTH

HOSE I.D.	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
SCREW HOSE INTO SOCKET	1"	1-5/32"	1-3/16"	1-5/16"	1-9/16"	1-7/8"	2"	1-15/16"

INDUSTRY NUMBERS FOR HOSE

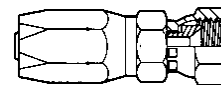
ACTUAL I.D.	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	2
STD. IND. #	-3	-4	-5	-6	-8	-10	-12	-	-16	-	20	-32

MALE PIPE RIGID



HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/8	1/8-27	1-3/16	42504N-102	B 55920
1/4	1/4	1/4-18	1-3/8	42504N-104	B 55921
3/8	1/4	1/4-18	1-5/16	42506N-104	B 55922
3/8	3/8	3/8-18	1-3/8	42506N-106	B 55923
1/2	3/8	3/8-18	1-3/8	42508N-106	B 55924
1/2	1/2	1/2-14	1-5/8	42508N-108	B 55925
1/2	3/4	3/4-14	1-11/16	42508N-112	A 55926
3/4	3/4	3/4-14	1-11/16	42512N-112	B 55927
1	1	1-11/12	2	42516N-116	A 55929
1-1/4	1-1/4	1-1/4-11.5	2-7/16	42520N-120	A 55930

SAE 37° (JIC) FEMALE SWIVEL (Exceptions Noted)



HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-1/2	42504N-604	B 55950
1/4	5/16	-	1-9/16	42504N-605	B 55951
1/4	3/8	-	1-5/8	42504N-606	B 55952
3/8	3/8	3/8-18	1-1/2	42506N-406	B 55953 ^B
3/8	3/8	3/8-18	1-5/8	42506N-606	B 55954
3/8	1/2	-	1-13/16	42506N-608	B 55955
1/2	1/2	1/2-14	1-13/16	42508N-608	A 55956
1/2	5/8	-	1-7/8	42508N-610	A 55957
3/4	5/8	-	1-7/8	42512N-610	A 55958
3/4	3/4	3/4-14	2	42512N-412	A 55959 ^B
3/4	3/4	3/4-14	2	42512N-612	A 55960
3/4	7/8	-	2-1/16	42512N-614	A 55961
1	1	1-11/12	2-5/16	42516N-616	A 55962
1-1/4	1-1/4	1-1/4-11.5	2-3/4	42520N-620	A 55963

A — JIC 37° Flare Connection Only B — SAE 45° Flare Connection Only C — Both SAE 45° and JIC 37° Flare

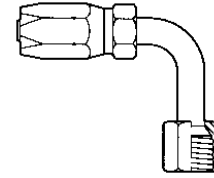
REUSABLE 425 "N" SERIES HOSE ENDS — STEEL (Cont'd.)

SAE 37° (JIC) MALE RIGID



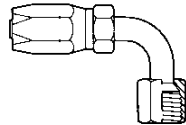
HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-3/8	42504N-504	B 55935
1/4	5/16	-	1-3/8	42504N-505	B 55936
1/4	3/8	-	1-3/8	42504N-506	A 55937
3/8	3/8	3/8-18	1-3/8	42508N-506	A 55938
3/8	1/2	-	1-1/2	42508N-508	A 55939
1/2	1/2	1/2-14	1-9/16	42508N-508	A 55940
1/2	5/8	-	1-11/16	42508N-510	A 55945
3/4	3/4	3/4-14	1-3/4	42512N-512	A 55946
1	1	1-11/12	1-15/16	42516N-516	A 55948

SAE 37° (JIC) FEMALE SWIVEL 90° TUBE ELBOW — LONG (Exceptions Noted)



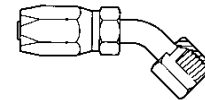
HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-3/4	42504N-644	A 55970
3/8	3/8	3/8-18	1-7/8	42506N-646	A 55971
1/2	1/2	1/2-14	2-3/16	42508N-648	A 55972
3/4	3/4	3/4-14	2-3/4	42512N-652	A 55974

SAE 37° (JIC) FEMALE SWIVEL 90° TUBE ELBOW



HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-11/16	42504N-664	A 55980
3/8	3/8	3/8-18	1-5/16	42506N-666	A 55981
1/2	1/2	1/2-14	2-1/16	42508N-668	A 55982
1/2	5/8	-	2-1/4	42508N-670	A 55983
3/4	3/4	3/4-14	2-3/4	42512N-672	A 55985
1	1	1-11/12	3-1/16	42516N-676	A 55986

SAE 37° (JIC) FEMALE SWIVEL 45° TUBE ELBOW

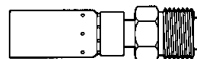


HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-7/8	42504N-684	A 55990
3/8	3/8	3/8-18	2	42506N-686	A 55991
1/2	1/2	1/2-14	2-1/4	42506N-688	A 55992
1/2	5/8	-	2-1/2	42508N-690	A 55993
3/4	3/4	3/4-14	2-13/16	42512N-692	A 55994
1	1	1-11/12	3-1/8	42516N-696	A 55995

COLL-O-CRIMP® "U" SERIES FITTINGS — STEEL

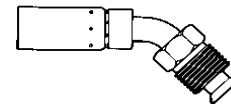
GENERAL PURPOSE LOW, MEDIUM AND HIGH PRESSURE APPLICATIONS

INVERTED MALE SWIVEL STRAIGHT



HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-24	1-11/16	04U-B04	D 54910
3/8	5/16	1/2-20	1-11/16	06U-B05	D 54911
3/8	3/8	5/8-18	1-15/16	06U-B06	D 54912
1/2	1/2	3/4-18	2-1/4	08U-B08	D 54913

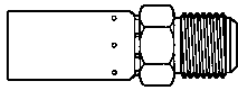
INVERTED MALE SWIVEL 45° TUBE ELBOW



HOSE ID	PIPE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-24	2-1/8	04U-B44	D 54918
3/8	5/16	1/2-20	2-1/2	06U-B45	D 54919
3/8	3/8	5/8-18	2-5/8	06U-B46	D 54920
1/2	1/2	3/4-18	3-1/8	08U-B48	D 54921

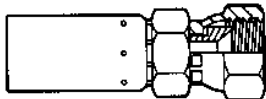
COLL-O-CRIMP® "U" SERIES FITTINGS — STEEL (Cont'd.)

SAE 37° (JIC) MALE RIGID



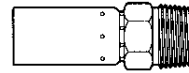
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	1	04U-504	F 54829
1/4	5/16	1/2-20	1	04U-505	F 54830
1/4	3/8	9/16-18	1	04U-506	F 54831
3/8	3/8	9/16-18	1	06U-506	F 54832
3/8	1/2	3/4-16	1-1/4	06U-508	F 54833
3/8	5/8	7/8-14	1-5/16	06U-510	D 54834
1/2	1/2	3/4-16	1-3/16	08U-508	D 54835
1/2	5/8	7/8-14	1-5/16	08U-510	D 54836
1/2	3/4	1-1/16-12	1-3/8	08U-512	D 54837
3/4	3/4	1-1/16-12	1-9/16	12U-512	D 54838
3/4	7/8	1-3/16-12	1-5/8	12U-514	B 54839
3/4	1	1-5/16-12	1-5/8	12U-516	B 54840
1	1	1-5/16-12	1-1/2	16U-516	B 54841

SAE 37° (JIC) FEMALE SWIVEL (Exceptions Noted)



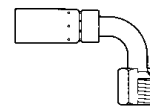
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	1-3/16	04U-604	F 54847 ^C
1/4	5/16	1/2-20	1-1/4	04U-605	F 54848 ^C
1/4	3/8	9/16-18	1-1/4	04U-606	F 54849 ^A
3/8	1/4	7/16-20	1-1/4	06U-604	F 54850 ^C
3/8	3/8	5/8-18	1-1/4	06U-406	F 54851 ^B
3/8	3/8	9/16-18	1-5/16	06U-606	F 54852 ^A
3/8	1/2	3/4-16	1-3/8	06U-608	F 54853 ^C
3/8	3/4	1-1/16-12	1-3/4	06U-612	B 54854 ^A
1/2	1/2	3/4-16	1-3/8	08U-608	D 54855 ^C
1/2	5/8	7/8-14	1-9/16	08U-610	D 54856 ^C
1/2	3/4	1-1/16-12	1-3/4	08U-612	B 54857 ^A
1/2	1	1-5/16-12	1-13/16	08U-616	B 54858 ^A
3/4	5/8	7/8-14	1-9/16	12U-610	B 54859 ^C
3/4	3/4	1-1/16-14	1-11/16	12U-412	B 54860 ^B
3/4	3/4	1-1/16-12	1-11/16	12U-612	B 54861 ^A
3/4	7/8	1-3/16-12	1-11/16	12U-614	B 54862 ^A
3/4	1	1-5/16-12	1-7/8	12U-616	B 54863 ^A
1	1	1-5/16-12	1-13/16	16U-616	B 54864 ^A

MALE PIPE RIGID



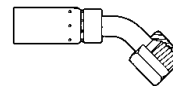
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/8	1/8-27	7/8	04U-102	F 54813
1/4	1/4	1/4-18	1-5/16	04U-104	F 54814
3/8	1/4	1/4-18	1-1/8	06U-104	F 54815
3/8	3/8	3/8-18	1-1/8	06U-106	F 54816
3/8	1/2	1/2-14	1-3/8	06U-108	F 54817
1/2	3/8	3/8-18	1-1/8	08U-106	F 54818
1/2	1/2	1/2-14	1-3/16	08U-108	F 54819
1/2	3/4	3/4-14	1-3/8	08U-112	D 54820
3/4	3/4	3/4-14	1-7/16	12U-112	D 54821
3/4	1	1-11-1/2	1-11/16	12U-116	B 54822
1	1	1-11-1/2	1-5/8	16U-116	B 54823

SAE 37° (JIC) FEMALE SWIVEL 90° TUBE ELBOW (Exceptions Noted)



HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	1-9/16	04U-664	B 54870 ^C
3/8	1/4	7/16-20	1-7/16	06U-664	B 54871 ^C
3/8	3/8	5/8-18	2-1/8	06U-446	B 54872 ^B
3/8	3/8	9/16-18	1-5/8	06U-666	B 54873 ^A
3/8	1/2	3/4-16	1-3/4	06U-668	B 54874 ^C
1/2	1/2	3/4-16	1-3/4	08U-668	B 54875 ^C
3/4	3/4	1-1/16-12	2-1/2	12U-672	A 54876 ^A
1	1	1-5/16-12	2-5/8	16U-676	A 54877 ^A

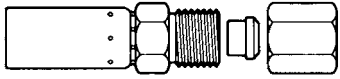
SAE 37° (JIC) FEMALE SWIVEL 45° TUBE ELBOW (Exceptions Noted)

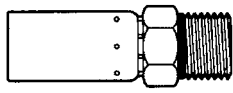


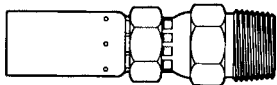
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	1-9/16	04U-684	B 54883 ^C
3/8	1/4	7/16-20	1-11/16	06U-684	B 54884 ^C
3/8	3/8	5/8-18	1-3/4	06U-486	B 54885 ^B
3/8	3/8	9/16-18	1-3/4	06U-686	B 54886 ^A
3/8	1/2	3/4-16	2	06U-688	B 54887 ^C
1/2	1/2	3/4-16	2	08U-688	B 54888 ^C
3/4	3/4	1-1/16-12	2-9/16	12U-692	A 54889 ^A
1	1	1-5/16-12	2-3/4	16U-696	A 54890 ^A

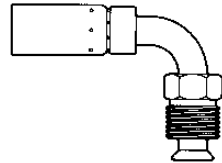
A — JIC 37° Flare Connection Only B — SAE 45° Flare Connection Only C — Both SAE 45° and JIC 37° Flare

COLL-O-CRIMP® "U" SERIES FITTINGS — STEEL (Cont'd.)

FLARELESS TUBE RIGID (with Nut and Sleeve)					
					
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	15/16	04U-754	D 54896
1/4	5/16	1/2-20	1	04U-755	B 54897
3/8	1/4	7/16-20	1	06U-754	D 54898
3/8	5/16	1/2-20	1	06U-755	D 54899
3/8	3/8	9/16-18	1	06U-756	D 54900
1/2	1/2	3/4-16	1-1/8	08U-758	B 54901
1/2	5/8	7/8-14	1-1/4	08U-760	B 54902
3/4	3/4	1-1/16-12	1-3/8	12U-762	B 54903
1	1	1-5/16-12	1-3/8	16U-766	B 54904

MALE STRAIGHT THREAD O-RING RIGID (Includes O-Ring)					
					
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-20	13/16	04U-P04	D 54945
1/4	5/16	1/2-20	7/8	04U-P05	D 54946
1/4	3/8	9/16-18	7/8	04U-P06	D 54947
3/8	3/8	9/16-18	15/16	06U-P06	D 54948
3/8	1/2	3/4-16	1-1/16	06U-P08	D 54949
1/2	1/2	3/4-16	1-1/16	08U-P08	D 54950
1/2	5/8	7/8-14	1-1/8	08U-P10	D 54951
3/4	3/4	1-1/16-12	1-5/16	12U-P12	B 54952
1	1	1-5/16-12	1-1/4	16U-P16	B 54953


MALE PIPE SWIVEL					
					
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	1/4-18	1-7/8	04U-J04	D 54935
3/8	3/8	3/8-18	1-15/16	06U-J06	D 54936
3/8	1/2	1/2-14	2-3/16	06U-J08	D 54937
1/2	1/2	1/2-14	2-1/4	08U-J08	D 54938
3/4	3/4	3/4-14	2-9/16	12U-J12	D 54939
1	1	1-11/12	2-7/8	16U-J16	D 54940

INVERTED MALE SWIVEL 90° TUBE ELBOW					
					
HOSE ID	TUBE SIZE	THREAD SIZE	HOSE CUT-OFF	INDUSTRY TYPE	PART
1/4	1/4	7/16-24	1-5/16	04U-B64	D 54926
3/8	1/4	7/16-24	1-5/16	06U-B64	D 54927
3/8	5/16	1/2-20	1-1/2	06U-B65	D 54928
3/8	3/8	5/8-18	1-7/8	06U-B66	D 54929
1/2	1/2	3/4-18	2-1/16	08U-B68	D 54930

COLL-O-CRIMP® EQUIPMENT AND ACCESSORIES

T-400 COLL-O-CRIMP SYSTEM		
COMPLETE SYSTEM INCLUDES:		
PART	MODEL	DESCRIPTION
54973	T-400-1	Coll-O-Crimp® Press
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54961	T-400-5	Collet: 3/4"
54962	T-400-6	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher
54981	T-400-16	36" Hose Assembly

- COLL-O-CRIMP PRESS WITH TOOLING FOR CRIMPING 1/4" I.D. THROUGH 1" I.D. RUBBER HOSE.
- ALL HOSE ASSEMBLIES AND FITTINGS NEEDED TO CONNECT PRESS TO POWER UNIT ARE INCLUDED.



P/N 54972

COLL-O-CRIMP® EQUIPMENT AND ACCESSORIES (Cont'd.)

T-401 COLL-O-CRIMP SYSTEM WITH T-401-1 ELECTRIC PUMP

COMPLETE SYSTEM INCLUDES:

PART	MODEL	DESCRIPTION
54973	T-400-1	Coll-O-Crimp Press
54976	T-401-1	Electric Pump
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54961	T-400-5	Collet: 3/4"
54962	T-400-6	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher

- COLL-O-CRIMP PRESS WITH T-401-1 ELECTRIC PUMP. COMPLETE WITH TOOLING FOR CRIMPING 1/4" I.D. THROUGH 1" I.D. RUBBER HOSE.
- ELECTRIC HIGH VOLUME PUMP FOR FAST CRIMPING SEQUENCE. MODERATE MOTOR SPEED PROVIDES QUIET OPERATION AND LONG SERVICE. INTERNAL RELIEF VALVE ELIMINATES NEED FOR PRESSURE GAUGE AND FULLY PROTECTS HYDRAULIC SYSTEM. MOTOR: 1 H.P., 3450 RPM, 115 VOLTS, 60 CYCLE, SINGLE PHASE.
- ALL HOSE ASSEMBLIES AND FITTINGS NEEDED TO CONNECT PRESS TO ELECTRIC PUMP ARE INCLUDED.



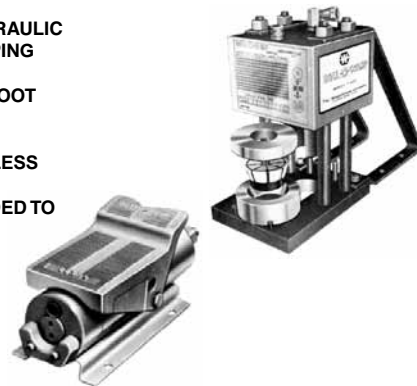
P/N 54988

T-402 COLL-O-CRIMP SYSTEM WITH T-402-1 AIR/HYDRAULIC PUMP

COMPLETE SYSTEM INCLUDES:

PART	MODEL	DESCRIPTION
54973	T-400-1	Coll-O-Crimp Press
54977	T-402-1	Air/Hydraulic Pump
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54961	T-400-5	Collet: 3/4"
54962	T-400-6	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher

- COLL-O-CRIMP PRESS WITH T-402-1 AIR/HYDRAULIC PUMP. COMPLETE WITH TOOLING FOR CRIMPING 1/4" I.D. THROUGH 1" I.D. RUBBER HOSE.
- AIR-DRIVEN HYDRAULIC PUMP WITH HAND/FOOT TREADLE ACTUATOR FOR FAST CONTROL. USE WITH ANY AIR SUPPLY OF 40 TO 120 PSI. RELIEF VALVE PROTECTS SYSTEM REGARDLESS OF AIR PRESSURE.
- ALL HOSE ASSEMBLIES AND FITTINGS NEEDED TO CONNECT PRESS TO AIR/HYDRAULIC PUMP ARE INCLUDED.



P/N 54989

T-403 COLL-O-CRIMP SYSTEM WITH T-403-1 HAND PUMP

COMPLETE SYSTEM INCLUDES:

PART	MODEL	DESCRIPTION
54973	T-400-1	Coll-O-Crimp Press
54978	T-403-1	Hand Pump
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54961	T-400-5	Collet: 3/4"
54962	T-400-6	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher

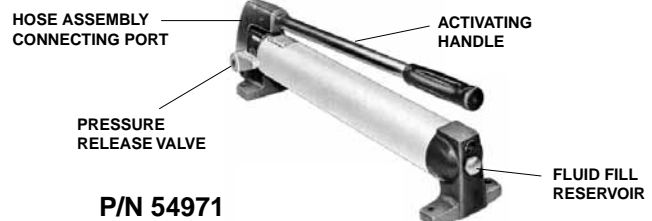
- COLL-O-CRIMP PRESS WITH T-403-1 HAND PUMP. COMPLETE WITH TOOLING FOR CRIMPING 1/4" I.D. THROUGH 1" I.D. RUBBER HOSE.
- HAND PUMP IS A LOW COST POWER SOURCE FOR THE COLL-O-CRIMP PRESS. FINGER TIP CONTROL VALVE PROVIDES INSTANT RELEASE. HAS BUILT-IN SAFETY OVERLOAD VALVE.
- ALL HOSE ASSEMBLIES AND FITTINGS NEEDED TO CONNECT PRESS HAND PUMP ARE INCLUDED.



P/N 54990

T-450-2 HAND PUMP

- DIMENSIONS: 6" WIDE, 20" LONG
- WEIGHT: 19 LBS.
- OPERATING PRESSURE: 0-10,000 PSI
- RELIEF VALVE SETTING: 10,000 PSI
- OIL VOLUME PER STROKE: 1595 CUBIC INCHES
- RESERVOIR CAPACITY: 43 CUBIC INCHES
- HYDRAULIC OIL: SAE GRADE 20 HYDRAULIC

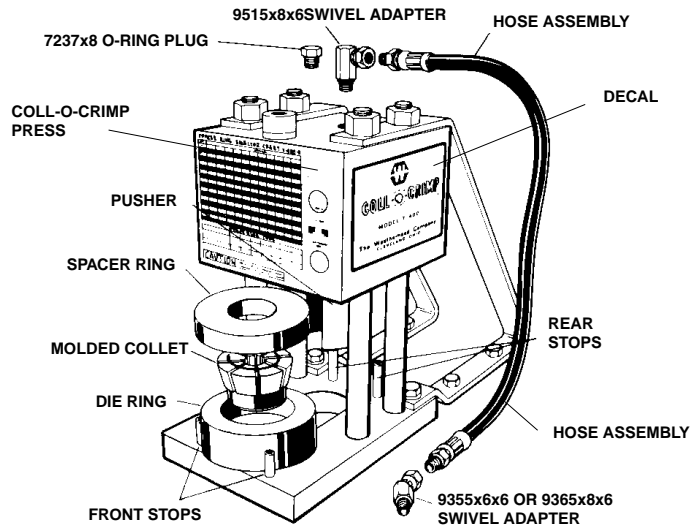


P/N 54971

COLL-O-CRIMP® EQUIPMENT AND ACCESSORIES (Cont'd.)

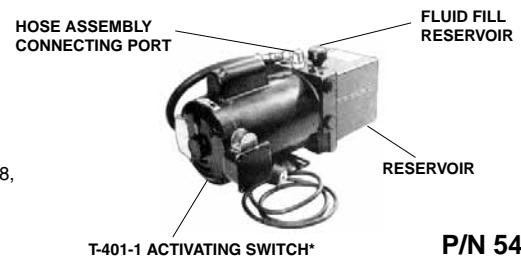
T-400-1 EQUIPMENT — INDIVIDUAL PARTS LIST

PART	MODEL	DESCRIPTION
54973	T-400-1	Coll-O-Crimp Press
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54961	T-400-5	Collet: 3/4"
54962	T-400-6	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher
54981	T-400-16	36" Hose Assembly and Fittings
54982	T-400-18	108" Hose Assembly and Fittings
54983	T-400-19	60" Hose Assembly and Fittings



T-401-1 ELECTRIC PUMP

- **DIMENSIONS:** 7-1/2" HIGH, 10" WIDE, 22" LONG
- **WEIGHT:** 66 LBS.
- **RESERVOIR SIZE:** 145 CUBIC INCHES
- **OUTLET PORT SIZE:** 3/8" NPT OR 3/4-16 STRAIGHT THREAD
- **MOTOR:** 1 H.P., 3450 RPM, 115/230 VOLTS, 60 CYCLES, SINGLE PHASE
- **AMPS:** AT 115 VOLTS-14, AT 230 VOLTS-7
- **HYDRAULIC OIL:** GULF HARMONY 100 AW, GULF HARMONY 64 OR 68, SAE 10 GRADE**, SAE 20 GRADE, SUNVIS 931, MOBIL DTE 26, MOBIL DTE 24 (BELOW 30°F).
- **RESERVOIR CAPACITY:** 3 QUARTS
- **FLOW:** 0.5 GPM



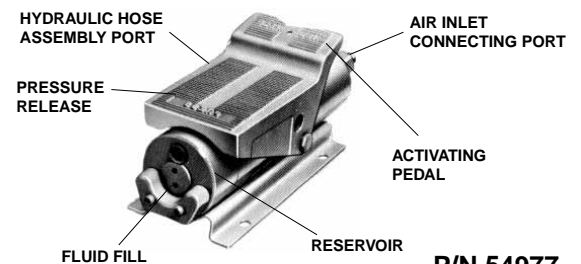
P/N 54976

*SOME MODELS HAVE PRESSURE RELEASE VALVE LOCATED WITHIN ACTIVATING SWITCH.

T-402-1 AIR/HYDRAULIC PUMP

- **DIMENSIONS:** 5-1/4" HIGH, 5" WIDE, 12-1/2" LONG
- **WEIGHT:** 18 LBS.
- **RESERVOIR SIZE:** 24 CUBIC INCHES
- **OUTLET PORT SIZE:** 3/8" NPT
- **INLET (AIR) PORT SIZE:** 1/4" NPT
- **AIR PRESSURE:** 30 TO 120 PSI
- **HYDRAULIC OIL:** GULF HARMONY 100 AW, GULF HARMONY 64 OR 68, SAE 10 GRADE**, SAE 20 GRADE, SUNVIS 931, MOBIL DTE 26, MOBIL DTE 24 (30°F BELOW).
- **RESERVOIR CAPACITY:** 1 PINT

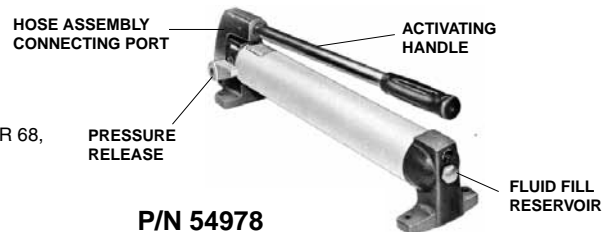
NOTE: It is recommended that a filter, regulator and lubricator (FRL) and air pressure gauge be installed in the air line, as close as possible to the pump, to insure proper operating performance.



P/N 54977

T-403-1 HAND PUMP

- **DIMENSIONS:** 6-1/4" HIGH, 4" WIDE, 21-3/4" DEEP
- **WEIGHT:** 19 LBS.
- **RESERVOIR SIZE:** 58 CUBIC INCHES
- **OUTLET PORT SIZE:** 3/8" NPT
- **HYDRAULIC PRESSURE:** 5,000 PSI MAXIMUM
- **HYDRAULIC OIL:** GULF HARMONY 100 AW, GULF HARMONY 64 OR 68, SAE 10 GRADE**, SAE 20 GRADE, SUNVIS 931, MOBIL DTE 26, MOBIL DTE 24 (30°F BELOW).
- **RESERVOIR CAPACITY:** 1 QUART



P/N 54978

**Use only if operating temperature is below 0°F or above 160°F.

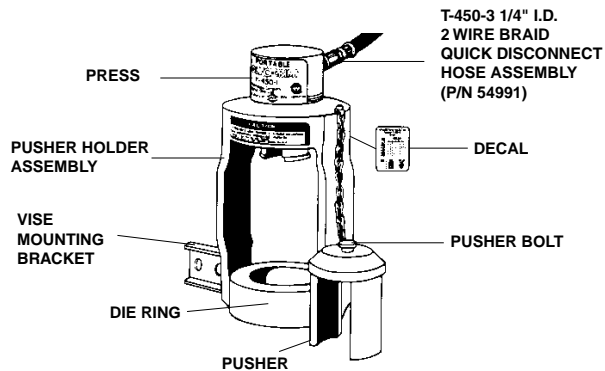
COLL-O-CRIMP® EQUIPMENT AND ACCESSORIES (Cont'd.)

T-450 STANDARD PORTABLE COLL-O-CRIMP SYSTEM

COMPLETE SYSTEM INCLUDES:

PART	MODEL	DESCRIPTION
54984	T-450-1	Portable Coll-O-Crimp Press (12-1/2" high)
54971	T-450-2	Hand Pump (10,000 psi)
54991	T-450-3	Quick Disconnect Hose Assembly

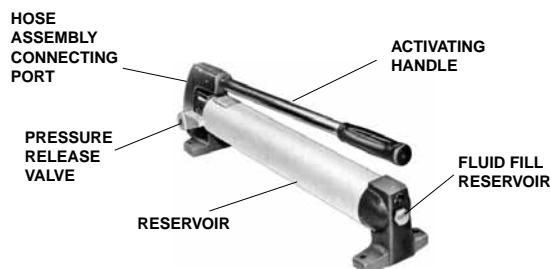
STANDARD PORTABLE COLL-O-CRIMP PRESS WITH T-450-2 HAND PUMP. COMPLETE WITH CRIMPING CAPACITY OF 1/4" I.D. THROUGH 1" I.D. WEIGHS ONLY 31 LBS.



T-450-1 PORTABLE COLL-O-CRIMP PRESS

P/N 54969

NOTE: Collets are not included.



T-450-2 HAND PUMP

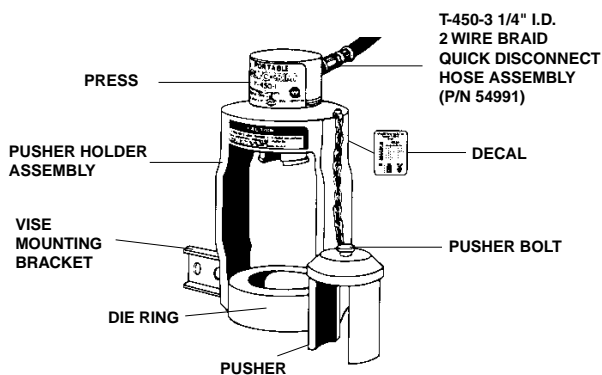
CAUTION: Use the T-450-2 10,000 psi Hand Pump ONLY.

T-454 STANDARD PORTABLE COLL-O-CRIMP SYSTEM STARTER PACKAGE

COMPLETE SYSTEM INCLUDES:

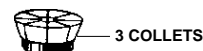
PART	MODEL	DESCRIPTION
54984	T-450-1	Portable Coll-O-Crimp Press (12-1/2" high)
54971	T-450-2	Hand Pump (10,000 psi)
54991	T-450-3	Quick Disconnect Hose Assembly
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54974	T-400-10	Spacer Ring (black)

T-454 STARTER PACKAGE IS THE T-450 STANDARD EQUIPMENT PACKAGE COMPLETE WITH TOOLING FOR CRIMPING 1/4" I.D. THROUGH 1/2" I.D. RUBBER HOSE.



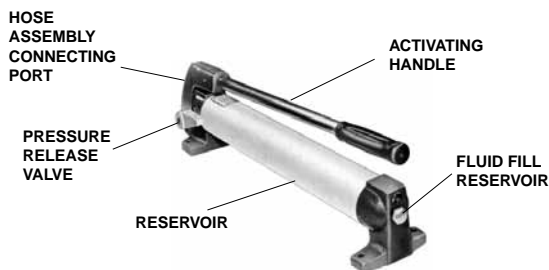
T-450-1 PORTABLE COLL-O-CRIMP PRESS

T-400-10 SPACER RING



3 COLLETS
T-400-2 — 1/4" COLLET
T-400-3 — 3/8" COLLET
T-400-4 — 1/2" COLLET

NOTE: Press (T-450-1) has crimping capacity to 1" I.D. hose with addition of larger collets.



T-450-2 HAND PUMP

P/N 54970

CAUTION: Use the T-450-2 10,000 psi Hand Pump ONLY.

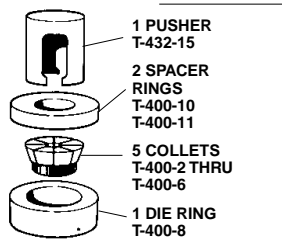
COLL-O-CRIMP® EQUIPMENT AND ACCESSORIES (Cont'd.)

T-400-17 COLL-O-CRIMP SHOP PRESS TOOLING KIT

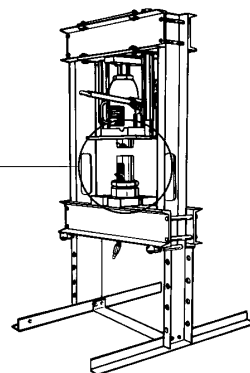
COMPLETE TOOLING KIT INCLUDES:

FITS MOST 25-TON SHOP PRESSES. WILL CRIMP 1 AND 2 WIRE BRAID HOSE, 1/4" THROUGH 1" I.D. IN ALL HOSE END STYLES.

PART	MODEL	DESCRIPTION
54958	T-400-2C	Collet: 1/4"
54959	T-400-3C	Collet: 3/8"
54960	T-400-4C	Collet: 1/2"
54961	T-400-5C	Collet: 3/4"
54962	T-400-6C	Collet: 1"
54963	T-400-8	Die Ring
54974	T-400-10	Spacer Ring (black)
54975	T-400-11	Spacer Ring (silver)
54980	T-432-15	Pusher



P/N 54979



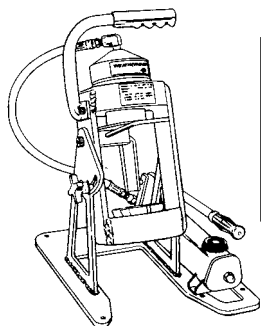
T-460 PORTABLE COLL-O-CRIMP SYSTEM

SYSTEM INCLUDES:

PART	MODEL	DESCRIPTION
54958	T-400-2	Collet: 1/4"
54959	T-400-3	Collet: 3/8"
54960	T-400-4	Collet: 1/2"
54974	T-400-10	Spacer Ring (black)

COMPLETELY PORTABLE HOSE ASSEMBLY SYSTEM. NO ELECTRICAL POWER SOURCE IS NEEDED. HAND PUMP POWERED AND LIGHT WEIGHT, THIS CRIMPER IS IDEAL FOR ALL YOUR PORTABLE CRIMPING NEEDS.

WEIGHT: 45 LBS.
 SIZE: 3-3/4" x 13"
 OPERATING PRESSURE: 0-10,000 PSI
 RELIEF VALVE SETTING: 10,000 PSI
 RESERVOIR CAPACITY: 20 CU. IN.
 OIL VOLUME PER STROKE055 CU. IN.
 HYDRAULIC OIL..... AUTOMATIC TRANSMISSION FLUID (ATF) OR EQUIVALENT



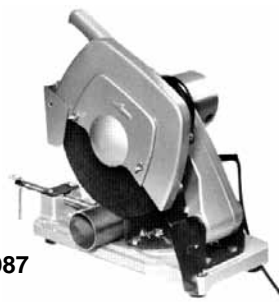
P/N 54985

T-60 PORTABLE CUTTER

AN EXCELLENT ALL-AROUND CUTTING MACHINE.

A PORTABLE POWER SAW THAT CAN CUT ALL HOSES, INCLUDING WIRE REINFORCED. INCLUDES THREE 14" DIAMETER ABRASIVE BLADES.

MOTOR: 3.5 H.P., 110/115 VOLTS. WEIGHT: 45 LBS.



P/N 54987

29

T-450-10 PORTABLE STORAGE/TOOL BOX SET

A SET OF 2 TOOL BOXES FOR CONVENIENT STORAGE AND MOBILITY OF THE PORTABLE COLL-O-CRIMP PRESS, PUMP AND TOOLING.

INCLUDES ONE EACH OF THE FOLLOWING:

- SMALL BOX — STORES THE T-450-1 PRESS AND SPACER RINGS. 15" x 9" x 8".
- LARGE BOX — STORES HAND PUMP WITH HOSE ASSEMBLY ATTACHED PLUS A SELECTION OF COLLETS. 25" x 10" x 8".



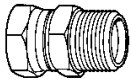
P/N 54992

SWIVEL ADAPTERS — STEEL

PRESSURE HYDRAULIC SYSTEM APPLICATIONS

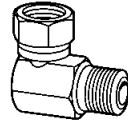
Up to 10,000 psi depending on size. Metal to metal sealing with 30° cone and NPSM thread. Carbon steel construction meets AISI/SAE 12L14. Zinc-plated, yellow dichromate finish.

FEMALE PIPE SWIVEL TO MALE PIPE STRAIGHT



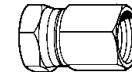
SWIVEL NUT	MALE PIPE THREAD	INDUSTRY TYPE	PART
1/8-27	1/8-27	9205x2x2	D 55700
1/4-18	1/4-18	9205x4x4	D 55701
3/8-18	3/8-18	9205x6x6	D 55702
3/8-18	1/2-14	9205x6x8	D 55703
1/2-14	3/8-18	9205x8x6	D 55704
1/2-14	1/2-14	9205x8x8	D 55705
1/2-14	3/4-14	9205x8x12	D 55706
3/4-14	3/4-14	9205x12x12	D 55707
1-11.5	1-11.5	9205x16x16	B 55708

FEMALE PIPE SWIVEL TO MALE PIPE 90° ELBOW



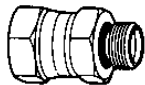
SWIVEL NUT	MALE PIPE THREAD	INDUSTRY TYPE	PART
1/8-27	1/8-27	9405x2x2	D 55714
1/4-18	1/4-18	9405x4x4	D 55715
3/8-18	3/8-18	9405x6x6	D 55716
1/2-14	3/8-18	9405x8x6	D 55717
1/2-14	1/2-14	9405x8x8	D 55718
1/2-14	3/4-14	9405x8x12	B 55719
3/4-14	3/4-14	9405x12x12	D 55720
1-11.5	1-11.5	9405x16x16	B 55721

FEMALE PIPE SWIVEL TO FEMALE PIPE STRAIGHT



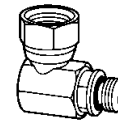
SWIVEL NUT	FEMALE PIPE THREAD	INDUSTRY TYPE	PART
1/8-27	1/8-27	9255x2x2	D 55726
1/4-18	1/4-18	9255x4x4	D 55727
3/8-18	3/8-18	9255x6x6	D 55728
1/2-14	1/2-14	9255x8x8	D 55729

MALE STRAIGHT THREAD TO FEMALE PIPE SWIVEL STRAIGHT



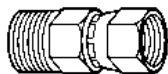
SWIVEL NUT	MALE STRAIGHT THREAD	INDUSTRY TYPE	PART
1/4-18	7/16-20	9315x4x4	D 55734
3/8-18	7/16-20	9315x4x6	D 55735
3/8-18	9/16-18	9315x6x6	D 55736
3/8-18	3/4-16	9315x8x6	D 55737
1/2-14	3/4-16	9315x8x8	D 55738

MALE STRAIGHT THREAD TO FEMALE PIPE SWIVEL 90° ELBOW



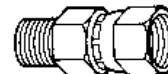
SWIVEL NUT	MALE STRAIGHT THREAD	INDUSTRY TYPE	PART
1/4-18	7/16-20	9515x4x4	D 55743
3/8-18	7/16-20	9515x4x6	D 55744
3/8-18	9/16-18	9515x6x6	D 55745
1/2-14	9/16-18	9515x6x8	B 55746
1/2-14	3/4-16	9515x8x8	B 55747

FEMALE 37° (JIC) SWIVEL TO MALE BRITISH STANDARD PIPE THREAD



TUBE O.D.	BSP TAPERED	INDUSTRY TYPE	PART
1/4	1/4	M9800x4x4	B 55752
3/8	1/4	M9800x6x4	B 55753
1/2	3/8	M9800x8x6	B 55754
1/2	1/2	M9800x8x8	B 55755
3/4	3/4	M9800x12x12	B 55756

FEMALE 37° (JIC) SWIVEL TO MALE METRIC THREADED PORT CONNECTIONS



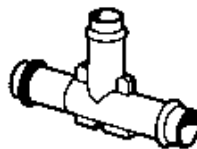

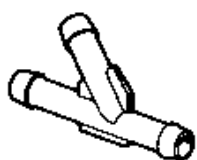



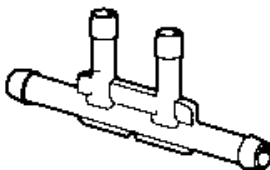

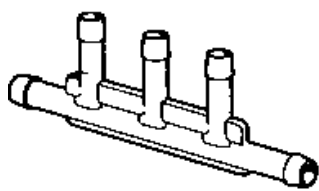

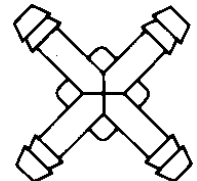

TUBE O.D.	METRIC PIPE THREAD	INDUSTRY TYPE	PART
1/4	M10x1.0	M9700x4x6	B 55761
5/16	M12x1.5	M9700x5x8	B 55762
3/8	M14x1.5	M9700x6x10	B 55763
1/2	M16x1.5	M9700x8x12	B 55764
3/4	M24x1.5	M9700x12x20	B 55765

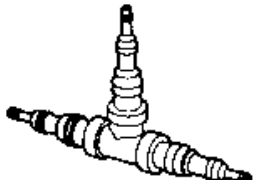

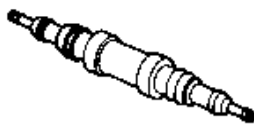



VACUUM AND LOW PRESSURE FITTINGS

CHEMICAL RESISTANT, HIGH IMPACT NYLON CONNECTORS

For all applications involving emission controls, shifting devices, windshield washers, etc. on trucks, cars, forklifts and equipment.

STRAIGHT CONNECTOR			"T" CONNECTOR			"Y" CONNECTOR		
 			 			 		
NIPPLE SIZE		PART	NIPPLE SIZE		PART	NIPPLE SIZE		PART
1/8	L	52502	1/8	L	52510	3/16	L	52520
3/16	L	52504	3/16	L	52512	1/4	L	52522
1/4	L	52506	1/4	L	52514	5/16	L	52524
5/16	L	52508	5/16	L	52516	-		-

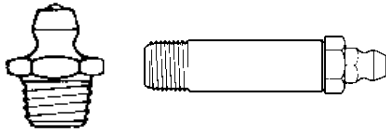
4-WAY "T" CONNECTOR			5-WAY "T" CONNECTOR			"X" CONNECTOR		
 			 			 		
NIPPLE SIZE		PART	NIPPLE SIZE		PART	NIPPLE SIZE		PART
3/16	L	52526	3/16	L	52528	3/16	L	52530

ABS UNIVERSAL "T" CONNEC.			ABS UNIVERSAL CONNECTOR			RUBBER VACUUM LINE CAP		
 			 			 		
HOSE I.D.		PART	HOSE I.D.		PART	NIPPLE SIZE		PART
5/32, 1/4, 3/8	L	52548	5/32, 1/4, 3/8	L	52550	3/16	L	52532
-		-	-		-	1/4	L	52534

GREASE FITTINGS AND ACCESSORIES

PRECISION MADE, CASE HARDENED AND CADMIUM PLATED

STRAIGHT



7750

THREAD	LENGTH	INDUSTRY TYPE	PART	
1/8 pipe	11/16	1610	R	54689
1/8 pipe	1-1/4	1607	L	54690
1/8 pipe	1-3/4	1669-B	I	54687
1/8 pipe	2-5/8	1684-B	E	54688
3/16 drive-in	37/64	1728	R	54717
1/4 drive-in	39/64	1743	R	54718
1/4 pipe	59/64	1627	O	54726
1/4-28 self-tap	17/32	3038	T	54709
1/4-28	17/32	1641	R	54701
1/4-28	45/64	1652	R	54702
1/4-28	15/16	1680	O	54703
1/4-28	1-1/16	1608	L	54704
5/16 drive-in	9/16	1608	R	54719
5/16-24	21/32	1711	R	54733
3/8-24	21/32	1710	R	54734

METRIC



17866

ANGLE	THREAD	LENGTH	INDUSTRY TYPE	PART	
Straight	6mm x 1.0	7/16	3641	R	54741
45°	6mm x 1.0	-	3637	O	54743
90°	6mm x 1.0	-	3638	O	54742
Straight	8mm x 1.0	5/8	3610	R	54744
45°	8mm x 1.0	-	3688	O	54746
90°	8mm x 1.0	-	3613	O	54745
Straight	10mm x 1.0	11/16	3710	N	54749
45°	10mm x 1.0	-	3737	N	54747
90°	10mm x 1.0	-	3738	N	54748

BUTTON HEAD GREASE FITTINGS

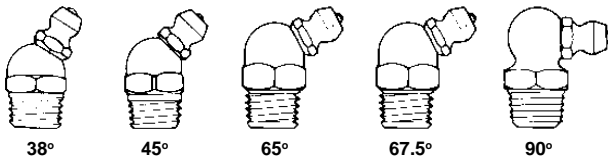
GREASE FITTING



BUTTON HEAD COUPLER

THREAD	LENGTH	INDUSTRY TYPE	PART	
1/8 pipe	3/4	1184	I	54696
1/4 pipe	53/64	1186	I	54697
3/8 pipe	61/64	1188	I	54698
1/2 pipe	1-1/16	1190	E	54699
7/16-27 Coupler	-	-	A	54700
1/8 NPT Coupler	-	-	B	54712

ANGLED



38°

45°

65°

67.5°

90°

ANGLE	THREAD	LENGTH	INDUSTRY TYPE	PART	
38°	1/8 pipe	1-1/16	1611	O	54691
45°	1/8 pipe	1	1688	O	54694
45°	1/4-28	7/8	1637	O	54706
45°	1/4-28	1	1636	O	54707
45°	1/4-28 self-tap	7/8	3045	R	54710
65°	3/16 drive-in	49/64	1646	L	54720
65°	1/4-28	25/32	3010-B1	I	54686
65°	1/8 pipe	27/32	1612	O	54692
67.5°	1/4 pipe	1-1/16	1629	L	54727
90°	1/8 pipe	13/16	1613	O	54693
90°	1/4-28	47/64	1911	O	54708
90°	1/4-28 self-tap	47/64	3248	R	54711

MISCELLANEOUS FITTINGS



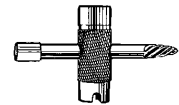
PLUG



CAP



COUPLER



WRENCH

DESCRIPTION	PART	
Plug – Industry Type 701	T	54705
Plastic Cap – Industry Type 206	T	54735
Midget Hydraulic Coupler	A	54634
1/8 Female Pipe – Wide Angle Seal		
Grease Fitting Wrench – 1/8 Male Pipe	A	54675
Grease Fitting Wrench – 1/4 Male Pipe	A	54676

GREASE FITTINGS AND ACCESSORIES (Cont'd.)

LUBRICATION ADAPTERS AND ACCESSORIES

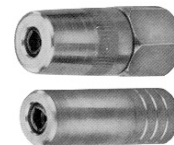
HYDRAULIC COUPLERS

Medium Duty

- 6000 PSI maximum operating pressure
- For use with all hydraulic type grease fittings
- Small outside diameter permits easy contact with recessed fittings
- Built in ball check prevents leaks and lubricant backup
- Inlet 1/8" NPT female

Heavy Duty

- 7500 PSI maximum operating pressure
- Same as medium duty except larger outside diameter



DESCRIPTION	PART	
Medium Duty Hydraulic Coupler	A	54662
Heavy Duty Hydraulic Coupler	A	54663

NEEDLE POINT ADAPTER



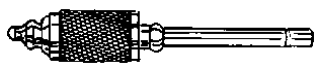
DESCRIPTION	PART
For lubricating universal joints and general greasing	A 54627

PLUG ADAPTER



DESCRIPTION	PART
For greasing front suspension and steering linkage	A 54621

UNIVERSAL JOINT ADAPTER



PUSH TYPE

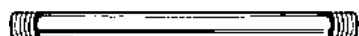
DESCRIPTION	PART
Same as 54660, but designed for recessed fittings.	A 54659

LONG REACH ADAPTER



DESCRIPTION	PART
15" Long	A 54682
21" Long	A 54683

SEAMLESS STEEL GREASE PIPE



DESCRIPTION	PART
6" Long	I 54668
12" Long	I 54670
1/8" male pipe thread both ends. Used on hand operated grease guns only.	

GREASE HOSE WHIPS



DESCRIPTION	PART
8" Long	A 54656
12" Long	A 54657
18" Long	A 54658
High pressure hoses for use with any type hand lever gun and coupler. Single wire braid reinforced, neoprene hose, 3/16 I.D., 1/8" male pipe thread on both ends.	

HYDRAULIC COUPLER SLEEVE



DESCRIPTION	PART
Connects grease accessories to grease gun. 1/8" female pipe thread. Sliding sleeve locks coupler in place.	A 54661

PIPE FITTINGS – MALLEABLE BLACK IRON

CLASS 150 FOR SCHEDULE 40 PIPE

Use with iron, steel, brass or bronze piping systems for air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd-jobs. 150 lb. rating. All fittings conform to ASME B 16.3.

90° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55101	1	E 55106
1/4	E 55102	1-1/4	A 55107
3/8	E 55103	1-1/2	A 55108
1/2	E 55104	2	A 55109
3/4	E 55105	–	–

45° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55110	1	E 55115
1/4	E 55111	1-1/4	A 55116
3/8	E 55112	1-1/2	A 55117
1/2	E 55113	2	A 57000
3/4	E 55114	–	–

90° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55118	1	B 55123
1/4	E 55119	1-1/4	A 55124
3/8	E 55120	1-1/2	A 55125
1/2	E 55121	2	A 57001
3/4	E 55122	–	–

45° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57008	1	B 57013
1/4	E 57009	1-1/4	A 57014
3/8	E 57010	1-1/2	A 57015
1/2	E 57011	2	A 57016
3/4	B 57012	–	–

TEE — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55126	1	B 55131
1/4	E 55127	1-1/4	A 55132
3/8	E 55128	1-1/2	A 55133
1/2	E 55129	2	A 55134
3/4	B 55130	–	–

STEEL MERCHANT COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55135	1	E 55140
1/4	E 55136	1-1/4	A 55141
3/8	E 55137	1-1/2	A 55142
1/2	E 55138	2	A 55143
3/4	E 55139	–	–

REDUCING COUPLING



PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	E 55144	3/4 x 1/2	E 55147	1-1/2 x 3/4	A 55152
3/8 x 1/8	E 57024	1 x 1/4	B 55149	1-1/2 x 1	A 55153
3/8 x 1/4	E 55145	1 x 3/8	E 57029	1-1/2 x 1-1/4	A 55159
1/2 x 1/8	E 57025	1 x 1/2	E 57030	2 x 1/2	A 55154
1/2 x 1/4	E 57026	1 x 3/4	B 55148	2 x 3/4	A 55155
1/2 x 3/8	E 55146	1-1/4 x 3/4	B 55150	2 x 1	A 55156
3/4 x 1/4	E 57027	1-1/4 x 1	A 55158	2 x 1-1/4	A 55157
3/4 x 3/8	E 57028	1-1/2 x 1/2	A 55151	2 x 1-1/2	A 57023

COUPLING





PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 57150	1	A 57155
1/4	B 57151	1-1/4	A 57156
3/8	B 57152	1-1/2	A 57157
1/2	B 57153	2	A 57158
3/4	B 57154	–	–



HEX BUSHING





PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	E 55170	3/4 x 1/8	E 57062	1 x 3/8	E 55182	1-1/4 x 3/4	E 55184	1-1/2 x 3/4	E 55187	2 x 1/2	B 57052
3/8 x 1/8	E 55172	3/4 x 1/4	E 55179	1 x 1/2	E 55181	1-1/4 x 1	E 55185	1-1/2 x 1	E 55188	2 x 3/4	B 57058
3/8 x 1/4	E 55171	3/4 x 3/8	E 55178	1 x 3/4	E 55180	1-1/4 x 3/8	A 57056	1-1/2 x 3/8	B 57054	2 x 1	B 57059
1/2 x 1/8	E 55176	3/4 x 1/2	E 55177	1-1/4 x 1/4	A 57053	1-1/2 x 1/4	B 57055	1-1/2 x 1-1/4	B 55189	2 x 1-1/4	B 57060
1/2 x 1/4	E 55175	1 x 1/8	E 57064	1-1/4 x 1/2	E 55183	1-1/2 x 1/2	E 55186	2 x 1/4	B 57057	2 x 1-1/2	B 57061
1/2 x 3/8	E 55173	1 x 1/4	E 57063								


SQUARE HEAD PLUG - CORED			
CORED SIZES: 3/4 AND 1" ONLY			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55190	1	E 55195
1/4	E 55191	1-1/4	B 57073
3/8	E 55192	1-1/2	B 57074
1/2	E 55193	2	B 57075
3/4	E 55194	-	-

GROUND JOINT UNION			
ASME B16.39			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 55202	1	B 55207
1/4	B 55203	1-1/4	A 55208
3/8	B 55204	1-1/2	A 55209
1/2	B 55205	2	A 55210
3/4	B 55206	-	-

SQUARE COUNTERSUNK PLUG			
 			
NOTE: 1/8 SIZE IS HEX			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57070	1/2	E 55215
1/4	E 57071	3/4	E 55216
3/8	E 57072	1	E 55217

CAP					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55160	1/2	E 55163	1-1/4	A 55166
1/4	E 55161	3/4	E 55164	1-1/2	A 55167
3/8	E 55162	1	E 55165	2	A 55168

CLOSE NIPPLE - WELDED STEEL					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55220	1/2	E 55223	1-1/4	A 55289
1/4	E 55221	3/4	E 55224	1-1/2	A 55298
3/8	E 55222	1	E 55225	2	A 57114

WELDED NIPPLE - WELDED STEEL								
								
PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART
1/8	1-1/2	E 55230	3/8	5-1/2	E 55277	1	5	E 55275
1/8	2	E 55231	3/8	6	E 55256	1	5-1/2	E 55288
1/8	2-1/2	E 55236	1/2	1-1/2	E 55257	1	6	E 55276
1/8	3	E 55232	1/2	2	E 55258	1-1/4	2	E 55290
1/8	3-1/2	E 55237	1/2	2-1/2	E 55278	1-1/4	2-1/2	E 55291
1/8	4	E 55233	1/2	3	E 55259	1-1/4	3	E 55292
1/8	4-1/2	E 55238	1/2	3-1/2	E 55279	1-1/4	3-1/2	E 55293
1/8	5	E 55234	1/2	4	E 55260	1-1/4	4	E 55294
1/8	5-1/2	E 55235	1/2	4-1/2	E 55280	1-1/4	4-1/2	E 57108
1/8	6	E 55240	1/2	5	E 55261	1-1/4	5	E 55295
1/4	1-1/2	E 55241	1/2	5-1/2	E 55262	1-1/4	5-1/2	E 55296
1/4	2	E 55242	1/2	6	E 55265	1-1/4	6	E 55297
1/4	2-1/2	E 55239	3/4	1-1/2	E 55266	1-1/2	2	E 55299
1/4	3	E 55243	3/4	2	E 55267	1-1/2	2-1/2	E 57100
1/4	3-1/2	E 55247	3/4	2-1/2	E 55281	1-1/2	3	E 57101
1/4	4	E 55244	3/4	3	E 55268	1-1/2	3-1/2	E 57102
1/4	4-1/2	E 55248	3/4	3-1/2	E 55282	1-1/2	4	E 57103
1/4	5	E 55245	3/4	4	E 55269	1-1/2	4-1/2	E 57104
1/4	5-1/2	E 55249	3/4	4-1/2	E 55283	1-1/2	5	B 57105
1/4	6	E 55246	3/4	5	E 55270	1-1/2	5-1/2	B 57106
3/8	1-1/2	E 55251	3/4	5-1/2	E 55284	1-1/2	6	B 57107
3/8	2	E 55252	3/4	6	E 55271	2	2-1/2	B 57115
3/8	2-1/2	E 55250	1	2	E 55272	2	3	B 57116
3/8	3	E 55253	1	2-1/2	E 55285	2	3-1/2	B 57117
3/8	3-1/2	E 55263	1	3	E 55273	2	4	B 57118
3/8	4	E 55254	1	3-1/2	E 55286	2	4-1/2	B 57119
3/8	4-1/2	E 55264	1	4	E 55274	2	5	B 57120
3/8	5	E 55255	1	4-1/2	E 55287	2	5-1/2	B 57121
						2	6	B 57122

TUBING, HOSE AND ACCESSORIES

TUBING

COPPER

- SEAMLESS, SOFT, BRIGHT ANNEALED TUBING.
- USE FOR FUEL, OIL, WATER, GAS, ETC.
- EASY TO WORK WITH.



25 FOOT ROLL

TUBE SIZE	WALL THICKNESS	PART	TUBE SIZE	WALL THICKNESS	PART
1/8	.030	A 54509	3/8	.032	A 54513
3/16	.030	A 54510	1/2	.032	A 54515
1/4	.030	A 54511	5/8	.035	A 54516
5/16	.032	A 54512	3/4	.035	A 54517

NYLON

- MILKY COLORED SEMI-RIGID TUBING USED IN AGRICULTURE, FOOD PROCESSING AND LABORATORIES.
- PROVIDES GOOD CHEMICAL RESISTANCE TO ALIPHATICS, AMMONIA, AMMONIUM HYDROXIDE, BENZENE AND OTHER SUBSTANCES.
- TEMPERATURE RANGE: -60°F TO 180°F
- MAXIMUM WORKING PRESSURE @ 70°F: 333 PSI
- MINIMUM BURST PRESSURE @ 70°F: 1,000 PSI



50 FOOT ROLL

TUBE SIZE	TUBE I.D.	WALL THK.	PART	TUBE SIZE	TUBE I.D.	WALL THK.	PART
1/8	.096	.015	A 54536	5/16	.242	.036	A 54539
3/16	.142	.023	A 54537	3/8	.295	.040	A 54540
1/4	.190	.030	A 54538	-	-	-	A -

METRIC NYLON



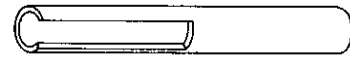
25 METERS

SIZE	PART	SIZE	PART
4mm	A 55686	8mm	A 55689
5mm	A 55687	10mm	A 55690
6mm	A 55688	12mm	A 55691

NYLON AIR BRAKE — SINGLE WALL

- FOR USE ON TRUCKS, TRACTORS, OFF-THE-ROAD EQUIPMENT
- TEMP. RANGE: -40°F to +200°F
- MEETS DOT FMVSS 571-106
- DESIGNED FOR AIR BRAKE SYSTEMS, AIR CONTROL LINES, AIR GAUGE LINES, FUEL LINES (GAS, DIESEL) ANTI-FREEZE LINES, AIR SUPPLY LINES, SHIFT CONTROL LINES

SAE SPEC. J844 TYPE 3A – INDUSTRY TYPE NT-100



100 FOOT ROLL

TUBE SIZE	WALL THICKNESS	BURST RATING (PSI)	MIN. BEND RADIUS	PART
1/8	.023	1000	3/8"	A 55565
1/4	.040	1200	1"	A 55566

TUBING, HOSE AND ACCESSORIES (Cont'd.)

TUBING

NYLON AIR BRAKE — REINFORCED

- FOR USE ON TRUCKS, TRACTORS, OFF-THE-ROAD EQUIPMENT
- TEMP. RANGE: -40°F to +200°F
- MEETS DOT FMVSS 571-106
- DESIGNED FOR AIR BRAKE SYSTEMS, AIR CONTROL LINES, AIR GAUGE LINES, FUEL LINES (GAS, DIESEL) ANTI-FREEZE LINES, AIR SUPPLY LINES, SHIFT CONTROL LINES
- MAX. WORKING PRESSURE: 150 PSI

SAE SPEC. J844 TYPE 3B – INDUSTRY TYPE NT-100



100 FOOT ROLL

TUBE SIZE	WALL THICKNESS	BURST RATING (PSI)	MIN. BEND RADIUS	PART
3/8	.062	1400	1-1/2"	A 55570
1/2	.062	950	2"	A 55571
5/8	.092	900	2-1/2"	A 55572
3/4	.092	800	3"	A 55573

VACUUM AND WINDSHIELD WASHER

- SPECIAL EPSYN® COMPOUND WITHSTANDS THE EFFECTS OF HEAT, OZONE AND WASHER SOLUTIONS.
- MEETS SAE J1037 SPECIFICATIONS.
- IDEAL FOR WINDSHIELD WASHER, VACUUM OPERATED ACCESSORIES AND EMISSION CONTROL APPLICATIONS.



50 FOOT ROLL

HOSE I.D.	NIPPLE SIZE	PART	HOSE I.D.	NIPPLE SIZE	PART
7/64	1/8	A 52540	7/32	1/4	A 52544
5/32	3/16	A 52542	9/32	5/16	A 52546

POLYETHYLENE — LOW DENSITY

- NATURAL COLOR
- FLEXIBLE
- GOOD CHEMICAL RESISTANCE
- TEMP. RANGE: -40°F TO +135°F



100 FOOT ROLL

O.D. TUBE	I.D. TUBE	WALL THICKNESS	MAX PSI @ 70°F	PART
1/4	11/64	.406	150	A 55661
5/16	15/64	.062	130	A 55662
3/8	1/4	.062	125	A 55663
1/2	3/8	.062	100	A 55664

VINYL

- CLEAR, SOFT, PLIABLE
- EXCELLENT RESISTANCE TO ALCOHOLS, ANTI-FREEZE, MINERAL ACIDS AND ALKALIES
- TEMP. RANGE: -5°F TO +105°F



100 FOOT ROLL

O.D. TUBE	I.D. TUBE	WALL THICKNESS	MAX PSI @ 70°F	PART
1/4	11/64	.040	55	A 55675
1/4	1/8	.062	65	A 55676
5/16	3/16	.062	55	A 55677
3/8	1/4	.062	55	A 55678
1/2	3/8	.062	40	A 55679

TUBING, HOSE AND ACCESSORIES (Cont'd.)

HOSES

NEOPRENE AIR BRAKE - REINFORCED

- MAXIMUM WORKING PRESSURE: 125 PSI
- MINIMUM BURST PRESSURE: 900 PSI
- SPECIFICATIONS: Penn State approved, SAE 40R2 type B (DOT FMVSS 571.106A1).
- CONSTRUCTION: Neoprene inner tube and cover. One ply braided fiber reinforcing material over inner wall.
- TEMPERATURE RANGE: -40°F TO +250°F.
- MAXIMUM AIR TEMPERATURE: APPROXIMATELY 160°F.

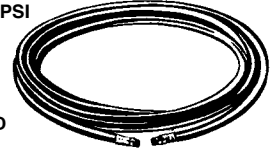


50 FOOT ROLL

INSIDE DIA.	OUTSIDE DIA.	PKG.	PART	USE WITH HOSE ENDS: REUSABLE AIR BRAKE
3/8	3/4	50 FEET	A 53419	

RUBBER COVERED AIR HOSE

- MAXIMUM WORKING PRESSURE: 300 PSI
- RESISTS OIL, GREASE AND DETERIORATION FROM OZONE
- 2-PLY REINFORCED
- EACH LENGTH OF HOSE HAS A 1/4" NPT MALE FITTING ON EACH END
- REMAINS FLEXIBLE IN USE

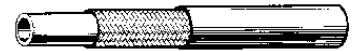


50 FOOT ROLL

INSIDE DIA.	OUTSIDE DIA.	PKG.	PART
3/8	5/8	50 FEET	A 54560

LOW PRESSURE HOSE — GENERAL PURPOSE

- DESIGNED FOR LOW PRESSURE AUTOMOTIVE AND INDUSTRIAL APPLICATIONS. (HOSE CLAMPS NOT REQUIRED).
- USE FOR ASSEMBLY OF LOW PRESSURE FUEL AND OIL LINES, VACUUM GAUGE LINES, AIR LINES AND OTHER USES WHERE APPLICATION WILL NOT EXCEED WORKING PRESSURES OVER 250 PSI.
- INNER TUBE: SYNTHETIC RUBBER COMPOUNDED RESISTS DETERIORATING EFFECTS OF GASOLINE, OIL, DIESEL, FUEL, AIR, WATER, GREASE, KEROSENE AND COMMON HYDRAULIC FLUIDS.
- RUBBER OUTER COVER: TOUGH, ABRASION-RESISTANT RUBBER.
- COTTON OUTER COVER: TOUGH COTTON JACKET TREATED WITH GRAPHITE. RESISTS OIL, GASOLINE, VIBRATION, HEAT AND COLD.
- TEMPERATURE RANGE: -40°F TO +250°F. MAXIMUM AIR TEMPERATURE: 160°F.
- REINFORCEMENT: ONE PLY BRAIDED FIBER.



RUBBER COVER — 25 FOOT ROLL

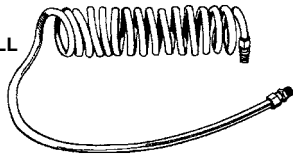


COTTON COVER — 25 FOOT ROLL

RUBBER I.D.	RUBBER O.D.	PART	USE WITH HOSE ENDS: REUSABLE "PUSH ON"	COTTON I.D.	COTTON O.D.	PART
1/4	1/2	A 54546		1/4	1/2	A 54547
3/8	5/8	A 54548		3/8	5/8	A 54549
1/2	3/4	A 54553		-	-	-

POLYURETHANE SELF-COILING AIR HOSE

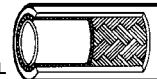
- KINK RESISTANT, LIGHT WEIGHT AND MOBILE
- SUPERIOR MEMORY, IT SNAPS BACK TO ORIGINAL SIZE
- EXCELLENT CHEMICAL, OXIDATION, HYDROLYSIS AND OZONE RESISTANCE
- 100 PSI WORKING PRESSURE AT 70°F
- 18" NON-COILED TOOL END. HOSE WILL NOT INTERFERE WITH TOOL USE.
- 360° WORKING 1/4" MALE PIPE SWIVEL FITTING ON BOTH ENDS
- TEMPERATURE -40°F TO +170°F



INSIDE DIA.	OUTSIDE DIA.	PKG.	PART
1/4	3/8	15 FEET	A 54561
1/4	3/8	25 FEET	A 54562

FUEL LINE HOSE

- MANUFACTURED TO MEET OR EXCEED SAE J30R6, SAE J30R7 AND GM 6165M SPECIFICATIONS
- SUITABLE FOR USE WITH LEADED AND UNLEADED GASOLINE, ETHANOL AND METHANOL BASED GASOLINE AND DIESEL FUEL. DO NOT USE FOR FUEL INJECTION APPLICATION.
- CONSTRUCTED OF A NITRILE TUBE, 2-BRAID RAYON CORD REINFORCEMENT AND A HYPALON COVER
- RESISTS HEAT UP TO 257°F
- 175 PSI BURST STRENGTH



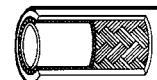
25 FOOT ROLL

INSIDE DIA.	OUTSIDE DIA.	PKG.	PART
1/4	1/2	25 FEET	A 54550
5/16	9/16	25 FEET	A 54551
3/8	5/8	25 FEET	A 54552

HEATER HOSE

- PREMIUM QUALITY, INSULATED HOSE
- EPDM COVER RESIST OZONE, HIGH TEMPERATURES AND CORROSIVE ADDITIVES
- REINFORCED WALL PROTECTS AGAINST SURGING PRESSURES AND KINKING
- RED OUTER COVER
- SAFELY HANDLES ALL COOLANT SOLUTIONS AND CORROSION ADDITIVES AS WELL AS HIGH-OPERATION TEMPERATURES
- TEMPERATURE RATING

50 FOOT ROLL



INSIDE DIA.	OUTSIDE DIA.	PKG.	PART	INSIDE DIA.	OUTSIDE DIA.	PKG.	PART
5/8	15/16	50 FEET	A 54570	3/4	1-1/16	50 FEET	A 54571

TUBING, HOSE AND ACCESSORIES

HOSES - PNEUMATIC AND HYDRAULIC

FLEXZILLA AIR HOSE & FLEXZILLA AIR HOSE ON A REEL

The FLEXZILLA™ Air Hose is made from an engineered hybrid polymer, combining the best qualities of both PVC and rubber materials and being superior to both.

- Bright Green Air Hose
- 3/8 in. x 50 ft.
- 1/4" MNPT Ends
- Bend Restrictors
- Excellent Abrasion Resistance & Superior Bend Radius
- Lightweight and Easy to Handle
- Temperature Range: -40° F to 150° F
- Working Pressure: 300 psi (20.7 bar)



P/N 54563



P/N 54564

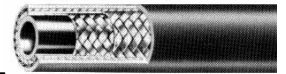
The FLEXZILLA™ Air Hose On A Reel

- 3/8 in. x 75 ft.
- **Levelwind™ technology** layers hose back and forth across the reel
- **Adjustable hose stopper** determines the length of the hose when retracted
- Seven position locking bracket
- **Latching mode switch** allows you to choose from latching the hose every 3 ft. or switch to free run
- 3/4" extra large swivel
- Free standing base or mount on wall
- **REPLACEMENT HOSE for FLEXZILLA™ Air Hose On A Reel: P/N 54569**

HIGH PRESSURE HYDRAULIC HOSE - TYPE H245 HI-R FLEX

- MARINE APPLICATION J1942: FUEL AND LUBE SERVICE ACCEPTED
- MSHA ACCEPTED, ABS
- TYPICAL APPLICATIONS: HIGH PRESSURE LINES; HEAVY EQUIPMENT (MARINE, ON/OFF ROAD), CONSTRUCTION, FARM EQUIPMENT
- COMPATIBLE WITH: WATER/GLYCOL, WATER, GENERIC HYDRAULIC FLUIDS, AND DIESEL FUEL
- COVER: NEOPRENE / INNER TUBE: NITRILE BLEND
- REINFORCEMENT: 2 STEEL BRAIDS.
- TEMPERATURE RANGE: -40°F TO +212°F

SAE 100R16, ABS



50 FOOT ROLL

HOSE I.D.	HOSE O.D.	WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND RADIUS	INDUSTRY TYPE	PART	USE WITH HOSE ENDS: COLL-O-CRIMP "M" SERIES, "S" SERIES, "U" SERIES or REUSABLE 430 "U" SERIES
1/4	17/32	5,000	20,000	2	H24504	R WH24504	
3/8	11/16	4,000	16,000	2-1/2	H24506	R WH24506	
1/2	13/16	3,500	14,000	3-1/2	H24508	R WH24508	
5/8	15/16	2,750	11,000	4	H24510	R WH24510	
3/4	1-3/32	2,250	9,000	4-3/4	H24512	R WH24512	
1	1-13/32	2,000	8,000	6	H24516	R WH24516	
1-1/4	1-25/32	1,625	6,500	8-1/4	H24520	R WH24520	

MEDIUM PRESSURE HYDRAULIC HOSE - TYPE H104

- USCG FLUID POWER AND FUEL/LUBE SYSTEMS ACCEPTED.
- MSHA ACCEPTED.
- TYPICAL APPLICATIONS: MEDIUM PRESSURE HYDRAULIC LINES. FARM EQUIPMENT HYDRAULIC LINES.
- COVER AND INNER TUBE: NEOPRENE.
- REINFORCEMENT: 1 STEEL BRAID.
- TEMPERATURE RANGE: -40°F TO +212°F.

SAE 100R1 TYPE AT

50 FOOT ROLL



HOSE I.D.	HOSE O.D.	WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND RADIUS	INDUSTRY TYPE	PART	USE WITH HOSE ENDS: COLL-O-CRIMP "U" SERIES
1/4	17/32	2,750	11,000	4	H104 04	R 54779	
3/8	11/16	2,250	9,000	5	H104 06	R 54780	
1/2	13/16	2,000	8,000	7	H104 08	R 54781	
3/4	1-3/32	1,250	5,000	9-1/2	H104 12	R 54782	
1	1-13/32	1,000	4,000	12	H104 16	R 54783	

TUBING, HOSE AND ACCESSORIES

HOSES – HYDRAULIC

MEDIUM PRESSURE HYDRAULIC HOSE — TYPE H324 POWER STEERING

- TYPICAL APPLICATIONS: PASSENGER CAR/LIGHT TRUCK POWER STEERING HOSE
- COVER AND INNER TUBE: NEOPRENE
- REINFORCEMENT: 2 FIBER BRAIDS
- TEMPERATURE RANGE: -40°F TO +250°F

SAE J188 TYPE II

50 FOOT ROLL



HOSE I.D.	HOSE O.D.	WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND RADIUS	INDUSTRY TYPE	PART	USE WITH HOSE ENDS: COLL-O-CRIMP "U" SERIES
3/8	3/4	1,400	5,600	3-1/8	H324 06	A 54788	

MEDIUM PRESSURE HYDRAULIC HOSE — TYPE H069 TRUCK

- TYPICAL APPLICATIONS: MEDIUM PRESSURE HYDRAULIC, AIR, OIL, FUEL OR GREASE LINES ON FORK LIFTS, TRUCKS AND OFF HIGHWAY VEHICLES, SIZES 7/8" THROUGH 3" ARE NOT DOT APPROVED
- COVER: FIBER BRAID / INNER TUBE: NITRILE
- REINFORCEMENT: 1 FIBER BRAIDS AND 1 STEEL BRAID
- TEMPERATURE RANGE: -40°F TO +300°F (3/16" TO 7/8") / -40°F TO +250°F (1/8" TO 3")

SAE 100A5, SAEJ1402 TYPE II*, DOT ALL*

50 FOOT ROLL



HOSE I.D.	HOSE O.D.	WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND RADIUS	INDUSTRY TYPE	PART	USE WITH HOSE ENDS: REUSABLE 247 "N" SERIES
3/16	33/64	3,000	12,000	3	H069 04	R 54800	
1/4	37/64	3,000	12,000	3-3/8	H069 05	R 54801	
5/16	43/64	2,250	9,000	4	H069 06	R 54802	
13/32	49/64	2,000	8,000	4-5/8	H069 08	R 54803	
1/2	59/64	1,750	7,000	5-1/2	H069 10	R 54804	
5/8	1-5/64	1,500	6,000	6-1/2	H069 12	R 54805	
7/8	1-15/64	800	3,200	7-3/8	H069 16	R 54806	

*Sizes 3/16 through 5/8 only.

ACCESSORIES

INTERNAL PIPE WRENCHES

- FOR REMOVAL OF BROKEN THREADED ENDS OF PIPE, PIPE PLUGS AND FITTINGS
- HEX BODY CAN BE USED WITH A WRENCH
- PIPE SIZES ARE MARKED ON EACH WRENCH
- HEAT TREATED ALLOY STEEL, PLATED TO PREVENT RUST
- SIZE STAMPED ON BODY
- CONFORMS TO GOV. SPECS. GGG-W643B



SIZE	LENGTH	PART
3/8" (9.7mm)	3-3/4" (95.25mm)	A 54481
1/2" (12mm)	3-3/4" (95.25mm)	A 54482
3/4" (20mm)	3-3/4" (95.25mm)	A 54483
1" (25mm)	3-3/4" (95.25mm)	A 54484
Internal Pipe Wrench Set (4-Piece Set) Sizes 3/8" to 1"		A 54480

DOUBLE FLARING TOOL SET

REPLACEMENT PARTS	PART	
3/16 Flaring Adapter	E 54525	<p>P/N 54523</p> <ul style="list-style-type: none"> • DOUBLE FLARE SOFT STEEL TUBING (.040 WALL THICK.) • HARDENED BAR ASSEMBLY • 5 THREADED DIES (3/16, 1/4, 5/16, 3/8 AND 1/2) • SINGLE FLARES SOFT COPPER, ALUMINUM AND BRASS 45° • HEAT TREATED, STEEL FORGED YOKE COMPRESSOR • HARD CHROME FLASHED, ALLOY STEEL SWIVEL
1/4 Flaring Adapter	E 54526	
5/16 Flaring Adapter	E 54527	
3/8 Flaring Adapter	A 54528	
1/2 Flaring Adapter	A 54529	
Spare Yoke Assembly	A 54524	

TUBING, HOSE AND ACCESSORIES

ACCESSORIES

HOSE/PIPE CUTTER



- CUTS RUBBER HOSE AND TUBING THROUGH 2" I.D.; P.E. THROUGH 1-1/2" I.D.; CLASS PVC THROUGH 1-1/4" I.D.
- REPLACEABLE STAINLESS STEEL BLADE
- BLADE CLOSES INTO ITS OWN HANDLE FOR SAFE CARRYING AND HANDLING

- TOUGH, DURABLE GLASS-FILLED NYLON HANDLES
- FASTER THAN OTHER METHODS OF CUTTING
- MADE IN THE U.S.A.

SIZE	PART	SIZE	PART
Hose/Pipe Cutter	A 54505	Replacement Blade	D 54504

TUBE CUTTER

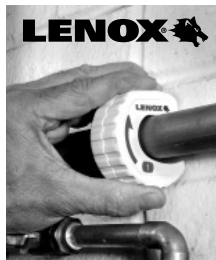
- CUTS COPPER, BRASS, ALUMINUM, STEEL AND LEAD TUBES FROM 1/8" TO 1-1/8"
- BODY AND VISE MADE OF ZAMAC DIE CAST
- HARDENED ROLLERS MAKE A PERFECT CUT, LEAVING NO CHIPS
- TUBE CUTTER WILL NOT FLATTEN THE TUBE
- HANDY SPRING REAMER BLADE IS ATTACHED



DESCRIPTION	PART
Tube Cutter	A 54491

TIGHT SPACES TUBING CUTTERS

- **3-PIECE KIT (P/N 8900)**
Packed in a durable hard plastic case
- **FOR COPPER TUBING**
Diameters: 1/2" / 3/4" / 1"
(13 mm / 19 mm / 25 mm)
- **LESS BURR. MORE CUTS**
Optimized blade geometry of shock-resistant steel
- **COMPACT DESIGN FOR TIGHT SPOTS**
Non-slip grooved cast aluminum body only needs 1/2" clearance to cut
- **NO RUSTING**
Stainless steel rollers protect the cutter from corrosion
- **QUICK IDENTIFICATION**
Color coding for easy tool recognition and cutting direction



DESCRIPTION	PART NO.
3-Piece Kit	A 8900
Tight Spaces Tubing Cutter - 1/2" (13 mm)	A 54672
Tight Spaces Tubing Cutter - 3/4" (19 mm)	A 54673
Tight Spaces Tubing Cutter - 1" (25 mm)	A 54674
Replacement Cutting Wheels (2-Pack)	B 54669

REPLACEMENT YOKE FOR FLARING TOOL

- Replacement yoke assembly only.
- The tool flares copper, brass, aluminum and steel tubing to make S.A.E. flared joints, without cracking or splitting. For 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" tubing.



DESCRIPTION	PART
Replacement Yoke Assembly	A 54490

RATCH-CUT TUBING CUTTERS

- Allows cutting in tight spaces
- Lightweight and easy to operate
- Cuts Aluminum, Brass, Copper, plastics, PVC, and Stainless Steel.
- Use for A/C, refrigeration, electrical, plumbing, and industrial applications.

P/N 54492
Cuts tube sizes from 1/8" to 3/8"



Note:
P/N 54992 is designed for the automotive trade, to service fuel lines, brake lines, vacuum lines and A/C lines.

P/N 54494
Cuts tube sizes from 5/16" to 1-1/8"

DESCRIPTION	PART NO.
Tubing Cutter – Cuts 1/8" to 3/8" Tubing	A 54492
Replacement Wheel For 54492	A 54493
Tubing Cutter – Cuts 5/16" to 1-1/8" Tubing	A 54494
Replacement Wheel for 54494	A 54495

MIDGET TUBE CUTTER

- CUTS 1/8" THROUGH 5/8" O.D. TUBING
- HANDY IN TIGHT PLACES
- OVERALL LENGTH CLOSED – 1-3/4"
OVERALL LENGTH OPEN – 2".



DESCRIPTION	PART
Midget Tube Cutter	A 54530

TUBE BENDERS (SPRING TYPE)



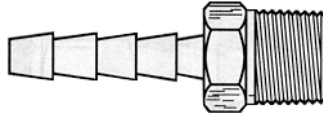
SIZE	PART	SIZE	PART
5 Pc. Set (1/4-5/8)	A 54498	3/8	I 54501
1/4	I 54499	1/2	I 54502
5/16	I 54500	5/8	E 54503

TUBING, HOSE AND ACCESSORIES

HOSE BARB FITTINGS

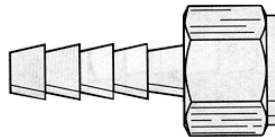
Made to Dryseal standards and machined from CA360 and CA345 brass. Temperature ranges from -40° to +160°F and maximum pressure at 150 psi. Ideal for air hose applications requiring corrosion resistance. Fast, easy assembly and can be used with hose clamps.

MALE HOSE BARB



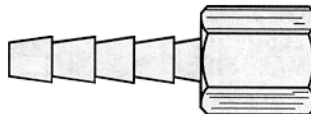
HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
1/8	1/8	I 53300	5/16	3/8	I 53309
3/16	1/8	I 53301	3/8	1/8	I 53310
3/16	1/4	I 53302	3/8	1/4	I 53311
1/4	1/8	I 53303	3/8	3/8	I 53312
1/4	1/4	I 53304	3/8	1/2	E 53313
1/4	3/8	I 53305	1/2	1/4	I 53314
1/4	1/2	E 53306	1/2	3/8	I 53315
5/16	1/8	I 53307	1/2	1/2	E 53316
5/16	1/4	I 53308	-	-	-

SWIVEL FEMALE BARB WITH BALL SEAT



HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
1/8	1/8	I 53340	3/8	1/4	I 53346
3/16	1/8	I 53341	3/8	3/8	I 53347
1/4	1/8	I 53342	3/8	1/2	E 53348
1/4	1/4	I 53343	1/2	3/8	E 53349
1/4	3/8	I 53344	1/2	1/2	E 53350
5/16	1/4	I 53345	-	-	-

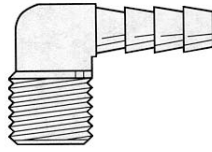
FEMALE HOSE BARB



HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
3/16	1/8	E 53352	3/8	1/8	E 53359
1/4	1/8	I 53353	3/8	1/4	I 53360
1/4	1/4	I 53354	3/8	3/8	E 53361
1/4	3/8	E 53355	3/8	1/2	E 53362
5/16	1/8	E 53356	1/2	1/4	E 53363
5/16	1/4	E 53357	1/2	3/8	E 53364
5/16	3/8	E 53358	1/2	1/2	E 53365

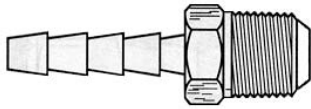
TUBING, HOSE AND ACCESSORIES (Cont'd.)

MALE 90° ELBOW HOSE BARB



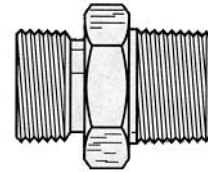
HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
1/4	1/8	E 53375	3/8	1/4	E 53380
1/4	1/4	E 53376	3/8	3/8	E 53381
5/16	1/8	E 53377	3/8	1/2	E 53382
5/16	1/4	E 53378	1/2	1/4	E 53383
3/8	1/8	E 53379	1/2	3/8	E 53384

SAE MALE HOSE BARB



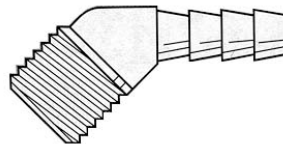
HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
3/16	1/4	E 53387	3/8	3/8	I 53391
1/4	1/4	I 53388	3/8	1/2	E 53392
1/4	3/8	I 53389	1/2	1/2	E 53393
5/16	5/16	I 53390	—	—	—3/8

ADAPTER BALL SEAT TO MALE PIPE



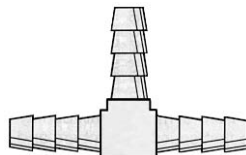
HOSE I.D.	PIPE THREAD	PART
1/4	1/4	E 53408

MALE 45° ELBOW HOSE BARB



HOSE I.D.	PIPE THREAD	PART	HOSE I.D.	PIPE THREAD	PART
1/4	1/8	E 53410	3/8	1/8	E 53413
5/16	1/8	E 53411	3/8	1/4	E 53414
5/16	1/4	E 53412	3/8	3/8	E 53415

TEE HOSE BARB



SIZE	PART
1/4	E 53416
5/16	E 53417
3/8	E 53418

BRASS HOSE MENDER

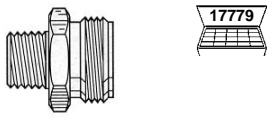


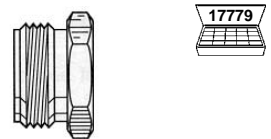
HOSE I.D.	PART	HOSE I.D.	PART
3/16	I 52239	3/8	I 52244
1/4	I 52240	1/2	E 52245
5/16	I 52242	5/8	B 52246

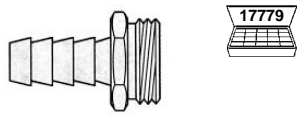
TUBING, HOSE AND ACCESSORIES (Cont'd.)


GARDEN HOSE FITTINGS


Hose barb ends are intended for use with hose clamps (see page 27.1). All female connector ends should have a garden hose washer inserted prior to usage. All garden hose ends are 3/4 garden hose thread.

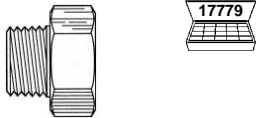
MALE GARDEN HOSE X MALE PIPE		
		
HOSE THREAD	MALE PIPE THREAD	PART
3/4	3/4	D 53283
3/4	1/2	D 53284
3/4	3/8	B 53285

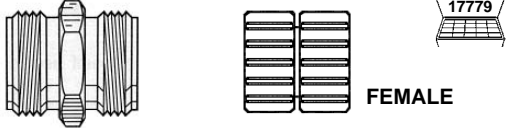
MALE GARDEN HOSE X FEMALE PIPE		
		
HOSE THREAD	MALE PIPE THREAD	PART
3/4	3/4	D 53286
3/4	1/2	D 53287


MALE GARDEN HOSE X HOSE BARB		
		
HOSE THREAD	HOSE I.D.	PART
3/4	3/4	B 53289
3/4	5/8	B 53290
3/4	1/2	B 53291

FEMALE SWIVEL GARDEN HOSE X HOSE BARB		
		
HOSE THREAD	HOSE I.D.	PART
3/4	3/4	B 53297
3/4	5/8	B 53298
3/4	1/2	B 53299

FEMALE SWIVEL GARDEN HOSE X FEMALE PIPE		
		
HOSE THREAD	FEMALE PIPE THREAD	PART
3/4	3/4	B 53292
3/4	1/2	B 53293

FEMALE GARDEN HOSE X MALE PIPE		
		
HOSE THREAD	FEMALE PIPE THREAD	PART
3/4	3/4	D 53295
3/4	1/2	D 53296

GARDEN HOSE UNION			
			
MALE		FEMALE	
HOSE THREAD	PIPE THREAD	PART	
3/4	3/4 Male	D	53288
3/4	3/4 Female	B	53294

GARDEN HOSE CAPS	
	
DESCRIPTION	PART
Garden Hose Cap with Chain	D 53280
Garden Hose Cap	D 53281
Garden Hose Plastic Washer	R 53282

GARDEN HOSE



PREMIUM QUALITY – GREEN

- SPECIAL FLEX-GARD COLLAR KEEPS END OF THE HOSE KINK FREE FOR FULL WATER FLOW
- CUFF-RESISTANT RUBBER/VINYL JACKET FOR DURABILITY AND LONGER LIFE
- HIGH BURST STRENGTH TO HANDLE VARIOUS PRESSURES
- DOUBLE NYLON REINFORCED FOR ADDED PROTECTION
- HEAVY-DUTY, CRUSH-PROOF SOLID BRASS COUPLINGS ALLOWS FOR CONSISTENT AND EASY CONNECTIONS

PROFESSIONAL QUALITY – BLACK

- IDEAL FOR COMMERCIAL USE
- HOT WATER PREMIUM RUBBER WITHSTANDS TEMPERATURES UP TO 180°F
- HIGH BURST STRENGTH TO HANDLE VARIOUS PRESSURES
- HEAVY-DUTY BRASS COUPLINGS FOR EASY CONNECTION



DESCRIPTION	I.D.	LENGTH	PART	DESCRIPTION	I.D.	LENGTH	PART
Premium Rubber/Vinyl	5/8	50'	A 53317	Professional Rubber Reinforced	5/8	50'	A 53323
Premium Rubber/Vinyl	5/8	100'	A 53318	Professional Rubber Reinforced	3/4	50'	A 53326
Premium Rubber/Vinyl	3/4	50'	A 53319				

PIPE FITTINGS - GALVANIZED MALLEABLE IRON

GALVANIZED CLASS 150 FOR SCHEDULE 40 PIPE

Use with iron, steel, brass or bronze piping systems for air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd-jobs. 150 lb. rating. All fittings conform to ASME B 16.3.

90° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56200	1	E 56205
1/4	E 56201	1-1/4	A 56206
3/8	E 56202	1-1/2	A 56207
1/2	E 56203	2	A 56208
3/4	E 56204	—	—

45° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56215	1	E 56220
1/4	E 56216	1-1/4	A 56221
3/8	E 56217	1-1/2	A 56222
1/2	E 56218	2	A 56223
3/4	E 56219	—	—

90° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56230	1	A 56235
1/4	E 56231	1-1/4	A 56236
3/8	E 56232	1-1/2	A 56237
1/2	E 56233	2	A 56238
3/4	E 56234	—	—

45° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56242	1	B 56247
1/4	E 56243	1-1/4	A 56248
3/8	E 56244	1-1/2	A 56249
1/2	E 56245	2	A 56250
3/4	B 56246	—	—

TEE — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56349	1	A 56354
1/4	E 56350	1-1/4	A 56355
3/8	E 56351	1-1/2	A 56356
1/2	E 56352	2	A 56385
3/4	E 56353	—	—

STEEL MERCHANT COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56302	1	E 56307
1/4	E 56303	1-1/4	A 56308
3/8	E 56304	1-1/2	A 56309
1/2	E 56305	2	A 56310
3/4	E 56306	—	—

REDUCING COUPLING



PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	E 56251	3/4 x 3/8	E 56258	1-1/2 x 1/2	A 56271
3/8 x 1/4	E 56252	3/4 x 1/2	E 56257	1-1/2 x 3/4	A 56270
1/2 x 1/8	E 56256	1 x 3/8	A 56263	1-1/2 x 1	A 56269
1/2 x 1/4	E 56255	1 x 1/2	A 56262	1-1/2 x 1-1/4	A 56268
1/2 x 3/8	E 56254	1 x 3/4	A 56261	2 x 1	A 56274
3/4 x 1/8	E 56260	1-1/4 x 1/2	A 56267	2 x 1-1/2	A 56272
3/4 x 1/4	E 56259	1-1/4 x 1	A 56265	—	—

COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 56390	1	A 56395
1/4	B 56391	1-1/4	A 56396
3/8	B 56392	1-1/2	A 56397
1/2	B 56393	2	A 56398
3/4	A 56394	—	—

GALVANIZED MALLEABLE IRON (Cont'd.)

HEX BUSHING



PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	I 56326	3/4 x 1/8	E 56335	1-1/4 x 3/8	A 56344
3/8 x 1/4	I 56327	1 x 3/4	E 56336	1-1/2 x 1/2	B 56357
3/8 x 1/8	I 56328	1 x 1/2	E 56337	1-1/2 x 3/4	B 56358
1/2 x 3/8	I 56329	1 x 3/8	E 56338	1-1/2 x 1	B 56359
1/2 x 1/4	I 56330	1 x 1/4	E 56339	1-1/2 x 1-1/4	B 56346
1/2 x 1/8	I 56331	1 x 1/8	B 56340	2 x 1/2	B 56360
3/4 x 1/2	E 56332	1-1/4 x 1/2	C 56343	2 x 3/4	B 56361
3/4 x 3/8	E 56333	1-1/4 x 3/4	C 56342	2 x 1-1/4	A 56348
3/4 x 1/4	E 56334	1-1/4 x 1	C 56341	2 x 1-1/2	A 56347

SQUARE HEAD PLUG



*CORED SIZES: 3/4 AND 1" ONLY

PIPE THREAD	PART
1/8	I 56364
1/4	I 56365
3/8	I 56366
1/2	I 56367
3/4	I 56368
1	I 56369

CAP



PIPE THREAD	PART	PIPE THREAD	PART
1/8	I 56293	1	E 56298
1/4	I 56294	1-1/4	A 56299
3/8	I 56295	1-1/2	A 56300
1/2	I 56296	2	A 56301
3/4	E 56297	-	-

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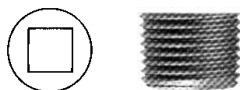
GROUND JOINT UNION

ASME B16.39



PIPE THREAD	PART	PIPE THREAD	PART
1/8	A 56314	1/2	A 56317
1/4	A 56315	3/4	A 56319
3/8	A 56316	1	A 56320

SQUARE COUNTERSUNK PLUG



PIPE THREAD	PART	PIPE THREAD	PART
1/8	T 56370	1	I 56387
1/4	T 56371	1-1/4	E 56374
3/8	T 56372	1-1/2	B 56375
1/2	R 56386	2	B 56376
3/4	N 56373	-	-

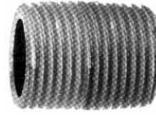
HEX PLUG



PIPE THREAD	PART
1/4	E 56377
3/8	N 56378
1/2	N 56379
3/4	E 56380

PIPE NIPPLES - GALVANIZED WELDED STEEL

CLOSE NIPPLE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	I 56400	3/4	E 56468
1/4	I 56417	1	E 56485
3/8	I 56434	1-1/4	A 56501
1/2	I 56451	1-1/2	I 56517

WELDED NIPPLE





PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART
1/8	1-1/2	I 56401	1/2	6	E 56461
1/8	2	I 56402	3/4	1-1/2	E 56469
1/8	2-1/2	I 56403	3/4	2	E 56470
1/8	3	I 56404	3/4	2-1/2	E 56471
1/8	3-1/2	I 56405	3/4	3	E 56472
1/8	4	I 56406	3/4	3-1/2	E 56473
1/8	5	E 56407	3/4	4	E 56474
1/8	6	E 56409	3/4	5	E 56476
1/4	1-1/2	I 56418	3/4	5-1/2	E 56477
1/4	2	I 56419	3/4	6	E 56478
1/4	2-1/2	I 56420	1	2	E 56486
1/4	3	I 56421	1	2-1/2	E 56487
1/4	3-1/2	I 56422	1	3	E 56488
1/4	4	I 56423	1	3-1/2	E 56489
1/4	5	E 56425	1	4	E 56490
1/4	5-1/2	E 56426	1	4-1/2	E 56491
1/4	6	E 56427	1	5	E 56492
3/8	1-1/2	I 56435	1	5-1/2	E 56493
3/8	2	I 56436	1	6	E 56494
3/8	2-1/2	I 56437	1-1/4	2	A 56502
3/8	3	I 56438	1-1/4	2-1/2	A 56503
3/8	3-1/2	E 56439	1-1/4	3	A 56504
3/8	4	E 56440	1-1/4	3-1/2	A 56505
3/8	4-1/2	E 56441	1-1/4	4	A 56506
3/8	5	E 56442	1-1/4	4-1/2	A 56507
3/8	6	E 56444	1-1/4	5	A 56508
1/2	1-1/2	I 56452	1-1/4	5-1/2	A 56509
1/2	2	I 56453	1-1/4	6	A 56510
1/2	2-1/2	I 56454	1-1/2	2	A 56518
1/2	3	I 56455	1-1/2	2-1/2	A 56519
1/2	3-1/2	I 56456	1-1/2	3	A 56520
1/2	4	I 56457	1-1/2	4	A 56527
1/2	4-1/2	E 56458	1-1/2	5	A 56524
1/2	5	I 56459	1-1/2	6	A 56526


PIPE FITTINGS - SCHEDULE 80 MALLEABLE BLACK IRON


CLASS 300 EXTRA HEAVY FOR SCHEDULE 80 PIPE


Use with iron, steel, brass or bronze piping systems for air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd-jobs. 300 lb. rating. All fittings conform to ASME B 16.3.


90° ELBOW — FEMALE			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56600	1	B 56604
3/8	B 56601	1-1/4	A 56605
1/2	B 56602	1-1/2	A 56606
3/4	B 56603	2	A 56607


45° ELBOW — FEMALE			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56611	1	A 56615
3/8	B 56612	1-1/4	A 56616
1/2	B 56613	1-1/2	A 56617
3/4	B 56614	2	A 56618


90° STREET ELBOW			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/4	A 56622	1	A 56626
3/8	A 56623	1-1/4	A 56627
1/2	A 56624	1-1/2	A 56628
3/4	A 56625	2	A 56629


45° STREET ELBOW			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/2	A 56631	1-1/4	A 56634
3/4	A 56632	1-1/2	A 56635
1	A 56633	2	A 56636


TEE — FEMALE			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56630	1	A 56680
3/8	A 56677	1-1/4	A 56681
1/2	A 56678	1-1/2	A 56682
3/4	A 56679	2	A 56684

STEEL MERCHANT COUPLING			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56637	1	A 56640
3/8	B 56638	1-1/4	A 56642
1/2	B 56639	1-1/2	A 56643
3/4	B 56641	2	A 56644


COUPLING					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56850	3/4	B 56853	1-1/2	A 56856
3/8	B 56851	1	A 56854	2	A 56857
1/2	B 56852	1-1/4	A 56855	—	—

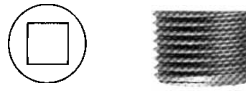
REDUCING COUPLING					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
3/8 x 1/4	A 56647	1 x 1/2	B 56654	1-1/2 x 1	A 56659
1/2 x 1/4	A 56649	1 x 3/4	A 56653	1-1/2 x 1-1/4	A 56658
1/2 x 3/8	A 56648	1-1/4 x 1	B 56656	2 x 1	A 56666
3/4 x 3/8	A 56651	1-1/4 x 3/4	B 56657	2 x 1-1/4	A 56665
3/4 x 1/2	A 56650	1-1/2 x 1/2	A 56661	2 x 1-1/2	A 56664
1 x 3/8	B 56655	1-1/2 x 3/4	A 56660	—	—


CAP					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4	B 56667	3/4	B 56670	1-1/2	A 56673
3/8	B 56668	1	A 56671	2	A 56674
1/2	B 56669	1-1/4	A 56672	—	—


GROUND JOINT UNION					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4	A 56830	3/4	56833	1-1/2	A 56836
3/8	A 56831	1	56834	2	A 56837
1/2	A 56832	1-1/4	56835	—	—

PIPE NIPPLES - SCHEDULE 80 WELDED STEEL

SQUARE HEAD PLUG - CORED			
<p>CORED SIZES: 3/4 AND 1" ONLY</p> 			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 55190	1	E 55195
1/4	E 55191	1-1/4	B 57073
3/8	E 55192	1-1/2	B 57074
1/2	E 55193	2	B 57075
3/4	E 55194	-	-

SQUARE COUNTERSUNK PLUG			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57070	1/2	E 55215
1/4	E 57071	3/4	E 55216
3/8	E 57072	1	E 55217

CLOSE NIPPLE			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56818	3/4	E 56739
1/4	E 56688	1	E 56756
3/8	E 56705	1-1/4	A 56772
1/2	E 56722	1-1/2	A 56788
-	-	2	A 56803

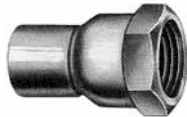
WELDED NIPPLE								
								
PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART
1/8	1-1/2	E 56820	3/8	6	E 56715	1	6	E 56765
1/8	2	E 56821	1/2	1-1/2	E 56723	1-1/4	2	A 56773
1/8	2-1/2	E 56822	1/2	2	E 56724	1-1/4	2-1/2	A 56774
1/8	3	E 56823	1/2	2-1/2	E 56725	1-1/4	3	A 56775
1/8	3-1/2	E 56824	1/2	3	E 56726	1-1/4	3-1/2	A 56776
1/8	4	E 56825	1/2	3-1/2	E 56727	1-1/4	4	A 56777
1/8	4-1/2	E 56826	1/2	4	E 56728	1-1/4	4-1/2	A 56778
1/8	5	E 56827	1/2	4-1/2	E 56729	1-1/4	5	A 56779
1/8	5-1/2	E 56828	1/2	5	E 56730	1-1/4	5-1/2	A 56780
1/8	6	E 56829	1/2	5-1/2	E 56731	1-1/4	6	A 56781
1/4	1-1/2	E 56689	1/2	6	E 56732	1-1/2	2	A 56787
1/4	2	E 56690	3/4	1-1/2	E 56740	1-1/2	2-1/2	A 56789
1/4	2-1/2	E 56691	3/4	2	E 56741	1-1/2	3	A 56790
1/4	3	E 56692	3/4	2-1/2	E 56742	1-1/2	3-1/2	A 56791
1/4	3-1/2	E 56693	3/4	3	E 56743	1-1/2	4	A 56792
1/4	4	E 56694	3/4	3-1/2	E 56744	1-1/2	4-1/2	A 56793
1/4	4-1/2	E 56695	3/4	4	E 56745	1-1/2	5	A 56794
1/4	5	E 56696	3/4	4-1/2	E 56746	1-1/2	5-1/2	A 56795
1/4	5-1/2	E 56697	3/4	5	E 56747	1-1/2	6	A 56796
1/4	6	E 56698	3/4	5-1/2	E 56748	2	2-1/2	A 56804
3/8	1-1/2	E 56706	3/4	6	E 56749	2	3	A 56805
3/8	2	E 56707	1	2	E 56757	2	3-1/2	A 56806
3/8	2-1/2	E 56708	1	2-1/2	E 56758	2	4	A 56807
3/8	3	E 56709	1	3	E 56759	2	4-1/2	A 56808
3/8	3-1/2	E 56710	1	3-1/2	E 56760	2	5	A 56809
3/8	4	E 56711	1	4	E 56761	2	5-1/2	A 56810
3/8	4-1/2	E 56712	1	4-1/2	E 56762	2	6	A 56811
3/8	5	E 56713	1	5	E 56763			
3/8	5-1/2	E 56714	1	5-1/2	E 56764			

WROT COPPER FITTINGS

FOR ALL PLUMBING AND HVAC APPLICATIONS

Materials and workmanship in accordance with ASME/ANSI B16.22. For proper fitting selection, use Nominal I.D. Size column for plumbing use and AC/R O.D. Size column for air conditioning and refrigeration. C = Female Solder Cup; FTG = Male Solder End; F = Female NPT Thread; M = Male NPT Thread

FEMALE ADAPTER - C X F



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
1/4 x 1/4	1/8 x 1/4	E 58000
3/8 x 1/4	1/4 x 1/4	E 58001
1/2 x 1/2	3/8 x 1/2	E 58002
1/2 x 3/8	3/8 x 3/8	E 58003
1/2 x 1/4	3/8 x 1/4	E 58004
5/8 x 3/4	1/2 x 3/4	E 58005
5/8 x 1/2	1/2 x 1/2	E 58006
5/8 x 3/8	1/2 x 3/8	E 58007
5/8 x 1/4	1/2 x 1/4	E 58008
7/8 x 1"	3/4 x 1"	B 58011
7/8 x 3/4	3/4 x 3/4	B 58012
7/8 x 1/2	3/4 x 1/2	B 58013
1-1/8 x 1-1/4	1 x 1-1/4	B 58014
1-1/8 x 1"	1" x 1"	B 58015
1-1/8 x 3/4	1" x 3/4	B 58016
1-1/8 x 1/2	1" x 1/2	B 58017
1-3/8 x 1-1/2	1-1/4 x 1-1/2	A 58018
1-3/8 x 1-1/4	1-1/4 x 1-1/4	A 58019
1-3/8 x 1"	1-1/4 x 1"	A 58020
1-5/8 x 2"	1-1/2 x 2"	A 58021
1-5/8 x 1-1/2	1-1/2 x 1-1/2	A 58022
1-5/8 x 1-1/4	1-1/2 x 1-1/4	A 58023
2-1/8 x 2"	2" x 2"	A 58024

MALE ADAPTER - C X M



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
3/8 x 1/4	1/4 x 1/4	B 58036
1/2 x 3/4	3/8 x 3/4	B 58037
1/2 x 1/2	3/8 x 1/2	B 58038
1/2 x 3/8	3/8 x 3/8	B 58039
5/8 x 1"	1/2 x 1"	B 58040
5/8 x 3/4	1/2 x 3/4	B 58041
5/8 x 1/2	1/2 x 1/2	B 58042
5/8 x 3/8	1/2 x 3/8	B 58043
5/8 x 1/4	1/2 x 1/4	B 58044
7/8 x 1"	3/4 x 1"	B 58047
7/8 x 3/4	3/4 x 3/4	B 58048
7/8 x 1/2	3/4 x 1/2	B 58049
1-1/8 x 1-1/2	1" x 1-1/2	B 58050
1-1/8 x 1-1/4	1" x 1-1/4	B 58051
1-1/8 x 1"	1" x 1"	B 58052
1-1/8 x 3/4	1" x 3/4	B 58053
1-1/8 x 1/2	1" x 1/2	B 58054
1-3/8 x 1-1/2	1-1/4 x 1-1/2	B 58055
1-3/8 x 1-1/4	1-1/4 x 1-1/4	B 58056
1-3/8 x 1"	1-1/4 x 1"	B 58057
1-5/8 x 2"	1-1/2 x 2"	A 58058
1-5/8 x 1-1/2	1-1/2 x 1-1/2	A 58059
1-5/8 x 1-1/4	1-1/2 x 1-1/4	A 58060
1-5/8 x 1"	1-1/2 x 1"	A 58061
2-1/8 x 2"	2" x 2"	A 58062
2-1/8 x 1-1/2	2" x 1-1/2	A 58063

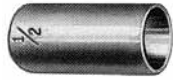
BUSHING - FTG X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
3/8 x 1/4	1/4 x 1/8	I 58072	7/8 x 5/8	3/4 x 1/2	E 58078
1/2 x 3/8	3/8 x 1/4	I 58073	7/8 x 1/2	3/4 x 3/8	E 58079
5/8 x 1/2	1/2 x 3/8	I 58074	1-1/8 x 7/8	1" x 3/4	E 58080
5/8 x 3/8	1/2 x 1/4	I 58075	1-1/8 x 5/8	1" x 1/2	E 58081

WROT COPPER FITTINGS (Cont'd.)

COUPLING WITHOUT STOP - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8	1/4	I	58082
1/2	3/8	I	58083
5/8	1/2	I	58084
7/8	3/4	I	58086
1-1/8	1"	E	58087
1-3/8	1-1/4	E	58088
1-5/8	1-1/2	B	58089
2-1/8	2"	B	58090

COUPLING WITH STOP - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
1/8	-	L	58091
3/16	-	L	58092
1/4	1/8	L	58093
5/16	3/16	L	58094
3/8	1/4	L	58095
1/2	3/8	L	58096
5/8	1/2	L	58097
7/8	3/4	I	58099
1-1/8	1"	I	58101
1-3/8	1-1/4	E	58102
1-5/8	1-1/2	E	58103
2-1/8	2"	B	58104

RED COUPLING - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8 x 1/4	1/4 x 1/8	E	58108
1/2 x 3/8	3/8 x 1/4	I	58109
5/8 x 1/2	1/2 x 3/8	I	58112
5/8 x 3/8	1/2 x 1/4	I	58113
7/8 x 3/4	3/4 x 5/8	E	58118
7/8 x 5/8	3/4 x 1/2	E	58119
7/8 x 1/2	3/4 x 3/8	E	58120
1-1/8 x 7/8	1" x 3/4	E	58122
1-1/8 x 3/4	1" x 5/8	E	58123
1-3/8 x 1-1/8	1-1/4 x 1"	B	58126
1-3/8 x 7/8	1-1/4 x 3/4	B	58127
1-5/8 x 1-3/8	1-1/2 x 1-1/4	B	58129
1-5/8 x 1-1/8	1-1/2 x 1"	B	58130
2-1/8 x 1-5/8	2" x 1-1/2	A	58133
2-1/8 x 1-3/8	2" x 1-1/4	A	58134

REDUCER - FTG X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8 x 1/4	1/4 x 1/8	I	58138
1/2 x 3/8	3/8 x 1/4	I	58139
5/8 x 1/2	1/2 x 3/8	I	58141
5/8 x 3/8	1/2 x 1/4	I	58142
3/4 x 5/8	5/8 x 1/2	E	58143
7/8 x 3/4	3/4 x 5/8	E	58146
7/8 x 5/8	3/4 x 1/2	E	58147
1-1/8 x 7/8	1" x 3/4	E	58150
1-1/8 x 5/8	1" x 1/2	E	58152
1-3/8 x 1-1/8	1-1/4 x 1"	B	58154
1-5/8 x 1-3/8	1-1/2 x 1-1/4	B	58157
1-5/8 x 1-1/8	1-1/2 x 1"	B	58158
2-1/8 x 1-5/8	2" x 1-1/2	A	58161
2-1/8 x 1-3/8	2" x 1-1/4	A	58162

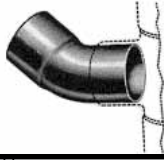
45 DEGREE ELBOW - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART		AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART		AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
1/4	1/8	E	58166	5/8	1/2	E	58169	1-3/8	1-1/4	B	58173
3/8	1/4	E	58167	7/8	3/4	E	58171	1-5/8	1-1/2	B	58174
1/2	3/8	E	58168	1-1/8	1"	B	58172	2-1/8	2"	B	58175

WROT COPPER FITTINGS (Cont'd.)

45 DEGREE ELBOW - FTG X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8	1/4	I	58176
1/2	3/8	E	58177
5/8	1/2	I	58178
7/8	3/4	E	58180
1-1/8	1"	B	58181
1-3/8	1-1/4	B	58182
1-5/8	1-1/2	B	58183
2-1/8	2"	A	58184

90 DEGREE ELBOW - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
1/4	1/8	I	58185
3/8	1/4	I	58186
1/2	3/8	I	58187
5/8	1/2	I	58188
7/8	3/4	E	58190
1-1/8	1"	B	58191
1-3/8	1-1/4	B	58192
1-5/8	1-1/2	B	58193
2-1/8	2"	A	58194

90 DEGREE ELBOW - FTG X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8	1/4	E	58195
1/2	3/8	E	58196
5/8	1/2	E	58197
3/4	5/8	E	58198
7/8	3/4	E	58199
1-1/8	1"	B	58200
1-3/8	1-1/4	B	58201
1-5/8	1-1/2	B	58202
2-1/8	2"	A	58203

90 DEGREE LONG TURN ELBOW - C X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
1/4	1/8	E	58205
5/16	3/16	E	58206
3/8	1/4	E	58207
1/2	3/8	E	58208
5/8	1/2	E	58209
3/4	5/8	E	58210
7/8	3/4	E	58211
1-1/8	1"	B	58212
1-3/8	1-1/4	B	58213
1-5/8	1-1/2	A	58214
2-1/8	2"	A	58215

90 DEGREE LONG TURN ELBOW - FTG X C



AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
1/4	1/8	E	58216
3/8	1/4	E	58217
1/2	3/8	E	58218
5/8	1/2	E	58219
3/4	5/8	B	58220
7/8	3/4	B	58221
1-1/8	1"	B	58222
1-3/8	1-1/4	A	58223
1-5/8	1-1/2	A	58224
2-1/8	2"	A	58225


UNION - C X C





AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART	
3/8	1/4	B	58365
1/2	3/8	B	58366
5/8	1/2	B	58367
7/8	3/4	B	58368
1-1/8	1"	A	58369
1-3/8	1-1/4	A	58370*
1-5/8	1-1/2	A	58371*
2-1/8	2"	A	58372*

*CAST

WROT COPPER FITTINGS (Cont'd.)

TEE - C X C X C		
		
AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
1/4	1/8	E 58229
3/8	1/4	E 58238
3/8 x 3/8 x 1/4	1/4 x 1/4 x 1/8	B 58241
1/2	3/8	E 58246
1/2 x 1/2 x 3/8	3/8 x 3/8 x 1/4	B 58248
1/2 x 1/2 x 1/4	3/8 x 3/8 x 1/8	B 58250
5/8	1/2	E 58254
5/8 x 5/8 x 7/8	1/2 x 1/2 x 3/4	B 58256
5/8 x 5/8 x 1/2	1/2 x 1/2 x 3/8	B 58257
5/8 x 5/8 x 3/8	1/2 x 1/2 x 1/4	B 58258
3/4	5/8	B 58264
3/4 x 3/4 x 7/8	5/8 x 5/8 x 3/4	B 58265
7/8	3/4	E 58269
7/8 x 7/8 x 5/8	3/4 x 3/4 x 1/2	B 58272
7/8 x 5/8 x 7/8	3/4 x 1/2 x 3/4	B 58277
7/8 x 5/8 x 5/8	3/4 x 1/2 x 1/2	B 58278
1-1/8	1"	A 58282
1-1/8 x 1-1/8 x 7/8	1" x 1" x 3/4	A 58285
1-1/8 x 1-1/8 x 5/8	1" x 1" x 1/2	A 58287
1-1/8 x 7/8 x 1-1/8	1" x 3/4 x 1"	A 58290
1-1/8 x 7/8 x 7/8	1" x 3/4 x 3/4	A 58291
1-1/8 x 5/8 x 7/8	1" x 1/2 x 3/4	A 58294
1-1/8 x 5/8 x 5/8	1" x 1/2 x 1/2	A 58295
1-3/8	1-1/4	A 58296
1-3/8 x 1-3/8 x 1-1/8	1-1/4 x 1-1/4 x 1"	A 58299
1-3/8 x 1-3/8 x 7/8	1-1/4 x 1-1/4 x 3/4	A 58300
1-3/8 x 1-1/8 x 1-3/8	1-1/4 x 1" x 1-1/4	A 58303
1-3/8 x 1-1/8 x 1-1/8	1-1/4 x 1" x 1"	A 58304
1-3/8 x 7/8 x 7/8	1-1/4 x 3/4 x 3/4	A 58309
1-3/8 x 7/8 x 5/8	1-1/4 x 3/4 x 1/2	A 58310
1-5/8	1-1/2	A 58312
1-5/8 x 1-5/8 x 1-3/8	1-1/2 x 1-1/2 x 1-1/4	A 58314
1-5/8 x 1-5/8 x 1-1/8	1-1/2 x 1-1/2 x 1"	A 58315
1-5/8 x 1-5/8 x 7/8	1-1/2 x 1-1/2 x 3/4	A 58316
2-1/8	2"	A 58333
2-1/8 x 2-1/8 x 1-5/8	2" x 2" x 1-1/2	A 58335
2-1/8 x 2-1/8 x 1-3/8	2" x 2" x 1-1/4	A 58336
2-1/8 x 2-1/8 x 1-1/8	2" x 2" x 1"	A 58337
2-1/8 x 2-1/8 x 7/8	2" x 2" x 3/4	A 58338

TUBE CAP - C		
		
AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
1/4	1/8	N 58354
3/8	1/4	N 58355
1/2	3/8	N 58356
5/8	1/2	N 58357
7/8	3/4	I 58359
1-1/8	1"	I 58360
1-3/8	1-1/4	I 58361
1-5/8	1-1/2	E 58362
2-1/8	2"	B 58363

RETURN BEND - C X C		
		
AC/R O.D. SIZES	NOMINAL I.D. PIPE SIZES	PART
1/4	1/8	E 58373
3/8	1/4	E 58374
1/2	3/8	E 58375
5/8	1/2	B 58376
7/8	3/4	B 58377
1-1/8	1"	A 58378
1-3/8	1-1/4	A 58379
1-5/8	1-1/2	A 58380
2-1/8	2"	A 58381

PUSH FITTINGS - COPPER/PUSH-IN



Features

- For ½" to 1" diameter potable water systems
- Push fittings provide plumbing system design flexibility by allowing you to join Copper, CPVC or PEX lines with just one fitting.
- The fittings simply push together in seconds to create a perfect joint.
- No torches and no solder are required.
- They are designed to join lines from ½" to 1", meet a wide variety of plumbing codes and can be used in potable water, hot water heating, chilled water and compressed air systems.

Benefits

- Push fit
- Tool free
- Permanent fitting
- "Two step" cup design with closed face for across the "O-ring" support
- Deep cup offers deflection protection
- True "O-ring" design for leak free seals
- Pre-lubed for quick installation
- Approved for underground installations



Typical Fluid Applications

- Potable water
- Potable water system flushing chemicals
- Chilled water with corrosion inhibitors
- Hydronic heating
- Rainwater/greywater



Material Compatibility

- Push fittings are designed to operate at temperatures from 0° to 250°F and a maximum working pressure of 200 psi.
- Designed for use with ASTM B88 hard drawn and annealed Copper tube, type K, L, or M, in the ½" to 1" size range.
- For CPVC and PEX water tube per ASTM D2846/2846M.





PUSH FITTINGS - COPPER/PUSH-IN (Cont'd.)

COUPLING WITH STOP - C X C



DIAMETER		PART
1/2"	B	51170
3/4"	B	51171
1"	E	51172

45° ELBOW - C X C

DIAMETER		PART
1/2"	B	51182
3/4"	B	51183
1"	E	51184

REDUCER COUPLING - C X C



DIAMETER 1	DIAMETER 2		PART
3/4"	1/2"	B	51173
1"	1/2"	I	51174
1"	3/4"	I	51175

45° STREET ELBOW - FTG X C





DIAMETER		PART
1/2"	I	51185
3/4"	I	51186
1"	E	51187

FEMALE ADAPTER - C X F



DIAMETER		PART
1/2"	B	51176
3/4"	B	51177
1"	E	51178

90° ELBOW - C X C

DIAMETER		PART
1/2"	B	51188
3/4"	B	51189
1"	E	51190

MALE ADAPTER - C X M

DIAMETER		PART
1/2"	B	51179
3/4"	B	51180
1"	E	51181

90° STREET ELBOW - FTG X C






DIAMETER		PART
1/2"	B	51191
3/4"	B	51192
1"	I	51193

Part Numbers in bold italic are non-stock items. Please allow 2-3 weeks for delivery.



PUSH FITTINGS - COPPER/PUSH-IN (Cont'd.)

90° FEMALE ELBOW - C X F NPT

DIAMETER		PART
1/2"	E	51194
3/4"	E	51195
1"	E	51196

TUBE CAP - C


DIAMETER		PART
1/2"	B	51207
3/4"	B	51208
1"	E	51209

90° FEMALE DROP EAR ELBOW - C X F NPT




DIAMETER		PART
1/2"	I	51197

DUBURRING TOOL




DIAMETER		PART
1/2"	A	51210

90° MALE DROP EAR ELBOW - C X M NPT



DIAMETER		PART
1/2"	I	51198
3/4"	E	51199
1"	E	51200



PEX LINER



SOLD IN BAGS OF FIVE PIECES

DIAMETER		PART
1/2"	A	51211
3/4"	A	51212
1"	A	51213

TEE FITTING - C X C X C

DIAMETER		PART
1/2" x 1/2" x 1/2"	B	51201
3/4" x 3/4" x 3/4"	B	51202
3/4" x 3/4" x 1/2"	B	51203
1" x 1" x 1"	E	51204
1" x 1" x 1/2"	E	51205
1" x 1" x 3/4"	E	51206

Part Numbers in bold italic are non-stock items. Please allow 2-3 weeks for delivery.

PRESS FITTINGS - COPPER/PRESS-FIT



Features

- For 1/2" to 4" diameter potable water systems
- Combines all the known advantages of copper with clean, rapid, heat-free joining technology.
- Press Fittings achieve a sound joint through the exertion of pressure from a press-fit tool.
- A purpose designed O-ring provides the mechanism by which a perfect seal is created.
- Ensuring that the tube is fully inserted into the fitting, the jaws of the press-fit tool are placed around the collar of the fitting, which contains an EPDM O-ring.
- With the jaws at a 90° angle to the fitting, the press-fit tool is activated and the jaws compress the O-ring tightly onto the tube creating a strong and reliable joint.

Benefits

- Leak-free joints utilizing press-fit technology
- HEAT FREE - Reduces fire hazard
- The heat-free principle of the joining process is one of the major benefits, removing the need to obtain "Hot Work" permits, which can have costly insurance implications
- Eliminates the potential of flame damage
- No glues, fluxes or solder needed
- No consumable materials - reduces material cost and storage
- Fast and simple - easy installation
- Reduce installation time by 1/3
- Connect in under 8 seconds
- Approved for underground installations

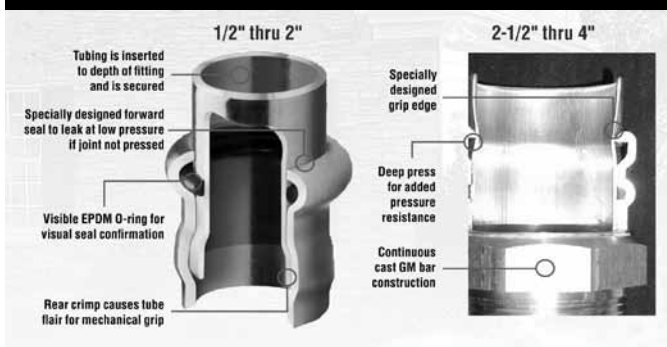


Typical Fluid Applications



- Potable water
- Potable water system flushing chemicals
- Chilled water with corrosion inhibitors
- Hydronic heating
- Rainwater/greywater



Material Compatibility


- Designed to operate at temperatures from 0° to 250°F
- Maximum working pressure of 200 psi
- For use with ASTM B88 hard drawn and annealed Copper tube, type K, L, or M, in the 1/2" to 4" size range



PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

COUPLING WITH STOP - C X C		
 		
DIAMETER		PART
1/2"	B	51214
3/4"	B	51215
1"	B	51216
1-1/4"	A	51217
1-1/2"	A	51218
2"	A	51219
2-1/2"	A	51220
3"	A	51221
4"	A	51222

COUPLING WITHOUT STOP - C X C		
 		
DIAMETER		PART
1/2"	B	51223
3/4"	B	51224
1"	B	51225
1-1/4"	A	51226
1-1/2"	A	51227
2"	A	51228
2-1/2"	A	51229
3"	A	51230
4"	A	51231

REDUCER COUPLERS - C X C		
		
DIAMETER		PART
3/4" x 1/2"	B	51232
1" x 1/2"	I	51233
1" x 3/4"	B	51234
1-1/4" x 1/2"	A	51235
1-1/4" x 3/4"	A	51236
1-1/4" x 1"	A	51237
1-1/2" x 1/2"	A	51238
1-1/2" x 3/4"	A	51239
1-1/2" x 1"	A	51240
1-1/2" x 1-1/4"	A	51241
2" x 1/2"	A	51242
2" x 3/4"	A	51243
2" x 1"	A	51244
2" x 1-1/4"	A	51245
2" x 1-1/2"	A	51246
2-1/2" x 1"	A	51247
2-1/2" x 1-1/4"	A	51248
2-1/2" x 1-1/2"	A	51249
2-1/2" x 2"	A	51250
3" x 3/4"	A	51251
3" x 2"	A	51252
3" x 2-1/2"	A	51253
4" x 2"	A	51254
4" x 2-1/2"	A	51255
4" x 3"	A	51256

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

29 Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

COUPLER FEMALE ADAPTER - C X F



DIAMETER		PART
1/2" x 1/2"	B	51257
3/4" x 3/4"	B	51258
1" x 1"	B	51259
1-1/4" x 1-1/4"	A	51260
1-1/2" x 1-1/2"	A	51261
2" x 2"	A	51262
1/2" x 3/8"	I	51263
1/2" x 3/4"	I	51264
3/4" x 1/2"	I	51265
1" x 1/2"	E	51266
1" x 3/4"	E	51267
1" x 1-1/4"	E	51268
1-1/4" x 1"	A	51269
1-1/4" x 1-1/2"	A	51270
1-1/2" x 3/4"	A	51271
1-1/2" x 1-1/4"	A	51272

COUPLER MALE ADAPTER - C X M



DIAMETER		PART
1/2" x 1/2"	B	51282
3/4" x 3/4"	B	51283
1" x 1"	B	51284
1-1/4" x 1-1/4"	A	51285
1-1/2" x 1-1/2"	A	51286
2" x 2"	A	51287
2-1/2" x 2-1/2"	A	51288
3" x 3"	A	51289
4" x 4"	A	51290
1/2" x 3/8"	E	51291
1/2" x 3/4"	I	51292
3/4" x 1/2"	I	51293
1" x 3/4"	E	51294
1" x 1-1/4"	E	51295
1-1/4" x 1"	A	51296
1-1/4" x 1-1/2"	A	51297
1-1/2" x 1-1/4"	A	51298

FEMALE STREET ADAPTER - FTG X F



DIAMETER		PART
1/2" x 1/2"	I	51273
3/4" x 3/4"	I	51274
1" x 1"	I	51275
1-1/4" x 1-1/4"	A	51276
1-1/2" x 1-1/2"	A	51277
2" x 2"	A	51278
1-2" x 3/8"	E	51279
1/2" x 3/4"	E	51280
3/4" x 1/2"	E	51281

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.



MALE STREET ADAPTER - FTG X M






DIAMETER		PART
1/2"	I	51299
3/4"	I	51300
1"	I	51301
1-1/4"	A	51302
1-1/2"	A	51303
2"	A	51304
1/2" x 3/8"	E	51305
1/2" x 3/4"	E	51306
3/4" x 1/2"	E	51307


Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.


PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

45° ELBOW - C X C		
		
DIAMETER		PART
1/2"	B	51308
3/4"	B	51309
1"	B	51310
1-1/4"	A	51311
1-1/2"	A	51312
2"	A	51313
2-1/2"	A	51314
3"	A	51315
4"	A	51316

90° ELBOW - C X C		
		
DIAMETER		PART
1/2"	B	51326
3/4"	B	51327
1"	B	51328
1" x 3/4"	A	51329
1-1/4"	A	51330
1-1/2"	A	51331
2"	A	51332
2-1/2"	A	51333
3"	A	51334
3" x 2"	A	51335
3" x 2-1/2"	A	51336
4"	A	51337



45° STREET ELBOW - FTG X C		
		
DIAMETER		PART
1/2"	I	51317
3/4"	I	51318
1"	E	51319
1-1/4"	A	51320
1-1/2"	A	51321
2"	A	51322
2-1/2"	A	51323
3"	A	51324
4"	A	51325



90° STREET ELBOW - FTG X C		
		
DIAMETER		PART
1/2"	I	51338
3/4"	I	51339
1"	I	51340
1-1/4"	A	51341
1-1/2"	A	51342
2"	A	51343
2-1/2"	A	51344
3"	A	51345
4"	A	51346

BALL VALVE		
		
DIAMETER		PART
1/2"	A	51347
3/4"	A	51348
1"	A	51349

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

TEE FITTINGS - C X C X C		
 		
DIAMETER	PART	
1/2"	B	51350
3/4"	B	51351
1"	B	51352
1-1/4"	A	51353
1-1/2"	A	51354
2"	A	51355
2-1/2"	A	51356
3"	A	51357
4"	A	51358
1/2" x 1/2" x 1"	B	51359
1/2" x 1/2" x 3/4"	E	51360
3/4" x 1/2" x 3/4"	E	51361
3/4" x 3/4" x 1/2"	B	51362
3/4" x 1/2" x 1/2"	E	51363
3/4" x 3/4" x 1"	B	51364
1" x 3/4" x 1/2"	B	51365
1" x 3/4" x 3/4"	B	51366
1" x 3/4" x 1"	B	51367
1" x 1/2" x 1"	B	51368
1" x 1/2" x 1/2"	A	51369
1" x 1/2" x 3/4"	B	51370
1" x 3/4" x 1/2"	B	51371
1" x 3/4" x 3/4"	B	51372
1" x 3/4" x 1-1/4"	A	51373
1" x 1" x 1/2"	E	51374
1" x 1" x 3/4"	E	51375
1" x 1" x 1-1/4"	A	51376
1" x 1" x 2"	A	51377
1-1/4" x 1/2" x 1"	A	51378
1-1/4" x 1/2" x 1-1/4"	A	51379
1-1/4" x 3/4" x 1/2"	A	51380
1-1/4" x 3/4" x 3/4"	A	51381
1-1/4" x 3/4" x 1"	A	51382
1-1/4" x 3/4" x 1-1/4"	A	51383
1-1/4" x 3/4" x 1-1/2"	A	51384
1-1/4" x 1" x 1/2"	A	51385
1-1/4" x 1" x 3/4"	A	51386
1-1/4" x 1" x 1"	A	51387
1-1/4" x 1" x 1-1/4"	A	51388
1-1/4" x 1" x 1-1/2"	A	51389
1-1/4" x 1-1/4" x 1/2"	A	51390
1-1/4" x 1-1/4" x 3/4"	A	51391
1-1/4" x 1-1/4" x 1"	A	51392
1-1/4" x 1-1/4" x 2"	A	51393
1-1/2" x 1/2" x 1-1/4"	A	51394
1-1/2" x 1/2" x 1-1/2"	A	51395

TEE FITTINGS - C X C X C		
 		
DIAMETER	PART	
1-1/2" x 3/4" x 3/4"	A	51396
1-1/2" x 3/4" x 1"	A	51397
1-1/2" x 3/4" x 1-1/4"	A	51398
1-1/2" x 3/4" x 1-1/2"	A	51399
1-1/2" x 3/4" x 2"	A	51400
1-1/2" x 1" x 3/4"	A	51401
1-1/2" x 1" x 1"	A	51402
1-1/2" x 1" x 1-1/4"	A	51403
1-1/2" x 1" x 1-1/2"	A	51404
1-1/2" x 1" x 2"	A	51405
1-1/2" x 1-1/4" x 1/2"	A	51406
1-1/2" x 1-1/4" x 3/4"	A	51407
1-1/2" x 1-1/4" x 1"	A	51408
1-1/2" x 1-1/4" x 1-1/4"	A	51409
1-1/2" x 1-1/4" x 2"	A	51410
1-1/2" x 1-1/4" x 1-1/4"	A	51411
1-1/2" x 1-1/4" x 1-1/2"	A	51412
1-1/2" x 1-1/2" x 1/2"	A	51413
1-1/2" x 1-1/2" x 3/4"	A	51414
1-1/2" x 1-1/2" x 1"	A	51415
1-1/2" x 1-1/2" x 1-1/4"	A	51416
1-1/2" x 1-1/2" x 2"	A	51417
1-1/2" x 1-1/2" x 3"	A	51418
2" x 1/2" x 2"	A	51419
2" x 3/4" x 3/4"	A	51420
2" x 3/4" x 2"	A	51421
2" x 1" x 1/2"	A	51422
2" x 1" x 1"	A	51423
2" x 1" x 1-1/4"	A	51424
2" x 1" x 2"	A	51425
2" x 1-1/4" x 3/4"	A	51426
2" x 1-1/4" x 1"	A	51427
2" x 1-1/4" x 1-1/4"	A	51428
2" x 1-1/4" x 1-1/2"	A	51429
2" x 1-1/4" x 2"	A	51430
2" x 1-1/2" x 1/2"	A	51431
2" x 1-1/2" x 1-1/2"	A	51432
2" x 1-1/2" x 3/4"	A	51433
2" x 1-1/2" x 1"	A	51434
2" x 1-1/2" x 1-1/4"	A	51435
2" x 1-1/2" x 2"	A	51436
2" x 1-1/2" x 2-1/2"	A	51437
2" x 2" x 1/2"	A	51438
2" x 2" x 3/4"	A	51439
2" x 2" x 1"	A	51440
2" x 2" x 1-1/4"	A	51441

Part Numbers in bold italic are non-stock items. Please allow 2-3 weeks for delivery.

PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

TEE FITTINGS - C X C X C



DIAMETER		PART
2" x 2" x 1-1/2"	A	51442
2" x 2" x 3"	A	51443
2-1/2" x 3/4" x 2"	A	51444
2-1/2" x 1" x 2"	A	51445
2-1/2" x 1" x 2-1/2"	A	51446
2-1/2" x 1-1/4" x 2-1/2"	A	51447
2-1/2" x 1-1/2" x 1-1/2"	A	51448
2-1/2" x 1-1/2" x 2"	A	51449
2-1/2" x 1-1/2" x 2-1/2"	A	51450
2-1/2" x 2" x 1"	A	51451
2-1/2" x 2" x 1-1/2"	A	51452
2-1/2" x 2" x 2"	A	51453
2-1/2" x 2" x 2-1/2"	A	51454
2-1/2" x 2" x 3"	A	51455
2-1/2" x 2-1/2" x 1/2"	A	51456
2-1/2" x 2-1/2" x 3/4"	A	51457
2-1/2" x 2-1/2" x 1"	A	51458
2-1/2" x 2-1/2" x 1-1/4"	A	51459
2-1/2" x 2-1/2" x 1-1/2"	A	51460
2-1/2" x 2-1/2" x 2"	A	51461
2-1/2" x 2-1/2" x 3"	A	51462
2-1/2" x 2-1/2" x 4"	A	51463
3" x 3/4" x 2-1/2"	A	51464
3" x 1" x 2-1/2"	A	51465
3" x 2" x 2"	A	51466
3" x 2" x 3"	A	51467
3" x 2-1/2" x 2"	A	51468
3" x 2-1/2" x 2-1/2"	A	51469
3" x 3" x 3/4"	A	51470
3" x 3" x 1"	A	51471
3" x 3" x 1-1/4"	A	51472
3" x 3" x 1-1/2"	A	51473
3" x 3" x 2"	A	51474
3" x 3" x 2-1/2"	A	51475
4" x 1-1/2" x 3"	A	51476
4" x 2" x 4"	A	51477
4" x 3" x 1-1/2"	A	51478
4" x 3" x 2"	A	51479
4" x 3" x 2-1/2"	A	51480
4" x 4" x 1/2"	A	51481
4" x 4" x 3/4"	A	51482
4" x 4" x 1"	A	51483
4" x 4" x 1-1/4"	A	51484
4" x 4" x 1-1/2"	A	51485
4" x 4" x 2"	A	51486
4" x 4" x 2-1/2"	A	51487
4" x 4" x 3"	A	51488

TUBE CAP - C



DIAMETER		PART
1/2"	B	51489
3/4"	B	51490
1"	B	51491
1-1/4"	A	51492
1-1/2"	A	51493
2"	A	51494
2-1/2"	A	51495
3"	A	51496
4"	A	51497

FITTING REDUCER - FTG X C





DIAMETER		PART
3/4" x 1/2"	I	51498
1" x 1/2"	I	51499
1" x 3/4"	I	51500
1-1/4" x 1/2"	E	51501
1-1/4" x 3/4"	E	51502
1-1/4" x 1"	E	51503
1-1/2" x 1/2"	A	51504
1-1/2" x 3/4"	A	51505
1-1/2" x 1"	A	51506
1-1/2" x 1-1/4"	A	51507
2" x 1/2"	A	51508
2" x 3/4"	A	51509
2" x 1"	A	51510
2" x 1-1/4"	A	51511
2" x 1-1/2"	A	51512
2-1/2" x 1-1/2"	A	51513
2-1/2" x 2"	A	51514
3" x 1-1/2"	A	51515
3" x 2"	A	51516
3" x 2-1/2"	A	51517
4" x 2"	A	51518
4" x 2-1/2"	A	51519
4" x 3"	A	51520

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

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PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)


CROSS OVER COUPLERS		
		
DIAMETER		PART
1/2"	I	51521
3/4"	E	51522

90° FEMALE ELBOW - C X F		
		
DIAMETER		PART
1/2"	E	51523
3/4"	E	51524
1"	E	51525
1-1/4" x 1-1/4"	A	51526
1-1/2" x 1-1/2"	A	51527
2"	A	51528
1/2" x 3/4"	E	51529
3/4" x 1/2"	E	51530

90° DROP EAR ELBOW - C X F		
		
DIAMETER		PART
1/2"	I	51531
3/4"	E	51532


Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.


90° MALE ELBOW - C X M		
		
DIAMETER		PART
1/2"	I	51533
3/4"	E	51534
1"	E	51535
1-1/4" x 1-1/4"	A	51536
1-1/2" x 1-1/2"	A	51537
2"	A	51538
1/2" x 3/4"	E	51539
3/4" x 1/2"	E	51540


FEMALE TEE FITTINGS - C X C X F		
		
DIAMETER		PART
1/2" x 1/2" x 1/2"	E	51541
3/4" x 3/4" x 1/2"	E	51542
1" x 1" x 3/4"	E	51543
1" x 1" x 1/2"	B	51544
1-1/4" x 1-1/4" x 3/4"	A	51545
1-1/4" x 1-1/4" x 1/2"	A	51546
1-1/2" x 1-1/2" x 3/4"	A	51547
1-1/2" x 1-1/2" x 1/2"	A	51548
2" x 2" x 1/2"	A	51549
2" x 2" x 3/4"	A	51550
2-1/2" x 2-1/2" x 2"	A	51551
2-1/2" x 2-1/2" x 3/4"	A	51552
3" x 3" x 3/4"	A	51553
3" x 3" x 2"	A	51554
4" x 4" x 3/4"	A	51555
4" x 4" x 2"	A	51556


Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)


UNION - C X C		
		
DIAMETER		PART
1/2"	E	51557
3/4"	E	51558
1"	E	51559
1-1/4"	A	51560
1-1/2"	A	51561
2"	A	51562

125 CLASS COMPANION FLANGE		
		
DIAMETER		PART
2"	A	51575
2-1/2"	A	51576
3"	A	51577
4"	A	51578

FEMALE UNION - C X F		
		
DIAMETER		PART
1/2"	E	51563
3/4"	E	51564
1"	E	51565
1-1/4"	A	51566
1-1/2"	A	51567
2"	A	51568


TEE FITTINGS - C X C X C		
		
DIAMETER		PART
3/4" x 3/4" x 1/2"	A	51579
1" x 1" x 1/2"	A	51580
1" x 1" x 3/4"	A	51581
1-1/4" x 1-1/4" x 1/2"	A	51582
1-1/4" x 1-1/4" x 3/4"	A	51583
1-1/4" x 1-1/4" x 1"	A	51584
1-1/2" x 1-1/2" x 3/4"	A	51585
1-1/2" x 1-1/2" x 1"	A	51586
2" x 2" x 3/4"	A	51587
2" x 2" x 1"	A	51588

*Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.*


MALE UNION - C X M		
		
DIAMETER		PART
1/2"	E	51569
3/4"	E	51570
1"	E	51571
1-1/4"	A	51572
1-1/2"	A	51573
2"	A	51574

*Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.*


PRESS FITTINGS - COPPER/PRESS-FIT (Cont'd.)

O-RING REPLACEMENT PACKS			
			
DIAMETER	PACKAGE QTY.	PART	
1/2"	15/Bag	K	51589
3/4"	15/Bag	K	51590
1"	10/Bag	I	51591
1-1/4"	10/Bag	I	51592
1-1/2"	10/Bag	I	51593
2"	5/Bag	E	51594
2-1/2"	5/Bag	E	51595
3"	5/Bag	E	51596
4"	5/Bag	E	51597

REMS AKKU-PRESS BASIC PACK		
<ul style="list-style-type: none"> • Cordless radial press with automatic circuit control • For producing pipe pressing joints for all common press fitting systems • Pressing joints Ø 3/8"- 4" / 10-108 mm • Secure crimping in seconds • Optimum weight distribution for single-hand operation • Automatic locking of pressing tongs • Universal • Handy • Rechargeable battery pack (included) 		
		
DESCRIPTION	PART	
Electric Pressing Tool	A	9-571011
Battery Pack "Rechargeable"	A	9-571510

INSERTION DEPTH GAUGE		
		
		PART
-	A	51598

PRESSING TONGS		
<ul style="list-style-type: none"> • Forged and specially hardened, high-strength steel • High compression pressing tongs • Pressing forces of up to 100 kN (10 t) • Specific pressing contour is precisely machined • Manufacturing process guarantees that the machined pressing contour will be transferred correctly to the pressing joint with a long service life • Machined to the highest quality standards • Perfect system-conformity • Secure pressing joints 		
		
DESCRIPTION	PART	
1/2" Pressing Tong	A	9-571770
3/4" Pressing Tong	A	9-571775
1" Pressing Tong	A	9-571780
1-1/4" Pressing Tong	A	9-571785
1-1/2" Pressing Tong	A	9-571790
2" Pressing Tong	A	9-571795

DEBURRING TOOL		
		
		PART
-	A	51599

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

XL PRESS TONGS KIT		
XL Ring Kit with: <ul style="list-style-type: none"> • 2-1/2", 3", 4" Crimp Rings • Ring Actuator • Carrying Case 		
		
DESCRIPTION	PART	
XL Press Tongs Kit	A	9-R93667

REMOVABLE FITTINGS - COPPER/PUSH-IN



Features

- For ½" to 1" diameter potable water systems
- Heat free method for joining Copper, CPVC and PEX tube
- The fittings simply push together in seconds to create a perfect joint; they are designed to save time and money on installations
- No torches and no solder are required
- Requires no extra materials beyond the fitting for Copper and CPVC tube installations
- For PEX tube installations, the use of the included tube liner is required
- The use of solder, flux, heat or special pressing tools is eliminated

Benefits

- Push fit
- Tool free
- Ideal for service and repair
- Demounting sleeve acts as a guide assuring straight insertion
- True "O-ring" design for leak free seals
- Pre-lubed for quick installation
- Approved for underground installations



Typical Fluid Applications



- Potable water
- Potable water system flushing chemicals
- Chilled water with corrosion inhibitors
- Hydronic heating
- Rainwater/greywater


Material Compatibility



- Push fittings are designed to operate at temperatures from 0° to 250°F and a maximum working pressure of 200 psi.
- Designed for use with ASTM B88 hard drawn and annealed Copper tube, type K, L, or M, in the ½" to 1" size range.
- For CPVC tube per ASTM D2846/2846M and PEX tube per ASTM F876/F877.






REMOVABLE FITTINGS - COPPER/PUSH-IN



COUPLING WITH STOP - C X C		
		
DIAMETER		PART
1/2"	B	51600
3/4"	B	51601
1"	B	51602
1-1/4"	A	51603
1-1/2"	A	51604
2"	A	51605



45° ELBOW - C X C		
		
DIAMETER		PART
1-1/4"	A	51621
1-1/2"	A	51622
2"	A	51623


REDUCER COUPLING - C X C		
		
DIAMETER 1	DIAMETER 2	PART
3/4"	1/2"	B 51606
1"	3/4"	E 51607

45° STREET ELBOW - FTG X C		
		
DIAMETER		PART
1-1/4"	A	51624
1-1/2"	A	51625
2"	A	51626

FEMALE ADAPTER - C X F		
		
DIAMETER		PART
1/2"	B	51608
3/4"	B	51609
1"	B	51610
1-1/4"	A	51611
1-1/2"	A	51612
2"	A	51613

90° ELBOW - C X C		
		
DIAMETER		PART
1/2"	B	51627
3/4"	B	51628
3/4" x 1/2"	E	51629
1"	B	51630
1-1/4"	A	51631
1-1/2"	A	51632
2"	A	51633

MALE ADAPTER - C X M		
		
DIAMETER		PART
1/2"	B	51614
3/4"	B	51615
1"	B	51616
1 x 3/4"	E	51617
1-1/4"	A	51618
1-1/2"	A	51619
2"	A	51620

90° DROP EAR ELBOW - C X F		
		
DIAMETER		PART
1/2"	E	51634

Part Numbers in bold italic are non-stock items.
Please allow 2-3 weeks for delivery.

REMOVABLE FITTINGS - COPPER/PUSH-IN

TEE FITTING - C X C X C



DIAMETER		PART
1/2"	B	51635
3/4"	B	51636
<i>3/4" x 1/2" x 1/2"</i>	E	<i>51637</i>
<i>3/4" x 1/2" x 3/4"</i>	E	<i>51638</i>
3/4" x 3/4" x 1/2"	B	51639
1"	A	51640
<i>1" x 1" x 3/4"</i>	A	<i>51641</i>
<i>1-1/4"</i>	A	<i>51642</i>
<i>1-1/2"</i>	A	<i>51643</i>
<i>2"</i>	A	<i>51644</i>

DEMOUNTING CLIP



DIAMETER		PART
1/2"	B	51660
3/4"	B	51661
1"	B	51662

REDUCER TEE FITTING - C X C X C



DIAMETER		PART
<i>1-1/4" x 1-1/4" x 1/2"</i>	A	<i>51645</i>
<i>1-1/4" x 1-1/4" x 3/4"</i>	A	<i>51646</i>
<i>1-1/4" x 1-1/4" x 1"</i>	A	<i>51647</i>
<i>1-1/2" x 1-1/2" x 3/4"</i>	A	<i>51648</i>
<i>1-1/2" x 1-1/2" x 1"</i>	A	<i>51649</i>
<i>1-1/2" x 1-1/2" x 1-1/4"</i>	A	<i>51650</i>
<i>2" x 2" x 1"</i>	A	<i>51651</i>
<i>2" x 2" x 1-1/4"</i>	A	<i>51652</i>
<i>2" x 2" x 1-1/2"</i>	A	<i>51653</i>

SLIP COUPLING



DIAMETER		PART
1/2"	B	51663
3/4"	B	51664
1"	A	<i>51665</i>

WATER HEATER HOSE



DIAMETER 1	DIAMETER 2		PART
1/2"	3/4"	A	51666
3/4"	3/4"	A	51667

TUBE CAP - C



DIAMETER		PART
1/2"	B	51654
3/4"	B	51655
1"	B	51656
<i>1-1/4"</i>	A	<i>51657</i>
<i>1-1/2"</i>	A	<i>51658</i>
<i>2"</i>	A	<i>51659</i>

REPAIR HOSE



DIAMETER 1	DIAMETER 2		PART
1/2"	1/2"	A	<i>51668</i>
3/4"	3/4"	A	<i>51669</i>

Part Numbers in bold italic are non-stock items. Please allow 2-3 weeks for delivery.

REMOVABLE FITTINGS - COPPER/PUSH-IN

BALL VALVES



17052

DIAMETER		PART
1/2"	A	51670
3/4"	A	51671
1"	A	51672

DEMOUNT WRENCH



DESCRIPTION		PART
Wrench Tool	A	51682

O-RING REPLACEMENT PACKS



DIAMETER		PART
1-1/4"	E	51673
1-1/2"	E	51674
2"	E	51675

RETAINING CAPS



DIAMETER		PART
1-1/4"	A	51683
1-1/2"	A	51684
2"	A	51685

PROTECTION RINGS



DIAMETER		PART
1-1/4"	E	51676
1-1/2"	E	51677
2"	E	51678

DEMOUNT RING



DIAMETER		PART
1-1/4" to 2"	A	51686

GRAB RINGS



DIAMETER		PART
1-1/4"	E	51679
1-1/2"	E	51680
2"	E	51681

PEX CONVERSION KITS



DIAMETER		PART
1-1/4"	A	51688
1-1/2"	A	51689
2"	A	51690

Part Numbers in bold italic are non-stock items. Please allow 2-3 weeks for delivery.

PVC FITTINGS

SCHEDULE 40

Used in residential, commercial and irrigation systems where the temperature does not exceed 140°F including chemical processing, industrial plating, chilled water distribution, deionized water lines and chemical drainage. Meets ASTM D2466, material conforming to ASTM D1784 and meeting all class 12454-B.

MALE ADAPTER



SOCKET SIZE	MALE PIPE SIZE	PART	SOCKET SIZE	MALE PIPE SIZE	PART
1/2	1/2	R 57300	1-1/4	1-1/4	I 57303
3/4	3/4	R 57301	1-1/2	1-1/2	I 57304
1"	1"	N 57302	2"	2"	I 57305

FEMALE ADAPTER



SOCKET SIZE	FEMALE PIPE SIZE	PART	SOCKET SIZE	FEMALE PIPE SIZE	PART
1/2	1/2	N 57322	1-1/4	1-1/4	I 57325
3/4	3/4	N 57323	1-1/2	1-1/2	I 57326
1"	1"	N 57324	2"	2"	I 57327

PLUG



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	I 57334	1-1/4	I 57337
3/4	I 57335	1-1/2	E 57338
1"	I 57336	2"	E 57339

COUPLING



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	N 57340	1-1/4	I 57343
3/4	N 57341	1-1/2	I 57344
1"	N 57342	2"	I 57345

BUSHING REDUCER



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2 x 3/8	N 57306	1-1/2 x 3/4	I 57314
3/4 x 1/2	N 57307	1-1/2 x 1"	I 57315
1" x 1/2	N 57308	1-1/2 x 1-1/4	I 57316
1" x 3/4	N 57309	2" x 1/2	I 57317
1-1/4 x 1/2	I 57310	2" x 3/4	I 57318
1-1/4 x 3/4	I 57311	2" x 1"	I 57319
1-1/4 x 1"	I 57312	2" x 1-1/4	I 57320
1-1/2 x 1/2	I 57313	2" x 1-1/2	I 57321

CAP



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	N 57328	1-1/4	I 57331
3/4	N 57329	1-1/2	I 57332
1"	N 57330	2"	I 57333


TEE





SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	N 57364	1-1/4 x 1-1/4 x 1/2	I 57381
3/4	N 57365	1-1/4 x 1-1/4 x 3/4	I 57382
1"	I 57366	1-1/4 x 1-1/4 x 1"	I 57383
1-1/4	I 57367	1-1/2 x 1-1/4 x 3/4	E 57384
1-1/2	I 57368	1-1/2 x 1-1/4 x 1"	E 57385
2"	E 57369	1-1/2 x 1-1/2 x 1/2	E 57386
1/2 x 1/2 x 3/4	I 57370	1-1/2 x 1-1/2 x 3/4	E 57387
3/4 x 1/2 x 1/2	I 57371	1-1/2 x 1-1/2 x 1"	E 57388
3/4 x 1/2 x 3/4	I 57372	1-1/2 x 1-1/2 x 1-1/4	E 57389
3/4 x 3/4 x 1/2	I 57373	1-1/2 x 1-1/2 x 2"	B 57390
3/4 x 3/4 x 1"	I 57374	2" x 1-1/2 x 1-1/2	B 57391
1" x 3/4 x 1/2	I 57375	2" x 2" x 1/2	E 57392
1" x 3/4 x 3/4	I 57376	2" x 2" x 3/4	E 57393
1" x 1" x 1/2	I 57377	2" x 2" x 1"	E 57394
1" x 1" x 3/4	I 57378	2" x 2" x 1-1/4	E 57395
1" x 1" x 1-1/2	E 57379	2" x 2" x 1-1/2	E 57396
1-1/4 x 1" x 3/4	E 57380	-	-


NOTE: All non-stock items – please allow 2-3 weeks delivery.

PVC FITTINGS (Cont'd.)

45 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	N 57346	1-1/4	I 57349
3/4	I 57347	1-1/2	E 57350
1"	I 57348	2"	E 57351

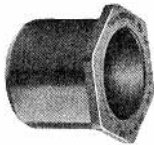
90 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	N 57352	1-1/4	I 57355
3/4	N 57353	1-1/2	I 57356
1"	N 57354	2"	E 57357


90 DEGREE ST ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	I 57358	1-1/4	E 57361
3/4	I 57359	1-1/2	E 57362
1"	E 57360	2"	B 57363


CROSS			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	I 57397	1-1/4	E 57400
3/4	E 57398	1-1/2	B 57401
1"	E 57399	2"	B 57402

SCHEDULE 80

Used in industrial systems where the temperature does not exceed 140°F. Meets ASTM D2467 and ASTM D2464. Dimensional requirements of ASTM D1785 and all class 12454-B as specified in ASTM D1784.


BUSHING REDUCER			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2 x 1/4	E 57409	1-1/2 x 3/4	B 57417
3/4 x 1/2	E 57410	1-1/2 x 1"	B 57418
1" x 1/2	E 57411	1-1/2 x 1-1/4	B 57419
1" x 3/4	E 57412	2" x 1/2	A 57420
1-1/4 x 1/2	B 57413	2" x 3/4	A 57421
1-1/4 x 3/4	B 57414	2" x 1"	A 57422
1-1/4 x 1"	B 57415	2" x 1-1/4	A 57423
1-1/2 x 1/2	B 57416	2" x 1-1/2	A 57424


MALE ADAPTER					
					
SOCKET SIZE	MALE PIPE SIZE	PART	SOCKET SIZE	MALE PIPE SIZE	PART
1/2	1/2	B 57403	1-1/4	1-1/4	B 57406
3/4	3/4	B 57404	1-1/2	1-1/2	B 57407
1"	1"	B 57405	2"	2"	B 57408


FLANGE			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57463	1-1/4	B 57466
3/4	B 57464	1-1/2	B 57467
1"	B 57465	2"	A 57468


NOTE: All non-stock items – please allow 2-3 weeks delivery.


PVC FITTINGS (Cont'd.)


CAP			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	B 57425	1-1/4	B 57429
1/2	B 57426	1-1/2	B 57430
3/4	B 57427	2"	A 57431
1"	B 57428	-	-


COUPLING			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	B 57432	1-1/4	B 57436
1/2	B 57433	1-1/2	B 57437
3/4	B 57434	2"	B 57438
1"	B 57435	-	-

REDUCER COUPLING			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
3/4 x 1/2	B 57439	1-1/2 x 3/4	A 57444
1" x 1/2	B 57440	1-1/2 x 1"	A 57445
1" x 3/4	B 57441	1-1/2 x 1-1/4	A 57446
1-1/4 x 3/4	A 57442	2" x 1"	A 57447
1-1/4 x 1"	A 57443	2" x 1-1/2	A 57448

45 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	B 57449	1-1/4	A 57453
1/2	B 57450	1-1/2	A 57454
3/4	B 57451	2"	A 57455
1"	B 57452	-	-


90 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	E 57456	1-1/4	B 57460
1/2	E 57457	1-1/2	B 57461
3/4	E 57458	2"	B 57462
1"	B 57459	-	-


UNION WITH O-RING SEAL			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	A 57485	1-1/4	A 57489
1/2	A 57486	1-1/2	A 57490
3/4	A 57487	2"	A 57491
1"	A 57488	-	-


TEE							
							
SOCKET SIZE	PART	SOCKET SIZE	PART	SOCKET SIZE	PART	SOCKET SIZE	PART
1/4	B 57469	1-1/4	A 57473	1" x 1" x 1/2	B 57477	2" x 2" x 1/2	A 57481
1/2	B 57470	1-1/2	A 57474	1" x 1" x 3/4	B 57478	2" x 2" x 3/4	A 57482
3/4	B 57471	2"	A 57475	1-1/2 x 1-1/2 x 3/4	A 57479	2" x 2" x 1"	A 57483
1"	B 57472	3/4 x 3/4 x 1/2	B 57476	1-1/2 x 1-1/2 x 1"	A 57480	2" x 2" x 1-1/2	A 57484


NOTE: All non-stock items – please allow 2-3 weeks delivery.


PVC FITTINGS (Cont'd.)


FEMALE ADAPTER					
					
SOCKET SIZE	FEMALE PIPE SIZE	PART	SOCKET SIZE	FEMALE PIPE SIZE	PART
1/4	1/4	N 57492	1-1/4	1-1/4	I 57496
1/2	1/2	N 57493	1-1/2	1-1/2	I 57497
3/4	3/4	N 57494	2"	2"	I 57498
1"	1"	57495	-	-	-


THREADED CAP			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	B 57516	1-1/4	B 57520
1/2	B 57517	1-1/2	B 57521
3/4	B 57518	2"	A 57522
1"	B 57519	-	-

THREADED COUPLING			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	B 57523	1-1/4	B 57527
1/2	B 57524	1-1/2	A 57528
3/4	B 57525	2"	A 57529
1"	B 57526	-	-

THREADED 45 DEGREE ELBOW			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	B 57540	1-1/4	A 57544
1/2	B 57541	1-1/2	A 57545
3/4	B 57542	2"	A 57546
1"	B 57543	-	-

THREADED 90 DEGREE ELBOW			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	B 57547	1-1/4	B 57551
1/2	B 57548	1-1/2	A 57552
3/4	B 57549	2"	A 57553
1"	B 57550	-	-

THREADED FLANGE			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	B 57554	1-1/4	B 57557
3/4	B 57555	1-1/2	B 57558
1"	B 57556	2"	A 57559

THREADED BUSHING REDUCER							
							
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2 x 1/4	B 57499	1" x 3/4	B 57503	1-1/2 x 1/2	B 57507	2" x 1/2	A 57511
3/4 x 1/4	B 57500	1-1/4 x 1/2	B 57504	1-1/2 x 3/4	B 57508	2" x 3/4	A 57512
3/4 x 1/2	B 57501	1-1/4 x 3/4	B 57505	1-1/2 x 1"	B 57509	2" x 1"	A 57513
1" x 1/2	B 57502	1-1/4 x 1"	B 57506	1-1/2 x 1-1/4	B 57510	2" x 1-1/4	A 57514
-	-	-	-	-	-	2" x 1-1/2	A 57515

NOTE: All non-stock items – please allow 2-3 weeks delivery.

PVC FITTINGS (Cont'd.)

THREADED PLUG



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	E 57560	1-1/4	B 57564
1/2	E 57561	1-1/2	B 57565
3/4	E 57562	2"	B 57566
1"	B 57563	-	-

THREADED TEE



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	B 57567	1-1/4	A 57571
1/2	B 57568	1-1/2	A 57572
3/4	B 57569	2"	A 57573
1"	A 57570	-	-

TRUE UNION BALL VALVE



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	A 57581	1-1/4	A 57584
3/4	A 57582	1-1/2	A 57585
1"	A 57583	2"	A 57586

TRUE UNION BALL CHECK VALVE



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	A 57587	1-1/4	A 57590
3/4	A 57588	1-1/2	A 57591
1"	A 57589	2"	A 57592


NIPPLE




PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2 x close	I 57593	3/4 x 3-1/2	I 57609	1" x 6"	E 57624	1-1/2 x 4"	E 57640
1/2 x 1-1/2	I 57594	3/4 x 4"	I 57610	1-1/4 x close	E 57625	1-1/2 x 4-1/2	E 57641
1/2 x 2"	I 57595	3/4 x 4-1/2	I 57611	1-1/4 x 2-1/2	E 57627	1-1/2 x 5"	E 57642
1/2 x 2-1/2	I 57596	3/4 x 5"	I 57612	1-1/4 x 3"	E 57628	1-1/2 x 5-1/2	E 57643
1/2 x 3"	I 57597	3/4 x 5-1/2	I 57613	1-1/4 x 3-1/2	E 57629	1-1/2 x 6"	E 57644
1/2 x 3-1/2	I 57598	3/4 x 6"	I 57614	1-1/4 x 4"	E 57630	2" x close	E 57645
1/2 x 4"	I 57599	1" x close	I 57615	1-1/4 x 4-1/2	E 57631	2" x 2-1/2	E 57646
1/2 x 4-1/2	I 57600	1" x 2"	I 57616	1-1/4 x 5"	E 57632	2" x 3"	E 57647
1/2 x 5"	I 57601	1" x 2-1/2	I 57617	1-1/4 x 5-1/2	E 57633	2" x 3-1/2	E 57648
1/2 x 5-1/2	I 57602	1" x 3"	I 57618	1-1/4 x 6"	E 57634	2" x 4"	E 57649
1/2 x 6"	I 57603	1" x 3-1/2	I 57619	1-1/2 x close	E 57635	2" x 4-1/2	E 57650
3/4 x close	I 57604	1" x 4"	I 57620	1-1/2 x 2"	E 57636	2" x 5"	E 57651
3/4 x 2"	I 57606	1" x 4-1/2	I 57621	1-1/2 x 2-1/2"	E 57637	2" x 5-1/2	E 57652
3/4 x 2-1/2	I 57607	1" x 5"	I 57622	1-1/2 x 3"	E 57638	2" x 6"	E 57653
3/4 x 3"	I 57608	1" x 5-1/2	I 57623	1-1/2 x 3-1/2	E 57639	-	-

NOTE: All non-stock items – please allow 2-3 weeks delivery.

PVC FITTINGS (Cont'd.)


THREADED COUPLING REDUCER			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
3/4 x 1/2	B 57530	1-1/2 x 3/4	A 57535
1" x 1/2	B 57531	1-1/2 x 1"	A 57536
1" x 3/4	B 57532	1-1/2 x 1-1/4	A 57527
1-1/4 x 3/4	A 57533	2" x 1"	A 57538
1-1/4 x 1"	A 57534	2" x 1-1/2	A 57539

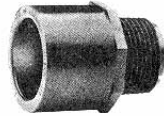
THREADED UNION WITH O-RING SEAL			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/4	A 57574	1-1/4"	A 57578
1/2	A 57575	1-1/2	A 57579
3/4	A 57576	2"	A 57580
1"	A 57577	-	-


CPVC FITTINGS

SCHEDULE 80

Used in industrial systems for hot corrosive liquids, hot and cold water distribution and similar applications above the temperature range of PVC. Has a designed stress of 2000 psi and maximum service temperature of 210°F. Conforming to ASTM D-1784 Class 23447-B.

FEMALE ADAPTER					
					
SOCKET SIZE	FEMALE PIPE SIZE	PART	SOCKET SIZE	FEMALE PIPE SIZE	PART
1/2	1/2	B 57654	1-1/4	1-1/4	A 57657
3/4	3/4	B 57655	1-1/2	1-1/2	A 57658
1"	1"	A 57656	2"	2"	A 57659

MALE ADAPTER					
					
SOCKET SIZE	MALE PIPE SIZE	PART	SOCKET SIZE	MALE PIPE SIZE	PART
1/2	1/2	B 57660	1-1/4	1-1/4	A 57663
3/4	3/4	B 57661	1-1/2	1-1/2	A 57664
1"	1"	A 57662	2"	2"	A 57665

BUSHING REDUCER							
							
SOCKET SIZE	PART	SOCKET SIZE	PART	SOCKET SIZE	PART	SOCKET SIZE	PART
1/2 x 1/4	B 57666	1-1/4 x 1/2	A 57670	1-1/2 x 3/4	A 57674	2" x 3/4	A 57678
3/4 x 1/2	B 57667	1-1/4 x 3/4	A 57671	1-1/2 x 1"	A 57675	2" x 1"	A 57679
1" x 1/2	B 57668	1-1/4 x 1"	A 57672	1-1/2 x 1-1/4	A 57676	2" x 1-1/4	A 57680
1" x 3/4	B 57669	1-1/2 x 1/2	A 57673	2" x 1/2	A 57677	2" x 1-1/2	A 57681

NOTE: All non-stock items – please allow 2-3 weeks delivery.

CPVC FITTINGS (Cont'd.)

THREADED BUSHING REDUCER



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2 x 1/4	B 57682	1-1/4 x 1/2	A 57686	1-1/2 x 3/4	A 57690	2" x 3/4	A 57694
3/4 x 1/2	B 57683	1-1/4 x 3/4	A 57687	1-1/2 x 1"	A 57691	2" x 1"	A 57695
1" x 1/2	B 57684	1-1/4 x 1"	A 57688	1-1/2 x 1-1/4	A 57692	2" x 1-1/4	A 57696
1" x 3/4	B 57685	1-1/2 x 1/2	A 57689	2" x 1/2	A 57693	2" x 1-1/2	A 57697

CAP



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57698	1-1/4	A 57701
3/4	B 57699	1-1/2	A 57702
1"	A 57700	2"	A 57703

THREADED CAP



PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	B 57704	1-1/4	A 57707
3/4	A 57705	1-1/2	A 57708
1"	A 57706	2"	A 57709

COUPLING



SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57710	1-1/4	A 57713
3/4	B 57711	1-1/2	A 57714
1"	B 57712	2"	A 57715

THREADED COUPLING



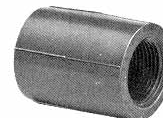
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	A 57726	1-1/4	A 57729
3/4	A 57727	1-1/2	A 57730
1"	A 57728	2"	A 57731

COUPLING REDUCER



SOCKET SIZE	PART	SOCKET SIZE	PART
3/4 x 1/2	A 57716	1-1/2 x 3/4	A 57721
1" x 1/2	A 57717	1-1/2 x 1"	A 57722
1" x 3/4	A 57718	1-1/2 x 1-1/4	A 57723
1-1/4 x 3/4	A 57719	2" x 1"	A 57724
1-1/4 x 1"	A 57720	2" x 1-1/2	A 57725


THREADED COUPLING REDUCER




PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
3/4 x 1/2	A 57732	1-1/2 x 3/4	A 57737
1" x 1/2	A 57733	1-1/2 x 1"	A 57738
1" x 3/4	A 57734	1-1/2 x 1-1/4	A 57739
1-1/4 x 3/4	A 57735	2" x 1"	A 57740
1-1/4 x 1"	A 57736	2" x 1-1/2	A 57741


NOTE: All non-stock items – please allow 2-3 weeks delivery.


CPVC FITTINGS (Cont'd.)


TEE			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57766	1-1/4	A 57769
3/4	B 57767	1-1/2	A 57770
1"	A 57768	2"	A 57771

THREADED TEE			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	A 57772	1-1/4	A 57775
3/4	A 57773	1-1/2	A 57776
1"	A 57774	2"	A 57777

45 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57742	1-1/4	A 57745
3/4	B 57743	1-1/2	A 57746
1"	B 57744	2"	A 57747

THREADED 45 DEGREE ELBOW			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	A 57748	1-1/4	A 57751
3/4	A 57749	1-1/2	A 57752
1"	A 57750	2"	A 57753

90 DEGREE ELBOW			
			
SOCKET SIZE	PART	SOCKET SIZE	PART
1/2	B 57754	1-1/4	A 57757
3/4	B 57755	1-1/2	A 57758
1"	A 57756	2"	A 57759

THREADED 90 DEGREE ELBOW			
			
PIPE THREAD SIZE	PART	PIPE THREAD SIZE	PART
1/2	B 57760	1-1/4	A 57763
3/4	B 57761	1-1/2	A 57764
1"	A 57762	2"	A 57765

NOTE: All non-stock items – please allow 2-3 weeks delivery.

STAINLESS STEEL 304 PIPE FITTINGS

CLASS 150 FOR SCHEDULE 40 PIPE

Type 304 stainless steel resists corrosion and heat. Rated for 150 lbs. operating pressure. Temperature range of -20°F to 350°F. Conforms to ANSI B16.3 and ANSI B1.20.1.

90° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 56535	1	B 56903
1/4	B 56536	1-1/4	A 56960
3/8	B 56900	1-1/2	A 56961
1/2	B 56901	2	A 56962
3/4	B 56902	—	—

45° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 56907	1	B 56908
1/4	B 56978	1-1/4	A 56982
3/8	B 56979	1-1/2	A 56983
1/2	B 56980	2	A 56984
3/4	B 56981	—	—

90° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 57203	1	A 56917
1/4	B 56913	1-1/4	A 57204
3/8	B 56914	1-1/2	A 57205
1/2	B 56915	2	A 57206
3/4	B 56916	—	—

COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56963	1	B 56964
1/4	E 56538	1-1/4	A 56965
3/8	E 56539	1-1/2	A 56966
1/2	B 56540	2	A 56967
3/4	B 56904	—	—

HALF COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56985	1	E 56988
1/4	E 56909	1-1/4	B 56989
3/8	E 56986	1-1/2	B 56911
1/2	E 56987	2	B 56990
3/4	E 56910	—	—

TEE — FEMALE




PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56923	1	A 56925
1/4	E 56924	1-1/4	A 57218
3/8	E 56562	1-1/2	A 57219
1/2	E 56563	2	A 57220
3/4	A 56564	—	—


REDUCING COUPLING





PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	B 56991	3/4 x 1/4	B 56994	1 x 3/4	B 56998
3/8 x 1/8	B 56912	3/4 x 3/8	B 56995	1-1/4 x 1	A 56999
3/8 x 1/4	B 56544	3/4 x 1/2	A 56545	1-1/2 x 1	A 57200
1/2 x 1/4	B 56992	1 x 3/8	B 56996	1-1/2 x 1-1/4	A 57201
1/2 x 3/8	B 56993	1 x 1/2	B 56997	2 x 1-1/2	A 57202


STAINLESS STEEL 304 PIPE FITTINGS (Cont'd.)

HEX BUSHING					
					
PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	E 56552	3/4 x 1/2	B 56557	1-1/4 x 1/2	A 57211
3/8 x 1/8	E 57207	1 x 1/4	B 56919	1-1/4 x 3/4	A 57212
3/8 x 1/4	E 56554	1 x 3/8	B 56920	1-1/4 x 1	A 57213
1/2 x 1/4	B 56555	1 x 1/2	B 56921	1-1/2 x 1	A 57214
1/2 x 3/8	B 56556	1 x 3/4	B 56922	1-1/2 x 1-1/4	A 57215
3/4 x 1/4	B 57208	1-1/4 x 1/4	A 57209	2 x 1	A 57216
3/4 x 3/8	B 56918	1-1/4 x 3/8	A 57210	2 x 1-1/2	A 57217

SQUARE HEAD PLUG			
			
*CORED SIZES: 1/2" AND LARGER			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56572	1	B 56577
1/4	E 56573	1-1/4	B 57224
3/8	E 56574	1-1/2	B 57225
1/2	B 56575	2	B 57226
3/4	B 56576	—	—

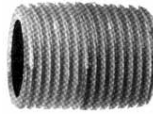
CAP			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56968	1	E 56970
1/4	E 56905	1-1/4	B 56971
3/8	E 57279	1-1/2	B 56972
1/2	E 56546	2	A 56973
3/4	E 56969	—	—

UNION			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	A 56906	1	A 56974
1/4	A 56547	1-1/4	A 56975
3/8	A 56548	1-1/2	A 56976
1/2	A 56549	2	A 56977
3/4	A 56550	—	—

HEX HEAD PLUG			
			
PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56568	1	B 56927
1/4	E 56569	1-1/4	B 57221
3/8	E 56570	1-1/2	B 57222
1/2	E 56571	2	A 57223
3/4	E 56926	—	—

STAINLESS STEEL 304 PIPE FITTINGS (Cont'd.)

CLOSE NIPPLE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 56929	3/4	E 56953
1/4	E 56935	1	B 56588
3/8	E 56587	1-1/4	B 57253
1/2	E 56950	1-1/2	A 57262
-	-	2	A 57270

WELDED NIPPLE



PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART
1/8	1-1/2	E 56930	3/8	5-1/2	B 57236	1	5	B 57250
1/8	2	E 56931	3/8	6	B 56949	1	5-1/2	B 57251
1/8	2-1/2	E 56932	1/2	1-1/2	E 56581	1	6	B 57252
1/8	3	E 57227	1/2	2	E 56582	1-1/4	2-1/2	B 57254
1/8	3-1/2	E 57228	1/2	2-1/2	B 56583	1-1/4	3	B 57255
1/8	4	E 57229	1/2	3	B 56584	1-1/4	3-1/2	B 57256
1/8	4-1/2	B 57230	1/2	3-1/2	B 56951	1-1/4	4	B 57257
1/8	5	B 57231	1/2	4	B 56952	1-1/4	4-1/2	A 57258
1/8	5-1/2	B 56933	1/2	4-1/2	B 57237	1-1/4	5	A 57259
1/8	6	B 56934	1/2	5	B 57238	1-1/4	5-1/2	A 57260
1/4	1-1/2	E 56936	1/2	5-1/2	B 57239	1-1/4	6	A 57261
1/4	2	E 56937	1/2	6	B 57240	1-1/2	2-1/2	A 57263
1/4	2-1/2	E 56938	3/4	2	B 56585	1-1/2	3	A 56958
1/4	3	E 56939	3/4	2-1/2	B 56586	1-1/2	3-1/2	A 57264
1/4	3-1/2	E 56940	3/4	3	B 56954	1-1/2	4	A 57265
1/4	4	E 56941	3/4	3-1/2	B 57241	1-1/2	4-1/2	A 57266
1/4	4-1/2	B 57232	3/4	4	B 56955	1-1/2	5	A 57267
1/4	5	B 56942	3/4	4-1/2	B 57242	1-1/2	5-1/2	A 57268
1/4	5-1/2	B 57233	3/4	5	B 57243	1-1/2	6	A 57269
1/4	6	B 56943	3/4	5-1/2	B 57244	2	2-1/2	A 57271
3/8	1-1/2	E 56580	3/4	6	B 57245	2	3	A 57272
3/8	2	E 56944	1	2	B 56956	2	3-1/2	A 57273
3/8	2-1/2	E 56945	1	2-1/2	B 57246	2	4	A 57274
3/8	3	E 56946	1	3	B 56957	2	4-1/2	A 57275
3/8	3-1/2	E 57234	1	3-1/2	B 57247	2	5	A 57276
3/8	4	B 56947	1	4	B 57248	2	5-1/2	A 57277
3/8	4-1/2	B 57235	1	4-1/2	B 57249	2	6	A 57278
3/8	5	B 56948						

STAINLESS STEEL 316 PIPE FITTINGS

CLASS 150 FOR SCHEDULE 40 PIPE

Type 316 stainless steel resists corrosion and heat. Rated for 150 lbs. operating pressure. Temperature range of -20°F to 350°F. Conforms to ANSI B16.3, ASTM A.351 and ASTM A-733-86.

90° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 57800	1	B 57805
1/4	B 57801	1-1/4	A 57806
3/8	B 57802	1-1/2	A 57807
1/2	B 57803	2	A 57808
3/4	B 57804	—	—

45° ELBOW — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 57836	1	B 57841
1/4	B 57837	1-1/4	A 57842
3/8	B 57838	1-1/2	A 57843
1/2	B 57839	2	A 57844
3/4	B 57840	—	—

90° STREET ELBOW



PIPE THREAD	PART	PIPE THREAD	PART
1/8	B 57869	1	A 57874
1/4	B 57870	1-1/4	A 57875
3/8	B 57871	1-1/2	A 57876
1/2	B 57872	2	A 57877
3/4	B 57873	—	—

COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57809	1	B 57814
1/4	E 57810	1-1/4	A 57815
3/8	E 57811	1-1/2	A 57816
1/2	B 57812	2	A 57817
3/4	B 57813	—	—

HALF COUPLING



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57845	1	E 57850
1/4	E 57846	1-1/4	B 57851
3/8	E 57847	1-1/2	B 57852
1/2	E 57848	2	B 57853
3/4	E 57849	—	—

TEE — FEMALE



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57899	1	A 57904
1/4	E 57900	1-1/4	A 57905
3/8	E 57901	1-1/2	A 57906
1/2	E 57902	2	A 57907
3/4	A 57903	—	—

REDUCING COUPLING



PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	B 57854	3/4 x 1/4	B 57859	1 x 3/4	B 57864
3/8 x 1/8	B 57855	3/4 x 3/8	B 57860	1-1/4 x 1	A 57865
3/8 x 1/4	B 57856	3/4 x 1/2	A 57861	1-1/2 x 1	A 57866
1/2 x 1/4	B 57857	1 x 3/8	B 57862	1-1/2 x 1-1/4	A 57867
1/2 x 3/8	B 57858	1 x 1/2	B 57863	2 x 1-1/2	A 57868

STAINLESS STEEL 316 PIPE FITTINGS (Cont'd.)

HEX BUSHING



PIPE THREAD	PART	PIPE THREAD	PART	PIPE THREAD	PART
1/4 x 1/8	E 57878	3/4 x 1/2	B 57885	1-1/4 x 1/2	A 57892
3/8 x 1/8	E 57879	1 x 1/4	B 57886	1-1/4 x 3/4	A 57893
3/8 x 1/4	E 57880	1 x 3/8	B 57887	1-1/4 x 1	A 57894
1/2 x 1/4	B 57881	1 x 1/2	B 57888	1-1/2 x 1	A 57895
1/2 x 3/8	B 57882	1 x 3/4	B 57889	1-1/2 x 1-1/4	A 57896
3/4 x 1/4	B 57883	1-1/4 x 1/4	A 57890	2 x 1	A 57897
3/4 x 3/8	B 57884	1-1/4 x 3/8	A 57891	2 x 1-1/2	A 57898

SQUARE HEAD PLUG



*CORED SIZES: 1/2" AND LARGER

PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57917	1	B 57922
1/4	E 57918	1-1/4	B 57923
3/8	E 57919	1-1/2	B 57924
1/2	B 57920	2	B 57925
3/4	B 57921	-	-

CAP



	PART		PART
1/8	E 57818	1	E 57823
1/4	E 57819	1-1/4	B 57824
3/8	E 57820	1-1/2	B 57825
1/2	E 57821	2	A 57826
3/4	E 57822	-	-

UNION



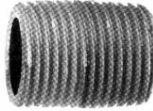
PIPE THREAD	PART	PIPE THREAD	PART
1/8	A 57827	1	A 57832
1/4	A 57828	1-1/4	A 57833
3/8	A 57829	1-1/2	A 57834
1/2	A 57830	2	A 57835
3/4	A 57831	-	-


HEX HEAD PLUG



PIPE THREAD	PART	PIPE THREAD	PART
1/8	E 57908	1	B 57913
1/4	E 57909	1-1/4	B 57914
3/8	E 57910	1-1/2	B 57915
1/2	E 57911	2	A 57916
3/4	E 57912	-	-

STAINLESS STEEL 316 PIPE FITTINGS (Cont'd.)

CLOSE NIPPLE				
				
PIPE THREAD		PART	PIPE THREAD	PART
1/8	E	57927	3/4	E 57971
1/4	E	57938	1	B 57981
3/8	E	57949	1-1/4	B 57991
1/2	E	57960	1-1/2	A 58500
-		-	2	A 58509

WELDED NIPPLE									
									
PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART	PIPE THREAD	LENGTH	PART	
1/8	1-1/2	E 57928	3/8	5-1/2	B 57958	1	5	B 57988	
1/8	2	E 57929	3/8	6	B 57959	1	5-1/2	B 57989	
1/8	2-1/2	E 57930	1/2	1-1/2	E 57961	1	6	B 57990	
1/8	3	E 57931	1/2	2	E 57962	1-1/4	2-1/2	B 57992	
1/8	3-1/2	E 57932	1/2	2-1/2	B 57963	1-1/4	3	B 57993	
1/8	4	E 57933	1/2	3	B 57964	1-1/4	3-1/2	B 57994	
1/8	4-1/2	B 57934	1/2	3-1/2	B 57965	1-1/4	4	B 57995	
1/8	5	B 57935	1/2	4	B 57966	1-1/4	4-1/2	A 57996	
1/8	5-1/2	B 57936	1/2	4-1/2	B 57967	1-1/4	5	A 57997	
1/8	6	B 57937	1/2	5	B 57968	1-1/4	5-1/2	A 57998	
1/4	1-1/2	E 57939	1/2	5-1/2	B 57969	1-1/4	6	A 57999	
1/4	2	E 57940	1/2	6	B 57970	1-1/2	2-1/2	A 58501	
1/4	2-1/2	E 57941	3/4	2	B 57972	1-1/2	3	A 58502	
1/4	3	E 57942	3/4	2-1/2	B 57973	1-1/2	3-1/2	A 58503	
1/4	3-1/2	E 57943	3/4	3	B 57974	1-1/2	4	A 58504	
1/4	4	E 57944	3/4	3-1/2	B 57975	1-1/2	4-1/2	A 58505	
1/4	4-1/2	B 57945	3/4	4	B 57976	1-1/2	5	A 58506	
1/4	5	B 57946	3/4	4-1/2	B 57977	1-1/2	5-1/2	A 58507	
1/4	5-1/2	B 57947	3/4	5	B 57978	1-1/2	6	A 58508	
1/4	6	B 57948	3/4	5-1/2	B 57979	2	2-1/2	A 58510	
3/8	1-1/2	E 57950	3/4	6	B 57980	2	3	A 58511	
3/8	2	E 57951	1	2	B 57982	2	3-1/2	A 58512	
3/8	2-1/2	E 57952	1	2-1/2	B 57983	2	4	A 58513	
3/8	3	E 57953	1	3	B 57984	2	4-1/2	A 58514	
3/8	3-1/2	E 57954	1	3-1/2	B 57985	2	5	A 58515	
3/8	4	B 57955	1	4	B 57986	2	5-1/2	A 58516	
3/8	4-1/2	B 57956	1	4-1/2	B 57987	2	6	A 58517	
3/8	5	B 57957							

OIL PAN DRAIN PLUGS AND GASKETS

OIL PAN DRAIN PLUGS

STANDARD

- MADE OF STEEL
- GASKET INCLUDED



THREAD SIZE

PART

1/2" diameter - 20 thread	I	54190
5/8" diameter - 18 thread	I	54191

STANDARD W/LONG TIP

- LONG TIP FOR EASIER INSTALLATION
- USED IN FORD & CHRYSLER VEHICLES WHERE LONG REACH PLUG IS NEEDED
- GASKET INCLUDED



THREAD SIZE

PART

1/2" diameter - 20 thread	I	54192
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OVERSIZED SELF-TAPPING

- USED TO REPLACE STANDARD STRIPPED PLUG OR WHERE STANDARD PLUG IS NOT AVAILABLE
- CASE HARDENED, PLATED
- EACH PLUG IS MARKED WITH SIZE
- GASKET INCLUDED



THREAD SIZE

PART

1/2" diameter - 20 thread	I	54196
5/8" diameter - 18 thread	E	54193
11/16" diameter - 18 thread	E	54194
3/4" diameter - 16 thread	E	54195
7/8" diameter - 14 thread	B	54199

DOUBLE OVERSIZED

- USED TO REPLACE STRIPPED OUT SELF-TAPPING OVERSIZED PLUG
- CASE HARDENED, PLATED
- EACH PLUG IS MARKED WITH SIZE
- GASKET INCLUDED



THREAD SIZE

PART

1/2" diameter - 20 thread	I	54197
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TRIPLE OVERSIZED

- USED TO REPLACE STRIPPED OUT OVERSIZED PLUG OR SELF-TAPPING DOUBLE OVERSIZED PLUG
- CASE HARDENED, PLATED
- EACH PLUG IS MARKED WITH SIZE



THREAD SIZE

PART

1/2" diameter - 20 thread	I	54198
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OVERSIZED PIGGYBACK SELF-TAPPING

- NO NEED TO REMOVE ONCE INSTALLED
- FITS STRIPPED 1/2" THREADS IN OIL PAN
- FITS AM, GM, CHRYSLER AND FORD PRODUCTS THRU 1981 W/ 1/2" PAN PLUGS
- FIBER GASKET INCLUDED



DESCRIPTION

PART

1/2-20 Single Oversized	B	54200
1/2-20 Double Oversized	B	54201

UNIVERSAL RUBBER DRAIN PLUGS

- FIXES STRIPPED THREADS IN OIL PANS
- EACH PLUG PACKAGED IN A PLASTIC BAG WITH INSERTING TOOL AND COMPLETE INSTRUCTIONS



PLUG SIZE

PART

PLUG SIZE

PART

Fits 5/8" hole	I	54211	Fits 1/2" Double & Triple Oversize	I	54212
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GASKETS

FIBER GASKETS FOR DRAIN PLUGS



PLUG SIZE	FITS PART #	PART	PLUG SIZE	FITS PART #	PART
1/2 Standard	54190	N 54202	1/2 Oversized	54196	N 54206
5/8 Oversized	54193	N 54203	7/8 Oversized	54199	N 54207
11/16 Oversized	54194	N 54204	1/2 Standard (Long)	54192	N 54208
3/4 Oversized	54195	N 54205			

NYLON GASKETS



PLUG SIZE	FITS PART#	PART
1/2 Standard	54190	R 54209
5/8 Standard	54191	R 54210
7/8 Standard	54199	N 54239

INSTANT FITTINGS – COMPOSITE

THE FASTEST CONNECTIONS FOR COMPRESSED AIR

Instant pneumatic/compressed air connections. Automatic locking and sealing to maximum working pressure. Release collar for instant removal of tubing.

SPECIFICATIONS

PRESSURE: From 28" Hg to 290 psi

TEMPERATURE: -4°F to +175°F. See tubing pressure and temperature data for tubing limitations.

VIBRATION: Good resistance.

MATERIALS OF CONSTRUCTION:

Glass reinforced nylon 6.6 body, stainless steel gripping ring, nitrile D seal, nickel-plated brass base with thread sealant on tapered components and captive seal on parallel threads.

USE WITH: Polyethylene, nylon and polyurethane tubing.

ASSEMBLY INSTRUCTIONS: Simply push the tubing into the fitting until it bottoms out.

DIS-ASSEMBLY INSTRUCTIONS: Push in release collar. While pressing on collar, pull out tubing.

FOR INDUSTRIAL USE

- Positive gripping action of gripping ring allows tubing to withstand vibration with or without pressure.
- Unrestricted ID allows maximum flow.
- Possible to use smaller tube size where larger tubing with compression or barb fitting has been required.
- Fully reusable since there are no ferrules or inserts.
- Elbow and tee configurations are orientable.
- One-piece fitting means reduced assembly time and fewer parts in inventory.
- Tapered male pipe threads have pre-applied thread sealant.



MALE RUN TEE



TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	B 44642
1/8	1/8	B 44643
5/32	10-32 UNF	B 44644
5/32	1/8	B 44645
5/32	1/4	B 44646
3/16	1/8	B 44647
1/4	1/8	B 44648
1/4	1/4	B 44649
1/4	3/8	B 44650
5/16	1/8	B 44651
5/16	1/4	B 44652
5/16	3/8	B 44653
3/8	1/8	B 44654
3/8	1/4	B 44655
3/8	3/8	B 44656
3/8	1/2	A 44657
1/2	1/4	A 44658
1/2	3/8	A 44659
1/2	1/2	A 44660

MALE ELBOW



TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	B 44603
1/8	1/8	E 44604
1/8	1/4	B 44605
5/32	10-32 UNF	B 44606
5/32	1/8	E 44607
5/32	1/4	B 44608
3/16	1/8	B 44609
1/4	10-32 UNF	B 44610
1/4	1/8	E 44611
1/4	1/4	E 44612
1/4	3/8	B 44613
5/16	1/8	B 44614
5/16	1/4	B 44615
5/16	3/8	B 44616
3/8	1/8	B 44617
3/8	1/4	B 44618
3/8	3/8	B 44619
3/8	1/2	B 44620
1/2	1/4	B 44621
1/2	3/8	B 44622
1/2	1/2	B 44623

MALE CONNECTOR



TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	E 55303
1/8	1/16	E 55300
1/8	1/8	E 55301
1/8	1/4	E 55302
5/32	10-32 UNF	E 55304
5/32	1/8	E 44335
5/32	1/4	E 44336
1/4	10-32 UNF	E 55314
1/4	1/8	E 44300
1/4	1/4	E 44302
1/4	3/8	E 44304
3/16	1/8	B 44600
3/16	1/4	B 44601
5/16	1/8	E 55340
5/16	1/4	E 55341
5/16	3/8	B 44602
3/8	1/8	E 44305
3/8	1/4	E 44306
3/8	3/8	E 44308
3/8	1/2	E 44310
1/2	3/8	E 44312
1/2	1/4	E 44311
1/2	1/2	E 44314

INSTANT FITTINGS – COMPOSITE (Cont'd.)

BANJO ELBOW



TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	B <i>44624</i>
5/32	10-32 UNF	B <i>44625</i>
5/32	1/8	A <i>44626</i>
1/4	10-32 UNF	A <i>44627</i>
1/4	1/8	A 44628
1/4	1/4	A 44629
1/4	3/8	A <i>44630</i>
3/8	1/4	A <i>44631</i>
3/8	3/8	A <i>44632</i>

NOTE: NUMBERS IN BOLD ITALIC ARE NON-STOCK ITEMS. PLEASE ALLOW 2-3 WEEKS FOR DELIVERY.

FEMALE CONNECTOR



TUBE SIZE	NPT PIPE THREAD	PART
1/8	1/8	E 55335
1/8	1/4	B <i>44691</i>
5/32	1/8	B 44692
5/32	1/4	B <i>44693</i>
3/16	1/8	B <i>44694</i>
3/16	1/4	A <i>44695</i>
1/4	1/8	E 44360
1/4	1/4	E 44362
5/16	1/8	A 55336
5/16	1/4	A 55337
3/8	1/8	B 44696
3/8	1/4	B 44364
3/8	3/8	B 44366
1/2	3/8	B 44697
1/2	1/2	B 44698

FEMALE ELBOW



TUBE SIZE	NPT PIPE THREAD	PART
1/8	1/8	B 44633
5/32	1/8	B 44634
5/32	1/4	B 44635
1/4	1/8	B 44636
1/4	1/4	B 44637
5/16	1/8	B 44638
5/16	1/4	B 44639
3/8	1/4	B 44640
1/2	3/8	A 44641

MALE BRANCH TEE



TUBE SIZE	NPT PIPE THREAD	PART
1/8	10-32 UNF	B 44661
1/8	1/16	B 44662
1/8	1/8	B 44663
1/8	1/4	B 44664
5/32	10-32 UNF	B 44665
5/32	1/8	B 44666
5/32	1/4	B 44667
3/16	1/8	A 44668
1/4	1/8	B 44669
1/4	1/4	B 44670
1/4	3/8	B 44671
5/16	1/8	B 44672
5/16	1/4	B 44673
5/16	3/8	B 44674
3/8	1/8	B 44675
3/8	1/4	B 44676
3/8	3/8	B 44677
3/8	1/2	A 44678
1/2	1/4	A 44679
1/2	3/8	A 44680
1/2	1/2	A 44681

UNION ELBOWS



TUBE SIZE	PART	TUBE SIZE	PART
1/8	E 44705	5/16	E 44709
5/32	E 44706	3/8	B 44710
3/16	B 44707	1/2	B 44711
1/4	E 44708	–	–

FEMALE BRANCH TEE



TUBE SIZE	NPT PIPE THREAD	PART
1/8	1/8	B 44682
5/32	1/8	B 44683
5/32	1/4	B 44684
1/4	1/8	B 44685
1/4	1/4	B 44686
5/16	1/8	B 44687
5/16	1/4	B 44688
3/8	1/4	B 44689
1/2	3/8	A 44690

UNEQUAL ELBOW



TUBE SIZE 1	TUBE SIZE 2	PART
1/8	1/4	B 44712
3/8	1/4	B 44713

BULK HEAD UNION



TUBE SIZE	PART	TUBE SIZE	PART
1/8	B 44699	5/16	B 44702
5/32	B 44862	3/8	B 44703
1/4	B 44701	1/2	A 44704

UNEQUAL TEE



TUBE SIZE 2

TUBE SIZE 1	TUBE SIZE 2	PART
1/4	1/8	B 44721
3/8	1/4	B 44722
1/2	3/8	A 44723

UNION



TUBE SIZE	PART	TUBE SIZE	PART
1/8	E 44724	5/16	E 44728
5/32	E 44884	3/8	B 44729
3/16	E 44726	1/2	B 44730
1/4	E 44727	–	–


UNION TEE



TUBE SIZE	PART	TUBE SIZE	PART
1/8	B 44714	5/16	B 44718
5/32	E 44715	3/8	B 44719
3/16	B 44716	1/2	A 44720
1/4	B 44717	–	–

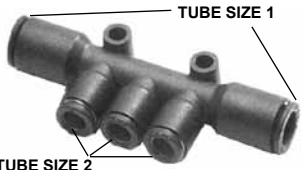
INSTANT FITTINGS – COMPOSITE (Cont'd.)

45° MALE ELBOW




TUBE SIZE	NPT PIPE THREAD	PART
1/4	1/8	B 45033
1/4	1/4	B 45034
3/8	1/4	B 45035
3/8	3/8	B 45036

MULTI-TEE




TUBE SIZE 1	TUBE SIZE 2	PART
1/4	5/32	A 45042
1/4	1/4	A 45043

EXTENDED MALE ELBOW




TUBE SIZE	NPT PIPE THREAD	PART
1/4	1/8	B 45037
1/4	1/4	B 45038
3/8	1/4	B 45039
3/8	3/8	B 45040

REDUCER UNION




TUBE SIZE	TUBE SIZE	PART
1/8	1/4	E 44731
3/8	1/4	B 44732

EQUAL CROSS



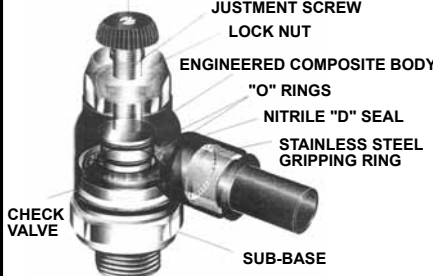
TUBE SIZE	PART
1/4	B 45041

PLUGS



TUBE SIZE	PART	TUBE SIZE	PART
5/32	B 44386	3/8	B 44388
1/4	B 44387	1/2	B 44389


FLOW CONTROLS



SLOT FOR SCREWDRIVER ADJUSTMENT
 FINE THREAD ADJUSTMENT SCREW
 LOCK NUT
 ENGINEERED COMPOSITE BODY
 "O" RINGS
 NITRILE "D" SEAL
 STAINLESS STEEL GRIPPING RING
 CHECK VALVE
 SUB-BASE


- PUSH-TO-CONNECT CONNECTION
- COMPACT SIZE COVERS A WIDE RANGE OF FLOW AND CYLINDER SIZE REQUIREMENTS
- LOCK NUT SECURES VALVE TO FINAL SETTING, ENSURING REPEATABILITY
- FINE THREAD FOR BETTER CONTROL ACROSS THE RANGE

KNOB / METER OUT




SIZE TUBE X NPT	PART	SIZE TUBE X NPT	PART
5/32 x 1/8	B 44899	1/4 x 1/4	A 44902
5/32 x 1/4	B 44900	3/8 x 1/4	A 44904
1/4 x 1/8	A 44901	3/8 x 3/8	A 44905

SCREW / METER OUT




SIZE TUBE X NPT	PART	SIZE TUBE X NPT	PART
5/32 x 1/8	A 45000	3/8 x 1/4	A 45005
1/4 x 1/8	A 45002	3/8 x 3/8	A 45006
1/4 x 1/4	A 45003	–	–

IN-LINE FLOW CONTROL




TUBE SIZE	PART	TUBE SIZE	PART
5/32	A 45028	3/8	A 45031
1/4	A 45029	1/2	A 45032
5/16	A 45030	–	–

MINI KNOB / METER OUT



SIZE TUBE X NPT	PART
1/8 x 10-32 UNF	A 45007
1/8 x 1/8 NPT	A 45008
5/32 x 10-32 UNF	A 45009
5/32 x 1/8 NPT	A 45010
1/4 x 10-32 UNF	A 45011
1/4 x 1/8 NPT	A 45012
1/4 x 1/4 NPT	A 45013

MINI SCREW / METER OUT



SIZE TUBE X NPT	PART
1/8 x 10-32 UNF	A 45014
1/8 x 1/8 NPT	A 45015
5/32 x 10-32 UNF	A 45016
5/32 x 1/8 NPT	A 45017
1/4 x 10-32 UNF	A 45018
1/4 x 1/8 NPT	A 45019
1/4 x 1/4 NPT	A 45020

NOTE: NUMBERS IN BOLD ITALIC ARE NON-STOCK ITEMS. PLEASE ALLOW 2-3 WEEKS FOR DELIVERY.

QUICK DISCONNECTS – COMPOSITE

INDUSTRIAL INTERCHANGE SAFETY COUPLER

Automatic safety coupler for pneumatic applications. Unique two turn release quickly vents down stream air pressure before disconnecting – preventing serious injuries associated with hose whip.

SPECIFICATIONS

PRESSURE: Up to 230 PSI

TEMPERATURE: -4°F to +140°F. See tubing pressure and temperature data for tubing limitations.

FLOW RATE: Industrial Interchange 47 scfm for 1/4" body 97 scfm for 3/8" body

MATERIALS OF CONSTRUCTION:

Glass reinforced nylon 6.6 body, stainless steel ball bearing and spring, nitril seal, reinforced polymer sleeve, nickel-plated brass, glass reinforced nylon 6.6 and nickel-plated brass with thread sealant on tapered components.

USE WITH: Industrial Interchange Plugs

CONNECTION INSTRUCTIONS: Simply push the plug into the coupler until it clicks.

No rotation of the coupler is necessary.

DISCONNECTION INSTRUCTIONS:

2-Step Disconnection – The disconnection is made by the rotation of the body: a safety movement which avoids accidental disconnection.

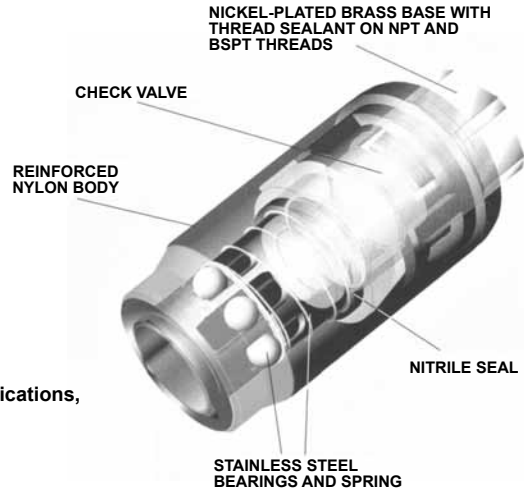
Rotate the body first to vent downstream pressure.

1 Vents plug side – rotate coupler toward arrow #1 to vent downstream pressure – a safety movement which avoids accidental disconnection

2 Disconnects – rotate coupler toward arrow #2 to disconnect the plug

FOR INDUSTRIAL USE

- Made from tough composite material which will stand up to the most abusive applications, yet is light weight
- Excellent flow characteristic
- Maintains excellent sealing characteristics, even after 2 million cycles
- Tough, impact resist material
- No problems that can occur with buttons or collars – 1, 2 disconnect
- Easy to use, lightweight materials and effortless connection
- Easy to handle with non-slip surface
- Easy to identify, clearly marked with profile design, part number and disconnection steps



MALE STRAIGHT BODY



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44367
1/4	3/8	B 44368
3/8	3/8	B 44372

FEMALE STRAIGHT BODY



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44369
1/4	3/8	B 44370
3/8	3/8	B 44371

BARBED CONNECTOR BODY



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44373
1/4	3/8	B 44374
3/8	3/8	B 44375

INDUSTRIAL INTERCHANGE PLUGS

MALE STRAIGHT PLUG



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44376
1/4	3/8	B 44377
3/8	1/4	B 44378
3/8	3/8	B 44379

FEMALE STRAIGHT PLUG



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44380
1/4	3/8	B 44381
3/8	1/4	B 44382
3/8	3/8	B 44383

BARBED CONNECTOR PLUG



BODY SIZE	NPT PIPE THREAD	PART
1/4	1/4	B 44384
3/8	1/4	B 44385

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600



Legris, inventors of the push-to-connect fitting, have earned a reputation as the leading specialist in push-to-connect fitting technology. Legris has employed over 30 years of experience in the research and development of the LF3600 range. LF3600 extends Legris 'know-how' from pneumatics to other industrial-applications.

The principle of the connection is the same. Instant manual connection and disconnection. No need for special tools.

Made of nickel-plated brass and fitted with a FKM "O" ring protected by a washer, LF3600 forged fittings may be used with all liquid and gaseous fluids compatible with these components, materials and temperatures up to 250°F (depending on the tube material).

Chemical Nickel-Plating: For applications where the fitting is exposed to aggressive environments, better plating is required. Legris uses high phosphorous electroless nickel-plating for the LF3600 fitting range.

The electroless nickel-plating has a dull, flat finish. It adheres to more of the surface, such as in the root of the threads and grooves of the collet. It has better resistance to water, harsh detergents and other aggressive fluids and environments. As a result, the LF3600 series offers superior chemical, corrosion and abrasive resistance.



All materials, seals, and plating can come in contact with food.

For the quality and cleanliness of the LF3600 products, they are placed in sealed bags inside a Legris box.

technical specification

This depends on the nature and thickness of the tube, on surrounding temperature and that of the fluid used.



All items in the LF3600 range are SILICONE FREE

working temperature	from -4° to 250° F. The allowable working temperature depends on the type of tube used.					
working pressure	7 to 290 psi. The maximum pressure of the circuit depends on the type of tube used.					
suitable fluids	all liquids and gases compatible with the materials of the fitting. Examples: food fluids, cleaning/cold & hot water, steam, oils...					
materials of construction	<p>body: high phosphorus FDA chemical nickel-plated brass</p> <p>backup washer: high phosphorus FDA chemical nickel-plated brass</p> <p>spring collet: high phosphorus FDA chemical nickel-plated brass</p> <p>"O" ring: FKM (FPM) fluoroelastomer conforming to FDA standard</p> <p>base: high phosphorus FDA chemical nickel-plated brass</p> <p>Thread sealant does not come on these products. This is so that the appropriate sealant for the application can be applied.</p>					
maximum tightening torque for LF3600 fittings, BSPP threads and M5: (with 0602 sealing washer)	parallel thread	M5 x 0.8	G1/8"	G1/4"	G3/8"	G1/2"
	in. lb	14	70	100	266	300

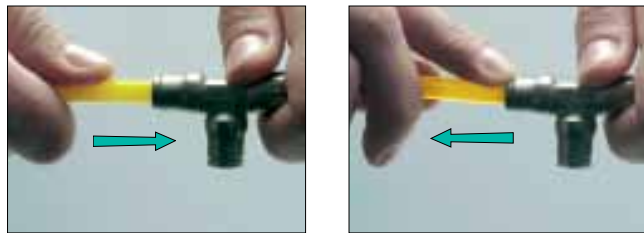
NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600



wide range

- multiple configurations and accessories
- from 5/32" to 1/2" O.D. and 4mm to 14 mm O.D.
- NPT, BSP taper, BSP parallel and metric threads
- ideal for many types of tubing
- inch to metric tube adapters

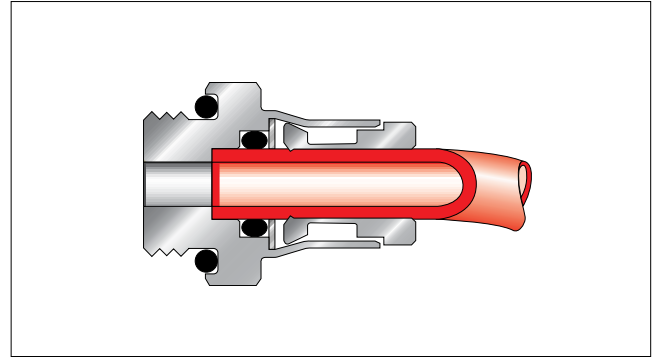


time saving connection and disconnection

- **instant manual connection and disconnection**
- **easy installation**

numerous applications

- suited to many **industries** including the **food industry** :
- numerous suitable fluids (food fluids, cleaning / hot and cold water, steam, oil...)
- components and chemical nickel coating conforming to FDA standard



increased performance

- **excellent resistance to abrasion and corrosion** due to high phosphorus chemical nickel-plating individually deposited on brass components.
- working temperature from -4° to $+25^{\circ}$ F due to "all metal" components (except o-ring)
- **full flow fluid passage**, minimal pressure drop
- **automatic sealing** of BSPP and metric versions via a captive seal at base
- backup washer protects the o-ring

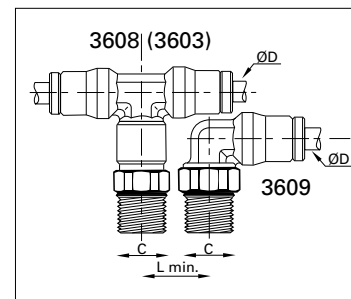


compactness and aesthetics

Each model has been redesigned to meet all requirements :

- compactness due to **small overall dimensions** with inter-connectability for configurations pictured above
- aesthetic with modernized external shapes

close spacing of LF3600 products

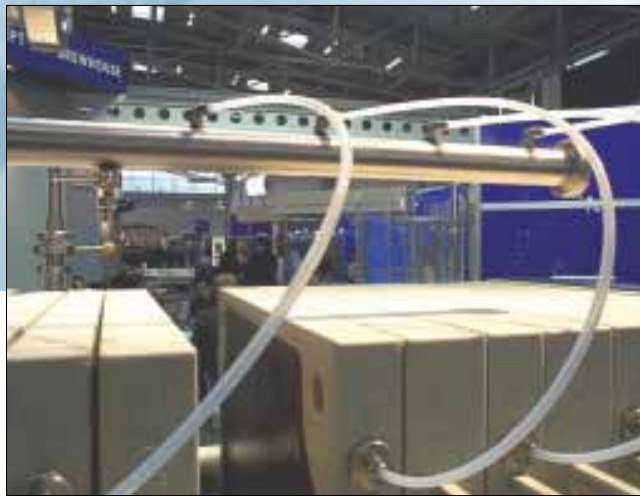
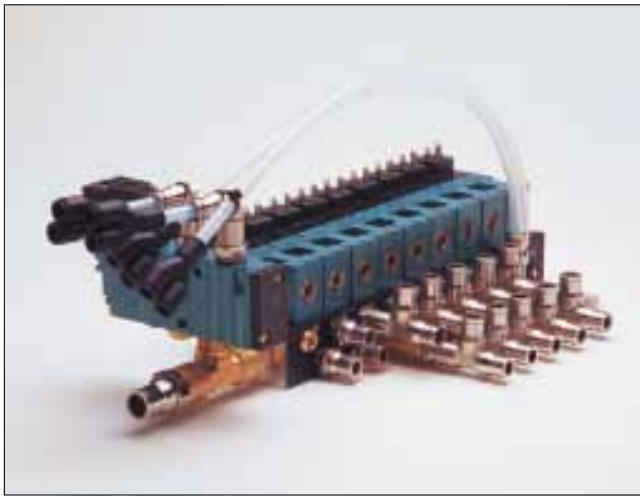


ØD in	C NPT	L min in
5/32	1/8	.57
5/32	1/4	.69
1/4	1/8	.63
1/4	1/4	.69
1/4	3/8	.79
3/8	1/4	.83
3/8	3/8	.89
3/8	1/2	1.00
1/2	3/8	.93
1/2	1/2	1.00

Our production process includes individual unit quality control and dating, for all LF 3600 push-to-connect fittings, in order to guarantee their quality and traceability.

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600



NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

threaded fittings

3675

taper
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3621

taper
Page 29.103



3601

UNF, parallel and metric
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3681

metric
Page 29.104



3614

parallel and metric
Page 29.104



3631

parallel and metric
Page 29.104



3609

taper
Page 29.105



3669

parallel
Page 29.105



3629

taper
Page 29.105



3699

UNF, parallel and M5
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3600

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3608

taper
Page 29.107



3603

taper
Page 29.107



3698

UNF, parallel and metric
Page 29.108



3693

UNF, parallel and metric
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tube to tube fittings

3606

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3602

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3604

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banjo body

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parallel and metric
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bulkhead connectors

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3636

parallel
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accessories

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Identification

Part numbers have been chosen by a method of mnemonics. Each LF3600 fitting is identified by:

- product type
- the outside diameter of the tube
- the thread code or second tube O.D.

Example of numbering system

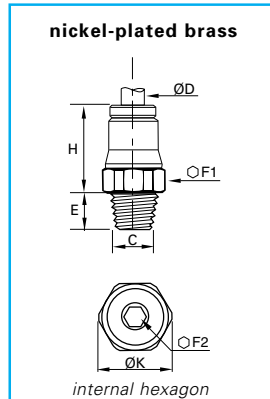
3699 04 20

product type tube O.D. thread code or second tube O.D.

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

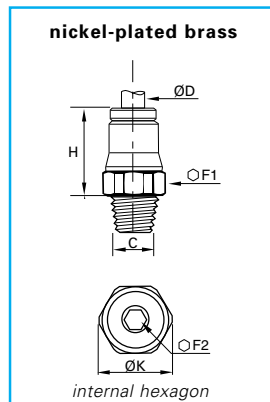
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3675 male connector — fractional inch tube to NPT



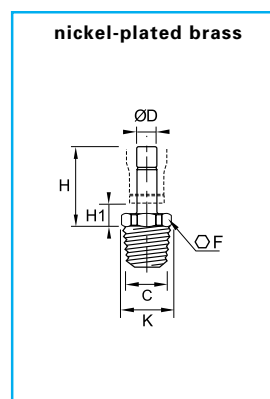
ØD in	C NPT		E in	F1 mm	F2 mm	H in	K in	oz
5/32	1/8	3675 04 11	.30	11	3	.59	.47	.28
5/32	1/4	3675 04 14	.43	14	3	.59	.59	.56
1/4	1/8	3675 56 11	.30	13	4	.67	.55	.42
1/4	1/4	3675 56 14	.43	14	4	.67	.59	.60
1/4	3/8	3675 56 18	.45	18	5	.67	.77	.72
3/8	1/8	3675 60 11	.30	18	4	.97	.77	.99
3/8	1/4	3675 60 14	.43	18	7	.95	.77	1.13
3/8	3/8	3675 60 18	.45	18	8	.91	.77	1.16
3/8	1/2	3675 60 22	.59	22	8	.95	.94	1.90
1/2	3/8	3675 62 18	.45	22	9	.95	.94	1.52
1/2	1/2	3675 62 22	.59	22	10	.95	.94	1.87

3675 male connector — metric tube to BSPT



ØD mm	C BSPT		F1 mm	F2 mm	H mm	K mm	kg
4	R1/8	3675 04 10	10	3	15	11	.008
4	R1/4	3675 04 13	14	3	15	15	.016
6	R1/8	3675 06 10	13	4	17	14	.012
6	R1/4	3675 06 13	14	4	17	15	.017
8	R1/8	3675 08 10	15	5	19	16	.016
8	R1/4	3675 08 13	15	6	18	16	.019
8	R3/8	3675 08 17	17	6	18.5	18.5	.028
10	R1/4	3675 10 13	18	7	23	19.5	.032
10	R3/8	3675 10 17	18	8	22.5	19.5	.033
10	R1/2	3675 10 21	22	8	22.5	24	.057
12	R1/4	3675 12 13	20	7	25.5	22	.040
12	R3/8	3675 12 17	20	9	24	22	.043
12	R1/2	3675 12 21	22	10	23	24	.053
14	R3/8	3675 14 17	22	9	27	24	.049
14	R1/2	3675 14 21	24	11	26	26	.061

3621 male stud standpipe — metric tube to BSPT



ØD mm	C BSPT		F1 mm	H mm	H1 mm	K mm	kg
4	R1/8	3621 04 10	10	21	7	11	0.007
4	R1/4	3621 04 13	14	21	7	15	0.014
6	R1/8	3621 06 10	10	23.5	6.5	11	0.008
6	R1/4	3621 06 13	10	23.5	6.5	15	0.015
8	R1/8	3621 08 10	10	24	6.5	11	0.008
8	R1/4	3621 08 13	14	24	6.5	15	0.016
10	R1/4	3621 10 13	14	22	6.5	15	0.018
10	R3/8	3621 10 17	17	30	7.5	18.5	0.029
12	R3/8	3621 12 17	17	31	7.5	18.5	0.024
12	R1/2	3621 12 21	22	38	7.5	24	0.041
14	R1/2	3621 14 21	22	33	8	24	0.042

= suitable for food applications

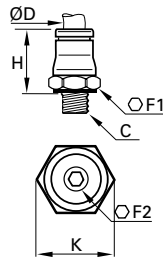
NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3601 male connector — tube to UNF, BSPP or metric



nickel-plated brass with "O" ring seal



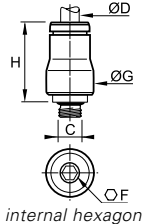
internal hexagon

ØD in	C UNF		F1 mm	F2 mm	H in	K in	Δ kg
5/32	10-32	3601 04 20	10	2.5	.61	.43	.21
1/4	10-32	3601 56 20	13	2.5	.75	.55	.35
mm BSPP/metric	metric		mm	mm	mm	mm	Δ kg
4	M5x0.8	3601 04 19	10	2.5	15.5	11	.006
4	G1/8	3601 04 10	13	3	14.5	14	.010
4	M6x1	3601 04 52	10	3	16	11	.010
4	G1/4	3601 04 13	16	3	14.5	17.5	.018
4	M8x1	3601 04 56	11	3	14.5	12	.010
6	M5x0.8	3601 06 19	13	2.5	19	14	.010
6	G1/8	3601 06 10	13	4	17.5	14	.013
6	M10x1	3601 06 60	13	4	17.5	14	.013
6	G1/4	3601 06 13	16	4	17	17.5	.019
8	G1/8	3601 08 10	15	5	20	16	.016
8	G1/4	3601 08 13	16	6	18	17.5	.020
8	G3/8	3601 08 17	20	6	19	22	.029
10	G1/4	3601 10 13	18	7	25	19.5	.030
10	G3/8	3601 10 17	20	8	22.5	22	.033
10	G1/2	3601 10 21	24	8	22.5	26	.045
12	G1/4	3601 12 13	20	7	27	22	.040
12	G3/8	3601 12 17	20	9	26	22	.041
12	G1/2	3601 12 21	24	10	23.5	26	.052
14	G3/8	3601 14 17	22	9	28	24	.047
14	G1/2	3601 14 21	24	11	26.5	26	.052

3681 male connector — metric tube to M5



nickel-plated brass with "O" ring seal



internal hexagon

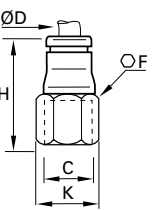
ØD mm	C M5		F mm	G mm	H mm	Δ kg
4	M5x0.8	3681 04 19	2.5	10	16	.005

= suitable for food applications

3614 female connector — metric tube to BSPP or M5



nickel-plated brass

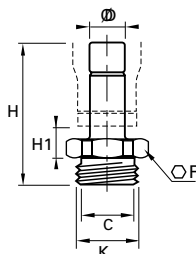


ØD mm BSPP/metric	C BSPP/metric		F mm	H mm	K mm	Δ kg
4	M5x0.8	3614 04 19	10	22	11	.010
4	G1/8	3614 04 10	14	25	15	.017
4	G1/4	3614 04 13	17	29	18.5	.027
6	G1/8	3614 06 10	14	27.5	15	.018
6	G1/4	3614 06 13	17	31.5	18.5	.029
8	G1/8	3614 08 10	15	28.5	16	.023
8	G1/4	3614 08 13	17	32.5	18.5	.030
10	G3/8	3614 10 17	22	38	24	.056
12	G3/8	3614 12 17	22	39	24	.060
12	G1/2	3614 12 21	24	43.5	26	.068

3631 male standpipe — metric tube to BSPP or M5



nickel-plated brass with "O" ring seal

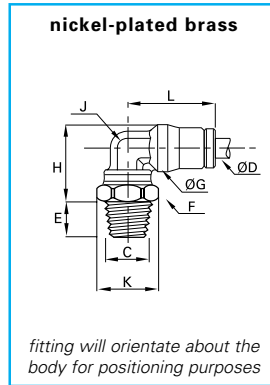


ØD mm BSPP/metric	C BSPP/metric		F mm	H mm	H1 mm	K mm	Δ kg
4	M5x0.8	3631 04 19	13	25.5	7	14	0.003
4	G1/8	3631 04 10	16	26.5	7	17.5	0.007
4	G1/4	3631 04 13	8	25	7.5	8.7	0.011
6	G1/8	3631 06 10	13	28	6.5	14	0.008
6	G1/4	3631 06 13	16	29	6.5	17.5	0.012
8	G1/8	3631 08 10	13	28.5	6.5	14	0.009
8	G1/4	3631 08 13	16	29.5	6.5	17.5	0.013
8	G3/8	3631 08 17	20	30.5	7.5	22	0.021
10	G1/4	3631 10 13	16	34.5	6.5	17.5	0.017
10	G3/8	3631 10 17	20	35.5	7.5	22	0.023
10	G1/2	3631 10 21	24	37	7.5	26	0.029
12	G3/8	3631 12 17	20	36.5	7.5	22	0.021
12	G1/2	3631 12 21	24	38	7.5	26	0.031
14	G1/2	3631 14 21	24	40	8	26	0.031

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

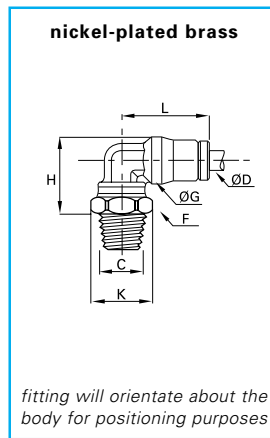
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3609 male elbow — fractional inch tube to NPT



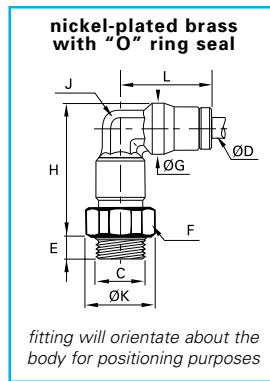
ØD in	C NPT		E in	F mm	G in	H in	J in	K in	L in	
5/32	1/8	3609 04 11	.30	11	.39	.59	.28	.47	.71	.56
5/32	1/4	3609 04 14	.43	14	.39	.67	.28	.60	.71	.81
1/4	1/8	3609 56 11	.30	11	.49	.69	.32	.47	.87	.92
1/4	1/4	3609 56 14	.43	14	.49	.75	.32	.60	.87	1.09
1/4	3/8	3609 56 18	.45	18	.49	.75	.32	.77	.87	1.20
3/8	1/4	3609 60 14	.43	15	.67	.93	.47	.63	1.14	2.40
3/8	3/8	3609 60 18	.45	18	.67	1.02	.47	.77	1.14	2.36
3/8	1/2	3609 60 22	.59	22	.67	1.06	.47	.94	1.14	2.54
1/2	3/8	3609 62 18	.45	18	.79	1.14	.59	.77	1.22	3.28
1/2	1/2	3609 62 22	.59	22	.79	1.14	.59	.94	1.22	3.49

3609 male elbow — metric tube to BSPT



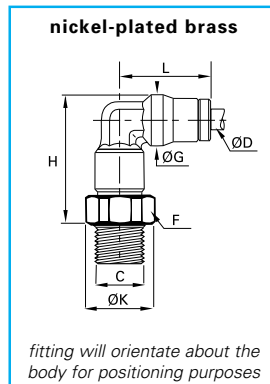
ØD mm	C BSPT		F mm	G mm	H mm	K mm	L mm	
4	R1/8	3609 04 10	11	10	15	12	18	.016
4	R1/4	3609 04 13	14	10	17	15	18	.023
6	R1/8	3609 06 10	11	12	17.5	12	21.5	.026
6	R1/4	3609 06 13	14	12	19	15	21.5	.031
8	R1/8	3609 08 10	11	15	19.5	12	23.5	.040
8	R1/4	3609 08 13	14	15	21	15	23.5	.044
8	R3/8	3609 08 17	17	15	21	18.5	23.5	.048
10	R1/4	3609 10 13	15	17.5	23.5	16	29	.068
10	R3/8	3609 10 17	17	17.5	25.5	18.5	29	.067
12	R1/4	3609 12 13	15	19.5	26	16	31	.087
12	R3/8	3609 12 17	17	19.5	28.5	18.5	31	.093
12	R1/2	3609 12 21	21	19.5	28.5	23	31	.099
14	R3/8	3609 14 17	19	21.5	29	21	34	.066
14	R1/2	3609 14 21	24	21.5	30	26	34	.076

3669 extended male elbow — metric tube to BSPP or M5



ØD mm	C BSPP/ M5		F mm	G mm	H mm	K mm	L mm	
4	M5x0.8	3669 04 19	10	10	27.5	11	18	0.015
4	G1/8	3669 04 10	13	10	25.5	14	18	0.017
6	G1/8	3669 06 10	13	12	31	14	18	0.023
6	G1/4	3669 06 13	16	12	30.5	17.5	21.5	0.028
8	G1/8	3669 08 10	14	15	33.5	15	23.5	0.031
8	G1/4	3669 08 13	16	15	34	17.5	23.5	0.036
10	G1/4	3669 10 13	18	17.5	42	19.5	29	0.053
10	G3/8	3669 10 17	20	17.5	41	22	29	0.056
12	G1/4	3669 12 13	20	19.5	47	22	31	0.075
12	G3/8	3669 12 17	20	19.5	46	22	31	0.072
14	G1/2	3669 14 21	24	21.5	49	26	34	0.094

3629 extended male elbow — metric tube to BSPT



ØD mm	C BSPT		F mm	G mm	H mm	K mm	L mm	
4	R1/8	3629 04 10	10	10	24.5	11	18	.016
6	R1/8	3629 06 10	13	12	29.5	14	21.5	.025
6	R1/4	3629 06 13	14	12	30.5	15	21.5	.031
8	R1/8	3629 08 10	14	15	32.5	15	23.5	.031
8	R1/4	3629 08 13	14	15	34	15	23.5	.036
10	R1/4	3629 10 13	18	17.5	39	19.5	29	.053

= suitable for food applications

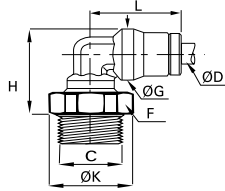
NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3699 male elbow — tube to UNF, BSPP or M5



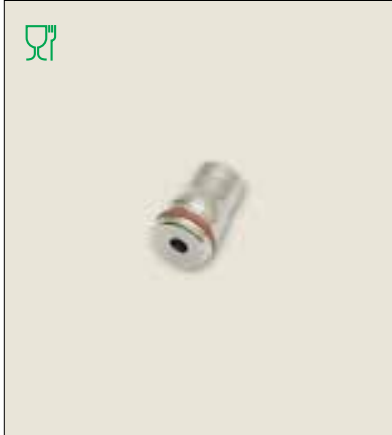
nickel-plated brass with "O" ring seal



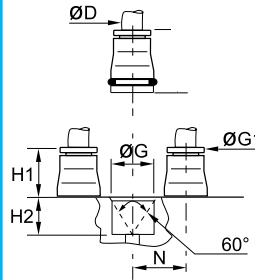
fitting will orientate about the body for positioning purposes

ØD in	C UNF	fractional inch	F mm	G in	H in	K in	L in	Δkg
5/32	10-32	3699 04 20	10	.39	.71	.43	.71	.49
mm BSPP/M5		metric	mm	mm	mm	mm	mm	Δkg
4	M5	3699 04 19	10	10	18	11	18	.014
4	G1/8	3699 04 10	13	10	17	14	18	.018
4	M6	3699 04 52	10	10	18	11	18	.020
4	G1/4	3699 04 13	16	10	17.5	17.5	18	.023
4	M8	3699 04 56	11	10	18	12	18	.024
6	G1/8	3699 06 10	13	12	19	14	21.5	.026
6	M10	3699 06 60	13	12	19	14	21.5	.030
6	G1/4	3699 06 13	16	12	19.5	17.5	21.5	.032
8	G1/8	3699 08 10	13	15	20.5	14	23.5	.040
8	G1/4	3699 08 13	16	15	21.5	17.5	23.5	.044
8	G3/8	3699 08 17	20	15	21.5	22	23.5	.049
10	G1/4	3699 10 13	16	17.5	27	17.5	29	.067
10	G3/8	3699 10 17	20	17.5	25.5	22	29	.071
12	G1/4	3699 12 13	16	19.5	29.5	17.5	31	.087
12	G3/8	3699 12 17	20	19.5	28.5	22	31	.087
12	G1/2	3699 12 21	24	19.5	28.5	26	31	.107
14	G3/8	3699 14 17	20	21.5	29	22	34	.121
14	G1/2	3699 14 21	24	21.5	29.5	26	34	.124

3600 cartridge



nickel-plated brass



ØD mm	fractional inch	G mm	H1 mm	H2 mm	N mm	Δkg
4	3600 04 00	10	9	8.5	11	.006
6	3600 06 00	12	11	8.5	13.5	.009
8	3600 08 00	15	12.5	8.5	16	.014
10	3600 10 00	17.5	14.5	10.5	20	.020
12	3600 12 00	19.5	15	10.5	22.5	.022
14	3600 14 00	21.5	16.5	12	25	.032

The use of this cartridge

- avoids the need to cut threads
- permits the part to be press fitted
- enables instant tube connection and disconnection

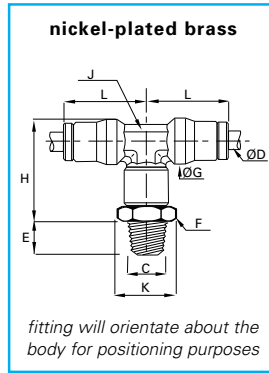
Please contact us to discuss the choice of material into which the cartridge will be inserted.

= suitable for food applications

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

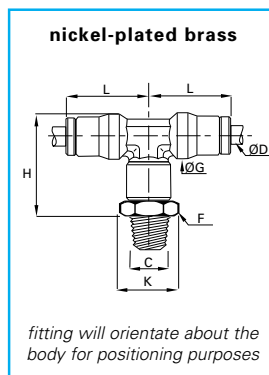
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3608 male branch tee — fractional inch tube to NPT to tube



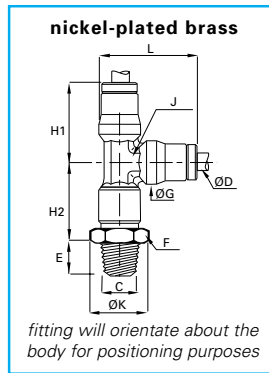
ØD in	C NPT		E in	F mm	G in	H in	J in	K in	L in	
5/32	1/8	3608 04 11	.30	11	.39	.87	.28	.47	.71	.71
5/32	1/4	3608 04 14	.43	14	.39	1.04	.28	.59	.71	.93
1/4	1/8	3608 56 11	.30	13	.49	1.18	.32	.55	.87	1.16
1/4	1/4	3608 56 14	.43	14	.49	1.22	.32	.59	.87	1.34
1/4	3/8	3608 56 18	.45	18	.49	1.22	.32	.77	.87	1.54
3/8	1/4	3608 60 14	.43	18	.67	1.54	.47	.77	1.14	2.89
3/8	3/8	3608 60 18	.45	18	.67	1.61	.47	.77	1.14	2.82
3/8	1/2	3608 60 22	.59	22	.67	1.61	.47	.94	1.14	3.10
1/2	3/8	3608 62 18	.45	22	.79	1.85	.59	.94	1.22	3.81
1/2	1/2	3608 62 22	.59	22	.79	1.89	.59	.94	1.22	4.41

3608 male branch tee — metric tube to BSPT to tube



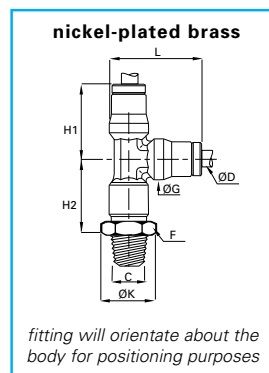
ØD mm	C BSPT		F mm	G mm	H mm	K mm	L mm	
4	R1/8	3608 04 10	10	10	24.5	11	18	.020
6	R1/8	3608 06 10	13	12	29.5	14	21.5	.033
6	R1/4	3608 06 13	14	12	30.5	15	21.5	.038
8	R1/8	3608 08 10	14	15	32.5	15	23.5	.049
8	R1/4	3608 08 13	14	15	34	15	23.5	.052
10	R1/4	3608 10 13	18	17.5	39	19.5	29	.082
10	R3/8	3608 10 17	18	17.5	41	19.5	29	.074
12	R3/8	3608 12 17	21	19.5	46.5	23	31	.108
14	R1/2	3608 14 21	22	21.5	50.5	24	34	.142

3603 male run tee — fractional inch tube to tube to NPT



ØD in	C NPT		E in	F mm	G in	H1 in	H2 in	J in	K in	L in	
5/32	1/8	3603 04 11	.30	11	.39	.71	.77	.28	.47	.91	.71
5/32	1/4	3603 04 14	.43	14	.39	.71	.85	.28	.59	.91	.93
1/4	1/8	3603 56 11	.30	13	.49	.87	.93	.32	.55	1.12	1.16
1/4	1/4	3603 56 14	.43	14	.49	.87	.97	.32	.59	1.12	1.31
1/4	3/8	3603 56 18	.45	18	.49	.87	.97	.32	.77	1.12	1.54
3/8	1/4	3603 60 14	.43	18	.67	1.14	1.20	.47	.77	1.48	2.89
3/8	3/8	3603 60 18	.45	18	.67	1.14	1.28	.47	.77	1.48	2.82
3/8	1/2	3603 60 22	.59	22	.67	1.14	1.28	.47	.94	1.48	3.10
1/2	3/8	3603 62 18	.45	22	.79	1.22	1.46	.59	.94	1.61	4.02
1/2	1/2	3603 62 22	.59	22	.79	1.22	1.50	.59	.94	1.61	4.16

3603 male run tee — metric tube to tube to BSPT



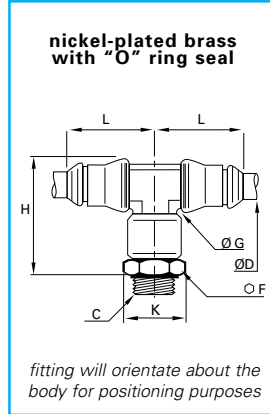
ØD mm	C BSPT		F mm	G mm	H1 mm	H2 mm	K mm	L mm	
4	R1/8	3603 04 10	10	10	18	19.5	11	23	.020
6	R1/8	3603 06 10	13	12	21.5	23.5	14	28	.033
6	R1/4	3603 06 13	14	12	21.5	24.5	15	28	.037
8	R1/8	3603 08 10	14	15	23.5	25	15	31	.048
8	R1/4	3603 08 13	14	15	23.5	26.5	15	31	.053
10	R1/4	3603 10 13	18	17.5	29	30.5	19.5	37.5	.082
10	R3/8	3603 10 17	18	17.5	29	32.5	19.5	37.5	.074
12	R3/8	3603 12 17	21	19.5	31	36.5	23	40.5	.114
14	R1/2	3603 14 21	22	21.5	34	40	24	45	.142

= suitable for food applications

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

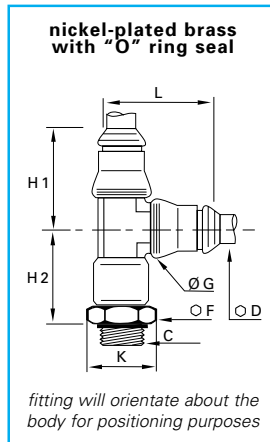
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3698 male branch tee — tube to UNF, BSPP or M5 to tube



ØD in	C UNF		F mm	G in	H in	K in	L in	
5/32	10-32	3698 04 20	10	.39	1.00	.47	.71	.60
mm BSPP/M5			metric		mm	mm	mm	mm mm Δ kg Δ
4	M5x0.8	3698 04 19	10	10	27.5	11	18	.017
4	G1/8	3698 04 10	13	10	25.5	14	18	.022
6	G1/8	3698 06 10	13	12	31	14	21.5	.032
6	G1/4	3698 06 13	16	12	30.5	17.5	21.5	.038
8	G1/8	3698 08 10	14	15	33.5	15	23.5	.049
8	G1/4	3698 08 13	16	15	34	17.5	23.5	.053
10	G1/4	3698 10 13	18	17.5	42	19.5	29	.081
12	G3/8	3698 12 17	21	19.5	46	23	31	.112
14	G1/2	3698 14 21	24	21.5	49	26	34	.109

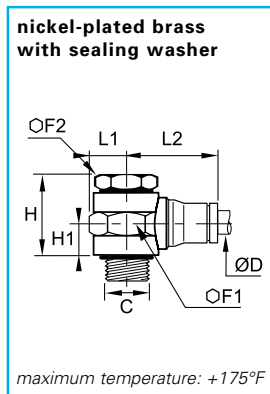
3693 male run tee — tube to tube to UNF, BSPP or M5



ØD in	C UNF		F mm	G in	H1 in	H2 in	K in	L in	
5/32	10-32	3693 04 20	10	.39	.71	.81	.47	.91	.64
mm BSPP/M5			metric		mm	mm	mm	mm	mm mm Δ kg Δ
4	M5x0.8	3693 04 19	10	10	18	22.5	11	23	.018
4	G1/8	3693 04 10	13	10	18	20.5	14	23	.021
6	G1/8	3693 06 10	13	12	21.5	25	14	28	.032
6	G1/4	3693 06 13	16	12	21.5	24.5	17.5	28	.039
8	G1/8	3693 08 10	14	15	23.5	26.5	15	31	.048
8	G1/4	3693 08 13	16	15	23.5	26.5	17.5	31	.053
10	G1/4	3693 10 13	18	17.5	29	33	19.5	37.5	.081
12	G3/8	3693 12 17	21	19.5	31	36.5	23	40.5	.111
14	G1/2	3693 14 21	24	21.5	34	38.5	26	45	.129

= suitable for food applications

3618 single banjo — metric tube to BSPP or M5



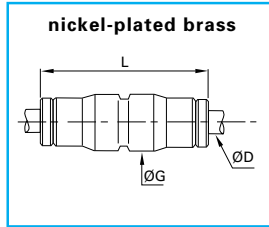
ØD mm	C BSPP/ metric		F1 mm	F2 mm	H mm	H1 mm	L1 mm	L2 mm	
4	M5x0.8	3618 04 19	10	8	14.5	6.5	6	18.5	0.011
4	G1/8	3618 04 10	17	14	23	9.5	10	20.5	0.041
6	M5x0.8	3618 06 19	10	8	15	7	6	22.5	0.014
6	G1/8	3618 06 10	17	14	23	9.5	10	23.5	0.045
6	G1/4	3618 06 13	22	17	22	9	13	25.5	0.068
8	G1/8	3618 08 10	17	14	23	9.5	10	26	0.046
8	G1/4	3618 08 13	22	17	22	9	13	27.5	0.066
10	G3/8	3618 10 17	22	22	33	14	13	32	0.105

suitable for industrial applications only

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

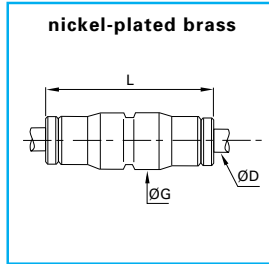
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3606 straight union — fractional inch tube to tube



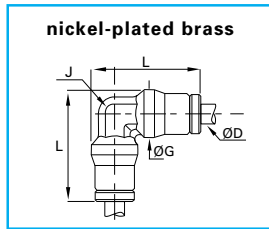
ØD in		G in	L in	△ oz
5/32	3606 04 00	.39	1.20	.32
1/4	3606 56 00	.49	1.44	.53
5/16	3606 08 00	.59	1.48	.81
3/8	3606 60 00	.67	1.87	1.27
1/2	3606 62 00	.79	1.89	1.69

3606 straight union — metric tube to tube



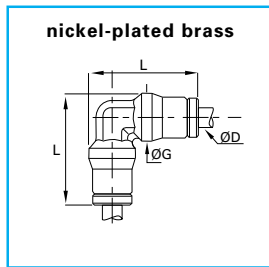
ØD mm		G mm	L mm	△ kg
4	3606 04 00	10	30.5	.009
6	3606 06 00	12	36.5	.015
8	3606 08 00	15	37.5	.023
10	3606 10 00	17.5	47.5	.036
12	3606 12 00	19.5	50	.048
14	3606 14 00	21.5	52.5	.054

3602 union elbow — fractional inch tube to tube



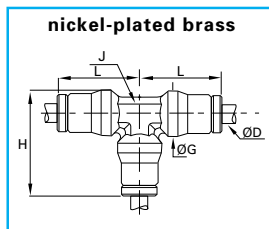
ØD in		G in	J in	L in	△ oz
5/32	3602 04 00	.39	.28	.91	.32
1/4	3602 56 00	.49	.32	1.12	.60
5/16	3602 08 00	.59	.39	1.22	.88
3/8	3602 60 00	.67	.47	1.48	1.34
1/2	3602 62 00	.79	.59	1.61	1.98

3602 union elbow — metric tube to tube



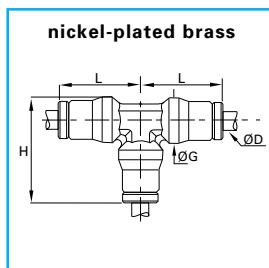
ØD mm		G mm	L mm	△ kg
4	3602 04 00	10	23	.009
6	3602 06 00	12	28	.017
8	3602 08 00	15	31	.025
10	3602 10 00	17.5	37.5	.038
12	3602 12 00	19.5	40.5	.056
14	3602 14 00	21.5	45	.068

3604 union tee — fractional inch tube to tube to tube



ØD in		G in	H in	J in	L in	△ oz
5/32	3604 04 00	.39	.91	.28	.71	.46
1/4	3604 56 00	.49	1.12	.32	.87	.81
5/16	3604 08 00	.59	1.22	.39	.93	1.20
3/8	3604 60 00	.67	1.48	.47	1.14	1.90
1/2	3604 62 00	.79	1.61	.59	1.22	2.68

3604 union tee — metric tube to tube to tube



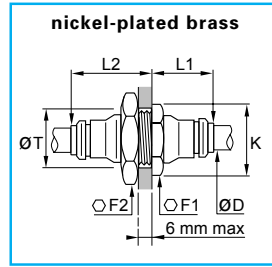
ØD mm		G mm	H mm	L mm	△ kg
4	3604 04 00	10	23	18	.013
6	3604 06 00	12	28	21.5	.023
8	3604 08 00	15	31	23.5	.034
10	3604 10 00	17.5	37.5	29	.054
12	3604 12 00	19.5	40.5	31	.076
14	3604 14 00	21.5	45	34	.096

= suitable for food applications

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

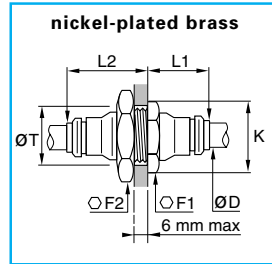
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3616 bulkhead connector — fractional inch tube to tube



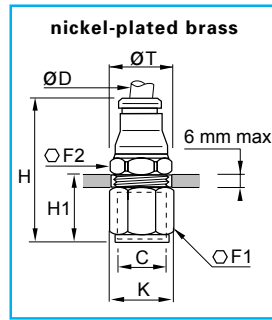
ØD in		F1 mm	F2 mm	K in	L1 in	L2 in	T in	kg
5/32	3616 04 00	13	14	.55	.55	.79	.49	.64
1/4	3616 56 00	16	17	.69	.67	.89	.59	1.06
5/16	3616 08 00	18	19	.77	.73	.93	.67	1.34
3/8	3616 60 00	22	27	.95	.87	1.10	.85	2.29
1/2	3616 62 00	24	24	1.16	.89	1.14	1.04	2.50

3616 bulkhead connector — metric tube to tube



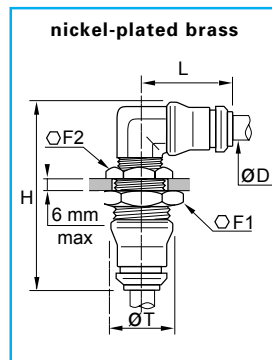
ØD mm		F1 mm	F2 mm	K mm	L1 mm	L2 mm	T mm	kg
4	3616 04 00	13	14	14	14	20	12.5	.018
6	3616 06 00	16	17	17.5	17	22	15	.030
8	3616 08 00	18	19	19.5	18.5	23.5	17	.038
10	3616 10 00	22	27	24	21.5	26.5	21	.065
12	3616 12 00	24	24	26	23	27	23	.071
14	3616 14 00	27	27	29.5	25.5	29.5	25	.098

3636 female bulkhead connector — metric tube to BSPP



ØD mm	C mm		F1 mm	F2 mm	H mm	H1 mm	K mm	T mm	kg
4	G1/8	3636 04 10	14	14	30.5	11	15	13	.024
6	G1/8	3636 06 10	17	17	32.5	11	18.5	15	.032
6	G1/4	3636 06 13	17	17	37	15	18.5	15	.036
8	G1/8	3636 08 10	19	19	34	10.5	21	17	.041
8	G1/4	3636 08 13	19	19	38	14.5	21	17	.040
10	G3/8	3636 10 17	22	27	42.5	16	24	21	.075
12	G3/8	3636 12 17	24	24	43	16	26	23	.092
12	G1/2	3636 12 21	27	24	48.5	21.5	29.5	23	.116

3639 bulkhead elbow — metric tube to tube



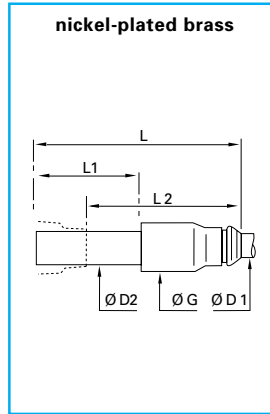
ØD mm		F1 mm	F2 mm	H mm	K mm	L mm	T mm	kg
4	3639 04 00	13	14	35	14	18	12.5	.024
6	3639 06 00	16	17	40.5	17.5	21.5	15	.038
8	3639 08 00	18	19	44	19.5	23.5	17	.054
10	3639 10 00	22	27	51	24	29	21	.088
12	3639 12 00	24	24	55	26	31	23	.117
14	3639 14 00	27	27	59	29.5	34	25	.144

= suitable for food applications

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

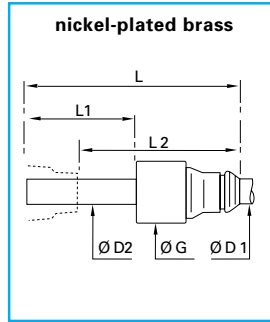
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3666 plug-in reducer — metric



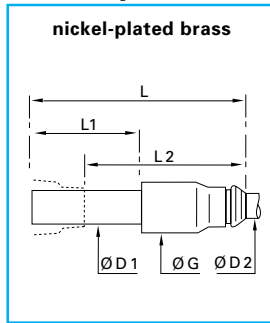
ØD1 mm	ØD2 mm		G mm	L mm	L1 mm	L2 mm	Δ kg
4	6	3666 04 06	10	34.5	19	17.5	.005
4	8	3666 04 08	10	35.5	20	18	.006
6	8	3666 06 08	12	37	20	19.5	.003
6	10	3666 06 10	12	43.5	25	21	.009
8	10	3666 08 10	15	44	25	21.5	.012
8	12	3666 08 12	15	45	26	21.5	.013
10	12	3666 10 12	17.5	50	26	26.5	.018
12	14	3666 12 14	19.5	53	28	28.5	.039

3668 plug-in expander — metric



ØD1 mm	ØD2 mm		G mm	L mm	L1 mm	L2 mm	Δ kg
6	4	3668 06 04	17	42	22	28	.013

3667 plug-in — metric/inch adapter



ØD1 mm	ØD2 in		G mm	L mm	L1 mm	L2 mm	Δ kg
6	1/4	3667 06 56	12.5	38	19	20.5	.016
10	3/8	3667 10 60	17	49.5	25	27	.020
12	1/2	3667 12 62	20	51	26	27.5	.040

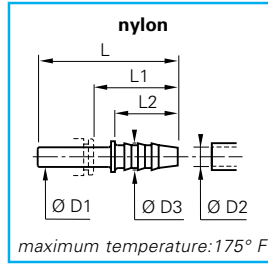
This item allows fractional inch tube to be used with fittings designed for use with mm tubing.

= suitable for food applications

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

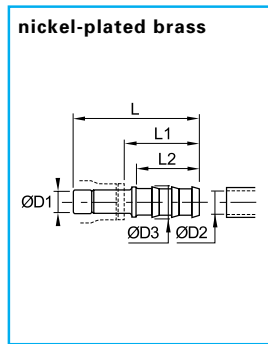
3122 barbed connector — fractional inch



ØD1 in	ØD2 in	ØD3 in		L in	L1 in	L2 in	
5/32	.12	.20	3122 04 53	1.46	.98	.67	.11
5/32	.20	.28	3122 04 05	1.46	.98	.67	.11
5/16	.25	.34	3122 08 56	1.55	.83	.67	.04
5/16	.32	.39	3122 08 08	1.75	1.02	.87	.04
3/8	.32	.39	3122 60 08	1.97	1.16	.87	.11

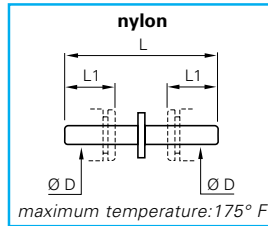
Dimensions for ØD2 are I.D. of the tube.

3622 plug-in barbed connector — metric



ØD1 mm	ØD2 mm	ØD3 mm		L mm	L1 mm	L2 mm	
4	3.2	5	3622 04 53	40.5	27	22.5	0.003
4	5	7	3622 04 05	40.5	27	22.5	0.004
6	5	7	3622 06 05	43	27	22.5	0.006
8	6.3	8.3	3622 08 56	42	25	22.5	0.008
8	8	10	3622 08 08	44	27	22.5	0.009
10	6.3	10	3622 10 56	47.5	25.5	22.5	0.011
10	8	8.3	3622 10 08	47.5	25.5	22.5	0.011
12	8	10	3622 12 08	48.5	25.5	22.5	0.013
12	10	12	3622 12 10	48.5	25.5	22.5	0.014
12	12.5	14.5	3622 12 62	57	34	29.5	0.019
14	12.5	14.5	3622 14 62	57.5	33	29.5	0.022
14	14	16	3622 14 14	59.5	35	29.5	0.023

3120 double male union — fractional inch



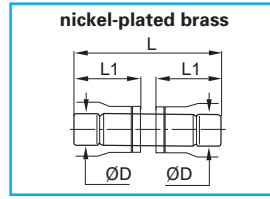
ØD in		L in	L1 in	
5/32	3120 04 00	1.36	.47	.04
3/16	3120 55 00 85*	1.24	.57	.12
1/4	3120 56 00	1.52	.57	.03
5/16	3120 08 00	1.61	.73	.07
3/8	3120 60 00	2.03	.81	.07
1/2	3120 62 00 85*	2.13	.86	.46

*nickel-plated brass

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS

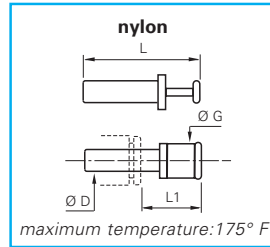
FOR LIQUID, GAS & FOOD PROCESSING INDUSTRY – LF3600

3620 double male union — metric



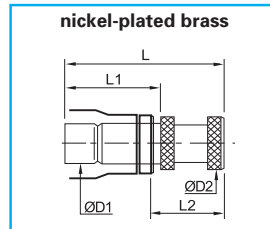
ØD mm		L mm	L1 mm	kg
4	3620 04 00	31	14	.002
6	3620 06 00	36.5	17	.005
8	3620 08 00	37.5	17.5	.007
10	3620 10 00	47.5	22.5	.010
12	3620 12 00	49.5	23.5	.014
14	3620 14 00	53	25	.017

3126 plug — fractional inch



ØD in		G in	L in	L1 in	oz
1/8	3126 53 00	.24	1.30	.85	.05
5/32	3126 04 00	.16	1.18	.61	.04
3/16	3126 55 00	.27	1.36	.79	.06
1/4	3126 56 00	.32	1.44	.87	.06
5/16	3126 08 00	.39	1.38	.69	.07
3/8	3126 60 00	.46	1.67	.87	.10
1/2	3126 62 00	.58	1.91	.85	.18

3626 plug — metric



ØD1 mm	ØD2 mm		L mm	L1 mm	L2 mm	kg
4	6	3626 04 00	25.5	17	11.5	.004
6	8	3626 06 00	30.5	19.5	13.5	.009
8	10	3626 08 00	33	20	16	.010
10	12	3626 10 00	40	25	18	.015
12	14	3626 12 00	43	26	20	.025
14	16	3626 14 00	47	28	22.5	.029

TAPERED POLY CAPS AND PLUGS

FEATURES

- Can be used as either caps or plugs
- Non threaded
- Tapered in design and made from highly pliable (or flexible) polyethylene
- Can be applied to fit snugly but are readily removable... whether used for capping or plugging
- Assortment available
 - 18 Sizes
 - 405 pieces



APPLICABLE SPECS

- MIL-C-5501/7 (MIL-C52078)
- NAS-834

APPLICATIONS

- SAE-type tube
- SAE-type hydraulic fittings
- Threaded external NPT fittings
- Threaded internal NPT fittings
- Unthreaded standard weight pipe

DESCRIPTION	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	PKG	P/N
<i>T-00 TAPERED POLY CAP/PLUG</i>	<i>0.116</i>	<i>0.182</i>	<i>0.053</i>	<i>0.12</i>	<i>0.38</i>	<i>0.31</i>	<i>R</i>	<i>39887</i>
<i>T-00S TAPERED POLY CAP/PLUG</i>	<i>0.14</i>	<i>0.18</i>	<i>0.088</i>	<i>0.109</i>	<i>0.22</i>	<i>0.31</i>	<i>R</i>	<i>39888</i>
<i>T-00X TAPERED POLY CAP/PLUG</i>	<i>0.145</i>	<i>0.205</i>	<i>0.079</i>	<i>0.15</i>	<i>0.38</i>	<i>0.41</i>	<i>R</i>	<i>39889</i>
<i>T-0 TAPERED POLY CAP/PLUG</i>	<i>0.173</i>	<i>0.24</i>	<i>0.111</i>	<i>0.177</i>	<i>0.38</i>	<i>0.38</i>	<i>R</i>	<i>39890</i>
<i>T-0X TAPERED POLY CAP/PLUG</i>	<i>0.184</i>	<i>0.255</i>	<i>0.113</i>	<i>0.172</i>	<i>0.38</i>	<i>0.38</i>	<i>R</i>	<i>39891</i>
T-1 TAPERED POLY CAP/PLUG	0.236	0.0302	0.174	0.24	0.38	0.44	R	39892
T-2 TAPERED POLY CAP/PLUG	0.299	0.365	0.235	0.302	0.38	0.5	R	39893
<i>T-2S TAPERED POLY CAP/PLUG</i>	<i>0.325</i>	<i>0.367</i>	<i>0.263</i>	<i>0.305</i>	<i>0.19</i>	<i>0.5</i>	<i>R</i>	<i>39894</i>
T-2X TAPERED POLY CAP/PLUG	0.33	0.396	0.267	0.333	0.38	0.53	R	39895
T-3 TAPERED POLY CAP/PLUG	0.361	0.427	0.298	0.365	0.38	0.56	R	39896
<i>T-3X TAPERED POLY CAP/PLUG</i>	<i>0.39</i>	<i>0.456</i>	<i>0.327</i>	<i>0.394</i>	<i>0.38</i>	<i>0.59</i>	<i>R</i>	<i>39897</i>
T-4 TAPERED POLY CAP/PLUG	0.419	0.485	0.356	0.422	0.38	0.63	R	39898
<i>T-4X TAPERED POLY CAP/PLUG</i>	<i>0.447</i>	<i>0.513</i>	<i>0.385</i>	<i>0.451</i>	<i>0.38</i>	<i>0.66</i>	<i>R</i>	<i>39899</i>
T-5 TAPERED POLY CAP/PLUG	0.471	0.547	0.409	0.485	0.44	0.69	R	39900
<i>T-5X TAPERED POLY CAP/PLUG</i>	<i>0.5</i>	<i>0.576</i>	<i>0.44</i>	<i>0.516</i>	<i>0.44</i>	<i>0.72</i>	<i>R</i>	<i>39901</i>
<i>T-5S TAPERED POLY CAP/PLUG</i>	<i>0.533</i>	<i>0.562</i>	<i>0.477</i>	<i>0.506</i>	<i>0.22</i>	<i>0.88</i>	<i>R</i>	<i>39902</i>
T-6 TAPERED POLY CAP/PLUG	0.532	0.608	0.468	0.545	0.44	0.75	R	39903
T-6X TAPERED POLY CAP/PLUG	0.55	0.631	0.487	0.568	0.47	0.75	R	39904
<i>T-6S TAPERED POLY CAP/PLUG</i>	<i>0.554</i>	<i>0.612</i>	<i>0.49</i>	<i>0.551</i>	<i>0.31</i>	<i>0.75</i>	<i>R</i>	<i>39905</i>
T-7 TAPERED POLY CAP/PLUG	0.58	0.667	0.518	0.605	0.5	0.81	R	39906
<i>T-7X TAPERED POLY CAP/PLUG</i>	<i>0.61</i>	<i>0.695</i>	<i>0.549</i>	<i>0.634</i>	<i>0.5</i>	<i>0.84</i>	<i>R</i>	<i>39907</i>
<i>T-8 TAPERED POLY CAP/PLUG</i>	<i>0.64</i>	<i>0.727</i>	<i>0.578</i>	<i>0.664</i>	<i>0.5</i>	<i>0.88</i>	<i>R</i>	<i>39908</i>
<i>T-8S TAPERED POLY CAP/PLUG</i>	<i>0.669</i>	<i>0.694</i>	<i>0.613</i>	<i>0.638</i>	<i>0.19</i>	<i>0.75</i>	<i>R</i>	<i>39909</i>
T-8X TAPERED POLY CAP/PLUG	0.675	0.755	0.613	0.693	0.5	0.88	R	39910
T-9 TAPERED POLY CAP/PLUG	0.69	0.788	0.628	0.726	0.56	0.94	R	39911
T-9X TAPERED POLY CAP/PLUG	0.725	0.823	0.663	0.761	0.56	0.97	R	39912
<i>T-9S TAPERED POLY CAP/PLUG</i>	<i>0.74</i>	<i>0.765</i>	<i>0.678</i>	<i>0.703</i>	<i>0.19</i>	<i>0.88</i>	<i>R</i>	<i>39913</i>
T-10 TAPERED POLY CAP/PLUG	0.75	0.848	0.687	0.785	0.56	1	R	39914
T-11 TAPERED POLY CAP/PLUG	0.802	0.911	0.74	0.849	0.63	1.06	N	39915
<i>T-11X TAPERED POLY CAP/PLUG</i>	<i>0.815</i>	<i>0.93</i>	<i>0.753</i>	<i>0.868</i>	<i>0.63</i>	<i>1.09</i>	<i>N</i>	<i>39916</i>
<i>T-15A TAPERED POLY CAP/PLUG</i>	<i>0.836</i>	<i>1.305</i>	<i>0.777</i>	<i>1.247</i>	<i>1.06</i>	<i>1.43</i>	<i>N</i>	<i>39917</i>
<i>T-11S TAPERED POLY CAP/PLUG</i>	<i>0.837</i>	<i>0.89</i>	<i>0.757</i>	<i>0.81</i>	<i>0.22</i>	<i>1.05</i>	<i>N</i>	<i>39918</i>
<i>T-12 TAPERED POLY CAP/PLUG</i>	<i>0.866</i>	<i>0.975</i>	<i>0.803</i>	<i>0.912</i>	<i>0.63</i>	<i>1.13</i>	<i>N</i>	<i>39919</i>
T-12X TAPERED POLY CAP/PLUG	0.915	1.04	0.855	0.98	0.69	1.16	N	39920
<i>T-13A TAPERED POLY CAP/PLUG</i>	<i>0.96</i>	<i>1.047</i>	<i>0.9</i>	<i>0.987</i>	<i>0.5</i>	<i>1.19</i>	<i>N</i>	<i>39921</i>
T-13 TAPERED POLY CAP/PLUG	0.964	1.09	0.901	1.027	0.75	1.25	L	39922
<i>T-13X TAPERED POLY CAP/PLUG</i>	<i>0.995</i>	<i>1.145</i>	<i>0.933</i>	<i>1.083</i>	<i>0.75</i>	<i>1.31</i>	<i>N</i>	<i>39923</i>
<i>T-14 TAPERED POLY CAP/PLUG</i>	<i>1.094</i>	<i>1.215</i>	<i>1.031</i>	<i>1.152</i>	<i>0.75</i>	<i>1.41</i>	<i>N</i>	<i>39924</i>
<i>T-16A TAPERED POLY CAP/PLUG</i>	<i>1.14</i>	<i>1.42</i>	<i>1.085</i>	<i>1.358</i>	<i>0.81</i>	<i>1.56</i>	<i>I</i>	<i>39925</i>
<i>T-14X TAPERED POLY CAP/PLUG</i>	<i>1.175</i>	<i>1.284</i>	<i>1.113</i>	<i>1.222</i>	<i>0.63</i>	<i>1.44</i>	<i>N</i>	<i>39926</i>
<i>T-15 TAPERED POLY CAP/PLUG</i>	<i>1.224</i>	<i>1.355</i>	<i>1.161</i>	<i>1.292</i>	<i>0.75</i>	<i>1.5</i>	<i>N</i>	<i>39927</i>
T-15X TAPERED POLY CAP/PLUG	1.235	1.36	1.173	1.298	0.81	1.5	L	39928
<i>T-17A TAPERED POLY CAP/PLUG</i>	<i>1.239</i>	<i>1.507</i>	<i>1.169</i>	<i>1.437</i>	<i>0.75</i>	<i>1.63</i>	<i>N</i>	<i>39929</i>
<i>T-15S TAPERED POLY CAP/PLUG</i>	<i>1.285</i>	<i>1.346</i>	<i>1.227</i>	<i>1.288</i>	<i>0.38</i>	<i>1.47</i>	<i>N</i>	<i>39930</i>
<i>T-16 TAPERED POLY CAP/PLUG</i>	<i>1.312</i>	<i>1.465</i>	<i>1.249</i>	<i>1.402</i>	<i>0.88</i>	<i>1.63</i>	<i>N</i>	<i>39931</i>
<i>T-16S TAPERED POLY CAP/PLUG</i>	<i>1.395</i>	<i>1.465</i>	<i>1.345</i>	<i>1.405</i>	<i>0.39</i>	<i>1.59</i>	<i>N</i>	<i>39932</i>
<i>T-20A TAPERED POLY CAP/PLUG</i>	<i>1.44</i>	<i>1.895</i>	<i>1.378</i>	<i>1.833</i>	<i>1.28</i>	<i>2.06</i>	<i>I</i>	<i>39933</i>
<i>T-17 TAPERED POLY CAP/PLUG</i>	<i>1.447</i>	<i>1.6</i>	<i>1.384</i>	<i>1.537</i>	<i>0.88</i>	<i>1.75</i>	<i>I</i>	<i>39934</i>
T-17S TAPERED POLY CAP/PLUG	1.513	1.6	1.451	1.537	0.5	1.75	L	39935
<i>T-18 TAPERED POLY CAP/PLUG</i>	<i>1.56</i>	<i>1.682</i>	<i>1.498</i>	<i>1.62</i>	<i>0.75</i>	<i>1.88</i>	<i>I</i>	<i>39936</i>
<i>T-18X TAPERED POLY CAP/PLUG</i>	<i>1.63</i>	<i>1.75</i>	<i>1.568</i>	<i>1.688</i>	<i>0.75</i>	<i>1.94</i>	<i>I</i>	<i>39937</i>
<i>T-21A TAPERED POLY CAP/PLUG</i>	<i>1.738</i>	<i>2.163</i>	<i>1.668</i>	<i>2.093</i>	<i>1.18</i>	<i>2.31</i>	<i>I</i>	<i>39938</i>
<i>T-19 TAPERED POLY CAP/PLUG</i>	<i>1.75</i>	<i>1.88</i>	<i>1.688</i>	<i>1.818</i>	<i>0.75</i>	<i>2</i>	<i>I</i>	<i>39939</i>
<i>T-20 TAPERED POLY CAP/PLUG</i>	<i>1.78</i>	<i>1.95</i>	<i>1.718</i>	<i>1.888</i>	<i>1</i>	<i>2.13</i>	<i>I</i>	<i>39940</i>
<i>T-20S TAPERED POLY CAP/PLUG</i>	<i>1.781</i>	<i>1.805</i>	<i>1.722</i>	<i>1.746</i>	<i>0.38</i>	<i>2</i>	<i>I</i>	<i>39941</i>
<i>T-210 TAPERED POLY CAP/PLUG</i>	<i>1.844</i>	<i>2</i>	<i>1.781</i>	<i>1.938</i>	<i>1</i>	<i>2.13</i>	<i>I</i>	<i>39942</i>

Bold italic text = Non-stock item

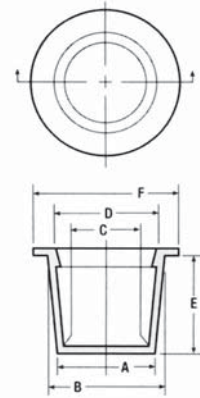
Please allow for up to 2 weeks for delivery.

TAPERED POLY CAPS AND PLUGS

DESCRIPTION	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	PKG	P/N
T-21 TAPERED POLY CAP/PLUG	1.9	2.076	1.837	2.013	1	2.25	I	39943
T-22A TAPERED POLY CAP/PLUG	1.935	2.31	1.875	2.255	0.85	2.47	I	39944
T-220 TAPERED POLY CAP/PLUG	1.975	2.132	1.913	2.07	1	2.25	I	39945
T-22S TAPERED POLY CAP/PLUG	2.015	2.147	1.953	2.085	0.75	2.31	I	39946
T-221 TAPERED POLY CAP/PLUG	2.067	2.243	2.005	2.181	1	2.44	I	39947
T-25A TAPERED POLY CAP/PLUG	2.125	2.406	2.063	2.377	1	2.53	I	39948
T-230 TAPERED POLY CAP/PLUG	2.136	2.312	2.074	2.25	1	2.56	I	39949
T-24S TAPERED POLY CAP/PLUG	2.23	2.26	2.168	2.198	0.5	2.5	I	39950
T-240 TAPERED POLY CAP/PLUG	2.298	2.464	2.235	2.401	1	2.63	I	39951
T-33A TAPERED POLY CAP/PLUG	2.307	2.65	2.245	2.588	1.25	2.78	E	39952
T-250 TAPERED POLY CAP/PLUG	2.395	2.602	2.333	2.54	1.03	2.81	I	39953
T-43A TAPERED POLY CAP/PLUG	2.457	2.75	2.395	2.688	1	2.88	E	39954
T-33A1 TAPERED POLY CAP/PLUG	2.48	2.644	2.418	2.582	0.63	2.78	I	39955
T-43X TAPERED POLY CAP/PLUG	2.555	2.69	2.493	2.628	0.63	2.88	E	39956
T-44 TAPERED POLY CAP/PLUG	2.641	2.79	2.579	2.728	0.75	2.94	E	39957
T-45A TAPERED POLY CAP/PLUG	2.76	2.99	2.685	2.947	1	3.13	E	39958
T-500 TAPERED POLY CAP/PLUG	2.849	2.98	2.787	2.918	0.75	3.25	E	39959
T-53 TAPERED POLY CAP/PLUG	2.975	3.103	2.915	3.041	0.75	3.34	E	39960
T-55A TAPERED POLY CAP/PLUG	2.982	3.245	2.912	3.175	1	3.38	E	39961
T-96A TAPERED POLY CAP/PLUG	3.27	3.562	3.2	3.492	1.13	3.69	E	39962
T-501 TAPERED POLY CAP/PLUG	3.325	3.457	3.245	3.377	0.75	3.63	E	39963
T-1050 TAPERED POLY CAP/PLUG	3.47	3.6	3.41	3.54	0.75	3.88	C	39964
T-1051 TAPERED POLY CAP/PLUG	3.55	3.73	3.48	3.66	1	4	E	39965
T-1052 TAPERED POLY CAP/PLUG	3.68	3.8	3.61	3.73	0.75	4	E	39966
T-502 TAPERED POLY CAP/PLUG	3.79	3.92	3.71	3.84	0.75	4.12	E	39967
T-1063 TAPERED POLY CAP/PLUG	3.93	4.07	3.86	4	0.75	4.38	E	39968
T-1064 TAPERED POLY CAP/PLUG	4.02	4.14	3.94	4.07	0.75	4.53	C	39969
T-1067 TAPERED POLY CAP/PLUG	4.09	4.32	4.01	4.24	1.25	4.62	C	39970
T-1070 TAPERED POLY CAP/PLUG	4.27	4.43	4.18	4.34	0.88	4.88	C	39971
T-1072 TAPERED POLY CAP/PLUG	4.37	4.62	4.29	4.54	1	5	C	39972
T-1076 TAPERED POLY CAP/PLUG	4.64	4.85	4.57	4.78	0.88	5.25	C	39973
T-1078 TAPERED POLY CAP/PLUG	4.79	4.97	4.71	4.89	1	5.38	C	39974
T-1079 TAPERED POLY CAP/PLUG	4.91	5.09	4.83	5.01	1	5.5	C	39975
T-1080 TAPERED POLY CAP/PLUG	4.99	5.2	4.92	5.1	1	5.63	C	39976
T-1084 TAPERED POLY CAP/PLUG	5.18	5.36	5.11	5.29	1	5.88	C	39977
T-1086 TAPERED POLY CAP/PLUG	5.33	5.49	5.21	5.37	0.88	5.88	C	39978
T-1088 TAPERED POLY CAP/PLUG	5.47	5.62	5.39	5.54	1	6.13	C	39979
T-1090 TAPERED POLY CAP/PLUG	5.57	5.75	5.49	5.67	1	6.19	A	39980
T-1092 TAPERED POLY CAP/PLUG	5.7	5.87	5.61	5.79	0.98	6.25	A	39981
T-1097 TAPERED POLY CAP/PLUG	6.01	6.18	5.92	6.1	1	6.62	A	39982
T-1100 TAPERED POLY CAP/PLUG	6.18	6.35	6.09	6.26	1	6.75	A	39983
T-1103 TAPERED POLY CAP/PLUG	6.4	6.56	6.33	6.49	0.87	6.94	A	39984
T-1107 TAPERED POLY CAP/PLUG	6.61	6.71	6.53	6.63	1.5	7.19	A	39985
T-1108S TAPERED POLY CAP/PLUG	6.88	7.03	6.8	6.95	0.5	7.67	A	39986
T-1109 TAPERED POLY CAP/PLUG	7.05	7.12	6.97	7.06	1.04	7.63	A	39987
T-1110 TAPERED POLY CAP/PLUG	7.34	7.65	7.26	7.56	1	7.94	A	39988
T-1120 TAPERED POLY CAP/PLUG	7.66	7.84	7.58	7.76	1	8.12	A	39989
T-1128 TAPERED POLY CAP/PLUG	7.97	8.14	7.88	8.05	1	8.38	A	39990
T-1133 TAPERED POLY CAP/PLUG	8.15	8.35	8.05	8.25	1.38	8.75	A	39991
T-1137 TAPERED POLY CAP/PLUG	8.4	8.6	8.3	8.5	1.38	9	A	39992
T-1139 TAPERED POLY CAP/PLUG	8.67	8.73	8.55	8.6	1.5	9.13	A	39993
T-1142 TAPERED POLY CAP/PLUG	9.06	9.364	8.89	9.24	1.75	9.86	A	39994
T-1143 TAPERED POLY CAP/PLUG	10.79	11.098	10.62	10.91	1.75	11.6	A	39995
T-1146 TAPERED POLY CAP/PLUG	11.11	11.455	10.779	11.366	2	11.96	A	39996
T-1314 TAPERED POLY CAP/PLUG	12.79	13.138	12.48	12.923	2	13.64	A	39997

DIMENSIONS

(All dimensions in inches)



When PLUGGING
"B" Dim. must be at least 1% larger than hole to be plugged.
Minimum .020"



When CAPPING
"C" Dim. must be at least 1% smaller than diameter to be capped. Minimum .020"



Bold italic text = Non-stock item
Please allow for up to 2 weeks for delivery.

INCH TUBING

NYLON TUBING

SPECIFICATIONS

RAW MATERIAL: oil
TEMPERATURE: -4°F to +175°F
VACUUM RATING: 28" Hg
SHORE HARDNESS: 60 Durometer
NORM CONFORMITY: NFE 49.100
O.D. OF TUBE: 1/8" to 1/2"
TOLERANCES OF O.D. AND I.D.: +.002 -.004

FOR INDUSTRIAL USE

- 100 foot rolls
- Commonly used in connecting pneumatic systems
- Large range of working temperatures and pressures
- Good chemical and humidity resistance
- Small pressure drop
- Constant rigidity, good aging with constant tolerance on O.D.
- Good absorption of vibration and strong abrasion resistance



O.D. TUBE INCHES	I.D. TUBE INCHES	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)	PART (BLACK)	PART (BLUE)
5/32	.106	.500	A 44445	A 44446	A 44447
1/4	.180	.875	A 44448	A 44449	A 44450
3/8	.275	1.50	A 44451	A 44452	A 44453
1/2	.375	2.00	A 44454	A 44455	A 44456

POLYURETHANE TUBING

SPECIFICATIONS

TEMPERATURE: -40°F to +165°F
VACUUM RATING: 28" Hg
VICAT SOFTENING: -262°F
MELTING POINT: 324°F
SHORE HARDNESS: 95A Durometer
TOLERANCES OF O.D. AND I.D.: +.005 -.005

FOR INDUSTRIAL USE

- 100 foot rolls
- High flexibility and small bend radius
- Strong abrasion resistance
- Large range of working temperatures and pressures
- Good chemical and humidity resistance
- Small pressure drop
- Constant rigidity, good aging, UV resistant



O.D. TUBE INCHES	I.D. TUBE INCHES	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)	PART (BLACK)	PART (BLUE)
5/32	.094	3/8	A 44457	A 44458	A 44459
1/4	.160	1/2	A 44460	A 44461	A 44462
3/8	.245	7/8	A 44463	A 44464	A 44465
1/2	.320	1-1/8	A 44466	A 44467	A 44468

POLYETHYLENE TUBING

SPECIFICATIONS

TEMPERATURE: -40°F to +150°F
VACUUM RATING: 28" Hg
HARDNESS: 44 shore D
O.D. OF TUBE: 1/8" to 1/2"
TOLERANCES OF O.D. AND I.D.: +.004 -.004

FOR INDUSTRIAL USE

- 100 foot rolls
- Good resistance to aggressive and corrosive agents
- FDA approved – material can be used for food applications
- Tasteless and odorless
- Broad resistance to many chemicals and solvents
- Impermeable to gases and moisture



O.D. TUBE INCHES	I.D. TUBE INCHES	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)
1/8	.062	1	A 44469
5/32	.106	1	A 44470
1/4	.170	1-1/4	A 44471
3/8	.250	2	A 44472
1/2	.375	2-1/2	A 44473

TUBING CUTTER

SPECIFICATIONS

- NYLON BODY
- 0.98" HEIGHT
- 3.11" LENGTH
- 1.09 oz.

FEATURES

This tool will cut all resilient plastic tube (e.g. nylon, teflon, polyurethane, braided PVC, soft rubber, etc.) from 1/8" to 1/2" diameter inclusive. It is designed to give a clean cut at right angles to the tube axis. A spring maintains the cutter in the closed position.



P/N 44599

METRIC TUBING

NYLON TUBING

SPECIFICATIONS

RAW MATERIAL: oil
 TEMPERATURE: -4°F to +175°F
 VACUUM RATING: 28" Hg
 SHORE HARDNESS: 60 Durometer
 NORM CONFORMITY: NFE 49.100
 TOLERANCES ON O.D. :
 3 to 5mm: +0.05 -0.08
 6 to 16mm: +0.05 -0.1

FOR INDUSTRIAL USE

- 25 meter rolls
- Commonly used in connecting pneumatic systems
- Large range of working temperatures and pressures
- Good chemical and humidity resistance
- Small pressure drop
- Constant rigidity, good aging with constant tolerance on O.D.
- Good absorption of vibration
- Strong abrasion resistance



O.D. TUBE	I.D. TUBE	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)	PART (BLACK)	PART (BLUE)
4 mm	2 mm	25 mm	A 44474	A 44475	A 44476
6 mm	4 mm	35 mm	A 44477	A 44478	A 44479
8 mm	6 mm	55 mm	A 44480	A 44481	A 44482
10 mm	8 mm	90 mm	A 44483	A 44484	A 44485

POLYURETHANE TUBING

SPECIFICATIONS

TEMPERATURE: -40°F to +165°F
 VACUUM RATING: 28" Hg
 VICAT SOFTENING: -262°F
 MELTING POINT: 324°F
 SHORE HARDNESS: 95A Durometer
 TOLERANCES ON O.D. :
 3 to 8mm: +0.10 -0.10
 10 to 14mm: +0.15 -0.15

FOR INDUSTRIAL USE

- 25 meter rolls
- High flexibility and small bend radius
- Large range of working temperatures and pressures
- Good chemical and humidity resistance
- Small pressure drop
- Constant rigidity, good aging, strong abrasion resistance
- UV resistant



O.D. TUBE	I.D. TUBE	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)	PART (BLACK)	PART (BLUE)
4mm	2.5mm	10 mm	A 44486	A 44487	A 44488
6mm	4mm	15 mm	A 44489	A 44490	A 44491
8mm	5.5mm	20 mm	A 44492	A 44493	A 44494
10mm	7mm	25 mm	A 44495	A 44496	A 44497

POLYETHYLENE TUBING

SPECIFICATIONS

TEMPERATURE: -40°F to +150°F
 VACUUM RATING: 28" Hg
 HARDNESS: 44 shore D
 O.D. OF TUBE: 4mm to 12mm
 TOLERANCES ON O.D. and I.D. :
 +.1mm -0.1mm

FOR INDUSTRIAL USE

- 25 meter rolls
- Good resistance to aggressive and corrosive agents
- FDA approved – material can be used for food applications
- Tasteless and odorless
- Broad resistance to many chemicals and solvents
- Impermeable to gases and moisture



O.D. TUBE	I.D. TUBE	R MINIMUM BEND RADIUS FOR TUBE AT AMBIENT TEMPERATURES IN INCHES	PART (CLEAR)
4 mm	2.7 mm	25.2 mm	A 44498
6 mm	4 mm	31.8 mm	A 44499
8 mm	6 mm	38 mm	A 44524
10 mm	8 mm	51 mm	A 44525

TUBING CUTTER

SPECIFICATIONS

- NYLON BODY
- 0.98" HEIGHT
- 3.11" LENGTH
- 1.09 oz.

FEATURES

This tool will cut all resilient plastic tube (e.g. nylon, teflon, polyurethane, braided PVC, soft rubber, etc.) from 4mm to 14mm diameter inclusive. It is designed to give a clean cut at right angles to the tube axis. A spring maintains the cutter in the closed position.

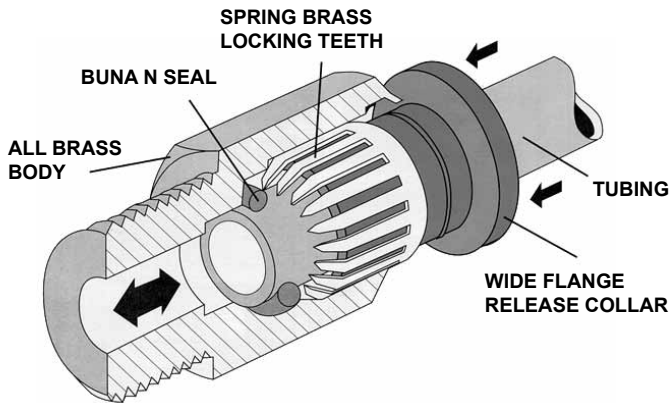


P/N 44599

METRIC INSTANT FITTINGS

THE FASTEST CONNECTIONS FOR AIR, FUEL, WATER AND OIL LINES

Instant pneumatic, hydraulic, instrumentation and lubrication connections. Automatic locking and sealing to maximum working pressure. Release collar for instant removal of tubing and line checks.



- Easy one piece construction
- No tools or extra components needed to connect fitting
- Reduced assembly time . . . up to 75% savings compared to compression fittings
- Automatically locks and seals to maximum working pressure
- Wide release collar allows fast and easy removal of tubing for line checks
- Male pipe threads are precoated with liquid sealant
- Unique positive gripping action of locking teeth allows tubing to withstand vibration with or without pressure
- Because there is no nut, fittings can be closely mounted
- Unrestricted tube I.D. allows for maximum airflow.
- Fully reusable and silicon free

SPECIFICATIONS

PRESSURE: From 27" Hg to 250 PSI

TEMPERATURE: -40°F to +200°F. See tubing pressure and temperature data for tubing limitations.

VIBRATION: Good resistance.

MATERIALS OF CONSTRUCTION: Brass body, spring brass locking teeth, oil resistant Buna N O-ring, tough Delrin® release collar.

USE WITH: Polyethylene, nylon and polyurethane tubing.

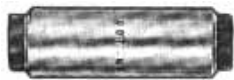
ASSEMBLY INSTRUCTIONS:

1. Simply push the tubing into the fitting until it bottoms.

DISASSEMBLY INSTRUCTIONS:

1. Push in release collar. While pressing on collar, pull out tubing.

UNION



TUBE SIZE	PIPE THREAD	PART
4mm	-	E 56042
6mm	-	E 56043
8mm	-	B 56044
10mm	-	B 56045
12mm	-	B 56046

UNION TEE



TUBE SIZE	PIPE THREAD	PART
4mm	-	B 56052
6mm	-	B 56053
8mm	-	B 56054
10mm	-	A 56055
12mm	-	A 56056

UNION ELBOWS



TUBE SIZE	PIPE THREAD	PART
4mm	-	B 56047
6mm	-	B 56048
8mm	-	B 56049
10mm	-	B 56050
12mm	-	B 56051

METRIC INSTANT FITTINGS (Cont'd.)

MALE CONNECTOR



TUBE SIZE	BSPT THREAD	PART
4mm	M5	E 56000
4mm	1/8	E 56001
4mm	1/4	E 56002
6mm	M5	E 56003
6mm	1/8	E 56004
6mm	1/4	E 56005
8mm	1/8	E 56006
8mm	1/4	E 56007
8mm	3/8	E 56008
10mm	1/4	B 56009
10mm	3/8	B 56010
10mm	1/2	B 56011
12mm	1/4	B 56012
12mm	3/8	B 56013
12mm	1/2	B 56014
14mm	3/8	B 44800
14mm	1/2	B 44801

FEMALE CONNECTOR



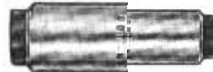
TUBE SIZE	BSPP THREAD	PART
4mm	1/8	B 56057
4mm	1/4	B 56058
4mm	5 x .8	B 44829
6mm	1/8	B 56059
6mm	1/4	B 56060
8mm	1/8	B 56061
8mm	1/4	B 56062
10mm	3/8	B 56063
12mm	3/8	B 56064

MALE SWIVEL BRANCH TEE



TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 56065
6mm	1/8	B 56066
6mm	1/4	B 56067
8mm	1/8	B 56068
8mm	1/4	B 56069
10mm	1/4	A 56070
10mm	3/8	A 56071
12mm	1/4	A 56072
12mm	3/8	A 56073
12mm	1/2	A 56074

UNION REDUCER



TUBE SIZE	TUBE SIZE	PART
6mm	4mm	B 56036
8mm	4mm	B 56037
8mm	6mm	B 56038
10mm	6mm	B 56039
10mm	8mm	B 56040
12mm	10mm	B 56041

NYLON TUBING



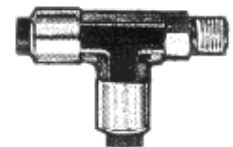
25 METERS

SIZE	PART	SIZE	PART
4mm	A 55686	8mm	A 55689
5mm	A 55687	10mm	A 55690
6mm	A 55688	12mm	A 55691



TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 56015
4mm	1/4	B 56016
6mm	1/8	B 56017
6mm	1/4	B 56018
8mm	1/8	B 56019
8mm	1/4	B 56020
8mm	3/8	B 56021
10mm	1/4	B 56022
10mm	3/8	B 56023
12mm	1/4	A 56024
12mm	3/8	A 56025
12mm	1/2	A 56026

MALE SWIVEL RUN TEE



TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 56027
6mm	1/8	B 56028
6mm	1/4	B 56029
8mm	1/8	B 56030
8mm	1/4	B 56031
10mm	1/4	A 56032
10mm	3/8	A 56033
12mm	3/8	A 56034
12mm	1/2	A 56035

METRIC INSTANT FITTINGS - COMPOSITE

THE FASTEST CONNECTIONS FOR COMPRESSED AIR

Instant pneumatic connections. Automatic locking and sealing to maximum working pressure. Release collar for instant removal of tubing.

- Easy one piece construction
- No tools or extra components needed to connect fitting
- Reduced assembly time . . . up to 75% savings compared to compression fittings
- Automatically locks and seals to maximum working pressure
- Wide release collar allows fast and easy removal of tubing
- TAPERED Male pipe threads are precoated with THREAD sealant
- Unique positive gripping action of GRIPPING RING allows tubing to withstand vibration with or without pressure
- STRAIGHT MALE CONNECTORS HAVE INTERNAL HEX FOR ASSEMBLY WITH AN ALLEN KEY
- Unrestricted tube I.D. allows for maximum airflow.
- Fully reusable and silicon free

SPECIFICATIONS

PRESSURE: From 28" Hg to 290 PSI

TEMPERATURE: -4°F to +175°F. See tubing pressure and temperature data for tubing limitations.

VIBRATION: Good resistance.

MATERIALS OF CONSTRUCTION: Glass-filled nylon body, stainless steel gripping ring, Nitrile "D" seal, polypropylene push-button.

USE WITH: Polyethylene, nylon and polyurethane tubing.

ASSEMBLY INSTRUCTIONS:

Simply push the tubing into the fitting until it bottoms out.

DIS-ASSEMBLY INSTRUCTIONS:

Push in release collar. While pressing on collar, pull out tubing.

UNION



TUBE SIZE	PART	TUBE SIZE	PART
4mm	E 44884	10mm	B 44887
6mm	E 44885	12mm	B 44888
8mm	E 44728	14mm	A 44889

UNION TEE



TUBE SIZE	PART	TUBE SIZE	PART
4mm	E 44715	10mm	B 44877
6mm	B 44875	12mm	A 44878
8mm	B 44718	14mm	A 44879

UNION ELBOWS



TUBE SIZE	PART	TUBE SIZE	PART
4mm	E 44706	10mm	B 44871
6mm	E 44869	12mm	B 44872
8mm	B 44708	14mm	A 44873

UNION REDUCER



TUBE SIZE 1	TUBE SIZE 2	PART
4mm	6mm	B 44890
4mm	8mm	B 44891
6mm	8mm	B 44892
6mm	10mm	B 44893
8mm	10mm	B 44894

EQUAL Y UNION



TUBE SIZE	PART
4mm	B 44895
6mm	B 44896
8mm	B 44897
10mm	B 44898


BULKHEAD UNION





TUBE SIZE	PART	TUBE SIZE	PART
4mm	B 44702	10mm	B 44865
6mm	B 44863	12mm	B 44866
8mm	B 44864	14mm	A 44867


NOTE: NUMBERS IN BOLD ITALIC ARE NON-STOCK ITEMS. PLEASE ALLOW 2-3 WEEKS FOR DELIVERY.


METRIC INSTANT FITTINGS - COMPOSITE (Cont'd.)

MALE BRANCH TEE		
		
TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 44847
4mm	1/4	B 44848
6mm	1/8	B 44849
6mm	1/4	B 44850
8mm	1/8	B 44851
8mm	1/4	B 44852
8mm	3/8	B 44853
10mm	1/4	A 44854
10mm	3/8	A 44855
10mm	1/2	A 44856
12mm	1/4	A 44857
12mm	3/8	A 44858
12mm	1/2	A 44859
14mm	3/8	A 44860
14mm	1/2	A 44861

BANJO ELBOWS		
		
TUBE SIZE	BSPP THREAD	PART
4mm	M5	B 44817
4mm	1/8	B 44818
6mm	1/8	B 44819
6mm	1/4	B 44820
6mm	M5	B 44821
8mm	1/8	B 44822
8mm	1/4	B 44823
8mm	3/8	A 44824
10mm	1/4	A 44825
10mm	3/8	A 44826
12mm	3/8	A 44828

MALE ELBOW		
		
TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 44802
4mm	1/4	B 44803
6mm	1/8	B 44804
6mm	1/4	B 44805
8mm	1/8	B 44806
8mm	1/4	B 44807
8mm	3/8	A 44808
10mm	1/4	A 44809
10mm	3/8	A 44810
10mm	1/2	A 44811
12mm	1/4	A 44812
12mm	3/8	A 44813
12mm	1/2	A 44814
14mm	3/8	A 44815
14mm	1/2	A 44816

UNEQUAL TEE		
		
TUBE SIZE 1	TUBE SIZE 2	PART
4mm	6mm	B 44880
6mm	4mm	B 44881
6mm	8mm	B 44882
8mm	6mm	B 44883

MALE RUN TEE		
		
TUBE SIZE	BSPT THREAD	PART
4mm	1/8	B 44831
4mm	1/4	B 44832
6mm	1/8	B 44834
6mm	1/4	B 44835
8mm	1/8	B 44836
8mm	1/4	B 44837
8mm	3/8	B 44838
10mm	1/4	A 44839
10mm	3/8	A 44840
10mm	1/2	A 44841
12mm	1/4	A 44842
12mm	3/8	A 44843
12mm	1/2	A 44844
14mm	3/8	A 44845
14mm	1/2	A 44846

NOTE: NUMBERS IN BOLD ITALIC ARE NON-STOCK ITEMS. PLEASE ALLOW 2-3 WEEKS FOR DELIVERY.

METRIC FLOW CONTROLS

- PUSH-TO-CONNECT CONNECTION
- COMPACT SIZE COVERS A WIDE RANGE OF FLOW AND CYLINDER SIZE REQUIREMENTS
- LOCK NUT SECURES VALVE TO FINAL SETTING, ENSURING REPEATABILITY
- FINE THREAD FOR BETTER CONTROL ACROSS THE RANGE

MINI KNOB / METER OUT		
SIZE TUBE X BSPP		PART
4mm x M5	B	45021
4mm x 1/8 BSPP	B	45022
6mm x M5	A	45023
6mm x 1/8 BSPP	A	45024
6mm x 1/4 BSPP	A	45025
8mm x 1/8 BSPP	A	45026
8mm x 1/4 BSPP	A	45027

METRIC OIL PAN DRAIN PLUGS & GASKETS

METRIC OIL PAN DRAIN PLUGS

STANDARD

- MADE OF STEEL
- NYLON GASKET INCLUDED



SIZE	PART	SIZE	PART	SIZE	PART
12mm x 1.25	E 54213	16mm x 1.50	E 54215	20mm x 1.50	E 54217
12mm x 1.75	E 54226	18mm x 1.50	E 54216	22mm x 1.50	E 54218
14mm x 1.50	E 54214				

METRIC GASKETS

FIBER GASKETS



SIZE	PART	SIZE	PART	SIZE	PART
12mm	N 54219	16mm	N 54221	20mm	N 54223
14mm	N 54220	18mm	N 54222	22mm	N 54224

NYLON GASKETS



SIZE	PART	SIZE	PART	SIZE	PART
12mm	N 54227	16mm	N 54229	20mm	N 54231
14mm	N 54228	18mm	N 54230	22mm	N 54232

SPECIALTY GASKETS

- ONE-PIECE METAL GASKET WITH SYNTHETIC RUBBER EQUIVALENT O-RING CENTER



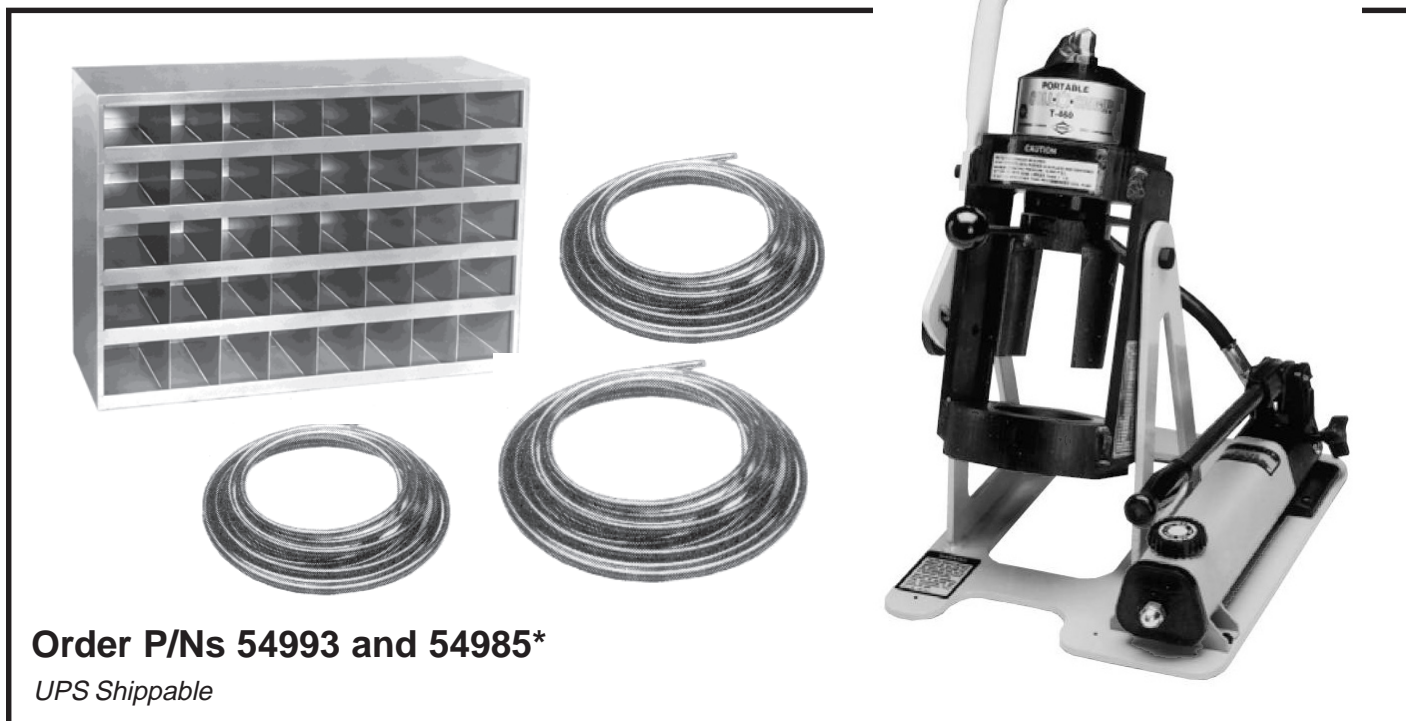
SIZE	PART
12mm	R 54225

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PORTABLE COLL-O-CRIMP®

Starter Hose Assembly System

A complete system for making factory quality hose assemblies in the shop or in the field. Contains all equipment, hose and fittings to make 1/4", 3/8" and 1/2" high pressure hose assemblies. System expands to handle hose and fittings up to 1" in diameter. Saves you time and money and eliminates downtime.



Order P/Ns 54993 and 54985*

UPS Shippable

STARTER SYSTEM CONTAINS:

- 54985 Portable Coll-O-Crimp Machine with Collets for 1/4", 3/8" and 1/2" Hose and Black Die Ring
- WH24504 25' Roll H-245 Hose 1/4"
- WH24506 25' Roll H-245 Hose 3/8"
- WH24508 25' Roll H-245 Hose 1/2"
- 7850 40-Hole Steel Bin, 36 Coll-O-Crimp Hose Ends

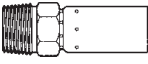
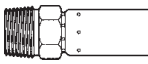
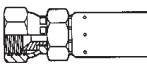
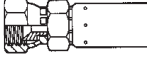
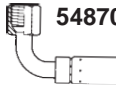
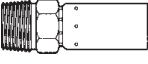
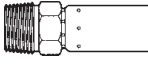
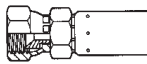


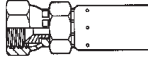
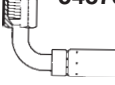
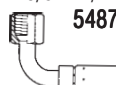
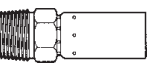
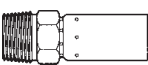


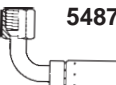
***EQUIPMENT WILL DROP SHIP FROM MANUFACTURER**

****ASK YOUR AGENT FOR DETAILS**

(See Plan-A-Graph for complete details)

PORTABLE COLL-O-CRIMP® STARTER SYSTEM

P/N 7850 — 36 ITEMS / 40 HOLES

<p>Male Pipe Rigid 1/4" x 1/4" 54814</p> 	<p>Male Pipe Rigid 3/8" x 3/8" 54816</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 1/4" x 1/4" 54847</p> 	<p>JIC 37° Flare Female Swivel 1/4" x 3/8" 54849</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 90° Tube Elbow 1/4" x 1/4" 54870</p> 			
<p>Male Pipe Rigid 3/8" x 1/4" 54815</p> 	<p>Male Pipe Rigid 3/8" x 1/2" 54817</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 3/8" x 1/4" 54850</p> 	<p>SAE 45° Flare Female Swivel 3/8" x 3/8" 54851</p> 	<p>JIC 37° Flare Female Swivel 3/8" x 3/8" 54852</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 3/8" x 1/2" 54853</p> 	<p>JIC 37° Flare Female Swivel 90° Tube Elbow 3/8" x 3/8" 54873</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 90° Tube Elbow 3/8" x 1/2" 54874</p> 
<p>Male Pipe Rigid 1/2" x 3/8" 54818</p> 	<p>Male Pipe Rigid 1/2" x 1/2" 54819</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 1/2" x 1/2" 54855</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 1/2" x 5/8" 54856</p> 	<p>SAE 45° / JIC 37° Flare Female Swivel 90° Tube Elbow 1/2" x 1/2" 54875</p> 			

BIN ASSORTMENTS

BLACK MALLEABLE PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7845

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

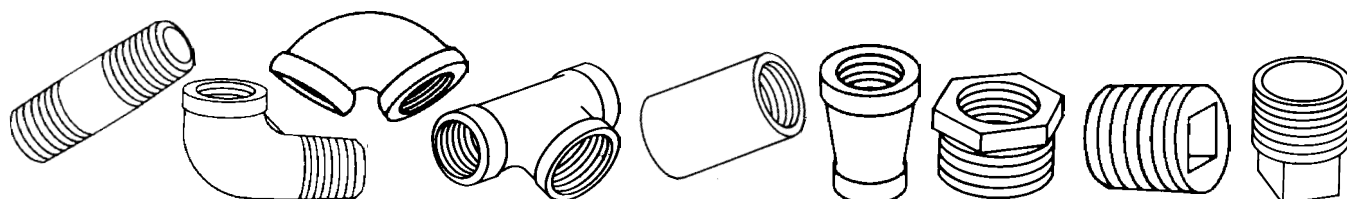
(See Plan-A-Graph for complete details)

Use Bin Label Set #168114

ASSORTMENT CONTAINS:

5 Sizes Hex Bushings	1/4 x 1/8 through 3/4 x 1/2
3 Sizes Tees	1/4 thru 1/2
4 Sizes Elbows	1/8 through 1/2
4 Sizes Street Elbows	1/8 through 1/2
4 Sizes Reducers	1/4 x 1/8 through 3/4 x 1/2
4 Sizes Couplings	1/8 through 1/2
5 Sizes Plugs	1/8 through 3/4
4 Sizes Close Nipples	1/8 through 1/2
4 Sizes Nipples	1/8 x 1-1/2 through 1/2 x 3

1 P/N 7903 — 40-Compartment Bin



BLACK MALLEABLE PIPE FITTINGS

P/N 7845 — 40 ITEMS / 40 HOLES

1/4 x 1/8 HEX BUSHING 55170	3/8 x 1/4 HEX BUSHING 55171	1/2 x 1/4 HEX BUSHING 55175	1/2 x 3/8 HEX BUSHING 55173	3/4 x 1/2 HEX BUSHING 55177	1/4 TEE 55127	3/8 TEE 55128	1/2 TEE 55129
1/8 ELBOW 55101	1/4 ELBOW 55102	3/8 ELBOW 55103	1/2 ELBOW 55104	1/8 STREET ELBOW 55118	1/4 STREET ELBOW 55119	3/8 STREET ELBOW 55120	1/2 STREET ELBOW 55121
1/4 x 1/8 REDUCER 55144	3/8 x 1/4 REDUCER 55145	1/2 x 3/8 REDUCER 55146	3/4 x 1/2 REDUCER 55147	1/8 COUPLING 55135	1/4 COUPLING 55136	3/8 COUPLING 55137	1/2 COUPLING 55138
1/8 PLUG 55190	1/4 PLUG 55191	3/8 PLUG 55192	1/2 PLUG 55193	3/4 PLUG 55194	1/8 CLOSE NIPPLE 55220	1/8 x 1-1/2 NIPPLE 55230	1/4 CLOSE NIPPLE 55221
1/4 x 1-1/2 NIPPLE 55241	1/4 x 2 NIPPLE 55242	3/8 CLOSE NIPPLE 55222	3/8 x 1-1/2 NIPPLE 55251	3/8 x 2 NIPPLE 55252	1/2 CLOSE NIPPLE 55223	1/2 x 2 NIPPLE 55258	1/2 x 3 NIPPLE 55259

BIN ASSORTMENTS

GALVANIZED BLACK IRON PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7846

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

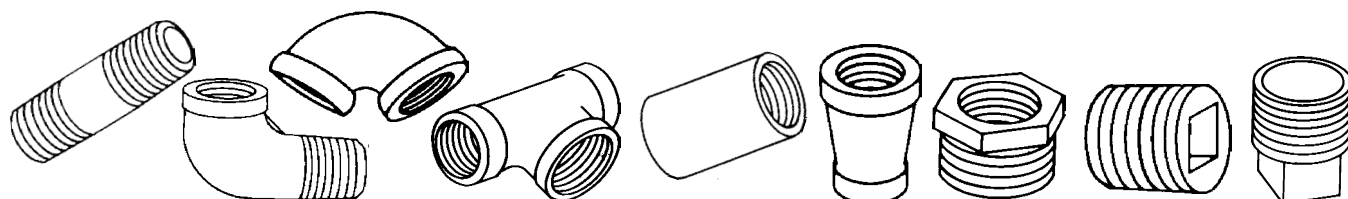
(See Plan-A-Graph for complete details)

Use Bin Label Set #168117

ASSORTMENT CONTAINS:

5 Sizes Hex Bushings	1/4 x 1/8 through 3/4 x 1/2
3 Sizes Tees	1/4 thru 1/2
4 Sizes Elbows	1/8 through 1/2
4 Sizes Street Elbows	1/8 through 1/2
4 Sizes Reducers	1/4 x 1/8 through 3/4 x 1/2
4 Sizes Couplings	1/8 through 1/2
5 Sizes Plugs	1/8 through 3/4
4 Sizes Close Nipples	1/8 through 1/2
4 Sizes Nipples	1/8 x 1-1/2 through 1/2 x 3

1 P/N 7903 — 40-Compartment Bin



GALVANIZED BLACK IRON PIPE FITTINGS

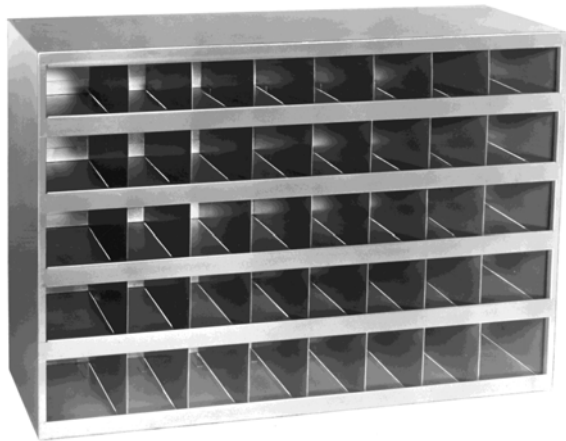
P/N 7846 — 40 ITEMS / 40 HOLES

1/4 x 1/8 HEX BUSHING 56326	3/8 x 1/4 HEX BUSHING 56327	1/2 x 1/4 HEX BUSHING 56330	1/2 x 3/8 HEX BUSHING 56329	3/4 x 1/2 HEX BUSHING 56332	1/4 TEE 56350	3/8 TEE 56351	1/2 TEE 56352
1/8 ELBOW 56200	1/4 ELBOW 56201	3/8 ELBOW 56202	1/2 ELBOW 56203	1/8 STREET ELBOW 56230	1/4 STREET ELBOW 56231	3/8 STREET ELBOW 56232	1/2 STREET ELBOW 56233
1/4 x 1/8 REDUCER 56251	3/8 x 1/4 REDUCER 56252	1/2 x 3/8 REDUCER 56254	3/4 x 1/2 REDUCER 56257	1/8 COUPLING 56302	1/4 COUPLING 56303	3/8 COUPLING 56304	1/2 COUPLING 56305
1/8 PLUG 56364	1/4 PLUG 56365	3/8 PLUG 56366	1/2 PLUG 56367	3/4 PLUG 56368	1/8 CLOSE NIPPLE 56400	1/8 x 1-1/2 NIPPLE 56401	1/4 CLOSE NIPPLE 56417
1/4 x 1-1/2 NIPPLE 56418	1/4 x 2 NIPPLE 56419	3/8 CLOSE NIPPLE 56434	3/8 x 1-1/2 NIPPLE 56435	3/8 x 2 NIPPLE 56436	1/2 CLOSE NIPPLE 56451	1/2 x 2 NIPPLE 56453	1/2 x 3 NIPPLE 56455

BIN ASSORTMENTS

304 STAINLESS STEEL PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7847

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

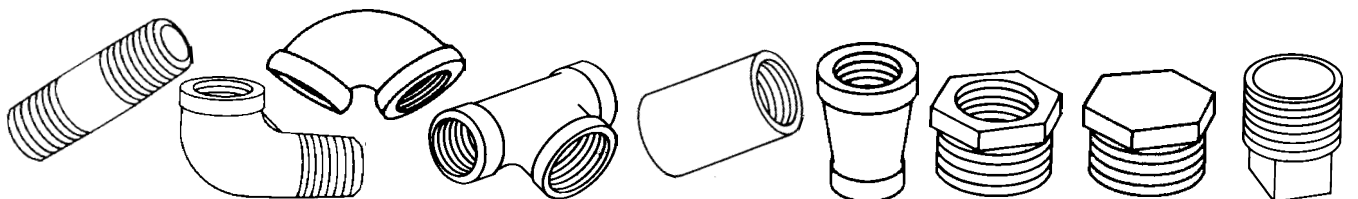
(See Plan-A-Graph for complete details)

Use Bin Label Set #168218

ASSORTMENT CONTAINS:

- 5 Sizes Hex Bushings 1/4 x 1/8 through 3/4 x 1/2
- 3 Sizes Tees 1/4 through 1/2
- 4 Sizes Elbows 1/8 through 1/2
- 4 Sizes Street Elbows 1/8 through 1/2
- 4 Sizes Reducers 1/4 x 1/8 through 3/4 x 1/2
- 4 Sizes Couplings 1/8 through 1/2
- 5 Sizes Plugs 1/8 through 3/4
- 4 Sizes Close Nipples 1/8 through 1/2
- 7 Sizes Nipples 1/8 x 1-1/2 through 1/2 x 3

1 P/N 7903 — 40-Compartment Bin



304 STAINLESS STEEL PIPE FITTINGS

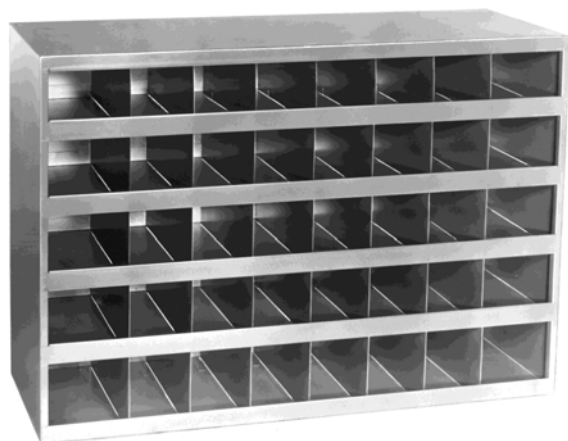
P/N 7847 — 40 ITEMS / 40 HOLES

1/4 x 1/8 HEX BUSHING 56552	3/8 x 1/4 HEX BUSHING 56554	1/2 x 1/4 HEX BUSHING 56555	1/2 x 3/8 HEX BUSHING 56556	3/4 x 1/2 HEX BUSHING 56557	1/4 TEE 56924	3/8 TEE 56562	1/2 TEE 56563
1/8 ELBOW 56535	1/4 ELBOW 56536	3/8 ELBOW 56900	1/2 ELBOW 56901	1/8 STREET ELBOW 57203	1/4 STREET ELBOW 56913	3/8 STREET ELBOW 56914	1/2 STREET ELBOW 56915
1/4 x 1/8 REDUCER 56991	3/8 x 1/4 REDUCER 56544	1/2 x 3/8 REDUCER 56993	3/4 x 1/2 REDUCER 56545	1/8 COUPLING 56963	1/4 COUPLING 56538	3/8 COUPLING 56539	1/2 COUPLING 56540
1/8 HEX HEAD PLUG 56568	1/4 HEX HEAD PLUG 56569	3/8 HEX HEAD PLUG 56570	1/2 HEX HEAD PLUG 56571	3/4 HEX HEAD PLUG 56926	1/8 CLOSE NIPPLE 56929	1/8 x 1-1/2 NIPPLE 56930	1/4 CLOSE NIPPLE 56935
1/4 x 1-1/2 NIPPLE 56936	1/4 x 2 NIPPLE 56937	3/8 CLOSE NIPPLE 56587	3/8 x 1-1/2 NIPPLE 56580	3/8 x 2 NIPPLE 56944	1/2 CLOSE NIPPLE 56950	1/2 x 2 NIPPLE 56582	1/2 x 3 NIPPLE 56584

BIN ASSORTMENTS

316 STAINLESS STEEL PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7848

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

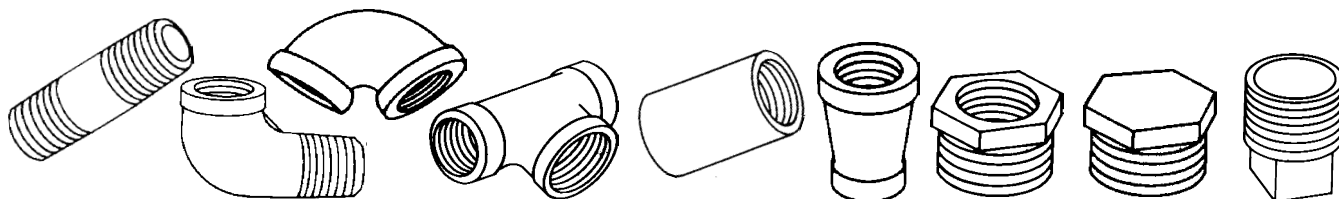
(See Plan-A-Graph for complete details)

Use Bin Label Set #168232

ASSORTMENT CONTAINS:

5 Sizes Hex Bushings	1/4 x 1/8 through 3/4 x 1/2
3 Sizes Tees	1/4 through 1/2
4 Sizes Elbows	1/8 through 1/2
4 Sizes Street Elbows	1/8 through 1/2
4 Sizes Reducers	1/4 x 1/8 through 3/4 x 1/2
4 Sizes Couplings	1/8 through 1/2
5 Sizes Plugs	1/8 through 3/4
4 Sizes Close Nipples	1/8 through 1/2
7 Sizes Nipples	1/8 x 1-1/2 through 1/2 x 3

1 P/N 7903 — 40-Compartment Bin



316 STAINLESS STEEL PIPE FITTINGS

P/N 7848 — 40 ITEMS / 40 HOLES

1/4 x 1/8 HEX BUSHING 57878	3/8 x 1/4 HEX BUSHING 57880	1/2 x 1/4 HEX BUSHING 57881	1/2 x 3/8 HEX BUSHING 57882	3/4 x 1/2 HEX BUSHING 57885	1/4 TEE 57900	3/8 TEE 57901	1/2 TEE 57902
1/8 ELBOW 57800	1/4 ELBOW 57801	3/8 ELBOW 57802	1/2 ELBOW 57803	1/8 STREET ELBOW 57869	1/4 STREET ELBOW 57870	3/8 STREET ELBOW 57871	1/2 STREET ELBOW 57872
1/4 x 1/8 REDUCER 57854	3/8 x 1/4 REDUCER 57856	1/2 x 3/8 REDUCER 57858	3/4 x 1/2 REDUCER 57861	1/8 COUPLING 57809	1/4 COUPLING 57810	3/8 COUPLING 57811	1/2 COUPLING 57812
1/8 HEX HEAD PLUG 57908	1/4 HEX HEAD PLUG 57909	3/8 HEX HEAD PLUG 57910	1/2 HEX HEAD PLUG 57911	3/4 HEX HEAD PLUG 57912	1/8 CLOSE NIPPLE 57927	1/8 x 1-1/2 NIPPLE 57928	1/4 CLOSE NIPPLE 57938
1/4 x 1-1/2 NIPPLE 57939	1/4 x 2 NIPPLE 57940	3/8 CLOSE NIPPLE 57949	3/8 x 1-1/2 NIPPLE 57950	3/8 x 2 NIPPLE 57951	1/2 CLOSE NIPPLE 57960	1/2 x 2 NIPPLE 57962	1/2 x 3 NIPPLE 57964

PORTABLE COLL-O-CRIMP®

Mid-Size Hose Assembly System

A complete system for making quality factory hose assemblies in the shop or in the field. Use Weatherhead "U" or "W" series fittings. Contains all equipment, hose and fittings to make 1/4", 3/8" and 1/2" high pressure hose assemblies (up to 1/2" hose and 1" fittings included). System expands to handle hose and fittings up to 1-1/4" in diameter. Three power source options: air/hydraulic, hand or electric. (Air/hydraulic pump is included with system). Saves you time and money and eliminates downtime.



MID-SIZE SYSTEM CONTAINS:

- WET1000-003 Portable Coll-O-Crimp Machine with Collets for 1/4", 3/8" and 1/2" Hose and Black Die Ring
- WH24504 25' Roll H-245 Hose 1/4"
- WH24506 25' Roll H-245 Hose 3/8"
- WH24508 25' Roll H-245 Hose 1/2"
- 7851 40-Hole Steel Bin, 40 Coll-O-Crimp Hose Ends

***EQUIPMENT WILL DROP SHIP FROM MANUFACTURER**

****ASK YOUR AGENT FOR DETAILS**

(See Plan-A-Graph for complete details)

PORTABLE COLL-O-CRIMP® MID-SIZE SYSTEM

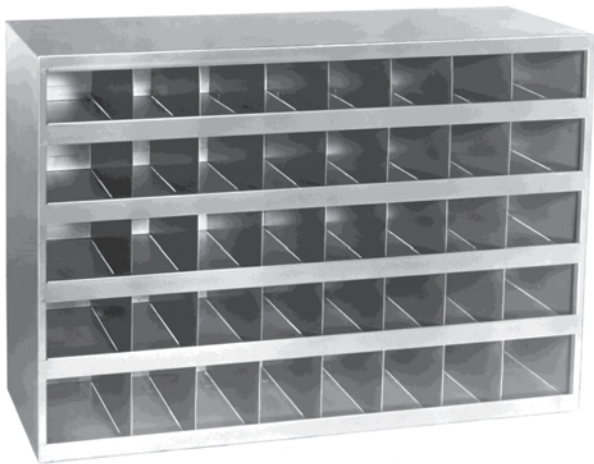
P/N 7851 — 40 ITEMS / 40 HOLES

<p>Female SAE 37 Degree Swivel Hose End 1/4" x 1/4" 54847</p> 	<p>Female SAE 37 Degree Swivel Hose End 3/8" x 3/8" 54852</p> 	<p>Female SAE 37 Degree Swivel Hose End 1/2" x 1/2" 54855</p> 	<p>Female SAE 37 Degree Swivel Hose End 3/4" x 3/4" 54861</p> 	<p>Female SAE 37 Degree Swivel Hose End 1" x 1" 54864</p> 	<p>Straight Male Connector -4 Male JIC x -4 Male Pipe 1/4" x 1/4" WC5205X4X4</p> 	<p>Straight Male Connector -6 Male JIC x -6 Male Pipe 3/8" x 3/8" WC5205X6X6</p> 	<p>Straight Male Connector -8 Male JIC x -8 Male Pipe 1/2" x 1/2" WC5205X8X8</p> 
<p>Straight Male Connector -12 Male JIC x -12 Male Pipe 3/4" x 3/4" WC5205X12</p> 	<p>Straight Male Connector -16 Male JIC x -16 Male Pipe 1" x 1" WC5205X16</p> 	<p>Straight Thread O-Ring Connector -4 Male JIC x -4 Boss O-Ring 1/4" x 1/4" 55852</p> 	<p>Straight Thread O-Ring Connector -6 Male JIC x -6 Boss O-Ring 3/8" x 3/8" 55856</p> 	<p>Straight Thread O-Ring Connector -8 Male JIC x -8 Boss O-Ring 1/2" x 1/2" 55858</p> 	<p>Straight Thread O-Ring Connector -12 Male JIC x -12 Boss O-Ring 3/4" x 3/4" 55865</p> 	<p>Straight Thread O-Ring Connector -16 Male JIC x -16 Boss O-Ring 1" x 1" 55870</p> 	<p>45 Degree Male Elbow -4 Male JIC x -4 Male Pipe 1/4" x 1/4" WC5355X4X4</p> 
<p>45 Degree Male Elbow -6 Male JIC x -6 Male Pipe 3/8" x 3/8" WC5355X6X6</p> 	<p>45 Degree Male Elbow -6 Male JIC x -6 Male Pipe 1/2" x 1/2" WC5355X8X8</p> 	<p>45 Degree Male Elbow -12 Male JIC x -12 Male Pipe 3/4" x 3/4" WC5355X12</p> 	<p>45 Degree Male Elbow -16 Male JIC x -16 Male Pipe 1" x 1" WC5355X16</p> 	<p>Straight Thread O-Ring 45 Degree Elbow -4 Male JIC x -4 Boss O-Ring 1/4" x 1/4" 55884</p> 	<p>Straight Thread O-Ring 45 Degree Elbow -6 Male JIC x -6 Boss O-Ring 3/8" x 3/8" 55886</p> 	<p>Straight Thread O-Ring 45 Degree Elbow -8 Male JIC x -8 Boss O-Ring 1/2" x 1/2" 55887</p> 	<p>Straight Thread O-Ring 45 Degree Elbow -12 Male JIC x -12 Boss O-Ring 3/8" x 3/8" 55890</p> 
<p>Straight Thread O-Ring 45 Degree Elbow -16 Male JIC x -16 Boss O-Ring 1" x 1" 55892</p> 	<p>90 Degree Male Elbow -4 Male JIC x -4 Male Pipe 1/4" x 1/4" WC5405X4X4</p> 	<p>90 Degree Male Elbow -6 Male JIC x -6 Male Pipe 3/8" x 3/8" WC5405X6X6</p> 	<p>90 Degree Male Elbow -6 Male JIC x -6 Male Pipe 1/2" x 1/2" WC5405X8X8</p> 	<p>90 Degree Male Elbow -12 Male JIC x -12 Male Pipe 3/4" x 3/4" WC5405X12</p> 	<p>90 Degree Male Elbow -16 Male JIC x -16 Male Pipe 1" x 1" WC5405X16</p> 	<p>Straight Thread O-Ring 90 Degree Elbow -4 Male JIC x -4 Boss O-Ring 1/4" x 1/4" 55902</p> 	<p>Straight Thread O-Ring 90 Degree Elbow -6 Male JIC x -6 Boss O-Ring 3/8" x 3/8" 55904</p> 
<p>Straight Thread O-Ring 90 Degree Elbow -8 Male JIC x -8 Boss O-Ring 1/2" x 1/2" 55906</p> 	<p>Straight Thread O-Ring 90 Degree Elbow -12 Male JIC x -12 Boss O-Ring 3/4" x 3/4" 55911</p> 	<p>Straight Thread O-Ring 90 Degree Elbow -16 Male JIC x -16 Boss O-Ring 1" x 1" 55914</p> 	<p>Small Hex Union -4 Male JIC x -4 Male JIC 1/4" x 1/4" WC5305X4</p> 	<p>Small Hex Union -6 Male JIC x -6 Male JIC 3/8" x 3/8" WC5305X6</p> 	<p>Small Hex Union -8 Male JIC x -8 Male JIC 1/2" x 1/2" WC5305X8</p> 	<p>Small Hex Union -12 Male JIC x -12 Male JIC 3/4" x 3/4" WC5305X12</p> 	<p>Small Hex Union -16 Male JIC x -16 Male JIC 1" x 1" WC5305X16</p> 

BIN ASSORTMENTS

NTA BRAKE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving NTA Brake Fitting Sizes Needed in Maintenance!

PART NO. 7844

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

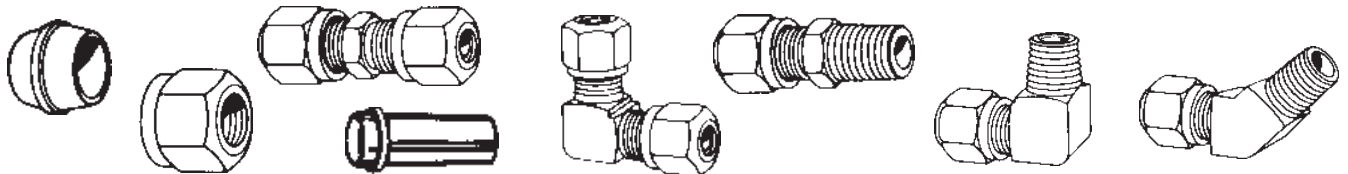
(See Plan-A-Graph for complete details)

Use Bin Label Set #16118

ASSORTMENT CONTAINS:

5 Sizes	Sleeves	1/4 through 3/4
5 Sizes	Nuts	1/4 through 3/4
5 Sizes	Unions	1/4 through 3/4
5 Sizes	Inserts	1/4 through 3/4
4 Sizes	Union Elbows	1/4 through 1/2
5 Sizes	Male Connectors	1/4 x 1/8 through 3/8 x 3/8
6 Sizes	90° Male Elbows	1/4 x 1/8 through 3/4 x 1/2
5 Sizes	45° Male Elbows	1/4 x 1/8 through 5/8 x 1/2

1 P/N 7903 – 40-Compartment Bin



NTA BRAKE FITTINGS

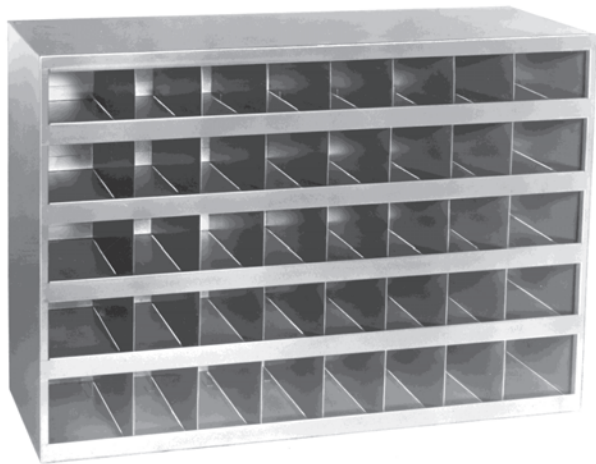
P/N 7844 — 40 ITEMS / 40 HOLES

1/4 SLEEVE 55402	1/4 NUT 55410	1/4 UNION 55418	1/4 INSERT 55425	1/4 x 1/8 MALE CONNECTOR 55463	1/4 UNION ELBOW 55443	1/4 x 1/4 90° MALE ELBOW 55483	1/4 x 1/8 45° MALE ELBOW 55546
3/8 SLEEVE 55403	3/8 NUT 55411	3/8 UNION 55419	3/8 INSERT 55426	1/4 x 1/4 MALE CONNECTOR 55464	3/8 UNION ELBOW 55444	3/8 x 3/8 90° MALE ELBOW 55488	3/8 x 1/4 45° MALE ELBOW 55547
1/2 SLEEVE 55404	1/2 NUT 55412	1/2 UNION 55420	1/2 INSERT 55427	3/8 x 1/8 MALE CONNECTOR 55466	1/2 UNION ELBOW 55445	1/2 x 3/8 90° MALE ELBOW 55491	3/8 x 3/8 45° MALE ELBOW 55548
5/8 SLEEVE 55405	5/8 NUT 55413	5/8 UNION 55421	5/8 INSERT 55428	3/8 x 1/4 MALE CONNECTOR 55467	5/8 UNION ELBOW 55446	5/8 x 1/2 90° MALE ELBOW 55494	1/2 x 3/8 45° MALE ELBOW 55549
3/4 SLEEVE 55406	3/4 NUT 55414	3/4 UNION 55422	3/4 INSERT 55429	3/8 x 3/8 MALE CONNECTOR 55468	1/4 x 1/8 90° MALE ELBOW 55482	3/4 x 1/2 90° MALE ELBOW 55495	5/8 x 1/2 45° MALE ELBOW 55551

BIN ASSORTMENTS

BRASS PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Brass Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7849

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

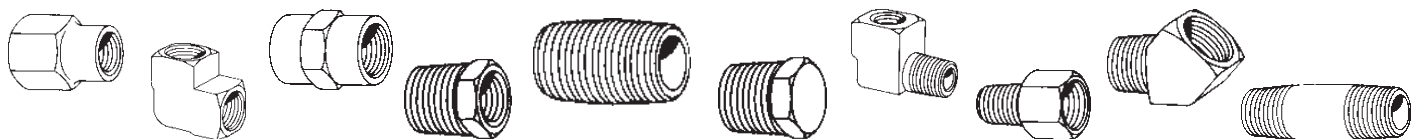
(See Plan-A-Graph for complete details)

Use Bin Label Set #16117

ASSORTMENT CONTAINS:

- 4 Sizes Reducing Coupling 1/4 x 1/8 through 1/2 x 3/8
- 3 Sizes Elbows 1/8 through 3/8
- 4 Sizes Couplings 1/8 through 1/2
- 4 Sizes Bushings 1/4 x 1/8 through 1/2 x 1/8
- 4 Sizes Close Nipples 1/8 through 1/2
- 4 Sizes Long Nipples 1/8 x 1-1/2 through 1/2 x 1-1/2
- 4 Sizes Street Elbows 1/8 through 1/2
- 3 Sizes Hex Head Plugs 1/8 through 1/2
- 3 Sizes Adapters 1/8 through 3/8
- 2 Sizes Reducing Adapters 1/4 x 1/8 through 3/8 x 1/4
- 4 Sizes 45° Street Elbows 1/8 through 1/2

1 P/N 7903 – 40-Compartment Bin



BRASS PIPE FITTINGS

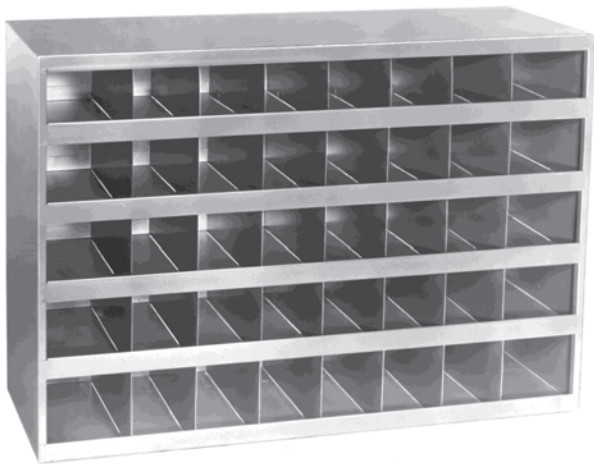
P/N 7849 — 40 ITEMS / 40 HOLES

1/4 x 1/8 REDUCING COUPLING 54233	3/8 x 1/8 REDUCING COUPLING 54234	3/8 x 1/4 REDUCING COUPLING 54235	1/2 x 3/8 REDUCING COUPLING 54236	1/8 COUPLING 54273	1/4 COUPLING 54274	3/8 COUPLING 54275	1/2 COUPLING 54276
1/4 x 1/8 BUSHING 54311	3/8 x 1/8 BUSHING 54312	3/8 x 1/4 BUSHING 54313	1/2 x 1/8 BUSHING 54314	1/8 HEX HEAD PLUG 54422	1/4 HEX HEAD PLUG 54423	3/8 HEX HEAD PLUG 54424	1/2 HEX HEAD PLUG 54425
1/8 STREET ELBOW 54375	1/4 STREET ELBOW 54376	3/8 STREET ELBOW 54378	1/2 STREET ELBOW 54379	1/8 45° STREET CONNECTOR 54453	1/4 45° STREET ELBOW 54454	3/8 45° STREET ELBOW 54455	1/2 45° STREET ELBOW 54456
1/8 CLOSE NIPPLE 54335	1/4 CLOSE NIPPLE 54336	3/8 CLOSE NIPPLE 54337	1/2 CLOSE NIPPLE 54338	1/8 x 1-1/2 LONG NIPPLE 54345	1/4 x 1-1/2 LONG NIPPLE 54346	3/8 x 1-1/2 LONG NIPPLE 54347	1/2 x 1-1/2 LONG NIPPLE 54348
1/8 ELBOW 54244	1/4 ELBOW 54245	3/8 ELBOW 54246	1/8 ADAPTER 54404	1/4 ADAPTER 54405	3/8 ADAPTER 54406	1/4 x 1/8 REDUCING ADAPTER 54413	3/8 x 1/4 REDUCING ADAPTER 54415

BIN ASSORTMENTS

COPPER PIPE FITTINGS

40-Compartment Steel Bin



You Receive a 40-Compartment Bin Labeled for 40 of the Fastest Moving Copper Pipe Fitting Sizes Needed in Maintenance!

PART NO. 7898

ONE STEEL 40-HOLE BIN

33-3/4" wide, 22-1/2" high, 12" deep*

*Can be shipped via UPS

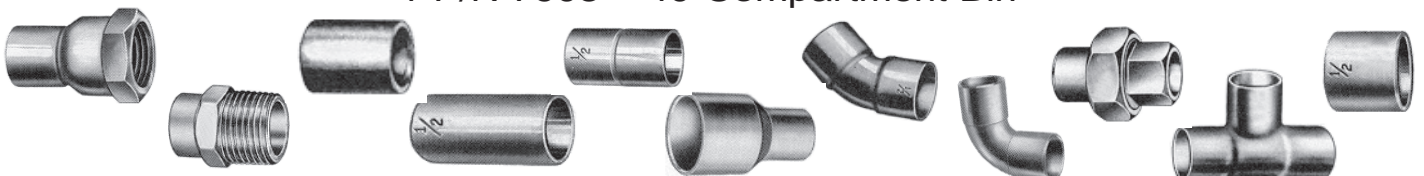
INCLUDED IN THE ORIGINAL ASSORTMENT YOU WILL RECEIVE 40 DIFFERENT ITEMS. YOU WILL BE ABLE TO FILL IN ADDITIONAL SIZES EACH MONTH ON MY SERVICE CALL. COMPARTMENTS ARE FULLY LABELED.

(See Plan-A-Graph for complete details)

ASSORTMENT CONTAINS:

4 Sizes	Female Adapter – C x F	1/4 x 1/4 through 7/8 x 3/4
2 Sizes	Male Adapter – C x M	5/8 x 1/2 through 7/8 x 3/4
3 Sizes	Bushing – FTG x C.....	1/2 x 3/8 through 7/8 x 5/8
2 Sizes	Coupling without Stop – C x C	5/8 through 7/8
4 Sizes	Coupling with Stop – C x C	1/4 through 7/8
3 Sizes	Red Coupling – C x C	1/2 x 3/8 through 7/8 x 5/8
4 Sizes	45° Elbow – C x C	1/4 through 7/8
4 Sizes	90° Elbow – C x C	1/4 through 7/8
2 Sizes	90° Elbow – FTG x C.....	5/8 through 7/8
2 Sizes	90° Long Turn Elbow – C x C	5/8 through 7/8
2 Sizes	Union	5/8 through 7/8
4 Sizes	Tee	1/4 through 7/8
4 Sizes	Tube Cap – C	1/4 through 7/8

1 P/N 7903 – 40-Compartment Bin



COPPER PIPE FITTINGS

P/N 7898 — 40 ITEMS / 40 HOLES

1/4 x 1/4 FEMALE ADAPTER 58000	1/2 x 1/4 FEMALE ADAPTER 58004	5/8 x 1/2 FEMALE ADAPTER 58006	7/8 x 3/4 FEMALE ADAPTER 58012	5/8 x 1/2 MALE ADAPTER 58042	7/8 x 3/4 MALE ADAPTER 58048	5/8 COUPLING W/O STOP 58084	7/8 COUPLING W/O STOP 58086
1/2 x 3/8 BUSHING 58073	5/8 x 3/8 BUSHING 58075	7/8 x 5/8 BUSHING 58078	1/2 x 3/8 RED COUPLING 58109	5/8 x 1/2 RED COUPLING 58112	7/8 x 5/8 RED COUPLING 58119	1/4 COUPLING WITH STOP 58093	1/2 COUPLING WITH STOP 58096
1/4 45° ELBOW 58166	1/2 45° ELBOW 58168	5/8 45° ELBOW 58169	7/8 45° ELBOW 58171	5/8 UNION 58367	7/8 UNION 58368	5/8 COUPLING WITH STOP 58097	7/8 COUPLING WITH STOP 58099
1/4 90° ELBOW 58185	1/2 90° ELBOW 58187	5/8 90° ELBOW 58188	7/8 90° ELBOW 58190	5/8 90° ELBOW FTG x C 58197	7/8 90° ELBOW FTG x C 58199	5/8 90° LONG TURN ELBOW 58209	7/8 90° LONG TURN ELBOW 58211
1/4 TEE C x C x C 58229	1/2 TEE C x C x C 58246	5/8 TEE C x C x C 58454	7/8 TEE C x C x C 58269	1/4 TUBE CAP C 58354	1/2 TUBE CAP C 58356	5/8 TUBE CAP C 58357	7/8 TUBE CAP C 58359