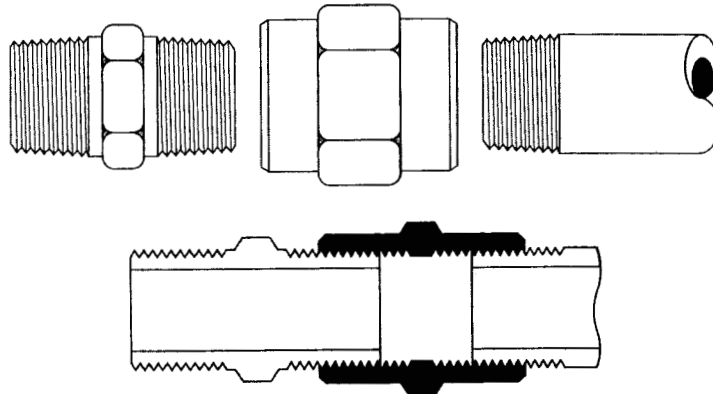


Pipe



Pipe Size	1/16	1/8	1/4	3/8	1/2	3/4	1
Thread Size	1/16-27	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14	1-11 ¹ / ₂
Working Pressure	1200	1200	1200	1200	1200	1000	1000

•Typical Application

Grease, fuels, LP and Natural gas (available on special order), refrigeration, instrumentation and hydraulic systems.

•Pressure

Operating pressure up to 1200 PSI.

•Vibration

Fair resistance.

•Temperature Range

-650F to +2500F (-530C to +1210C).

•Material

CA360 Brass for Barstock fittings

CA377 Brass for forged fittings

•Used With

Brass, bronze, copper, steel, aluminum and iron pipe

•Conformance

Meets specifications and standards of ASA, ASME and SAE.

• "L" at the end of a Part# means Light Pattern

- these fittings are completely interchangeable with full pattern fittings, but have been modified in some way. This modification is usually in the length of the pipe threads. Used in plumbing and light industrial applications.

•Assembly Instructions

1- Tighten approximately 2-1/2 turns past hand tight.

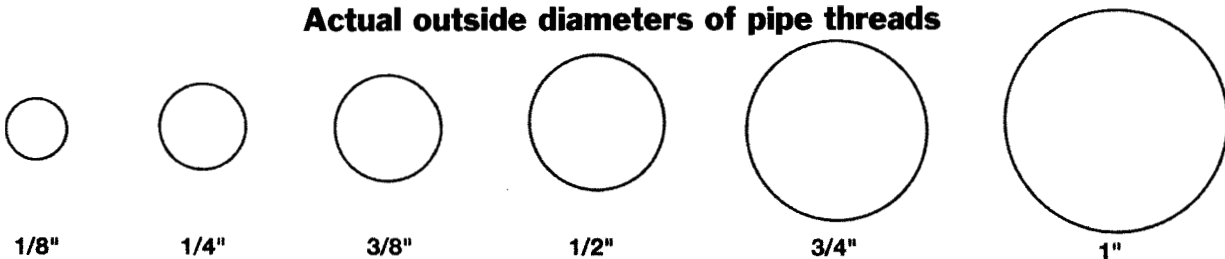
2- Fittings with Everseal tighten two turns past hand tight. Brittle materials require special cautions.

• for larger sizes see bronze fittings on page 114

• see page 152 for plastic pipe fittings.

• see page 212 for steel pipe fittings.

Actual outside diameters of pipe threads



Actual Male Thread Profiles



Pipe

Brass Fittings

Pipe

90° FEMALE ELBOW

SAE#
130238



2200P
3500
302
200

Part #	Size
916-02-02B	1/8
916-04-04B	1/4
916-06-06B	3/8
916-08-08B	1/2
916-12-12B	3/4

90° FORGED FEMALE ELBOW



1200P
E7
100AF
100B

Part #	Size
FG916-02-02B	1/8
FG916-04-04B	1/4
FG916-06-06B	3/8
FG916-08-08B	1/2
FG916-12-12B	3/4
FG916-04-02B	1/4x1/8
FG916-06-04B	3/8x1/4
FG916-08-06B	1/2x3/8

45° FEMALE ELBOW

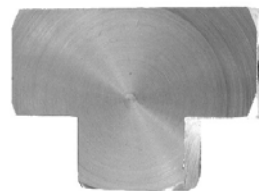


129
2201P
205
23355
45EZ
105
100-45A

Part #	Size
925-02-02B	1/8
925-04-04B	1/4
925-06-06B	3/8
925-08-08B	1/2

UNION TEE

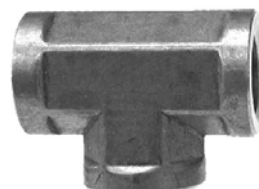
SAE#
130438



322
2203P
3700
203
101A
311

Part #	Size
917-02B	1/8
917-04B	1/4
917-06B	3/8
917-08B	1/2
917-12B	3/4

UNION FORGED TEE



1203P
LT7
101AF
101B

Part #	Size
FG917-02B	1/8
FG917-04B	1/4
FG917-06B	3/8
FG917-08B	1/2
FG917-12B	3/4

REDUCING FORGED TEES

Part #	Size		
	1	2	3
FG917-02-04RB	1/8	1/8	1/4
FG917-04-02RB	1/4	1/4	1/8
FG917-04-06RB	1/4	1/4	3/8
FG917-06-02RB	3/8	3/8	1/8
FG917-06-04-06RB	3/8	1/4	3/8
FG917-06-04RB	3/8	3/8	1/4
FG917-08-06RB	1/2	1/2	3/8
FG917-12-08-12RB	3/4	1/2	3/4
FG917-12-08RB	3/4	3/4	1/2

* More sizes available...Just Ask!

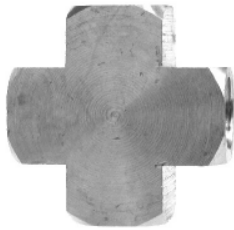
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CROSS

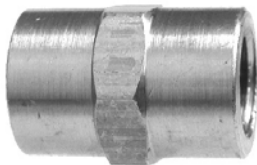
2205P
3950
228
102A
102BE

Part #	Size
918-02B	1/8
918-04B	1/4
918-06B	3/8
918-08B	1/2
918-12B	3/4

FORGED CROSS

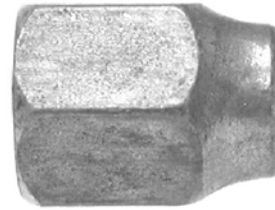
C7
105
102AF
102B

Part #	Size
FG918-02B	1/8
FG918-04B	1/4
FG918-06B	3/8
FG918-08B	1/2

COUPLING

SAE#	
130238	207P 371 3300 103AH 103B

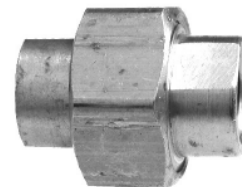
Part #	Size
910-02-02B	1/8
910-04-04B	1/4
910-06-06B	3/8
910-08-08B	1/2
910-12-12B	3/4

REDUCING COUPLING

SAE#
130138

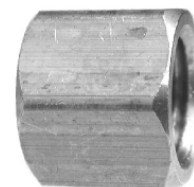
377
3300
208P
108
119B
119AH

Part #	Size
910-04-02B	1/4x1/8
910-06-02B	3/8x1/8
910-06-04B	3/8x1/4
910-08-02B	1/2x1/8
910-08-04B	1/2x1/4
910-08-06B	1/2x3/8
910-12-06B	3/4x3/8
910-12-08B	3/4x1/2

UNION

3250
212P
104A
104B

Part #	Size
02-UNIONB	1/8
04-UNIONB	1/4
06-UNIONB	3/8
08-UNIONB	1/2

CAP

3129
213P
23129
108A
108B

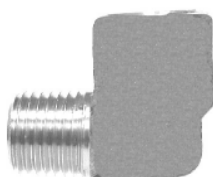
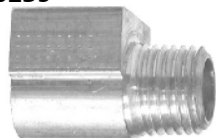
Part #	Size
02-CAPB	1/8
04-CAPB	1/4
06-CAPB	3/8
08-CAPB	1/2
12-CAPB	3/4

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90° STREET ELBOW

SAE#
130239



2202P
304
115
202
3400
116A

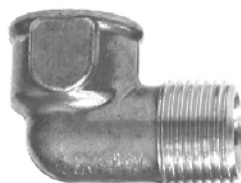
MAILBOX PATTERN

REGULAR PATTERN

Part #	Size
914-02-02B	1/8
MB914-02-02B	1/8 short
914-04-04B	1/4
MB914-04-04B	1/4 short
914-06-06B	3/8
MB914-06-06B	3/8 short
914-08-08B	1/2
914-12-12B	3/4

See page 8 for Long Street Elbows.

FORGED 90° STREET ELBOW



5EB
1202P
116AF
116B

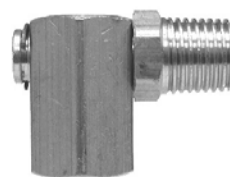
Part #	Size
FG914-02-02B	1/8
FG914-04-04B	1/4
FG914-06-06B	3/8
FG914-08-08B	1/2
FG914-12-12B	3/4

FORGED REDUCING 90° STREET ELBOW

FEMALE X MALE

Part #	Size
FG914-02-04RB	1/8x1/4
914-02-04RB	1/4FIPx1/8MIP (Barstock)
FG914-04-02RB	1/4x1/8
FG914-04-06RB	1/4x3/8
FG914-06-04RB	3/8x1/4
FG914-06-08RB	3/8x1/2
FG914-08-06RB	1/2x3/8

PIPE SWIVEL 90° STREET ELBOW



Part #	Size
914-04-04MSB	1/4

HEX BUSHING

SAE#
130140



373
3220
209P
110A
110B

MALE X FEMALE

Part #	Size
912-04-02B	1/4x1/8
912-06-02B	3/8x1/8
912-06-04B	3/8x1/4
912-08-02B	1/2x1/8
912-08-04B	1/2x1/4
912-08-06B	1/2x3/8
912-12-02B	3/4x1/8
912-12-04B	3/4x1/4
912-12-06B	3/4x3/8
912-12-08B	3/4x1/2
912-16-04B	1x1/4
912-16-06B	1x3/8
912-16-08B	1x1/2
912-16-12B	1x3/4

FACE BUSHING



MALE X FEMALE

Part #	Size
912-04-02FB	1/4x1/8
912-06-02FB	3/8x1/8
912-06-04FB	3/8x1/4
912-08-02FB	1/2x1/8
912-08-04FB	1/2x1/4
912-08-06FB	1/2x3/8
912-12-04FB	3/4x1/4
912-12-06FB	3/4x3/8
912-12-08FB	3/4x1/2
912-16-12FB	1x3/4



SQUARE HEAD PLUG



3151
211P
109A
109B

Part #	Size
932-02BSH	1/8
932-04BSH	1/4
932-06BSH	3/8
932-08BSH	1/2
932-12BSH	3/4
932-16BSH	1

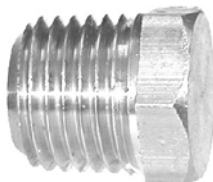
COUNTERSUNK HEX HEAD PLUG



31552
19P
109CS
118

Part #	Size
932-1/16B	1/16
932-02B	1/8
932-04B	1/4
932-06B	3/8
932-08B	1/2
932-12B	3/4

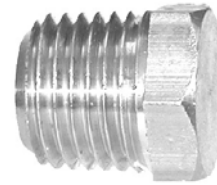
CORED HEX PLUGS



218P
3152
121A
103
121B
PPH
218P

Part #	Size
28-201	1/8
28-202	1/4
28-203	3/8
28-204	1/2
28-205	3/4
28-206	1

SOLID HEX HEAD PLUGS



121AS

Part #	Size
932P-02B	1/8
932P-04B	1/4
932P-06B	3/8
932P-08B	1/2
932P-12B	3/4
932P-16B	1

LOCKNUT

•Jam Nuts
•Straight
Pipe Thread



210P
21102
111A
111B

Part #	Size
28-123	1/8
28-124	1/4
28-125	3/8
28-126	1/2
28-127*	1/2
* Die Cast	

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CLOSE NIPPLE



165
215PN
3326
112A
112B

Part #	Diameter	Length
02BNC	1/8	0.75
04BNC	1/4	0.88
06BNC	3/8	1.00
08BNC	1/2	1.13
12BNC	3/4	1.38

LONG NIPPLE



113B
113A
166
3327
3331
215PNL

DIAMETER X LENGTH

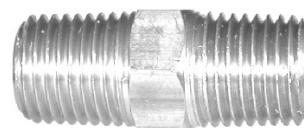
Part #	Size
02-X-1.5BN	1/8x1-1/2
02-X-2BN	1/8x2
02-X-2.5BN	1/8x2-1/2
02-X-3BN	1/8x3
04-X-1.5BN	1/4x1-1/2
04-X-2BN	1/4x2
04-X-2.5BN	1/4x2-1/2
04-X-3BN	1/4x3
06-X-1.5BN	3/8x1-1/2
06-X-2BN	3/8x2
06-X-2.5BN	3/8x2-1/2
06-X-3BN	3/8x3
08-X-1.5BN	1/2x1-1/2
08-X-2BN	1/2x2
08-X-2.5BN	1/2x2-1/2
08-X-3BN	1/2x3

See Red Brass Nipples for larger sizes!

"I can't do it" never accomplished anything. "I will try" has performed wonders.

- George P. Burnham

HEX NIPPLE



SAE#
130137

216P
3325
379
122AH
122B

Part #	Size
911-02-02B	1/8
911-04-04B	1/4
911-06-06B	3/8
911-08-08B	1/2
911-12-12B	3/4
911-16-16B	1

REDUCING HEX NIPPLE



SAE#
130137

216P
3325
379
122AH
122B

Part #	Size
911-04-02B	1/4x1/8
911-06-02B	3/8x1/8
911-06-04B	3/8x1/4
911-08-04B	1/2x1/4
911-08-06B	1/2x3/8
911-12-08B	3/4x1/2

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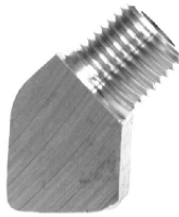
Enthusiasm is the greatest asset in the world. It beats money, power and influence.

- George P. Burnham



45° STREET ELBOW

SAE#
130339



306
3350
2214P
224

Part #	Size
915-02-02B	1/8
915-04-04B	1/4
915-06-06B	3/8
915-08-08B	1/2
915-12-12B	3/4

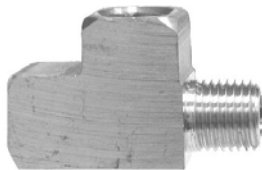
45° FORGED STREET ELBOW

45E8
124B

Part #	Size
FG915-02-02B	1/8
FG915-04-04B	1/4
FG915-06-06B	3/8

STREET TEE

SAE#
130424

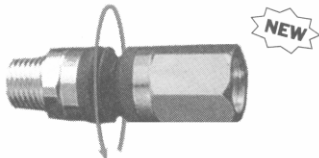


225
2225P
3750
326
225
127A

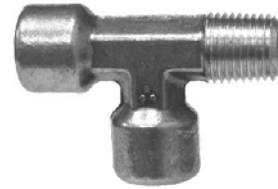
Part #	Size
921-02-02B	1/8
921-04-04B	1/4
921-06-06B	3/8
921-08-08B	1/2
921-12-12B	3/4

**MALE NPT X FEMALE NPT
360° TURNING SWIVEL FITTING**

360° Turning



Part #	Size
320-061	1/4

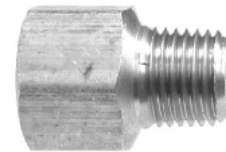
FORGED STREET TEE

107
T8
127B

Part #	Size
FG921-02-02B	1/8
FG921-04-04B	1/4
FG921-06-06B	3/8
FG921-08-08B	1/2
FG921-12-12B	3/4

EXTENDER / ADAPTER

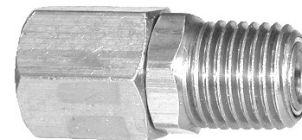
SAE#
130139



375
222P
3200
R1
120AH
120B

FEMALE X MALE

Part #	Size
909-02-02B	1/8x1/8
909-04-02B	1/4x1/8
909-04-04B	1/4x1/4
909-06-02B	3/8x1/8
909-06-04B	3/8x1/4
909-06-06B	3/8x3/8
909-08-04B	1/2x1/4
909-08-06B	1/2x3/8
909-08-08B	1/2x1/2
909-12-06B	3/4x3/8
909-12-08B	3/4x1/2
909-12-12B	3/4x3/4

PIPE SWIVEL ADAPTER

344R
3183

FEMALE X MALE

Part #	Size
28-425	1/4
28-426	3/8

See page 8 for long extender / adapters



FORGED 90° MALE ELBOW



LE5
3455
116AMF

Part #	Size
FG920-02-02B	1/8
FG920-04-04B	1/4
FG920-06-06B	3/8
FG920-08-08B	1/2

90° MALE REDUCING ELBOW

Part #	Size
920-04-02B	1/4x1/8
920-06-04B	3/8x1/4
920-08-06B	1/2x3/8

MALE BRANCH TEE

SAE#
130425



X106
23601
3600
2224P
226
329
128

Part #	Size
922-02-02B	1/8
922-04-04B	1/4
922-06-06B	3/8
922-08-08B	1/2
922-12-12B	3/4

FORGED MALE BRANCH TEE



Part #	Size
FG922-02-02B	1/8
FG922-04-04B	1/4

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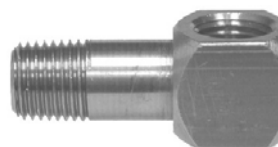
FORGED ALL MALE TEE



T12
M101

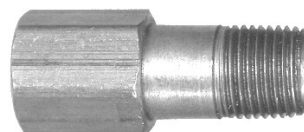
Part #	Size
FG926-02-02B	1/8
FG926-04-04B	1/4
FG926-06-06B	3/8
FG926-08-08B	1/2
FG926-12-12B	3/4

LONG STREET ELLS



Part #	Size	Length
914-02-02D1B	1/8	1-3/16"
914-02-02D2B	1/8	1-7/16"
914-02-02D3B	1/8	1-11/16"
914-02-02D4B	1/8	1-7/8"
914-04-04D1B	1/4	1-3/16"
914-04-04D2B	1/4	1-7/16"
914-04-04D3B	1/4	1-11/16"
914-04-04D4B	1/4	1-7/8"
914-04-04D5B	1/4	2-1/4"
914-06-06D1B	3/8	1-3/4"
914-06-06D2B	3/8	2-1/4"

LONG EXTENSION ADAPTERS



Part #	Size	Length
909-02-02D1B	1/8	1-1/4"
909-02-02D2B	1/8	1-3/4"
909-02-02D3B	1/8	3"
909-04-04D1B	1/4	1-9/16"
909-04-04D2B	1/4	1-13/16"
909-04-04D3B	1/4	2-1/16"
909-04-04D4B	1/4	2-1/2"



BULKHEAD / ANCHOR / FRAME COUPLINGS

TERMINAL BOLTS / FRAME COUPLINGS					
PART #	A	B	C	D	LENGTH
28-300	1/8 - 27 NPTF	5/8 - 18 UNS	---	---	1-1/2
28-303	3/8 - 18 NPTF	1 - 14 UNS	---	---	15-16
28-301	1/4 - 18 NPTF	3/4 - 16 UNS	---	---	15-16
28-302	1/4 - 18 NPTF	3/4 - 16 UNS	---	---	1-1/2
28-315*	1/4 - 18 NPTF	3/4 - 16 UNS	---	---	
	*(same as 28-302 except with larger mounting nut)				
28-304	1/4 - 18 NPTF	1-1/8 - 14 UNS	---	---	1-1/2
28-317	1/2 - 14 NPTF	1 - 14 UNS	1/4 - 18 NPTF	---	2-1/8
29-318	1/2 - 14 NPTF	1 - 14 UNS	3/8 - 18 NPTF	---	1-11/16
28-319	1/2 - 14 NPTF	1 - 14 UNS	3/8 - 18 NPTF	---	1-29/32
28-325	1/2 - 14 NPTF	3/4 - 16 UNS	1/4 - 18 NPTF	1/4 - 18 NPTF	1-11/16
28-3435	1/2 - 14 NPTF	3/4 - 16 UNS	1/4 - 18 NPTF	---	2-5/32
28-313	1/2 - 14 NPTF	1 - 14 UNS	1/4 - 18 NPTF	---	2-7/8
28-314*	1/2 - 14 NPTF	1 - 14 UNS	1/4 - 18 NPTF	---	2-7/8
	*(same as 29-313 except with larger mounting nuts)				
28-316	1/2 - 14 NPTF	1 - 14 UNS	1/4 - 18 NPTF	---	3-15/16
28-346	3/8 - 18 NPTF	1 - 14 UNS	1/2 - 14 NPTF	---	1-7/8
28-347	1/2 - 14 NPTF	1 - 14 UNS	1/2 - 14 NPTF	---	2-3/8
28-321	1/2 - O.D. Tube	7/8 - 20 UNCF	3/8 - 18 NPTF	---	1-5/16
28-322	3/8 - O.D. Tube	7/8 - 20 UNCF	3/8 - 18 NPTF	---	1-3/8
28-348	3/8 - 18 NPTF	7/8 - 20 UNCF	3/8 - 18 NPTF	---	2-15/16
STEEL BULKHEAD FITTINGS					
28-306	1/4 - 18 NPTF	3/4 - 16 UNS	---	---	.94
28-307	1/4 - 18 NPTF	3/4 - 16 UNS	---	---	1.50
28-309	1/2 - 14 NPTF	3/4 - UNS	1/4 - 18 NPTF	1/4 - 18 NPTF	2.16
28-310	1/2 - 14 NPTF	3/4 - UNS	1/4 - 18 NPTF	---	2.53
28-312	1/2 - 14 NPTF	1 - 14 UNS	1/4 - 18 NPTF	---	2.53

