

PIPE FITTINGS

MADE
IN THE USA



| | | | | | | | |
|------------------|---------|--------|--------|--------|--------|--------|----------------------------------|
| 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 |
| Thread OD | 1/4 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1-1/4 |

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.

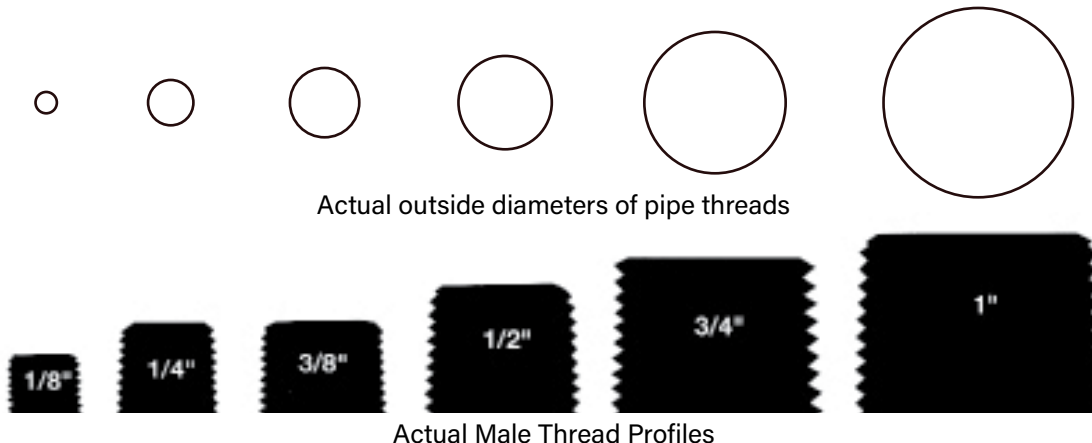
Temperature Range:
-65°F to +250°F (-53°C to +121°C).

Used With: Brass, bronze, copper, steel, aluminum and iron pipe.

Tolerance : +/- .02 on all dimensions. Dimension Data can change without notice. Please call us when dimensions are critical.

Conformance: Meets specifications and standards of ASA, ASME and SAE

- Not lead free
 - **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.



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE

BRASS FITTINGS

MADE IN THE USA

90° FEMALE ELBOW

SAE# 130238



06100
100

| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|----------|--------|------------------|------|------|------------------|-------|
| 23500X1 | | 1/16" | 0.55 | 0.56 | 0.09 | 22.34 |
| 23500X2 | 28001 | 1/8" | 0.78 | 0.68 | 0.13 | 3.91 |
| 23500X4 | 28002 | 1/4" | 0.84 | 0.81 | 0.16 | 5.58 |
| 23500X6 | 28003 | 3/8" | 1.09 | 1.00 | 0.34 | 8.82 |
| 23500X8 | 28004 | 1/2" | 1.16 | 1.25 | 0.60 | 13.70 |
| 23500X12 | 28005 | 3/4" | 0.84 | 0.81 | 0.18 | 30.43 |
| 23502X1 | | 1/8 x 1/16 | 1.09 | 1.00 | 0.37 | 17.91 |
| 23504X2 | | 1/4 x 1/8 | 1.09 | 1.00 | 0.36 | 11.22 |
| 23506X2 | | 3/8 x 1/8 | | | | 16.67 |
| 23506X4 | 28015B | 3/8" x 1/4" | | | | 16.61 |
| 23508X4 | 28053B | 1/2" x 1/4" | | | | 24.60 |
| 23508X6 | 28016B | 1/2" x 3/8" | | | | 24.12 |
| 23512X4 | | 3/4 x 1/4 | | | | 39.61 |
| 23512X6 | | 3/4" x 3/8" | | | | 39.73 |
| 23512X8 | | 3/4 x 1/2 | | | | 38.74 |

100 2200P 3500 302 200

90° FORGED FEMALE ELBOW



06200
100F

| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|------|------|------------------|-------|
| 100F-2 | 28009 | 1/8" | 0.57 | 0.50 | 0.04 | 3.85 |
| 100F-4 | 28010 | 1/4" | 0.70 | 0.68 | 0.10 | 5.08 |
| 100F-6 | 28011 | 3/8" | 0.81 | 0.81 | 0.12 | 7.15 |
| 100F-8 | 28012 | 1/2" | 1.00 | 1.00 | 0.23 | 12.07 |
| 100F-12 | 28013 | 3/4" | 1.13 | 1.25 | 0.42 | 24.43 |
| 100FR-42 | 28014 | 1/4" x 1/8" | 0.72 | 0.65 | 0.12 | 7.88 |
| 100FR-64 | 28015 | 3/8" x 1/4" | 0.81 | 0.81 | 0.15 | 8.32 |
| 100FR-86 | 28016 | 1/2" x 3/8" | 1.00 | 1.00 | 0.28 | 16.99 |

1200P E7 100AF 100B

45° FEMALE ELBOW



06107
10045

| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|---------|--------|------------------|------|------|------------------|-------|
| 10045-2 | 28018 | 1/8" | 0.45 | 0.56 | 0.06 | 9.09 |
| 10045-4 | 28019 | 1/4" | 0.66 | 0.68 | 0.12 | 7.42 |
| 10045-6 | 28020 | 3/8" | 0.69 | 0.81 | 0.16 | 20.92 |
| 10045-8 | 28021B | 1/2" | 0.94 | 1.00 | 0.25 | 57.95 |

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

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MID-AMERICA FITTINGS



PIPE

BRASS FITTINGS

MADE IN THE USA

UNION TEE

SAE# 130438



| MAF # | REF # | THREAD SIZE NPTF | A | B | C | APPROX. WT. LBS. | LIST |
|------------|-------|------------------|------|------|------|------------------|-------|
| 23700X1 | 28022 | 1/16" | 0.55 | 0.55 | 0.58 | 0.11 | 26.58 |
| 23700X2 | 28024 | 1/8" | 0.55 | 0.55 | 0.56 | 0.08 | 4.72 |
| 23700X4 | 28025 | 1/4" | 0.78 | 0.78 | 0.68 | 0.17 | 7.33 |
| 23700X6 | 28026 | 3/8" | 0.84 | 0.84 | 0.81 | 0.22 | 9.70 |
| 23700X8 | 28027 | 1/2" | 1.09 | 1.09 | 1.00 | 0.43 | 16.67 |
| 23700X12 | 28028 | 3/4" | 1.16 | 1.16 | 1.25 | 0.64 | 35.58 |
| 23700X2X1 | | 1/8 x 1/16 | | | | | 19.30 |
| 23700X4X2 | | 1/4 x 1/8 | | | | | 15.89 |
| 23700X6X4 | | 3/8 x 1/4 | | | | | 19.03 |
| 23700X8X6 | | 1/2 x 3/8 | | | | | 28.52 |
| 23700X12X8 | | 3/4 x 1/2 | | | | | 46.99 |

06101
101

311 101A 322 2203P 3700 203

UNION FORGED TEE



| MAF # | REF # | THREAD SIZE NPTF | A & B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|---------|-------|------------------|-------|------------|------------------|-------|
| 101F-2 | 28032 | 1/8" | 0.56 | 0.50 | 0.06 | 3.84 |
| 101F-4 | 28033 | 1/4" | 0.71 | 0.68 | 0.13 | 5.88 |
| 101F-6 | 28034 | 3/8" | 0.81 | 0.81 | 0.16 | 8.52 |
| 101F-8 | 28035 | 1/2" | 1.00 | 1.00 | 0.27 | 13.94 |
| 101F-12 | 28036 | 3/4" | 1.16 | 1.25 | 0.53 | 21.17 |

06201
101F

1203P LT7 101AF 101B

REDUCING FORGED TEES



| MAF # | REF # | 1 NPT | 2 NPT | 3 NPT | A & B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|-------------|-------|-------|-------|-------|-------|------------|------------------|-------|
| 101FR-224 | 28029 | 1/8" | 1/8" | 1/4" | 0.72 | 0.69 | 0.16 | 9.65 |
| 101FR-442 | 28030 | 1/4" | 1/4" | 1/8" | 0.72 | 0.69 | 0.14 | 8.20 |
| 101FR-446 | 28031 | 1/4" | 1/4" | 3/8" | 0.81 | 0.81 | 0.21 | 15.98 |
| 101FR-646 | 28038 | 3/8" | 1/4" | 3/8" | 0.81 | 0.81 | 0.18 | 14.12 |
| 101FR-664 | 28039 | 3/8" | 3/8" | 1/4" | 0.81 | 0.81 | 0.18 | 14.12 |
| 101FR-886 | 28046 | 1/2" | 1/2" | 3/8" | 1.00 | 1.00 | 0.30 | 16.79 |
| 101FR-12812 | 28047 | 3/4" | 1/2" | 3/4" | 1.20 | 1.25 | 0.59 | 34.85 |
| 101FR-12128 | 28048 | 3/4" | 3/4" | 1/2" | 1.16 | 1.25 | 0.59 | 39.25 |

06206
101FR

CROSS



| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|------|------|------------------|-------|
| 23950X2 | 28041 | 1/8" | 0.55 | 0.56 | 0.10 | 8.58 |
| 23950X4 | 28042 | 1/4" | 0.78 | 0.68 | 0.21 | 12.04 |
| 23950X6 | 28043 | 3/8" | 0.84 | 0.81 | 0.25 | 14.74 |
| 23950X8 | 28044 | 1/2" | 1.09 | 1.00 | 0.51 | 30.42 |
| 23950X12 | 28045 | 3/4" | 1.16 | 1.25 | 0.75 | 65.52 |

06102
102

2205P 3950 228 102A 102BE

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PIPE

BRASS FITTINGS

MADE IN THE USA

FORGED CROSS



06202
102F

| MAF # | REF # | THREAD SIZE NPTF | A | BODY WIDTH | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------------|------------------|-------|
| 102F-2 | 28049 | 1/8" | 0.56 | 0.50 | 0.06 | 7.54 |
| 102F-4 | 28050 | 1/4" | 0.72 | 0.69 | 0.15 | 9.77 |
| 102F-6 | 28051 | 3/8" | 0.81 | 0.81 | 0.18 | 16.45 |
| 102F-8 | 28052 | 1/2" | 1.00 | 1.00 | 0.34 | 19.60 |

C7 105 102AF 102B

COUPLING

SAE# 130138



23300 = SAE Pattern

06103
103

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|----------|--------|------------------|------|------|------------------|--------|
| 23300X1 | 28057 | 1/16" | 0.75 | 0.44 | 0.02 | 17.74 |
| 103-2 | 28058L | 1/8" | 0.75 | 0.50 | 0.02 | 2.29 |
| 23300X2 | 28058 | 1/8" | 0.75 | 0.56 | 0.03 | 2.56 |
| 103-4 | 28059L | 1/4" | 0.88 | 0.63 | 0.03 | 3.03 |
| 23300X4 | 28059 | 1/4" | 1.12 | 0.75 | 0.09 | 4.09 |
| 103-6 | 28060L | 3/8" | 1.00 | 0.81 | 0.06 | 3.91 |
| 23300X6 | 28060 | 3/8" | 1.12 | 0.87 | 0.10 | 4.90 |
| 103-8 | 28061L | 1/2" | 1.19 | 0.93 | 0.09 | 5.94 |
| 23300X8 | 28061 | 1/2" | 1.50 | 1.06 | 0.19 | 8.05 |
| 103-12 | 28062L | 3/4" | 1.19 | 1.25 | 0.18 | 9.58 |
| 23300X12 | 28062 | 3/4" | 1.53 | 1.25 | 0.24 | 17.05 |
| 103-16 | | 1" | | | | 21.05 |
| 23300X16 | 28063 | 1" | 1.89 | 1.50 | .357 | 25.42 |
| 23300X32 | | 2" | | | | 117.06 |

207P 371 3300 103AH 103B

REDUCING COUPLING

SAE# 130138



06119
119



| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|----------|--------|------------------|------|------|------------------|--------|
| 23302X1 | | 1/8" x 1/16" | | | | 17.55 |
| 119-42 | 28181L | 1/4" x 1/8" | 0.94 | 0.62 | 0.04 | 2.47 |
| 23304X2 | 28181 | 1/4" x 1/8" | 0.97 | 0.75 | 0.08 | 2.95 |
| 119-62 | | 3/8" x 1/8" | | | | 4.12 |
| 23306X2 | 28182 | 3/8" x 1/8" | 0.94 | 0.87 | 0.10 | 6.43 |
| 119-64 | 28183L | 3/8" x 1/4" | 1.00 | 0.81 | 0.06 | 3.19 |
| 23306X4 | 28183 | 3/8" x 1/4" | 1.16 | 0.87 | 0.12 | 4.54 |
| 119-82 | 28180 | 1/2" x 1/8" | 1.19 | 0.93 | 0.15 | 14.74 |
| 119-84 | 28184L | 1/2" x 1/4" | 1.11 | 1.00 | 0.10 | 6.67 |
| 23308X4 | 28184 | 1/2" x 1/4" | 1.28 | 1.06 | 0.20 | 8.38 |
| 119-86 | 28185L | 1/2" x 3/8" | 1.19 | 0.93 | 0.10 | 6.07 |
| 23308X6 | 28185 | 1/2" x 3/8" | 1.38 | 1.06 | 0.20 | 10.51 |
| 119-124 | 28187 | 3/4" x 1/4" | 1.19 | 1.19 | 0.17 | 19.30 |
| 119-126 | 28188* | 3/4" x 3/8" | 1.32 | 1.37 | 0.20 | 16.45 |
| 119-128 | 28189* | 3/4" x 1/2" | 1.19 | 1.18 | 0.14 | 10.66 |
| 119-164 | | 1 x 1/4" | | | | 45.88 |
| 119-166 | | 1 x 3/8" | | | | 39.10 |
| 119-168 | 28178 | 1" x 1/2" | 1.50 | 1.56 | 0.41 | 33.76 |
| 119-1612 | 28179 | 1" x 3/4" | 1.56 | 1.56 | 0.39 | 28.99 |
| 23332X16 | | 2 x 1" | | | | 128.37 |

10 377 3300 208P 108 119B 119AH

DIMENSION DATA CAN CHANGE WITHOUT NOTICE. PLEASE CALL WHEN DIMENSIONS ARE CRITICAL.

PIPE

BRASS FITTINGS

MADE IN THE USA

UNION



06104
104

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------|------------------|-------|
| 104-2 | 28067 | 1/8" | 1.25 | 0.94 | 0.13 | 26.27 |
| 104-4 | 28068 | 1/4" | 1.31 | 1.06 | 0.18 | 24.01 |
| 104-6 | 28069 | 3/8" | 1.75 | 1.25 | 0.33 | 48.85 |
| 104-8 | 28070 | 1/2" | 1.79 | 1.56 | 0.50 | 41.47 |
| 104-12 | 28071 | 3/4" | 1.96 | 1.68 | 0.47 | 58.85 |

3250 212P 104A 104B

CAP



06108
108

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------|------------------|--------|
| 108-2 | 28075 | 1/8" | 0.47 | 0.56 | 0.03 | 2.48 |
| 108-4 | 28076 | 1/4" | 0.60 | 0.68 | 0.04 | 2.60 |
| 108-6 | 28077 | 3/8" | 0.69 | 0.81 | 0.06 | 3.64 |
| 108-8 | 28078 | 1/2" | 0.78 | 0.93 | 0.08 | 4.86 |
| 108-12 | 28079 | 3/4" | 0.94 | 1.25 | 0.16 | 9.74 |
| 108-16 | 28080 | 1" | 1.13 | 1.50 | 0.23 | 39.10 |
| 108-20 | | 1-1/4" | | | | 74.68 |
| 108-24 | | 1-1/2" | | | | 102.44 |
| 108-32 | | 2" | | | | 164.42 |

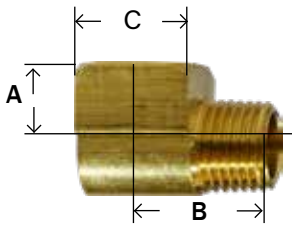
3129 213P 23129 108A 108B

90° STREET ELBOW

SAE# 130239



Regular Pattern



"S" = Short Pattern

| MAF # | REF # | THREAD SIZE NPTF | A | B | C | APPROX. WT. LBS. | LIST |
|------------|--------|------------------|------|------|-------|------------------|-------|
| 23400X1 | 28161 | 1/16" | 0.69 | 0.60 | 0.47 | 0.04 | 20.38 |
| 23400X2 | 28156 | 1/8" | 0.48 | 0.66 | 0.56 | 0.05 | 2.74 |
| 23401X2 | 28156S | 1/8" short | 0.34 | 0.57 | 0.50 | 0.03 | 2.42 |
| 23400X4 | 28157 | 1/4" | 0.72 | 0.91 | 0.735 | 0.09 | 4.94 |
| 23401X4 | 28157S | 1/4" short | 0.45 | 0.78 | 0.68 | 0.07 | 3.73 |
| 23400X6 | 28158 | 3/8" | 0.78 | 0.97 | 0.81 | 0.16 | 7.06 |
| 23401X6 | | 3/8" short | | | | | 7.42 |
| 23400X8 | 28159 | 1/2" | 1.03 | 1.25 | 1.00 | 0.33 | 12.61 |
| 23400X12 | 28160 | 3/4" | 1.12 | 1.38 | 1.25 | 0.52 | 22.39 |
| 23402X1 | | 1/8 x 1/16" | | | | | 22.41 |
| 23402X4 | | 1/8 x 1/4" | | | | | 7.67 |
| 23404X2 | | 1/4 x 1/8" | | | | | 7.60 |
| 23406X2 | | 3/8 x 1/8" | | | | | 14.97 |
| 23406X4 | | 3/8 x 1/4" | | | | | 14.87 |
| 23408X4 | | 1/2 x 1/4" | | | | | 21.17 |
| 23408X6 | | 1/2 x 3/8" | | | | | 20.89 |
| 23400X8X12 | | 1/2 x 3/4" | | | | | 39.58 |

SHORT 06116
116
LONG 06118

2202P 304 115 202 3400 116A

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PIPE

BRASS FITTINGS

MADE IN THE USA

FORGED 90° STREET ELBOW



116F

| MAF # | REF # | THREAD SIZE NPTF | A | B | WRENCH FLATS | APPROX. WT. LBS. | LIST |
|---------|-------|------------------|------|------|--------------|------------------|-------|
| 116F-2 | 28165 | 1/8" | 0.61 | 0.85 | 0.62 | 0.06 | 4.27 |
| 116F-4 | 28166 | 1/4" | 0.50 | 0.86 | 0.72 | 0.08 | 3.91 |
| 116F-6 | 28167 | 3/8" | 0.70 | 1.00 | 0.88 | 0.10 | 5.85 |
| 116F-8 | 28168 | 1/2" | 0.96 | 1.43 | 1.00 | 0.20 | 8.41 |
| 116F-12 | 28169 | 3/4" | 0.90 | 1.40 | 1.25 | 0.25 | 13.27 |

5E8 1202P 116AF 116B

FORGED REDUCING 90° STREET ELBOW

Barstock & Forged



128

*Barstock (B)

| MAF # | REF # | THREAD SIZE NPTF FXM | A | B | WRENCH FLATS | APPROX. WT. LBS. | LIST |
|----------|---------|----------------------|------|------|--------------|------------------|-------|
| 23402X1 | 28259* | 1/8" x 1/16" | | | | | 22.41 |
| 23402X4* | 28260 | 1/8" x 1/4" | 0.50 | 0.87 | 0.71 | 0.08 | 7.67 |
| 23404X2* | 28261B | 1/4" x 1/8" | 0.53 | 0.72 | 0.69 | 0.07 | 7.60 |
| 128F-42 | 28261 | 1/4" x 1/8" | 0.50 | 0.81 | 0.72 | 0.06 | 5.71 |
| 23404X6* | | 1/4 x 3/8" | | | | | 15.76 |
| 128F-46 | 28262 | 1/4" x 3/8" | 0.93 | 1.06 | 0.59 | 0.12 | 7.06 |
| 23406X4* | | 3/8" x 1/4" | | | | | 14.87 |
| 128F-64 | 28263 | 3/8" x 1/4" | 0.58 | 0.94 | 0.81 | 0.07 | 9.18 |
| 23406X8* | | 3/8" x 1/2" | | | | | 23.85 |
| 128F-68 | 28264 | 3/8" x 1/2" | 0.97 | 1.36 | 1.00 | 0.28 | 14.49 |
| 128F-86 | 28265 | 1/2" x 3/8" | 0.96 | 1.37 | 1.00 | 0.22 | 15.99 |
| 23408X4* | | 1/2" X 1/4" | | | | | 21.17 |
| 23408X6 | 28265B* | 1/2" x 3/8" | 1.03 | 1.11 | 1.00 | 0.24 | 20.89 |

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MID-AMERICA FITTINGS



PIPE

BRASS FITTINGS

MADE IN THE USA

HEX BUSHING

SAE# 130140



232 = SAE Pattern

06110
110

| MAF # | REF # | THREAD SIZE NPTF MXF | OAL A | HEX | APPROX. WT. LBS. | LIST |
|----------|--------|-------------------------|----------|------|---------------------|-------|
| 110-21 | 28101 | 1/8" x 1/16" | | | | 6.10 |
| 110-42 | 28102L | 1/4" x 1/8" | 0.62 | 0.56 | 0.02 | 1.14 |
| 23224X2 | 28102 | 1/4" x 1/8" | 0.75 | 0.56 | 0.04 | 1.29 |
| 110-62 | | 3/8 x 1/8 | | | | 2.08 |
| 23226X2 | 28103 | 3/8" x 1/8" | 0.75 | 0.68 | 0.05 | 2.10 |
| 110-64 | 28104L | 3/8" x 1/4" | 0.69 | 0.68 | 0.03 | 1.74 |
| 23226X4 | 28104 | 3/8" x 1/4" | 0.75 | 0.75 | 0.05 | 2.47 |
| 110-82 | 28105L | 1/2" x 1/8" | 0.81 | 0.81 | 0.08 | 3.37 |
| 23228X2 | 28105 | 1/2" x 1/8" | 1.00 | 0.87 | 0.10 | 4.20 |
| 110-84 | 28106L | 1/2" x 1/4" | 0.81 | 0.81 | 0.08 | 2.97 |
| 23228X4 | 28106 | 1/2" x 1/4" | 1.00 | 0.87 | 0.11 | 3.64 |
| 110-86 | 28107L | 1/2" x 3/8" | 0.81 | 0.81 | 0.05 | 2.39 |
| 23228X6 | 28107 | 1/2" x 3/8" | 1.00 | 0.87 | 0.10 | 3.25 |
| 110-122 | | 3/4 x 1/8 | | | | 11.91 |
| 23232X2 | 28108 | 3/4" x 1/8" | 0.94 | 1.06 | 0.20 | 12.91 |
| 110-124 | 28109L | 3/4" x 1/4" | 0.94 | 1.06 | 0.18 | 6.07 |
| 23232X4 | | 3/4 x 1/4 | | | | 8.33 |
| 110-126 | 28110L | 3/4" x 3/8" | 0.94 | 1.06 | 0.15 | 5.97 |
| 23232X6 | | 3/4 x 3/8 | | | | 7.59 |
| 110-128 | 28111L | 3/4" x 1/2" | 0.94 | 1.06 | 0.11 | 4.77 |
| 23232X8 | 28111 | 3/4" x 1/2" | 1.00 | 1.12 | 0.14 | 5.53 |
| 110-162 | 28091 | 1" x 1/8" | 1.15 | 1.37 | 0.29 | 13.75 |
| 110-164 | 28112 | 1" x 1/4" | 1.15 | 1.37 | 0.32 | 15.14 |
| 110-166 | 28113 | 1" x 3/8" | 1.12 | 1.37 | 0.30 | 11.16 |
| 110-168 | | 1 x 1/2 | | | | 11.00 |
| 23236X8 | 28114 | 1" x 1/2" | 1.31 | 1.44 | 0.29 | 12.58 |
| 110-1612 | | 1 x 3/4 | | | | 10.01 |
| 23236X12 | 28115 | 1" x 3/4" | 1.31 | 1.37 | 0.20 | 10.76 |
| 110-328 | | 2 x 1/2 | | | | 78.48 |
| 110-3212 | | 2 x 3/4 | | | | 77.59 |
| 110-3216 | | 2 x 1 | | | | 76.23 |
| 110-3220 | | 2 X 1-1/4 | | | | 74.20 |
| 110-3224 | | 2 x 1-1/2 | | | | 68.32 |

PRB 373 3220 209P 110A 110B

FACE BUSHING



06140
110F

| MAF # | REF # | THREAD SIZE NPTF MXF | OAL A | APPROX. WT. LBS. | LIST |
|-----------|-------|-------------------------|----------|---------------------|-------|
| 110F-42 | 28121 | 1/4" x 1/8" | 0.45 | 0.01 | 3.19 |
| 110F-62 | 28122 | 3/8" x 1/8" | 0.50 | 0.03 | 2.76 |
| 110F-64 | 28116 | 3/8" x 1/4" | 0.50 | 0.02 | 3.25 |
| 110F-82 | 28090 | 1/2" x 1/8" | 0.56 | 0.06 | 5.58 |
| 110F-84 | 28128 | 1/2" x 1/4" | 0.56 | 0.05 | 4.11 |
| 110F-86 | 28117 | 1/2" x 3/8" | 0.56 | 0.03 | 2.36 |
| 110F-124 | 28129 | 3/4" x 1/4" | 0.62 | 0.11 | 8.26 |
| 110F-126 | 28130 | 3/4" x 3/8" | 0.62 | 0.08 | 7.51 |
| 110F-128 | 28118 | 3/4" x 1/2" | 0.64 | 0.03 | 7.17 |
| 110F-168 | 28120 | 1" x 1/2" | 0.75 | 0.11 | 18.76 |
| 110F-1612 | 28119 | 1" x 3/4" | 0.77 | 0.10 | 19.92 |

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PIPE

BRASS FITTINGS

MADE IN THE USA

SQUARE HEAD CORED PLUG

06109
109



| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------|------------------|-------|
| 109-2 | 28084 | 1/8" | 0.58 | 0.27 | 0.02 | 0.95 |
| 109-4 | 28085 | 1/4" | 0.80 | 0.37 | 0.03 | 1.49 |
| 109-6 | 28086 | 3/8" | 0.80 | 0.43 | 0.06 | 2.35 |
| 109-8 | 28087 | 1/2" | 1.07 | 0.55 | 0.13 | 4.03 |
| 109-12 | 28088 | 3/4" | 1.09 | 0.61 | 0.20 | 6.25 |
| 109-16 | 28089 | 1" | 1.24 | 0.81 | 0.35 | 22.76 |

3151 211P 109A 109B

SQUARE HEAD SOLID PLUG

06114



| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|------|------|------------------|-------|
| 109SD-2 | 28084 | 1/8" | 0.58 | 0.27 | 0.02 | 0.96 |
| 109SD-4 | 28085 | 1/4" | 0.80 | 0.37 | 0.03 | 1.51 |
| 109SD-6 | 28086 | 3/8" | 0.80 | 0.43 | 0.06 | 2.39 |
| 109SD-8 | 28087 | 1/2" | 1.07 | 0.55 | 0.13 | 4.18 |
| 109SD-12 | 28088 | 3/4" | 1.09 | 0.61 | 0.20 | 13.40 |
| 109SD-16 | 28089 | 1" | 1.24 | 0.81 | 0.35 | 24.40 |

COUNTERSUNK HEX PLUG

3/4" taper thread

06115
109AL



| MAF # | REF # | THREAD SIZE NPTF | A | SOCKET SIZE | APPROX. WT. LBS. | LIST |
|----------|--------|------------------|------|-------------|------------------|------|
| 109AL-1 | 28092 | 1/16" | 0.30 | 0.12 | 0.01 | 7.06 |
| 109AL-2 | 28093 | 1/8" | 0.30 | 0.18 | 0.01 | 1.14 |
| 109AL-4 | 28094 | 1/4" | 0.45 | 0.26 | 0.02 | 1.45 |
| 109AL-6 | 28095 | 3/8" | 0.45 | 0.31 | 0.03 | 2.92 |
| 109AL-8 | 28096 | 1/2" | 0.61 | 0.39 | 0.05 | 4.09 |
| 109AL-12 | 28-097 | 3/4" | 0.62 | 0.56 | 0.10 | 7.06 |

3153 219P 109CS 118

SLOTTED-HEAD PLUG

06117
117



| MAF # | REF # | THREAD SIZE NPTF | A | APPROX. WT. LBS. | LIST |
|-------|-------|------------------|------|------------------|------|
| 117-2 | 28174 | 1/8" | 0.31 | 0.01 | 1.10 |
| 117-4 | 28175 | 1/4" | 0.42 | 0.02 | 1.37 |
| 117-6 | 28176 | 3/8" | 0.45 | 0.05 | 3.34 |
| 117-8 | | 1/2" | | | 7.45 |

220P 3150 117A 117B

CORED HEX PLUGS

06121
121



23152 = SAE Pattern

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|----------|--------|------------------|------|------|------------------|-------|
| 121-1 | 28200 | 1/16" | 0.48 | 0.38 | 0.01 | 3.40 |
| 121-2 | 28201 | 1/8" | 0.55 | 0.43 | 0.01 | 0.94 |
| 23152X2 | | 1/8" | | | | 1.16 |
| 121-4 | 28202 | 1/4" | 0.62 | 0.56 | 0.02 | 1.57 |
| 23152X4 | | 1/4" | | | | 1.75 |
| 121-6 | 28203 | 3/8" | 0.72 | 0.68 | 0.06 | 2.14 |
| 23152X6 | | 3/8" | | | | 2.63 |
| 121-8 | 28204 | 1/2" | 0.81 | 0.87 | 0.09 | 3.71 |
| 23152X8 | | 1/2" | | | | 4.28 |
| 121-12 | 28205 | 3/4" | 0.94 | 1.06 | 0.16 | 5.94 |
| 23152X12 | | 3/4" | | | | 7.60 |
| 121-16 | 28-206 | 1" | 1.16 | 1.37 | 0.28 | 18.54 |
| 121-20 | | 1-1/4" | | | | 23.80 |
| 121-24 | | 1-1/2" | | | | 47.20 |
| 121-32 | | 2" | | | | 60.43 |

218P 3152 121A 103 121B PPH 218P

PIPE

BRASS FITTINGS

MADE IN THE USA

SOLID HEX HEAD PLUGS



06125
121S

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|---------|---------|------------------|------|------|------------------|-------|
| 121S-2 | 28201S | 1/8" | 0.55 | 0.43 | 0.02 | 1.71 |
| 121S-4 | 28202S | 1/4" | 0.75 | 0.56 | 0.05 | 1.93 |
| 121S-6 | 28203S | 3/8" | 0.66 | 0.68 | 0.07 | 3.91 |
| 121S-8 | 28204S | 1/2" | 0.81 | 0.87 | 0.12 | 4.09 |
| 121S-12 | 28205S | 3/4" | 0.92 | 1.06 | 0.24 | 12.43 |
| 121S-16 | 28-206S | 1" | 1.00 | 1.31 | 0.38 | 20.29 |

121AS

LOCKNUT

- Jam Nuts
- Straight pipe thread



06111
111

| MAF # | REF # | THREAD SIZE NPSL | HEX | THICKNESS | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|-------|-----------|------------------|------|
| 111-2 | 28123 | 1/8" | 0.68 | 0.19 | 0.02 | 1.76 |
| 111-4 | 28124 | 1/4" | 0.87 | 0.25 | 0.04 | 2.99 |
| 111-6 | 28125 | 3/8" | 1.00 | 0.31 | 0.04 | 3.28 |
| 111-8 | 28126 | 1/2" | 1.125 | 0.25 | 0.04 | 4.72 |
| 111-12 | 28127 | 3/4" | 1.38 | 0.38 | 0.09 | 7.59 |

210P 21102 111A 111B

CLOSE NIPPLE



06112
112

| MAF # | REF # | THREAD SIZE NPTF | A | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------------------|------|
| 112-2 | 28131 | 1/8" | 0.75 | 0.01 | 0.73 |
| 112-4 | 28132 | 1/4" | 0.88 | 0.02 | 1.51 |
| 112-6 | 28133 | 3/8" | 1.00 | 0.05 | 2.25 |
| 112-8 | 28134 | 1/2" | 1.12 | 0.06 | 2.92 |
| 112-12 | 28135 | 3/4" | 1.31 | 0.11 | 4.72 |

165 215PN 3326 112A 112B

LONG NIPPLE



06113
113

| MAF # | REF # | THREAD SIZE NPTF | A LENGTH | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|----------|------------------|-------|
| 113-224 | 28140 | 1/8" | 1.50 | 0.03 | 1.61 |
| 113-232 | 28141 | 1/8" | 2.00 | 0.04 | 1.94 |
| 113-240 | 28142 | 1/8" | 2.50 | 0.06 | 3.09 |
| 113-248 | 28143 | 1/8" | 3.00 | 0.06 | 3.53 |
| 113-256 | 28475 | 1/8" | 3.50 | 0.07 | 8.74 |
| 113-424 | 28144 | 1/4" | 1.50 | 0.03 | 2.35 |
| 113-432 | 28145 | 1/4" | 2.00 | 0.05 | 2.83 |
| 113-440 | 28146 | 1/4" | 2.50 | 0.08 | 4.38 |
| 113-448 | 28147 | 1/4" | 3.00 | 0.10 | 5.61 |
| 113-456 | 28481 | 1/4" | 3.50 | 0.12 | 9.38 |
| 113-624 | 28148 | 3/8" | 1.50 | 0.06 | 2.92 |
| 113-632 | 28149 | 3/8" | 2.00 | 0.10 | 4.21 |
| 113-640 | 28150 | 3/8" | 2.50 | 0.10 | 5.55 |
| 113-648 | 28151 | 3/8" | 3.00 | 0.13 | 5.83 |
| 113-656 | 28487 | 3/8" | 3.50 | 0.17 | 14.15 |
| 113-824 | 28152 | 1/2" | 1.50 | 0.08 | 4.09 |
| 113-832 | 28153 | 1/2" | 2.00 | 0.12 | 4.94 |
| 113-840 | 28154 | 1/2" | 2.50 | 0.16 | 7.06 |
| 113-848 | 28155 | 1/2" | 3.00 | 0.20 | 9.49 |
| 113-856 | 28493 | 1/2" | 3.50 | 0.24 | 20.74 |
| 113-1224 | 28136 | 3/4" | 1.50 | 0.12 | 9.67 |
| 113-1232 | 28497 | 3/4" | 2.00 | 0.18 | 13.64 |
| 113-1240 | 28498 | 3/4" | 2.50 | 0.23 | 20.38 |
| 113-1248 | 28499 | 3/4" | 3.00 | 0.28 | 22.80 |

113B 113A 166 3327, 3328, 3329, 3330 3331 215PNL

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PIPE

BRASS FITTINGS

MADE IN THE USA

HEX NIPPLE

SAE# 130137



06122
06322 (LONG)
122

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|-----------|--------|---------------------|------|------|---------------------|-------|
| 23325X1 | 28210 | 1/16" | 0.97 | 0.38 | 0.02 | 19.11 |
| 122-2 | 28211L | 1/8" | 0.91 | 0.43 | 0.02 | 1.20 |
| 23325X2 | 28211 | 1/8" | 0.97 | 0.43 | 0.03 | 1.42 |
| 122-4 | 28212L | 1/4" | 1.12 | 0.56 | 0.04 | 1.89 |
| 23325X4 | 28212 | 1/4" | 1.38 | 0.56 | 0.06 | 2.38 |
| 122-4BSPT | | 1/4" BSPT | 1.25 | 0.68 | 0.07 | 12.55 |
| 122-6 | 28213L | 3/8" | | | | 3.14 |
| 23325X6 | 28213 | 3/8" | 1.41 | 0.68 | 0.07 | 3.37 |
| 122-8 | 28214L | 1/2" | 1.50 | 0.87 | 0.11 | 4.54 |
| 23325X8 | 28214 | 1/2" | 1.81 | 0.87 | 0.17 | 6.43 |
| 122-12 | 28215L | 3/4" | 1.55 | 1.07 | 0.17 | 12.39 |
| 23325X12 | 28215 | 3/4" | 1.96 | 1.13 | 0.23 | 12.58 |
| HPHN-12 | | 3/4 3800 PSI | | | | 40.90 |
| 122-16 | 28216L | 1" | 1.75 | 1.39 | 0.22 | 14.33 |
| 23325X16 | 28-216 | 1" | 2.30 | 1.37 | 0.43 | 22.33 |
| 122-20 | | 1-1/4" | | | | 34.10 |
| 122-24 | | 1-1/2" | | | | 61.02 |
| 122-32 | | 2" | | | | 84.64 |

PHN 216P 3325 379 122AH 122B

REDUCING HEX NIPPLE

SAE# 130137



23325 = SAE Pattern

06123
123

| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|--------------|--------|---------------------|------|------|---------------------|--------|
| 23325X2X1 | 28218 | 1/8" x 1/16" | 1.00 | 0.56 | 0.05 | 13.03 |
| 123-42 | 28220L | 1/4" x 1/8" | 1.00 | 0.56 | 0.04 | 2.03 |
| 23325X4X2 | 28220 | 1/4" x 1/8" | 1.19 | 0.56 | 0.04 | 1.96 |
| 123-62 | 28221L | 3/8" x 1/8" | 1.11 | 0.68 | 0.06 | 3.49 |
| 23325X6X2 | 28221 | 3/8" x 1/8" | 1.22 | 0.68 | 0.07 | 4.27 |
| 123-64 | 28222L | 3/8" x 1/4" | 1.19 | 0.68 | 0.06 | 3.11 |
| 23325X6X4 | 28222 | 3/8" x 1/4" | 1.41 | 0.68 | 0.07 | 3.46 |
| 123-82 | | 1/2" x 1/8" | | | | 16.22 |
| 123-84 | 28223L | 1/2" x 1/4" | 1.34 | 0.87 | 0.09 | 4.94 |
| 23325X8X4 | 28223 | 1/2" x 1/4" | 1.62 | 0.87 | 0.12 | 5.17 |
| 123-86 | 28224L | 1/2" x 3/8" | 1.41 | 0.87 | 0.11 | 5.44 |
| 23325X8X6 | 28224 | 1/2" x 3/8" | 1.62 | 0.87 | 0.12 | 6.07 |
| 23325X8X6TP* | | 1/2" x 3/8" | | | | 7.06 |
| 123-122 | | 3/4" x 1/8" | | | | 21.05 |
| 123-124 | | 3/4" x 1/4" | | | | 17.86 |
| 123-126 | | 3/4" x 3/8" | | | | 10.74 |
| 123-128 | 28225L | 3/4" x 1/2" | 1.81 | 1.06 | 0.19 | 7.06 |
| 23325X12X8 | 28225 | 3/4" x 1/2" | 1.50 | 1.06 | 0.15 | 11.00 |
| 123-164 | | 1" x 1/4" | | | | 34.02 |
| 123-166 | | 1" x 3/8" | | | | 33.34 |
| 123-168 | | 1" x 1/2" | | | | 32.06 |
| 123-1612 | 28227 | 1" x 3/4" | 2.31 | 1.38 | 0.38 | 53.43 |
| 23325X16X12 | | 1" x 3/4" | | | | 61.94 |
| 123-328 | | 2" x 1/2" | | | | 121.11 |
| 123-3212 | | 2" x 3/4" | | | | 112.94 |
| 123-3216 | | 2" x 1" | | | | 112.31 |
| 123-3220 | | 2" x 1-1/4" | | | | 115.58 |
| 123-3224 | | 2" x 1-1/2" | | | | 107.29 |

*Tapped 3/8 NPTF on 1/2 NPTF

PHN 216P 3325 379 122AH 122B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE

BRASS FITTINGS

MADE IN THE USA

45° STREET ELBOW

SAE# 130339



06124
124

| MAF # | REF # | 1 X 2 THREAD SIZE NPTF | B | A | C | APPROX. WT. LBS. | LIST |
|------------|-------|------------------------|------|------|------|------------------|-------|
| 23350X1 | | 1/16" | | | | | 8.23 |
| 23350X2 | 28230 | 1/8" | 0.38 | 0.50 | 0.56 | 0.03 | 4.09 |
| 23350X4 | 28231 | 1/4" | 0.56 | 0.72 | 0.68 | 0.09 | 5.04 |
| 23350X6 | 28232 | 3/8" | 0.56 | 0.78 | 0.81 | 0.12 | 6.75 |
| 23350X8 | 28233 | 1/2" | 0.75 | 1.00 | 1.00 | 0.20 | 10.85 |
| 23350X12 | 28234 | 3/4" | 0.75 | 1.06 | 1.25 | 0.34 | 34.67 |
| 23350X2X1 | | 1/8" x 1/16" | | | | | 8.61 |
| 23350X4X1 | | 1/4" x 1/16" | | | | | 11.47 |
| 23350X4X2 | | 1/4" x 1/8" | | | | | 11.38 |
| 23350X4X6 | | 1/4" x 3/8" | | | | | 17.58 |
| 23350X6X2 | | 3/8" x 1/8" | | | | | 18.49 |
| 23350X6X4 | | 3/8" x 1/4" | | | | | 17.94 |
| 23350X6X8 | | 3/8" x 1/2" | | | | | 20.68 |
| 23350X8X2 | | 1/2" x 1/8" | | | | | 20.76 |
| 23350X8X4 | | 1/2" x 1/4" | | | | | 20.85 |
| 23350X8X6 | | 1/2" x 3/8" | | | | | 20.92 |
| 23350X12X6 | | 3/4" x 3/8" | | | | | 45.49 |
| 23350X12X8 | | 3/4" x 1/2" | | | | | 45.49 |

306 3350 2214P 224

45° FORGED STREET ELBOW



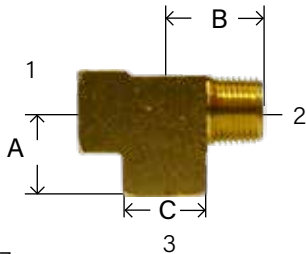
06224
124F

| MAF # | REF # | THREAD SIZE NPTF | A | B | WRENCH FLATS | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------|--------------|------------------|-------|
| 124F-2 | 28238 | 1/8" | 0.63 | 0.81 | 0.56 | 0.05 | 6.86 |
| 124F-4 | 28239 | 1/4" | 0.63 | 1.06 | 0.81 | 0.11 | 7.38 |
| 124F-6 | 28240 | 3/8" | 0.72 | 1.06 | 0.93 | 0.17 | 10.51 |

45E8 124B

STREET TEE/ SERVICE TEE/ MALE RUN TEE

SAE# 130424



06127
127

| MAF # | REF # | 1 X 2 X 3 THREAD SIZE NPTF | A | B | C | APPROX. WT. LBS. | LIST |
|----------|-------|----------------------------|------|------|------|------------------|-------|
| 23750X2 | 28245 | 1/8" | 0.55 | 0.66 | 0.56 | 0.08 | 5.78 |
| 127-2 | | 1/8" | | | | | 5.78 |
| 23750X4 | 28246 | 1/4" | 0.78 | 0.91 | 0.68 | 0.17 | 7.67 |
| 127-4 | | 1/4" | | | | | 7.67 |
| 23750X6 | 28247 | 3/8" | 0.84 | 0.97 | 0.81 | 0.22 | 10.83 |
| 127-6 | | 3/8" | | | | | 10.83 |
| 23750X8 | 28248 | 1/2" | 1.09 | 1.25 | 1.00 | 0.40 | 21.37 |
| 127-8 | | 1/2" | | | | | 19.03 |
| 23750X12 | 28249 | 3/4" | 1.16 | 1.39 | 1.25 | 0.60 | 43.67 |
| 127-12 | | 3/4" | | | | | 43.67 |
| 127R-212 | | 1/8 X 1/16 X 1/8" | | | | | 22.72 |
| 127R-424 | | 1/4 X 1/8 X 1/4" | | | | | 17.52 |
| 127R-646 | | 3/8 X 1/4 X 3/8" | | | | | 19.61 |
| 127R-868 | | 1/2 X 3/8 X 1/2" | | | | | 31.28 |
| 127R-884 | | 1/2 x 1/2 x 1/4" | | | | | 36.68 |

225 2225P 3750 326 225 127A

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE

BRASS FITTINGS

MADE IN THE USA

FORGED STREET TEE



06227
127F

| MAF # | REF # | THREAD SIZE NPTF | A | B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|---------|--------|------------------|------|------|------------|------------------|-------|
| 127F-2 | 28253 | 1/8" | 0.56 | 0.75 | 0.50 | 0.05 | 5.56 |
| 127F-4 | 28254 | 1/4" | 1.03 | 1.00 | 0.46 | 0.13 | 6.85 |
| 127F-6 | 28255 | 3/8" | 1.19 | 1.09 | 0.68 | 0.24 | 12.37 |
| 127F-8 | 28256 | 1/2" | 1.52 | 1.40 | 0.88 | 0.45 | 24.27 |
| 127F-12 | 28-257 | 3/4" | 1.34 | 1.73 | 1.25 | 0.65 | 58.42 |

107 T8 127B

EXTENDER ADAPTER

SAE# 130139



06120
120

| MAF # | REF # | THREAD SIZE NPTF FXM | A | HEX | APPROX. WT. LBS. | LIST |
|-----------|--------|----------------------|------|------|------------------|--------|
| 23200X2X1 | | 1/8" x 1/6" | | | | 7.73 |
| 120-20 | | 1/8" x 10/32" | | | | 13.36 |
| 120-22 | 28190L | 1/8" x 1/8" | 0.83 | 0.50 | 0.03 | 1.84 |
| 23200X2 | 28190 | 1/8" x 1/8" | 0.88 | 0.56 | 0.04 | 1.91 |
| 120-41 | | 1/4" x 1/16" | | | | 13.96 |
| 120-42 | 28191L | 1/4" x 1/8" | 0.94 | 0.62 | 0.04 | 2.29 |
| 23404X2 | 28191 | 1/4" x 1/8" | 1.06 | 0.75 | 0.07 | 7.60 |
| 120-44 | 28192L | 1/4" x 1/4" | 1.00 | 0.62 | 0.04 | 2.47 |
| 23200X4 | 28192 | 1/4" x 1/4" | 1.25 | 0.75 | 0.07 | 3.43 |
| 120-48 | | 1/4" X 1/2" | | | | 17.45 |
| 120-62 | 28198 | 3/8" x 1/8" | 1.00 | 0.81 | 0.06 | 5.10 |
| 23206X2 | | 3/8" x 1/8" | | | | 8.58 |
| 120-64 | 28193L | 3/8" x 1/4" | 1.12 | 0.81 | 0.08 | 3.71 |
| 23206X4 | 28193 | 3/8" x 1/4" | 1.25 | 0.87 | 0.09 | 6.43 |
| 120-66 | 28194L | 3/8" x 3/8" | 1.24 | 0.81 | 0.10 | 4.54 |
| 23200X6 | 28194 | 3/8" x 3/8" | 1.25 | 0.87 | 0.11 | 8.04 |
| 120-68 | | 3/8" X 1/2" | | | | 12.91 |
| 120-82 | 28197 | 1/2" x 1/8" | 1.09 | 0.94 | 0.07 | 12.90 |
| 120-84 | | 1/2" x 1/4" | | | | 6.16 |
| 23208X4 | 28199 | 1/2" x 1/4" | 1.46 | 1.06 | 0.08 | 6.76 |
| 120-86 | 28195L | 1/2" x 3/8" | 1.19 | 0.93 | 0.09 | 6.01 |
| 23208X6 | 28195 | 1/2" x 3/8" | 1.47 | 1.06 | 0.18 | 8.58 |
| 120-88 | 28196L | 1/2" x 1/2" | 1.25 | 0.94 | 0.10 | 7.34 |
| 23200X8 | 28196 | 1/2" x 1/2" | 1.66 | 1.06 | 0.12 | 9.49 |
| 120-124 | | 3/4" x 1/4" | | | | 37.79 |
| 120-126 | | 3/4" x 3/8" | | | | 25.00 |
| 23212X6 | 28207 | 3/4" x 3/8" | 1.59 | 1.25 | 0.26 | 24.70 |
| 23212X8 | 28208 | 3/4" x 1/2" | 1.69 | 1.37 | 0.14 | 17.39 |
| 120-128 | 28208L | 3/4" x 1/2" | 1.22 | 1.25 | 0.13 | 15.76 |
| 23200X12 | 28209 | 3/4" x 3/4" | 1.69 | 1.37 | 0.34 | 23.85 |
| 120-164 | | 1" x 1/4" | | | | 45.46 |
| 120-166 | | 1" x 3/8" | | | | 41.45 |
| 120-168 | | 1" x 1/2" | | | | 32.44 |
| 120-1612 | | 1" x 3/4" | | | | 31.72 |
| 120-1616 | | 1" x 1" | | | | 33.43 |
| 120-328 | | 2" X 1/2" | | | | 161.59 |
| 120-3212 | | 2" x 3/4" | | | | 156.54 |
| 120-3224 | | 2" x 1-1/2" | | | | 151.48 |
| 120-3232 | | 2" X 2" | | | | 143.73 |

375 222P 3200 R1 120AH 120B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

MID-AMERICA FITTINGS



PIPE

BRASS FITTINGS

MADE IN THE USA

FORGED 90° MALE ELBOW

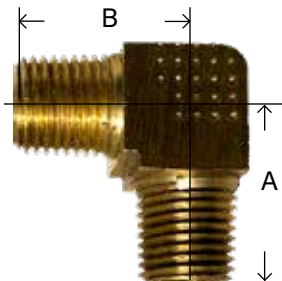


06230
130

| MAF # | REF # | THREAD SIZE NPTF | A | BODY WIDTH | APPROX. WT. LBS. | LIST |
|--------|-------|------------------|------|------------|------------------|------|
| 130F-2 | 28266 | 1/8" | 0.79 | 0.38 | 0.04 | 3.90 |
| 130F-4 | 28267 | 1/4" | 0.87 | 0.45 | 0.06 | 4.36 |
| 130F-6 | 28268 | 3/8" | 1.06 | 0.59 | 0.12 | 7.77 |
| 130F-8 | 28269 | 1/2" | 1.38 | 0.78 | 0.21 | 9.76 |

1204P LE5 3455 116AMF

BARSTOCK 90° MALE ELBOW



06130
130R

| MAF # | REF # | THREAD SIZE NPTF | A | BODY WIDTH | APPROX. WT. LBS. | LIST |
|---------------|--------|------------------|------|------------|------------------|-------|
| 23455X2 | 28266B | 1/8" | 0.69 | 0.56 | 0.08 | 9.70 |
| 23455X4 | 28267B | 1/4" | 0.95 | 0.59 | 0.09 | 13.00 |
| 23455X4X4BSPT | | 1/4 MPT X BSPT | | | | 14.85 |
| 23455X6 | 28268B | 3/8" | 1.01 | 0.71 | 0.15 | 19.58 |
| 23455X8 | 28269B | 1/2" | 1.40 | 1.00 | 0.38 | 33.50 |
| 23455X12 | 28270B | 3/4" | 1.50 | 1.25 | 0.55 | 43.80 |
| 23455X8X6 | 28276B | 1/2" x 3/8" | 1.12 | 1.00 | 0.35 | 41.44 |

FORGED 90° MALE REDUCING ELBOW



06235
130F

| MAF # | REF # | THREAD SIZE NPTF | A | B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|------|------|------------|------------------|------|
| 130FR-42 | 28274 | 1/4" x 1/8" | 0.88 | 0.78 | 0.47 | 0.06 | 6.45 |
| 130FR-62 | | 3/8" x 1/8" | | | | | 7.51 |
| 130FR-64 | 28275 | 3/8" x 1/4" | 0.90 | 0.90 | 0.46 | 0.06 | 5.35 |
| 130FR-86 | 28276 | 1/2" x 3/8" | 1.12 | 1.00 | 0.59 | 0.12 | 9.60 |

MALE BRANCH TEE

SAE# 130425



06131
131

| MAF # | REF # | THREAD SIZE NPTF | A | B | C | APPROX. WT. LBS. | LIST |
|----------|-------|------------------|------|------|------|------------------|-------|
| 23600X2 | 28281 | 1/8" | 0.66 | 0.55 | 0.56 | 0.08 | 5.91 |
| 131-2 | | 1/8" | | | | | 5.91 |
| 23600X4 | 28282 | 1/4" | 0.91 | 0.78 | 0.68 | 0.15 | 9.04 |
| 131-4 | | 1/4" | | | | | 8.22 |
| 23600X6 | 28283 | 3/8" | 0.97 | 0.84 | 0.81 | 0.22 | 10.80 |
| 131-6 | | 3/8" | | | | | 10.80 |
| 23600X8 | 28284 | 1/2" | 1.25 | 1.09 | 1.00 | 0.40 | 21.56 |
| 131-8 | | 1/2" | | | | | 21.56 |
| 23600X12 | 28285 | 3/4" | 1.38 | 1.16 | 1.25 | 0.62 | 39.74 |
| 131-12 | | 3/4" | | | | | 39.74 |
| | | (1"x2") x 3" | | | | | |
| 131R-21 | | 1/8 X 1/16 | | | | | 20.83 |
| 131R-42 | | 1/4 X 1/8 | | | | | 17.82 |
| 131R-64 | | 3/8 X 1/4 | | | | | 20.04 |
| 131R-86 | | 1/2 X 3/8 | | | | | 31.68 |
| 131R-128 | | 3/4 X 1/2 | | | | | 52.37 |

T9 X106 23601 3600 2224P 226 329 128

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PIPE

BRASS FITTINGS

MADE IN THE USA

FORGED MALE BRANCH TEE



06231
131F

| MAF # | REF # | THREAD SIZE NPTF | A | B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|--------|--------|------------------|------|------|------------|------------------|-------|
| 131F-2 | 28281F | 1/8" | 0.75 | 0.56 | 0.50 | 0.06 | 5.15 |
| 131F-4 | 28282F | 1/4" | 1.00 | 1.03 | 0.46 | 0.12 | 8.32 |
| 131F-6 | | 3/8" | | | | | 13.43 |
| 131F-8 | | 1/2" | | | | | 17.84 |

T9

FORGED ALL MALE TEE



06232
132F

| MAF # | REF # | THREAD SIZE NPTF | A | B | BODY WIDTH | APPROX. WT. LBS. | LIST |
|---------|-------|------------------|------|------|------------|------------------|-------|
| 132F-2 | 28290 | 1/8" | 0.75 | 0.75 | 0.43 | 0.06 | 6.86 |
| 132F-4 | 28291 | 1/4" | 0.86 | 0.86 | 0.43 | 0.08 | 5.48 |
| 132F-6 | 28292 | 3/8" | 1.09 | 1.09 | 0.60 | 0.16 | 11.00 |
| 132F-8 | 28293 | 1/2" | 1.22 | 1.22 | 0.68 | 0.22 | 13.19 |
| 132F-12 | 28294 | 3/4" | 1.43 | 1.43 | 0.87 | 0.38 | 39.55 |

T12 M101

LONG STREET ELLS

D.O.T. Approved



| MAF # | REF # | THREAD SIZE NPTF | A | B | APPROX. WT. LBS. | LIST |
|-----------|-------|------------------|----------|------|------------------|-------|
| 116XL-219 | 28440 | 1/8" | 1-3/16" | 0.50 | 0.06 | 10.99 |
| 116XL-223 | 28441 | 1/8" | 1-7/16" | 0.50 | 0.06 | 5.73 |
| 116XL-227 | 28442 | 1/8" | 1-11/16" | 0.50 | 0.06 | 9.08 |
| 116XL-230 | 28443 | 1/8" | 1-7/8" | 0.50 | 0.16 | 15.95 |
| 116XL-419 | 28328 | 1/4" | 1-3/16" | 0.75 | 0.12 | 18.44 |
| 116XL-423 | 28329 | 1/4" | 1-7/16" | 0.75 | 0.14 | 15.02 |
| 116XL-427 | 28330 | 1/4" | 1-11/16" | 0.75 | 0.15 | 14.99 |
| 116XL-430 | 28331 | 1/4" | 1-7/8" | 0.62 | 0.09 | 14.19 |
| 116XL-436 | 28332 | 1/4" | 2-1/4" | 0.75 | 0.17 | 20.43 |
| 116XL-628 | 28333 | 3/8" | 1-3/4" | 0.87 | 0.22 | 23.40 |

LONG EXTENSION ADAPTERS

D.O.T. Approved



| MAF # | REF # | THREAD SIZE NPTF | A | HEX | APPROX. WT. LBS. | LIST |
|-----------|-------|------------------|----------|------|------------------|-------|
| 120XL-220 | 28335 | 1/8" | 1-1/4" | 0.50 | 0.04 | 12.09 |
| 120XL-228 | 28336 | 1/8" | 1-3/4" | 0.50 | 0.05 | 13.16 |
| 120XL-248 | 28337 | 1/8" | 3" | 0.50 | 0.09 | 23.70 |
| 120XL-425 | 28338 | 1/4" | 1-9/16" | 0.62 | 0.07 | 7.26 |
| 120XL-429 | 28339 | 1/4" | 1-13/16" | 0.62 | 0.08 | 9.24 |
| 120XL-433 | 28340 | 1/4" | 2-1/16" | 0.62 | 0.10 | 8.58 |

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MID-AMERICA FITTINGS

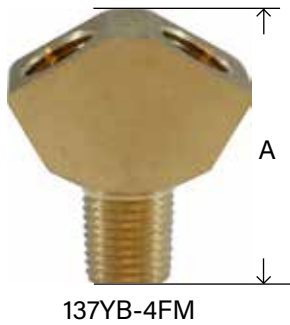


PIPE

BRASS FITTINGS

MADE IN THE USA

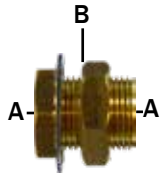
PIPE WYE FIP X MIP



| MAF # | REF # | THREAD SIZE NPT | A | APPROX. WT. LBS. | LIST |
|-----------|-------|-----------------|------|------------------|-------|
| 137YB-4FM | 28295 | 1/4" | 1.56 | .15 | 13.72 |

BULKHEAD / ANCHOR / FRAME COUPLINGS

FEMALE PIPE X FEMALE PIPE

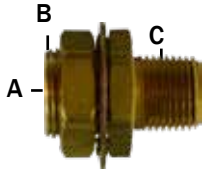


| MAF # | REF # | A | B | HOSE SIZE | LENGTH (IN.) | LIST |
|-------------|---------|-------------|--------------|-----------|--------------|--------|
| 207ACBH-2S | 28299 | 1/8-27 NPTF | 5/8-18 UNS | 5/8 | 0.96 | 20.97 |
| 207ACBH-2 | 28300 | 1/8-27 NPTF | 5/8-18 UNS | 5/8 | 1-1/2 | 8.58 |
| 207ACBH-45 | 28301 | 1/4-18 NPTF | 3/4-16 UNS | 3/4 | 15/16 | 8.05 |
| 207ACBH-4 | 28302 | 1/4-18 NPTF | 3/4-16 UNS | 3/4 | 1-1/2 | 10.48 |
| 207ACBHLH-4 | 28315* | 1/4-18 NPTF | 3/4-16 UNS | 3/4 | 1-1/2 | 11.47 |
| 207ACBH-6 | 28303 | 3/8-18 NPTF | 1-14 UNS | 1 | 1-5/16 | 13.00 |
| 207ACBH-8 | 28304 | 1/2-14 NPTF | 1-1/8-14 UNS | 1-1/8 | 1-1/2 | 19.49 |
| 207ACBH-12 | 28311 | 3/4-14 NPTF | 1-5/16-12 | 1-5/16 | 1-1/2 | 96.68 |
| 207ACBH-16 | 28316** | 1-11/12 | 1-5/8-14 | 1-5/8 | 1.68 | 273.62 |

00397

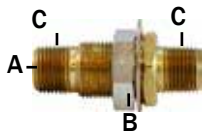
* Same as 28-302 except with a larger mounting nut. **Without washer

FEMALE PIPE X MALE PIPE



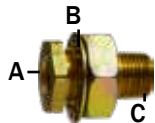
| MAF # | REF # | A | B | C | LIST | |
|--------|-------|-------------|----------|-------------|---------|-------|
| MA1317 | 28317 | 1/4-18 NPTF | 1-14 UNS | 1/2-14 NPTF | 2-1/8 | 31.39 |
| MA1318 | 28318 | 3/8-18 NPTF | 1-14 UNS | 1/2-14 NPTF | 1-11/16 | 16.49 |
| MA1319 | 28319 | 3/8-18 NPTF | 1-14 UNS | 1/2-14 NPTF | 1-29/32 | 16.43 |

FEMALE PIPE X MALE PIPE



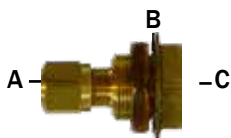
| MAF # | REF # | A | B | C | LIST | |
|--------|-------|-------------|----------|-------------|-------|-------|
| MA1342 | 28313 | 1/4-18 NPTF | 1-14 UNS | 1/2-14 NPTF | 2-7/8 | 31.35 |

FEMALE PIPE X MALE PIPE



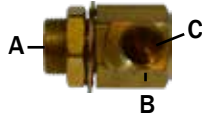
| MAF # | REF # | A | B | C | LIST | |
|------------|-------|-------------|----------|-------------|-------|-------|
| 207BH-6FML | 28346 | 3/8-18 NPTF | 1-14 UNS | 1/2-14 NPTF | 1-7/8 | 20.55 |
| 207BH-8FML | 28347 | 1/2-14 NPTF | 1-14 UNS | 1/2-14 NPTF | 2-3/8 | 28.65 |

TUBE X FEMALE PIPE



| MAF # | REF # | A | B | C | LIST | |
|-----------|-------|---------------|-------------|-------------|--------|-------|
| NT207BH-8 | 28321 | 1/2-O.D. Tube | 7/8-20 UNCF | 3/8-18 NPTF | 1-5/16 | 14.23 |
| NT207BH-6 | 28322 | 3/8-O.D. Tube | 7/8-20 UNCF | 3/8-18 NPTF | 1-3/8 | 13.55 |

FEMALE PIPE X CLAMPING STUD ELBOW



| MAF # | REF # | A | B | C | LIST | |
|--------|-------|-------------|-------------|-------------|--------|-------|
| MA1348 | 28348 | 3/8-18 NPTF | 7/8-20 UNEF | 3/8-18 NPTF | 2-5/16 | 27.64 |

BRASS MARINE BULKHEAD



| MAF # | REF # | A | B | C | LIST | |
|-----------|-------|--------------|------|------|------|-------|
| 29SBBHS-5 | 46540 | 5/16 Hose ID | ---- | ---- | 2.37 | 26.76 |
| 29SBBHS-6 | 46541 | 3/8 Hose ID | ---- | ---- | 2.37 | 27.83 |

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