




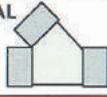










# Capitol Forged Steel Fittings

## FORGED STEEL FITTINGS

ASME B16.11 ASME B31.8  
 ASME B31.1 ASME SA105  
 ASME B31.3 ASTM A105  
 ASME B31.4 NACE MRO175  
 ASME B31.5


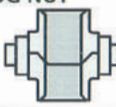
|   | CLASS/<br>PRESSURE                    | SIZE         |                |
|---|---------------------------------------|--------------|----------------|
|   |                                       | THREADED     | SOCKET WELDING |
| <b>90° ELBOW</b><br>   | 2,000                                 | 1/4 - 4"     | -              |
|   | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 2"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>45° ELBOW</b><br>   | 2,000                                 | 1/4 - 4"     | -              |
|   | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 2"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>TEE</b><br>   | 2,000                                 | 1/4 - 4"     | -              |
|   | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 2"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>CROSS</b><br>   | 2,000                                 | 1/4 - 4"     | -              |
|   | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 2"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>STREET ELBOW</b><br><small>Not covered by B16.11</small><br> | 3,000                                 | 1/8 - 2"     | -              |
|   | 6,000                                 | 1/8 - 1 1/2" | -              |
| <b>LATERAL</b><br><small>Not covered by B16.11</small><br>     | 3,000                                 | 1/2 - 2"     | 1/2 - 2"       |
|   | 6,000                                 | 3/8 - 1 1/2" | 1/2 - 2"       |
|   | 9,000                                 | -            | 1/2 - 1 1/2"   |
| <b>COUPLING</b><br>  | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>HALF COUPLING</b><br>                                       | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>PIPE CAP</b><br>  | 3,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 6,000                                 | 1/8 - 4"     | 1/8 - 4"       |
|   | 9,000                                 | -            | 1/2 - 2"       |
| <b>BUSHINGS</b><br>  | HEX<br>FLUSH                          | 1/4 - 4"     |                |
|   | HEX HEAD<br>SQUARE HEAD<br>ROUND HEAD | 1/8 - 4"     |                |

### MSS SP-79

|   |       |   |              |
|---|-------|---|--------------|
| <b>REDUCER INSERT TYPE 1</b><br> | 3,000 | - | 3/8 - 3"     |
|   | 6,000 | - | 3/8 - 2 1/2" |
| <b>REDUCER INSERT TYPE 2</b><br> | 3,000 | - | 3/4 - 4"     |
|   | 6,000 | - | 3/4 - 2 1/2" |



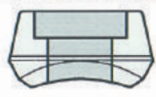
AAR / MSS SP-83\*  
 ASME SA105  
 ASTM A105  
 NACE MRO175

## UNIONS

|  | PRESSURE | SIZE         |                |
|--|----------|--------------|----------------|
|  |          | THREADED     | SOCKET WELDING |
| <b>OCTAGON NUT</b><br> | *3,000   | 1/8 - 3"     | 1/8 - 3"       |
|  | 6,000    | 1/8 - 2 1/2" | 1/8 - 2 1/2"   |
| <b>LUG NUT</b><br>     | *3,000   | 1/2 - 4"     | 1/2 - 4"       |
|  | 6,000    | 3/8 - 3"     | 3/8 - 3"       |
|  | 9,000    | -            | 3/8 - 2 1/2"   |

MSS SP-97 / ASME B16.9  
 POWER PIPING ASME B31.1  
 REFINING ASME B31.3  
 LIQUID TRANSPORTATION ASME B31.4  
 REFRIGERATION PIPING ASME B31.5  
 GAS TRANSMISSION ASME B31.8  
 ASME SA105 / ASTM A105  
 NACE MRO175

## TRANS-O-CON® BRANCH CONNECTIONS

|  | SCHEDULE/<br>PRESSURE | SIZE      |           |
|--|-----------------------|-----------|-----------|
|  |                       | REDUCING  | FULL      |
| <b>B W TRANS-O-CON®</b><br>        | STANDARD              | 1/4 - 24" | 1/2 - 24" |
|  | XS                    | 1/4 - 24" | 1/2 - 24" |
|  | 160-XXH               | 1/2 - 4"  | 1/2 - 4"  |
| <b>THREADED TRANS-O-CON®</b><br> | 3,000                 | 1/8 - 4"  | 1/2 - 4"  |
|  | 6,000                 | 1/2 - 2"  | -         |
| <b>S W TRANS-O-CON®</b><br>      | 3,000                 | 1/8 - 4"  | 1/2 - 4"  |
|  | 6,000                 | 1/2 - 2"  | -         |

- Stainless, and other chemistries subject to inquiry.
- Elbow and lateral Trans-O-Cons also available.
- Class 10,000 Threaded Fittings subject to inquiry
- Threading Specification ASME B1.20.1
- Larger sizes subject to inquiry.
- Reducer Couplings available.



## THE PHOENIX FORGE GROUP



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# The Phoenix Forge Group

## INDUSTRIAL SPECIFICATIONS

ASTM/ASME A/SA234WPB  
ASTM/ASME A/SA403  
NACE MRO175  
MSS SP-95  
ASME B1.20.1

## OIL COUNTRY SPECIFICATIONS

API 5CT  
API 5L  
API STD 5B

## SWAGE NIPPLES

CARBON STAINLESS

### NPS SIZES



THREADED BOTH ENDS



BEVELED BOTH ENDS



PLAIN BOTH ENDS

| SCHEDULE | THREADED ENDS | BEVELED ENDS | PLAIN ENDS |
|----------|---------------|--------------|------------|
| STANDARD | 2" – 8"       | 2" – 4"      | 2" – 4"    |
| XH       | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |
| 160      | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |
| XXH      | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |

## INDUSTRIAL SPECIFICATIONS

ASTM/ASME A/SA234WPB  
ASTM/ASME A/SA403  
NACE MRO175  
MSS SP-95  
ASME B1.20.1

## OIL COUNTRY SPECIFICATIONS

API 5CT  
API 5L  
API STD 5B

## BULL PLUGS

CARBON STAINLESS

### NPS SIZES



THREADED



BEVELED



1/2" TAPPED

| SCHEDULE | THREADED ENDS | BEVELED ENDS | PLAIN ENDS |
|----------|---------------|--------------|------------|
| STANDARD | 2" – 8"       | 2" – 8"      | 2" – 8"    |
| XH       | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |
| 160      | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |
| XXH      | 1/4" – 8"     | 1/4" – 8"    | 1/4" – 8"  |

## INDUSTRIAL SPECIFICATIONS

ASTM/ASME A/SA106 B  
ASTM/ASME A/SA53 TYPE E & F  
ASTM/ASME A/SA312  
ASTM A733  
NACE MRO175  
ASME B1.20.1

## OIL COUNTRY SPECIFICATIONS

API 5CT  
API 5L  
API STD 5B

## PIPE NIPPLES

CARBON STAINLESS

### NPS SIZES



THREADED BOTH ENDS



BEVELED BOTH ENDS



PLAIN BOTH ENDS

| SCHEDULE | THREADED ENDS | BEVELED ENDS | PLAIN ENDS |
|----------|---------------|--------------|------------|
| STANDARD | 1/8" – 8"     | 1/8" – 8"    | 1/8" – 8"  |
| XH       | 1/8" – 8"     | 1/8" – 8"    | 1/8" – 8"  |
| 160      | 1/2" – 4"     | 1/2" – 4"    | 1/2" – 4"  |
| XXH      | 1/2" – 4"     | 1/2" – 4"    | 1/2" – 4"  |

\*\* SEAMLESS \*\*

\*\* WELDED \*\*



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