

CAPITOL



A Member of The Phoenix Forge Group

Price Sheet SN-211

Effective February 14, 2011
Supersedes SN-610

Phoenix/Capitol

Phone: 337-783-8628

Fax: 337-783-5360

Toll Free: 888-744-7326

Toll Free: 800-848-1100

www.capitolcamco.com

www.phoenixforge.com

CARBON STEEL SWAGE NIPPLES AND BULL PLUGS

Freight Allowance: Shipments F.O.B. Factory. Full freight allowed on shipments of \$2,500.00 net or more of Phoenix * Capitol * Camco product within the USA (Alaska and Hawaii excepted).

Minimum invoice \$100.00 net. Terms 2% 10 days, net 30 days.

ALL SHIPMENTS SUBJECT TO PRICE IN EFFECT AT TIME OF SHIPMENT.

UPS Shipments \$7.00 Handling charge.

Phoenix * Capitol * Camco

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Package Quantities

| Size | Swage Nipples | | | Bull Plugs | | Oil Country |
|--------|---------------|----|---------|------------|---------|-------------|
| | STD | XH | 160-XXH | STD-XH | 160-XXH | |
| 1/8" | | 24 | 24 | 24 | 24 | |
| 1/4" | | 24 | 24 | 24 | 24 | |
| 3/8" | | 24 | 24 | 24 | 24 | |
| 1/2" | | 24 | 24 | 24 | 24 | |
| 3/4" | | 12 | 12 | 12 | 12 | |
| 1" | | 12 | 12 | 12 | 12 | |
| 1 1/4" | | 12 | 12 | 12 | 12 | |
| 1 1/2" | | 12 | 12 | 12 | 12 | |
| 2" | 12 | 12 | 12 | 12 | 12 | 12 |
| 12" Lg | | | | | | 6 |
| 2 1/2" | 12 | 12 | 6 | 12 | 6 | 6 |
| 12" Lg | | | | | | 6 |
| 3" | 6 | 6 | 6 | 6 | 4 | 6 |
| 12" Lg | | | | | | 6 |
| 4" | 6 | 6 | 4 | 6 | 4 | 6 |
| 5" | 2 | 2 | | | | 2 |
| 6" | 2 | 2 | | | | 1 |
| 7"OD | 1 | 1 | | | | 1 |
| 8" | 1 | 1 | | | | 1 |

Manufacturing Specification And Data

Capitol Manufacturing Company's Carbon Steel Swage Nipple and Bull Plugs are manufactured in conformance with ASTM A234WPB and MSS-SP95. The raw material used in manufacturing these products are A106 Grade B Seamless pipe and/or hot-rolled, low to medium carbon barstock. As a rule, 1" and smaller sizes will be made from hex barstock, and most 1 1/4" and larger sizes will be made from pipe. Where pipe is not a practical raw material, round barstock will be used. No sacrifice of properties will result from this practice.

Capitol Manufacturing Company's fittings are marked as follows:

| | |
|--------------------|---|
| Size and Schedule: | Size of fittings and pipe schedule or weight. |
| Material Grade: | WPB on line pipe sizes (as in A234WPB) J (J55), K (K55), N (N80), on Oil Country Sizes. Stainless and Alloy will be stamped with their proper ASTM specification. |
| Heat Code I.D.: | Fittings are steel stamped with a series of alpha and numeric codes fully traceable to the original raw material test report. |
| Heat Treatment: | Carbon Steel Swage Nipples and Bull Plugs furnished in a normalized condition are marked with the letter, "N." Oil Country sizes pressed from pipe or tube will be normalized. These sizes are not marked as normalized to avoid any confusion with the symbol for N-80 material. |
| Label: | Carbon Steel – size and schedule or weight (where space is available). Oil Country – size only. |

Specification Compliance Data For Swage Nipples

| | | | |
|-----------------|------------------------------|-----------|--|
| End Connections | | | |
| | Threads | ANSI/ASME | B1.20.1, API 5B |
| | Beveled Ends | ANSI | B16.9 |
| | Square Cut Ends | ANSI | B16.11 |
| Coatings | | | |
| | Zinc Electro Plate | ASTM | B633 |
| | Phosphate | CAPITOL | Zinc Phosphate |
| | Paint (Beveled & Plain Ends) | | Acrylic Lacquer |
| | Hot Dip Galvanizing | ASTM | A153 |
| Raw Materials | | | |
| | Carbon Steel | ASME/ASTM | SA106 GR-B, A696 |
| | Stainless Steel | ASME/ASTM | SA312,SA182 |
| | Chrome and Low Temp | ASME/ASTM | SA335,SA333,SA182,SA350 |
| | Nickel Alloy | ASME/ASTM | SB161,SB165,SSB163,SB407, SB464,SB622,SB160,SB164, SB166,SB408,SB473,SB619 |
| Swage Nipples | | MSS SP95 | |
| | Carbon Steel | ASME/ASTM | SA234-WPB |
| | Stainless Steel | ASME/ASTM | SA403-WP,SA182 |
| | Low Temp | ASME/ASTM | SA420-WP,SA350 |
| | Chrome | ASME/ASTM | SA234-WP,SA182 |
| | Nickel Alloy | ASME/ASTM | SB366 |

Extra's
Swage Nipples and Bull Plugs

Plain Ends/Square Cut:

When referring to "Plain Ends" or "PE" on Swage Nipples and Bull Plugs, it is necessary to determine if plain ends/square cut for socketwelding or beveled ends for butt welding are required. Each Swage Nipple or Bull Plug with plain ends/square cut specified must be resized, square cut and gauged to insure a proper fit and installation. For this added service, the following adders apply (for Carbon Steel only):

| | |
|--------------------------------|---------------|
| 1 1/2" and smaller sizes | List plus 30% |
| 2" and larger sizes..... | List plus 20% |

Swage Nipples

Specified as threaded both ends Black and Threaded Black Bull Plug (also applies to raw or unplated)..... List plus 10%

Hot Galvanizing Available..... POA

Grooved Ends

"ES" grooves will be furnished unless otherwise specified.One end +5%; Two ends +10%

Combination Ends (Dual Schedules)

Swage Nipples with different schedule or wall thickness on each end use price of heaviest wall plus 50%.

All Eccentrics..... See page 7 for List prices
5" and larger POA.

Special Lengths of Swages and Bull Plugs

| | |
|--|--|
| Shorter than regular or 50% longer than regular..... | Add 40% to net price |
| 51% to 75% longer than regular..... | Add 55% to net price |
| 76% to 100% longer than regular | Add 80% to net price |
| Over 100% longer than regular length..... | Add 10% for each additional 2" or fraction thereof. |

Female Swage Nipples..... POA

Tapped Bull Plugs

| | |
|---|---------------------|
| 2" (2-3/8" O.D.) and smaller..... | Add to list \$14.89 |
| 2 1/2" (2-7/8" O.D.) thru 4 1/2" O.D..... | Add to list \$23.74 |
| 5" O.D. thru 10 3/4" O.D..... | Add to list \$45.38 |

Oil Country Extras..... See Page 10

Mill Test Reports \$5.00 per line item/\$25 min
charge.

Material Certifications..... No charge

Minimum Invoicing Charge..... \$100.00 plus shipping charges

Shortages: Claims for shortages or erroneous charges must be presented within 30 days from the date of receipt of material or they will not be allowed.

Specials: Orders for special sizes or material are NOT subject to cancellation or return.

Returns: No material will be taken in return, credited, or replaced without manufacturer's authorization.

Shipment Routing: We reserve the right to route shipments to obtain the lowest applicable freight rate.

Motor Freight Allowed on any combination of Swage Nipples and Bull Plugs of \$2,500.00 net or more or any other combination of Capitol Manufacturing products of #1000 or more.

Concentric Swage Nipples

1/4" through 3"

| Size, Inches | | | Length Inches | Standard | | Extra Heavy | | Double Ex & 160 | |
|--------------|-------------------|---------------|------------------|----------------|---------------|----------------|---------------|--------------------|---------------|
| Pipe | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1/4" | 0.540 | 1/8 | 2 1/4 | | * | | 46.25 | 1/4 | 57.06 |
| 3/8" | 0.675 | 1/8 | 2 1/2 | | * | 1/4 | 46.25 | 3/8 | 57.06 |
| | | 1/4 | 2 1/2 | | * | 1/4 | 40.61 | 3/8 | 50.24 |
| 1/2" | 0.840 | 1/8 | 2 3/4 | | * | 1/3 | 46.25 | 1/2 | 57.06 |
| | | 1/4 & 3/8 | 2 3/4 | | * | 1/3 | 38.10 | 1/2 | 46.99 |
| 3/4" | 1.050 | 1/8 | 3 | | * | 1/2 | 61.91 | 3/4 | 76.43 |
| | | 1/4 & 3/8 | 3 | | * | 1/2 | 56.42 | 3/4 | 69.62 |
| | | 1/2 | 3 | | * | 1/2 | 43.29 | 3/4 | 53.42 |
| 1" | 1.315 | 1/8 | 3 1/2 | | * | 2/3 | 76.44 | 1 | 94.31 |
| | | 1/4 & 3/8 | 3 1/2 | | * | 2/3 | 67.07 | 1 | 86.90 |
| | | 1/2 & 3/4 | 3 1/2 | | * | 2/3 | 53.48 | 1 | 69.24 |
| 1 1/4" | 1.660 | 1/4 & 3/8 | 4 | | * | 1 | 109.47 | 1 1/2 | 212.25 |
| | | 1/2 & 3/4 | 4 | | * | 1 | 83.15 | 1 1/2 | 192.91 |
| | | 1 | 4 | | * | 1 | 79.24 | 1 1/2 | 153.96 |
| 1 1/2" | 1.900 | 1/4 & 3/8 | 4 1/2 | | * | 1 1/6 | 137.19 | 2 | 212.25 |
| | | 1/2 & 3/4 | 4 1/2 | | * | 1 1/6 | 106.13 | 2 | 201.01 |
| | | 1 | 4 1/2 | | * | 1 1/6 | 92.79 | 2 | 159.09 |
| | | 1 1/4 | 4 1/2 | | * | 1 1/6 | 92.79 | 2 | 144.62 |
| 2" | 2-3/8 | 1/4 & 3/8 | 6 1/2 | | * | 3 | 215.15 | 4 1/4 | 341.07 |
| | | 1/2 & 3/4 | 6 1/2 | | * | 3 | 190.52 | 4 1/4 | 320.57 |
| | | 1 | 6 1/2 | 2 | 130.53 | 2 1/3 | 150.74 | 4 1/4 | 297.92 |
| | | 1 1/4 | 6 1/2 | 2 | 147.09 | 2 1/3 | 159.89 | 4 1/4 | 297.92 |
| | | 1 1/2 | 6 1/2 | 2 | 111.08 | 2 1/3 | 150.74 | 4 1/4 | 297.92 |
| 2 1/2" | 2.78 | 1/2 & 3/4 | 7 | | * | 3 1/2 | POA | 8 | 393.16 |
| | | 1 | 7 | 3 | 163.22 | 3 1/2 | 234.32 | 8 | 371.26 |
| | | 1 1/4 | 7 | 3 | 177.81 | 3 1/2 | 245.76 | 8 | 371.26 |
| | | 1 1/2 | 7 | 3 | 170.83 | 3 1/2 | 223.40 | 8 | 371.26 |
| | | 2 | 7 | 3 | 139.97 | 3 1/2 | 179.98 | 8 | 338.12 |
| 3" | 3-1/2 | 1/2 & 3/4 | 8 | | * | 6 | 500.60 | 11 | 500.60 |
| | | 1 | 8 | 4 1/2 | 227.16 | 6 | 281.97 | 11 | 462.92 |
| | | 1 1/4 | 8 | 4 1/2 | 247.49 | 6 | 295.87 | 11 | 462.92 |
| | | 1 1/2 | 8 | 4 1/2 | 229.45 | 6 | 268.90 | 11 | 462.92 |
| | | 2 & 2 1/2 | 8 | 4 1/2 | 160.17 | 6 | 207.35 | 11 | 404.35 |

These sizes not made in standard weight.

Prices shown are for API line pipe threaded ends, beveled ends or any combination thereof. For square and grooved ends see "Extras."

For other pricing see "Extras."

Swage Nipples threaded both ends, specified as black or unplated=List+10%

Select sizes of 1" and smaller swages in XH and 160 weights in A106(Supl.6)=List+65%

Concentric Swage Nipples

3 1/2" through 8"

| Pipe | Size, Inches | | Length Inches | Standard | | Extra Heavy | | Double Ex & 160 | |
|--------|--------------|------------------|---------------|-------------|------------|-------------|------------|-----------------|------------|
| | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 3 1/2" | 4 | 1/2 thru 1 1/2 | 8 | 5 1/2 | POA | 7 1/2 | POA | 13 1/2 | POA |
| | | 2 thru 3 | 8 | 5 1/2 | POA | 7 1/2 | POA | 13 1/2 | POA |
| 4" | 4 1/2 | 1/2 thru 3/4 | 9 | | * | 10 | POA | 18 | 767.04 |
| | | 1 | 9 | 7 1/2 | 360.94 | 10 | 443.37 | 18 | 611.54 |
| | | 1 1/4 thru 1 1/2 | 9 | 7 1/2 | 347.00 | 10 | 426.10 | 18 | 611.54 |
| | | 2 | 9 | 7 1/2 | 253.97 | 10 | 343.44 | 18 | 541.40 |
| | | 2 1/2 | 9 | 7 1/2 | 274.49 | 10 | 328.06 | 18 | 541.40 |
| 5" | 5 9/16 | 3 & 3 1/2 | 9 | 7 1/2 | 233.16 | 10 | 312.70 | 18 | 541.40 |
| | | 1 thru 1 1/2 | 11 | 11 1/2 | POA | 17 | POA | 33 | POA |
| | | 2 thru 2 1/2 | 11 | 11 1/2 | 962.33 | 17 | 1032.27 | 33 | POA |
| | | 3 thru 3 1/2 | 11 | 11 1/2 | 777.35 | 17 | 930.13 | 33 | POA |
| | | 4 | 11 | 11 1/2 | 640.43 | 17 | 827.14 | 33 | POA |
| 6" | 6 5/8 | 1 thru 1 1/2 | 12 | 17 | POA | 25 | POA | 46 | POA |
| | | 2 thru 2 1/2 | 12 | 17 | 1234.08 | 25 | 1205.59 | 46 | POA |
| | | 3 thru 3 1/2 | 12 | 17 | 878.85 | 25 | 1036.75 | 46 | POA |
| | | 4 | 12 | 17 | 725.95 | 25 | 1013.20 | 46 | POA |
| | | 5 | 12 | 17 | 697.62 | 25 | 920.96 | 46 | POA |
| 8" | 8 5/8 | 2 thru 3 | 13 | 29 | 2754.36 | 44 | 2641.64 | 78 | POA |
| | | 4 thru 5 | 13 | 29 | 2654.04 | 44 | 2750.47 | 78 | POA |
| | | 6 | 13 | 29 | 1620.03 | 44 | 2067.96 | 78 | POA |

Prices shown are API line pipe threaded and beveled ends or any combination thereof. For square and grooved ends, see "Extras." Swage Nipples, threaded both ends, specified black or unplated=list+10%.

Solid Black Plugs

| Threaded | Size | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Round Head | Length | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | List | 25.21 | 25.21 | 25.21 | 31.96 | 37.11 | 50.55 | 111.15 | 119.90 | 126.27 |
| Round Head | Length | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | List | 27.53 | 27.53 | 27.53 | 33.56 | 40.40 | 53.19 | 117.26 | 125.94 | 199.41 |
| Round Head | Length | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | List | 48.28 | 48.28 | 55.49 | 57.77 | 61.74 | 74.42 | 164.00 | 176.35 | 224.99 |

| Threaded | Size | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|-------------------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Hex Head Refinery | Length | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | List | 31.23 | 31.23 | 31.23 | 40.93 | 49.24 | 63.23 | 159.45 | 164.81 | 262.09 |
| Hex Head | Length | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | List | 31.64 | 31.64 | 31.64 | 41.44 | 50.35 | 69.16 | 179.98 | 179.98 | 281.29 |

Solid black plugs conform to A105.

Solid plug electroplated or hot dipped – POA

Socketweld or plain end plugs – POA

Eccentric Swage Nipples

1/4" through 4"

| Pipe | Size, Inches | | Length Inches | Standard | | Extra Heavy | | Double Ex & 160 | |
|--------|--------------|----------------|---------------|-------------|------------|-------------|------------|-----------------|------------|
| | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1/4" | 0.540 | 1/8 | 2 1/4 | | * | | 184.06 | 1/4 | 219.68 |
| 3/8" | 0.675 | 1/8 | 2 1/2 | | * | 1/4 | 184.06 | 3/8 | 219.68 |
| | | 1/4 | 2 1/2 | | * | 1/4 | 161.92 | 3/8 | 193.28 |
| 1/2" | 0.840 | 1/4 & 3/8 | 2 3/4 | | * | 1/3 | 151.52 | 1/2 | 180.90 |
| 3/4" | 1.050 | 1/4 & 3/8 | 3 | | * | 1/2 | 224.58 | 3/4 | 268.03 |
| | | 1/2 | 3 | | * | 1/2 | 172.23 | 3/4 | 205.58 |
| 1" | 1.315 | 1/4 & 3/8 | 3 1/2 | | * | 2/3 | 280.28 | 1 | 334.50 |
| | | 1/2 & 3/4 | 3 1/2 | | * | 2/3 | 223.30 | 1 | 266.50 |
| 1 1/4" | 1.660 | 1/2 & 3/4 | 4 | | * | 1 | 347.39 | 1 1/2 | 742.72 |
| | | 1 | 4 | | * | 1 | 331.14 | 1 1/2 | 592.73 |
| 1 1/2" | 1.900 | 1/2 & 3/4 | 4 1/2 | | * | 1 1/6 | 443.65 | 2 | 773.98 |
| | | 1 | 4 1/2 | | * | 1 1/6 | 387.74 | 2 | 612.58 |
| | | 1 1/4 | 4 1/2 | | * | 1 1/6 | 387.74 | 2 | 556.79 |
| 2" | 2-3/8 | 1/4 & 3/8 | 6 1/2 | | * | 3 | 834.51 | 4 1/4 | 1313.15 |
| | | 1/2 & 3/4 | 6 1/2 | | * | 3 | 796.42 | 4 1/4 | 1234.03 |
| | | 1 | 6 1/2 | 2 | 545.96 | 2 1/3 | 629.80 | 4 1/4 | 1146.94 |
| | | 1 1/4 | 6 1/2 | 2 | 614.90 | 2-1/3 | 668.47 | 4 1/4 | 1146.94 |
| | | 1 1/2 | 6 1/2 | 2 | 464.35 | 2 1/3 | 629.80 | 4 1/4 | 1146.94 |
| 2 1/2" | 2 7/8 | 1 | 7 | 3 | 682.30 | 3 1/2 | 979.28 | 8 | 1429.35 |
| | | 1 1/4 | 7 | 3 | 743.13 | 3 1/2 | 1027.43 | 8 | 1429.35 |
| | | 1 1/2 | 7 | 3 | 714.18 | 3 1/2 | 933.95 | 8 | 1429.35 |
| | | 2 | 7 | 3 | 585.07 | 3 1/2 | 752.20 | 8 | 1301.70 |
| 3" | 3 1/2 | 1/2 & 3/4 | 8 | 4 1/2 | * | 6 | 1611.40 | 11 | 1910.56 |
| | | 1 | 8 | 4 1/2 | 1041.18 | 6 | 1178.56 | 11 | 1781.94 |
| | | 1 1/4 | 8 | 4 1/2 | 1134.35 | 6 | 1236.50 | 11 | 1781.94 |
| | | 1 1/2 | 8 | 4 1/2 | 1089.80 | 6 | 1123.86 | 11 | 1781.94 |
| | | 2 & 2 1/2 | 8 | 4 1/2 | 760.89 | 6 | 866.83 | 11 | 1556.74 |
| 3 1/2" | 4 | All reductions | 8 | 5 1/2 | POA | 7 1/2 | POA | 13 1/2 | POA |
| 4" | 4 1/2 | 1 | 9 | 7 1/2 | 1659.23 | 10 | 1853.52 | 18 | 1765.25 |
| | | 1 1/4 & 1 1/2 | 9 | 7 1/2 | 1590.81 | 10 | 1781.14 | 18 | 2354.43 |
| | | 2 | 9 | 7 1/2 | 1206.47 | 10 | 1435.82 | 18 | 2084.42 |
| | | 2 1/2 | 9 | 7 1/2 | 1258.10 | 10 | 1371.63 | 18 | 2084.42 |
| | | 3 & 3 1/2 | 9 | 7 1/2 | 1107.50 | 10 | 1307.22 | 18 | 2084.42 |

Bull Plugs

| Size Pipe | API or OD | Length Inches | Standard | | Extra Heavy | | Solid | | Dble Ex & 160 | |
|--------------|-----------------|------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1/8" | 0.405 | 2 | - | * | 1/10 | 38.17 | 1/5 | 38.17 | 2/5 | 57.30 |
| 1/4" | 0.540 | 2 | - | * | 1/9 | 35.22 | 1/5 | 35.22 | 2/5 | 52.78 |
| 3/8" | 0.675 | 2-1/4 | - | * | 1/7 | 38.17 | 1/3 | 38.17 | 2/7 | 57.30 |
| 1/2" | 0.840 | 2-1/2 | - | - | 1/3 | 40.09 | 1/2 | 40.09 | 1/2 | 59.98 |
| 3/4" | 1.050 | 2-3/4 | - | - | 1/2 | 41.22 | 4/5 | 41.22 | 3/4 | 61.85 |
| 1" | 1.315 | 3 | - | - | 2/3 | 48.46 | 1-3/8 | 48.46 | 1 | 72.61 |
| 1 1/4" | 1.660 | 3-1/4 | - | - | 1 | 75.82 | 2-1/4 | 75.82 | 1-1/2 | 147.72 |
| 1 1/2" | 1.900 | 3-1/2 | - | - | 1-1/6 | 73.18 | 3 | 73.18 | 2 | 121.20 |
| 2" | 2-3/8 | 4 | 2-1/4 | 95.25 | 2-1/2 | 141.00 | 5 | 141.00 | 3-1/2 | 280.16 |
| 2 1/2" | 2-7/8 | 5 | 3 | 138.36 | 3-1/2 | 180.04 | - | - | 8 | 372.03 |
| 3" | 3-1/2 | 6 | 4-1/2 | 190.95 | 6 | 239.43 | - | - | 11 | 599.50 |
| 3 1/2" | 4 | 6-1/2 | 5-1/2 | POA | 7-1/2 | POA | - | - | 13-1/2 | POA |
| 4" | 4-1/2 | 7 | 7-1/2 | 240.11 | 10 | 336.86 | - | - | 18 | 785.59 |
| 5" | 5- 9/16 | 8-1/2 | 12-1/2 | POA | 17 | POA | - | - | 33 | POA |
| 6" | 6-5/8 | 10 | 17 | 816.61 | 25 | 1207.00 | - | - | 46 | POA |
| 8" | 8-5/8 | 11 | 29 | 1197.14 | 44 | 1291.49 | - | - | 78 | POA |

* These sizes not made in standard weight.

Prices shown are for API line pipe threaded, or beveled end.

For square cut see "Extras."

Tapped Bull Plugs – 2" and smaller add \$14.89 list
2 1/2" thru 4 1/2" O.D. add \$23.74 list
Larger than 4 1/2" O.D. add \$45.38 list.

Hex Bull Plugs - 1 1/4" thru 2" use Double Extra Heavy price.

Seamless Adapter Nipples Schedule 40

Oil Country Discounts Apply to Adapter Nipples

A106 Gr.B

| Size Inches | Weight Pipe | 3" | 4" | 6" | 8" | 10" | 12" |
|----------------|----------------|--------|--------|--------|--------|--------|--------|
| 3/4" | --- | --- | --- | --- | --- | --- | --- |
| 1" | --- | 93.65 | 97.36 | 98.30 | 110.93 | 116.52 | 125.73 |
| 1 1/4" | --- | 97.36 | 97.36 | 106.44 | 114.61 | 123.77 | 130.91 |
| 1 1/2" | --- | 104.51 | 104.51 | 122.07 | 125.73 | 135.37 | 146.01 |
| 2" | 3.65 LB/FT | 48.71 | 48.71 | 57.07 | 65.28 | 72.67 | 79.08 |
| 2 1/2" | 5.79 LB/FT | --- | 55.13 | 70.84 | 82.67 | 90.94 | 107.55 |
| 3" | 7.58/LB/FT | --- | 73.46 | 82.67 | 98.33 | 113.71 | 132.20 |
| 4" | 10.79 LB/FT | --- | 90.03 | 100.12 | 132.26 | 156.19 | 174.64 |
| 5" | 14.62 LB/FT | --- | 230.57 | 256.42 | 281.35 | 303.16 | 331.81 |
| 6" | 18.97 LB/FT | --- | 297.76 | 331.81 | 364.63 | 394.96 | 428.05 |
| 8" | 28.55 LB/FT | --- | --- | 372.04 | 413.45 | 451.98 | 495.13 |
| 10" | 40.48 LB/FT | --- | --- | POA | POA | POA | POA |
| 12" | 49.56 LB/FT | --- | --- | POA | POA | POA | POA |

For intermediate lengths, use next longer price plus 25%; longer than 12" is price on application; for extra heavy, double the above price; for double extra heavy, it's four times the above price. Above prices apply to grooved, threaded or beveled ends, or any combination of these.

Oil Country Fittings

Current API Thread Standards. For threads NOT shown below, add 50% to net price.

| Nominal Size | O.D. Size | Pipe | Tubing & Casing | Nominal Size | O.D. Size | Pipe | Tubing & Casing |
|--------------|-----------|--------|-----------------|--------------|-----------|------|-----------------|
| 3/4 | 1.050 | 14 | --- | --- | 5 | --- | 8 Rd. |
| 3/4 EUE | 1.050 | --- | 10 Rd. | --- | 5-1/2 | --- | 8 Rd. |
| 1 | 1.315 | 11-1/2 | 10 Rd. | 5 | 5-9/16 | 8 V | 8 Rd. |
| 1 EUE | 1.315 | --- | 10 Rd. | --- | 6 | --- | 8 Rd. |
| 1 1/4 | 1.660 | 11-1/2 | 10 Rd. | 6 | 6-5/8 | 8 V | 8 Rd. |
| 1 1/4 EUE | 1.660 | --- | 10 Rd. | --- | 7 | --- | 8 Rd. |
| 1 1/2 | 1.900 | 11-1/2 | 10 Rd. | --- | 7-5/8 | --- | 8 Rd. |
| 1 1/2 EUE | 1.900 | --- | 10 Rd. | 8 | 8-5/8 | 8 V | 8 Rd. |
| 2 | 2-3/8 | 11-1/2 | 10 Rd. | --- | 9-5/8 | --- | 8 Rd. |
| 2 EUE | 2-3/8 | --- | 8 Rd. | 10 | 10-3/4 | 8 V | 8 Rd. |
| 2 1/2 | 2-7/8 | 8 V | 10 Rd. | --- | 11-3/4 | --- | 8 Rd. |
| 2 1/2 EUE | 2-7/8 | --- | 8 Rd. | 12 | 12-3/4 | 8 V | 8 Rd. |
| 3 | 3-1/2 | 8V | 10 Rd. | --- | 13-3/8 | --- | 8 Rd. |
| 3 EUE | 3-1/2 | --- | 8 Rd. | --- | 14 | 8 V | 8 Rd. |
| 3 1/2 | 4 | 8 V | 8 Rd. | --- | 16 | 8 V | 8 Rd. |
| 3 1/2 EUE | 4 | --- | 8 Rd. | --- | 18 | 8 V | 8 Rd. |
| 4 | 4-1/2 | 8V | 8 Rd. | --- | 20 | 8 V | 8 Rd. |
| 4 EUE | 4-1/2 | --- | 8 Rd. | --- | --- | --- | 8 Rd. |

Oil Country Extras

Swage Nipples and Bull Plugs longer or shorter than standard – POA

API long threads and left hand threads – POA

Tapped Bull Plugs – 2 3/8" O.D. and smaller add \$14.89
 2 7/8" O.D. thru 4 1/2" O.D. add \$23.74
 Larger than 4 1/2" O.D. add \$45.38

Casing Nipple Extras

Add 50% to list prices for all casing nipples with other than current API thread specifications, except combination threads or right and left hand threads (see below). For combination casing nipples, add the following for each thread:

| | Comb. Thread | Long Thread |
|-------------------------------------|--------------|-------------|
| Sizes up to & including 6 5/8" O.D. | \$77.27 | \$89.46 |
| 7" O.D. to & including 10 3/4" O.D. | 95.99 | 108.76 |
| Over 10 3/4" O.D. | 138.02 | 142.37 |
| All left hand threads | POA | POA |

Tubing Nipples

Combination Threads

For combination threads upset both ends, or non-upset both ends, add the following prices:

| Size – Inches | Add to Price |
|---------------|--------------|
| 2 3/8" OD | \$22.57 |
| 2 7/8" OD | 22.57 |
| 3 1/2" OD | 30.77 |
| 4 1/2" OD | 46.00 |

Swage Nipples Oil Country Fittings

Large End Upset Reduced to Regular or Upset

| Size, Inches | | | Length Inches | Standard | | Extra Heavy | | Double Extra Heavy | |
|--------------|-------------------|---------------|------------------|----------------|---------------|----------------|---------------|-----------------------|---------------|
| Pipe | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1 | 1.315 | ¾ | 3-1/2 | 2/3 | 434.85 | 2/3 | 492.34 | --- | --- |
| 1 ¼ | 1.660 | ¾-1 | 4 | 1 | POA | 1 | POA | --- | --- |
| 1 ½ | 1.900 | ¾-1-1-1/2 | 4-1/2 | 1-1/4 | 439.20 | 1-1/4 | 539.29 | --- | --- |
| 2 | 2 3/8 | ¼-1/2-3/4 | 8 | 2-1/2 | 697.95 | 4 | 765.28 | 6 | POA |
| | | 1-1-1/4-1-1/2 | 8 | 2-1/2 | 616.56 | 4 | 673.81 | 6 | 1223.99 |
| | | 2-1/16"OD | 8 | 2-1/2 | 616.56 | 4 | 673.81 | 9 | 1223.99 |
| 2 ½ | 2 7/8 | 1-1/4-1-1/2 | 8 | 5 | 766.44 | 6 | 852.29 | 10 | 1529.13 |
| | | 2 | 8 | 5 | 575.91 | 6 | 744.30 | 10 | 1374.93 |
| 3 | 3 1/2 | 1-1-1/4-1-1/2 | 8 | 7-1/2 | 849.11 | 9 | 934.25 | 14 | 1729.45 |
| | | 2-2-1/2 | 8 | 7-1/2 | 754.26 | 9 | 895.63 | 14 | 1627.44 |
| 4 | 4 1/2 | 1-1/4-1-1/2 | 11 | 11 | 1042.71 | 14 | 1146.09 | 23 | 2213.92 |
| | | 2-2-1/2 | 11 | 11 | 1003.13 | 14 | 1090.79 | 23 | 1994.77 |
| | | 3-3-1/2 | 11 | 11 | 949.58 | 14 | 1043.29 | 23 | 1881.13 |

Large End Non-Upset Reduced to Upset

| Size, Inches | | | Length Inches | Standard | | Extra Heavy | | Double Extra Heavy | |
|--------------|-------------------|-----------------|------------------|----------------|---------------|----------------|---------------|-----------------------|---------------|
| Pipe | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1 | 1.315 | ¾ | 3-1/2 | 2/3 | 269.58 | 2/3 | 299.20 | --- | --- |
| 1 ¼ | 1.660 | ¾-1 | 4 | 1 | 343.49 | 1 | 370.65 | --- | --- |
| 1 ½ | 1.900 | ¾-1-1-1/2 | 4-1/2 | 1-1/4 | 400.47 | 1-1/4 | 431.37 | --- | --- |
| 2 | 2 3/8 | ¾ | 6-1/2 | 2-1/2 | 608.14 | 3-1/2 | 664.41 | 5 | 1461.54 |
| | | 1-1-1/4-1-1/2 | 6-1/2 | 2-1/2 | 537.67 | 3-1/2 | 645.30 | 5 | 1063.63 |
| 2 ½ | 2 7/8 | 1-1-1/4-1-1/2 | 6-1/2 | 4 | 665.83 | 6 | 742.81 | 9 | 1362.59 |
| | | 2 | 7 | 4 | 551.67 | 6 | 645.62 | 9 | 1196.33 |
| 3 | 3 1/2 | 1-1-1/4-1-1-1/2 | 7 | 6 | 739.07 | 9 | 811.36 | 12 | 1769.06 |
| | | 2-2-1/2 | 8 | 6 | 656.04 | 7 | 779.24 | 12 | 1416.79 |
| 4 | 4 1/2 | 1-1-1/4-1-1/2 | 8 | 8 | 909.36 | 12 | 998.30 | 20 | 1925.06 |
| | | 2-2-1/2 | 9 | 8 | 869.66 | 12 | 949.53 | 20 | 1735.95 |
| | | 3-3-1/2 | 9 | 8 | 827.01 | 12 | 907.33 | 20 | 1634.15 |
| | 5 1/2 | 2-3 | 11 | 12-1/2 | 1650.13 | 17 | 1854.37 | 33 | 2325.46 |
| | 7 | 2-3 | 9 | 17 | 1989.60 | 25 | 2393.70 | 50 | 3263.86 |

Swage Nipples non-upset on large end are made from J-55, K-55, N-80 or the most appropriate material available. Swage Nipples upset on large end are made from J-55 unless otherwise specified. For N-80 add 25% to list. Prices cover nipples with tubing threads on one end with line pipe, tubing, or casing threads on the other end. Ends may be beveled at no extra charge. For special tubing threads, POA.

Swage Nipples Oil Country Tubing and Casing

Non EUE Ends

| Size, Inches | | | Length Inches | Standard | | Extra Heavy | | XX Heavy | |
|--------------------|----------------|---------------------------|------------------|----------------|---------------|----------------|---------------|----------------|---------------|
| I.D. or Nominal | API or O.D. | Reduced To | | Weight Each | Price Each | Weight Each | Price Each | Weight Each | Price Each |
| 1 | 1.315 | ¼ thru ¾ | 3-1/2 | 2/3 | POA | 2/3 | POA | 1 | POA |
| 1 1/4 | 1.660 | ¼ thru ½ | 4 | 1 | POA | 1 | POA | 1-1/2 | POA |
| | | ¾ and 1 | 4 | 1 | 193.54 | 1 | 207.86 | 1-1/2 | POA |
| 1 1/2 | 1.900 | ¼ thru ¾ | 4-1/2 | 1-1/6 | POA | 1-1/2 | POA | 2 | POA |
| | | 1 and 1-1/4 | 4-1/2 | 1-1/6 | 207.35 | 1 | 228.36 | 2 | POA |
| 2 | 2-3/8 | ¼ thru ¾ | 6-1/2 | 2-1/2 | --- | 3 | POA | 4-1/4 | POA |
| | | 1 thru 2"OD | 6-1/2 | 2 | 177.45 | 2-1/3 | 248.88 | 4-1/4 | POA |
| 2 1/2 | 2-7/8 | ¼ thru ¾ | 7 | 3 | --- | 3-1/2 | POA | 8 | POA |
| | | 1 thru 1-1/2 | 7 | 3 | POA | 3-1/2 | POA | 8 | POA |
| | | 2 and 2-1/16 | 7 | 3 | 199.63 | 3-1/2 | 306.87 | 8 | POA |
| 3 | 3-1/2 | 1 thru 1-1-1/2 | 8 | 4-1/2 | POA | 6 | POA | 11 | POA |
| | | 2 and 2-1/2 | 8 | 4-1/2 | 241.95 | 6 | 355.88 | 11 | POA |
| 4 | 4-1/2 | 1 thru 1-1/2 | 9 | 7 | POA | 10 | POA | 18 | POA |
| | | 2 thru 4O.D. | 9 | 7-1/2 | 355.88 | 10 | 559.90 | 18 | POA |
| | 5 | 1 thru 1-1/2 | 10 | 9-1/2 | POA | 15 | POA | 24 | POA |
| | | 2 thru 4-1/2 O.D. | 10 | 9-1/2 | POA | 15 | POA | 24 | POA |
| | 5-1/2 | 1 THRU 1-1/2 | 11 | 12-1/2 | POA | 17 | POA | 33 | POA |
| | | 2 and 2-1/2 | 11 | 12-1/2 | 1075.47 | 17 | 1396.53 | 33 | POA |
| | | 3 thru 5 O.D. | 11 | 12-1/2 | 719.00 | 17 | 1119.36 | 33 | POA |
| | 6-5/8 | 1 thru 1-1/2 | 12 | 17 | POA | 25 | POA | 46 | POA |
| | | 2 and 2-1/2 | 12 | 17 | 1584.48 | 25 | 1635.31 | 46 | POA |
| | | 3 thru 4O.D. | 12 | 17 | 1069.17 | 25 | 1470.55 | 46 | POA |
| | | 4 thru 6 O.D. | 12 | 17 | 925.18 | 25 | 1308.43 | 46 | POA |
| | 7 | 1 thru 1-1/2 | 12 | 17 | POA | 25 | POA | | |
| | | 2 thru 2-1/2 | 12 | 17 | 1758.21 | 25 | 1841.10 | | |
| | | 3 thru 5 O.D. | 12 | 17 | 1262.64 | 25 | 1681.77 | | |
| | | 5-1/2 O.D. AND 6 O.D. | 12 | 17 | 983.56 | 25 | 1575.43 | | |
| | 7-5/8 | 2 thru 3 | 13 | 24 | POA | 32 | POA | | |
| | | 4 O.D. thru 6 O.D. | 13 | 24 | POA | 32 | POA | | |
| | | 6-5/8 O.D. thru 7 O.D. | 13 | 24 | POA | 32 | POA | | |
| | 8-5/8 | 2 thru 3 | 13 | 29 | 3595.44 | 44 | 3585.82 | | |
| | | 4 thru 6 O.D. | 13 | 29 | 3147.15 | 44 | 3273.94 | | |
| | | 6-5/8 O.D. AND 7-5/8 O.D. | 13 | 29 | 1840.74 | 44 | 2452.29 | | |

All Swage Nipples on this page are made from J-55, K-55, N-8380 or the most appropriate material available. Nipples specified N-80 POA. Prices cover Swage Nipples with tubing threads (10 Rd.) or casing threads (8 Rd.) on one end with any current API line pipe, tubing, or casing thread or beveled on the other end. Special tubing threads – Acme 8 Thd., Armco Seal Lock and Buttress Thd – POA.

Bull Plugs Oil Country Tubing

| Size, Inches | | Length Inches | Standard | | Extra Heavy | | XX Heavy | |
|--------------------|-------------------|------------------|----------------|---------------|----------------|---------------|----------------|---------------|
| I.D. or Nominal | API or O.D. | | Weight Lbs. | Price Each | Weight Lbs. | Price Each | Weight Lbs. | Price Each |
| 3/4 EUE | | 3 | ½ | POA | 2/3 | POA | --- | --- |
| 1 | 1.315 | 3 | ½ | POA | 2/3 | POA | --- | --- |
| 1 EUE | | 3 | 2/3 | POA | 1 | POA | --- | --- |
| 1 1/4 | 1.660 | 3-1/4 | 2/3 | POA | 1 | POA | --- | --- |
| 1 1/4 EUE | | 3-1/4 | 1 | POA | 1-1/16 | POA | --- | --- |
| 1 1/2 | 1.900 | 3-1/2 | 1 | POA | 1-1/16 | POA | --- | --- |
| 1 1/2 EUE | | 3-1/2 | 2 | POA | 2-1/4 | POA | --- | --- |
| 2 | 2-3/8 | 4 | 2 | 136.04 | 3 | 174.86 | 4-1/4 | 399.37 |
| 2 EUE | | 5 | 3-1/2 | 230.18 | 4 | 315.35 | 9 | 534.12 |
| 2 1/2 | 2-7/8 | 5 | 3 | 142.15 | 3-1/2 | 223.16 | 8 | 431.99 |
| 2 1/2 EUE | | 5-1/2 | 4-1/4 | 317.82 | 6 | 406.85 | 14 | 831.27 |
| 3 | 3-1/2 | 6 | 4-1/2 | 200.78 | 5 | 297.01 | 11 | 800.59 |
| 3 EUE | | 6-1/2 | 10 | 351.67 | 15 | 530.73 | 25 | 1301.81 |
| | | | | | | | | |

Female Bull plugs – use Double Extra Heavy List

Casing

| API or O.D. | Length Inches | Standard | | Extra Heavy | | XX Heavy | |
|-------------|------------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | | Weight Lbs. | Price Each | Weight Lbs. | Price Each | Weight Lbs. | Price Each |
| 4 1/2 | 7 | 7-1/2 | 279.20 | 10 | 496.89 | 18 | POA |
| 5 | 8 | 9-1/2 | 348.09 | 15 | 619.37 | 24 | POA |
| 5 1/2 | 8-1/2 | 12-1/2 | 558.04 | 17 | 976.95 | 33 | POA |
| 6 5/8 | 10 | 17 | 746.86 | 25 | 1303.56 | 46 | POA |
| 7 | 10 | 17 | 841.55 | 25 | 2100.37 | 50 | POA |
| 7 5/8 | 11 | 24 | 1399.99 | 32 | 2506.11 | 53 | --- |
| 8 5/8 | 11 | 29 | 1399.99 | 44 | 2506.11 | 78 | --- |

Standard Bull Plugs listed above are made from J-55 (or better). Such items in XH and XXH are made from J-55, K-55, N-80 or the most appropriate material available. If specified N-80 – POA.

Prices cover Bull Plugs with tubing threads (10 Rd. & Rd.) Special tubing threads Acme 8 thread, Armco Seal Lock and Buttress – POA. Casing threads (8 Rd.) also includes casing and tubing sizes with beveled ends.

Tubing Nipples – Standard

18" And Shorter – Upset and Non-Upset

Discounts Applicable:

Grade J-55 – Following Prices NET; Grade N-80 – Following prices PLUS 22%

| Nominal Pipe Size | End Connection | Length – Price | | | | | | | |
|-------------------|-------------------------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | 4" Price Each | 6" Price Each | 8" Price Each | 10" Price Each | 12" Price Each | 14" Price Each | 16" Price Each | 18" Price Each |
| 1" | Upset A.P.I. Thds. One or Both Ends | 259.80 | 317.19 | 396.50 | 551.55 | --- | --- | --- | --- |
| 1" | Non-Upset (Regular) | 159.75 | 159.68 | 180.66 | 210.21 | 228.83 | 271.36 | 292.70 | 302.80 |
| 1 1/4" | Upset A.P.I. Thds. One or Both Ends | 251.76 | 347.62 | 439.77 | 598.26 | 792.62 | --- | --- | --- |
| 1 1/4" | Non-Upset (Regular) | 159.75 | 159.68 | 180.66 | 210.21 | 269.41 | 271.36 | 292.70 | 302.80 |
| 1 1/2" | Upset A.P.I. Thds. One or Both Ends | 290.41 | 377.13 | 474.41 | 663.51 | 856.44 | --- | --- | --- |
| 1 1/2" | Non-Upset (Regular) | 159.75 | 159.68 | 180.66 | 210.21 | 230.29 | 271.36 | 292.70 | 302.80 |
| 2" | Upset A.P.I. Thds. One or Both Ends | 275.50 | 219.22 | 291.23 | 316.27 | 381.36 | 399.79 | 419.87 | 442.88 |
| 2" | Non-Upset (Regular) | 205.71 | 187.96 | 212.67 | 247.67 | 269.73 | 319.53 | 344.60 | 356.42 |
| 2 1/2" | Upset A.P.I. Thds. One or Both Ends | 360.23 | 335.01 | 385.18 | 409.29 | 488.71 | 509.66 | 540.13 | 563.44 |
| 2 1/2" | Non-Upset (Regular) | 217.09 | 223.31 | 253.12 | 281.50 | 312.52 | 339.97 | 370.48 | 408.16 |
| 3" | Upset A.P.I. Thds. One or Both Ends | --- | 526.44 | 560.63 | 598.00 | 720.00 | 761.82 | 802.54 | 846.43 |
| 3" | Non-Upset (Regular) | --- | 291.85 | 347.30 | 396.72 | 441.58 | 506.20 | 569.68 | 593.30 |
| 4" | Upset A.P.I. Thds. One or Both Ends | --- | --- | 949.09 | 1006.68 | 1212.61 | 1283.70 | 1355.00 | 1417.65 |
| 4" | Non-Upset (Regular) | --- | --- | --- | --- | --- | --- | --- | --- |

Tubing Nipples – Extra Heavy

18" or Shorter – Upset and Non-Upset

Discounts Applicable:

Grade J-55 – Following Prices NET; Grade N-80 – Following prices PLUS 22%

| Nominal Pipe Size | End Connection | Length – Price | | | | | | | |
|-------------------|-------------------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|
| | | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" |
| | | Price Each | Price Each | Price Each | Price Each | Price Each | Price Each | Price Each | Price Each |
| 1" | Upset A.P.I. Thds. One or Both Ends | 519.60 | 634.37 | 792.98 | 1103.10 | --- | --- | --- | --- |
| 1" | Non-Upset (Regular) | 319.51 | 319.37 | 361.34 | 420.43 | POA | POA | POA | POA |
| 1 1/4" | Upset A.P.I. Thds. One or Both Ends | 503.53 | 695.23 | 879.52 | 1196.51 | 1585.26 | --- | --- | --- |
| 1 1/4" | Non-Upset (Regular) | POA | POA | POA | POA | POA | POA | POA | POA |
| 1 1/2" | Upset A.P.I. Thds. One or Both Ends | 580.82 | 754.26 | 948.80 | 1327.03 | 1712.89 | --- | --- | --- |
| 1 1/2" | Non-Upset (Regular) | POA | POA | POA | POA | POA | POA | POA | POA |
| 2" | Upset A.P.I. Thds. One or Both Ends | 550.98 | 438.44 | 582.45 | 632.55 | 762.72 | 799.60 | 839.75 | 885.74 |
| 2" | Non-Upset (Regular) | 411.40 | 375.92 | 425.33 | 495.33 | 539.46 | 639.15 | 689.20 | 712.84 |
| 2 1/2" | Upset A.P.I. Thds. One or Both Ends | 720.48 | 670.01 | 770.35 | 818.59 | 977.42 | 1019.35 | 1080.26 | 1126.86 |
| 2 1/2" | Non-Upset (Regular) | 434.18 | 446.61 | 506.25 | 562.99 | 625.05 | 679.95 | 740.98 | 816.33 |
| 3" | Upset A.P.I. Thds. One or Both Ends | --- | 1052.88 | 1121.10 | 1196.01 | 1440.02 | 1523.63 | 1605.10 | 1692.86 |
| 3" | Non-Upset (Regular) | --- | 583.70 | 694.58 | 793.43 | 883.16 | 1012.38 | 1139.36 | 1186.60 |
| 4" | Upset A.P.I. Thds. One or Both Ends | --- | --- | 1898.19 | 2013.36 | 2425.24 | 2567.41 | 2710.00 | 2835.30 |
| 4" | Non-Upset (Regular) | --- | --- | --- | --- | --- | --- | --- | --- |

For intermediate lengths, use next longer price, plus 25%. Add 50% to above price for all threaded tubing nipples with other than current A.P.I. specifications. For Double Extra Heavy Tubing Nipples, double the Extra Heavy prices.

Casing Nipples

Threaded, Beveled, or Plain

Grade J-55 – Following prices NET

Grade N-80 – Following prices plus 25%

Grade P-110 – POA

| Size O.D. | Weight Per Foot | Steel Grade | Length-Price-Weight | | | | | | Add for Each 2" Addition |
|--------------|--------------------|----------------|---------------------|---------|---------|---------|---------|---------|--------------------------------|
| | | | 8" | 10" | 12" | 18" | 24" | 36" | |
| 4 1/2 | 10.50 | K | 423.87 | 458.73 | 495.42 | 523.82 | 615.61 | 797.64 | 39.59 |
| | 11.80 | K-N-P | 451.79 | 486.57 | 522.72 | 542.11 | 639.59 | 821.66 | 45.37 |
| 5 | 11.50 | K | POA | POA | POA | POA | POA | POA | POA |
| | 13.00 | K | POA | POA | POA | POA | POA | POA | POA |
| | 15.00 | K-N-P | POA | POA | POA | POA | POA | POA | POA |
| | 18.00 | N-P | POA | POA | POA | POA | POA | POA | POA |
| 5 1/2 | 14.00 | K | 490.02 | 529.06 | 579.52 | 732.52 | 871.12 | 1164.79 | 52.46 |
| | 15.50 | K | 496.86 | 554.03 | 604.24 | 767.59 | 915.74 | 1233.17 | 48.77 |
| | 17.00 | K-N-P | 530.54 | 586.82 | 649.17 | 820.75 | 1000.38 | 1358.39 | 55.05 |
| | 20.00 | N-P | 509.19 | 578.31 | 638.09 | 834.31 | 1019.96 | 1391.04 | 64.85 |
| 6 5/8 | 20.00 | K | 631.40 | 978.83 | 771.80 | 981.23 | 1190.86 | 1611.13 | 64.85 |
| | 24.00 | K-N-P | 688.77 | 771.80 | 896.75 | 1106.14 | 1358.56 | 1865.75 | 78.63 |
| | 28.00 | N-P | 741.60 | 840.99 | 941.68 | 1233.17 | 1526.71 | 2113.52 | 89.94 |
| 7 | 20.00 | K | 741.60 | 840.99 | 941.68 | 1233.17 | 1526.71 | 2113.52 | 89.94 |
| | 23.00 | K-N | 641.79 | 714.64 | 790.74 | 1000.38 | 1208.36 | 1631.17 | 64.85 |
| | 26.00 | K-N-P | 688.77 | 767.59 | 849.29 | 1092.81 | 1332.42 | 1818.16 | 76.17 |
| | 29.00 | N-P | 732.52 | 914.55 | 914.58 | 1185.43 | 1449.35 | 2008.79 | 84.80 |
| 7 5/8 | 26.40 | K-N | 773.14 | 876.37 | 981.23 | 1277.73 | 1585.53 | 2190.95 | 93.81 |
| | 29.70 | N-P | 771.80 | 862.88 | 956.76 | 1233.17 | 1509.20 | 2064.37 | 88.75 |
| 8 5/8 | 24.00 | K | 813.78 | 921.45 | 1024.89 | 1332.42 | 1642.44 | 2272.62 | 97.46 |
| | 32.00 | K | 790.74 | 872.11 | 993.48 | 1207.00 | 1457.59 | 1963.85 | 78.63 |
| | 36.00 | K-N | 909.28 | 1015.17 | 1125.58 | 1457.59 | 1794.96 | 2464.53 | 102.75 |
| | 44.00 | N-P | 956.94 | 1080.81 | 1204.34 | 1585.53 | 1963.85 | 2717.42 | 114.46 |
| 9 5/8 | 49.00 | N-P | 1125.58 | 1288.85 | 1443.93 | 1885.86 | 2339.31 | 3246.70 | 124.96 |
| | 36.00 | K | 1222.26 | 1391.04 | 1545.62 | 1989.50 | 2359.79 | 3345.88 | 127.48 |
| | 40.00 | K-N | POA | POA | POA | POA | POA | POA | POA |
| | 43.50 | N-P | POA | POA | POA | POA | POA | POA | POA |
| | 47.00 | N-P | POA | POA | POA | POA | POA | POA | POA |
| 10 3/4 | 40.50 | K | POA | POA | POA | POA | POA | POA | POA |
| | 45.50 | K | POA | POA | POA | POA | POA | POA | POA |
| | 55.50 | N-P | POA | POA | POA | POA | POA | POA | POA |
| 11 3/4 | 60.00 | K | POA | POA | POA | POA | POA | POA | POA |
| 13 3/8 | 54.50 | K | POA | POA | POA | POA | POA | POA | POA |
| | 61.00 | K | POA | POA | POA | POA | POA | POA | POA |
| | 68.00 | K | POA | POA | POA | POA | POA | POA | POA |
| | 72.00 | POA | POA | POA | POA | POA | POA | POA | POA |
| 16 | 75.00 | POA | POA | POA | POA | POA | POA | POA | POA |
| | 84.00 | POA | POA | POA | POA | POA | POA | POA | POA |

For immediate lengths use the next shorter length plus price from the last column for each 2" fraction thereof. When ordering specify size, weight, length, and threads per inch. Weights and lengths not shown are POA.

Sub Tubing Couplings J-55

| Size | Weight Each | Price Each |
|-----------------------|-------------|------------|
| 2 EUE X 2 REG | 5 | 347.71 |
| 2 1/2 REG X 2 REG | 5 | 539.61 |
| 2-1/2 REG X 2 EUE | 5 | 539.61 |
| 2-1/2 EUE X 2 REG | 8 | 613.08 |
| 2-1/2 EUE X 2 EUE | 8 | 613.08 |
| 2-1/2 EUE X 2-1/2 REG | 7 | 613.08 |
| 3 REG X 2 REG | 11 | 1000.97 |
| 3 REG X 2 EUE | 11 | 1000.97 |
| 3 REG X 2-1/2 REG | 10 | 866.64 |
| 3 REG X 2-1/2 EUE | 10 | 866.64 |
| 3 EUE X 2 REG | 15 | 976.91 |
| 3 EUE X 2 EUE | 14 | 976.91 |
| 3 EUE X 2-1/2 REG | 16 | 900.72 |
| 3 EUE X 2-1/2 EUE | 15 | 900.72 |
| 3 EUE X 3 REG | 13 | 881.68 |
| 4 REG X 3 REG | 10 | 1604.87 |
| 4 REG X 3 EUE | 12 | 1604.87 |
| 4 EUE X 3 REG | 11 | 1815.23 |
| 4 EUE X 3 EUE | 11 | 1815.23 |
| 4 EUE X 4 REG | 10 | 1815.23 |

For sizes smaller than 2" X 2" shown above, price \$347.74 add 100%.

Add 50% to prices for all threaded items with other than current API thread specifications. Special thread indicates Acme 8 Thread, Armco Seal Lock or Buttress.

Right and Left Hand Threads, Acme 8, Armco Seal Lock or Buttress threads – POA.

Combination Couplings J-55

| Size, Inches | O.D., Inches | Price Each | | |
|--------------|--------------|--|------------------|--|
| | | Round Thread x Sharp Thread or Combination Thread | | Comb Special Thread x Regular Thread |
| | | Reg. Both Ends | EUE Both Ends | |
| 2 | 2-3/8 | 307.98 | 330.34 | POA |
| 2 1/2 | 2-7/8 | 512.57 | 582.60 | POA |
| 3 | 3-1/2 | 866.59 | 881.68 | POA |
| 4 | 4-1/2 | 1648.42 | 1835.87 | POA |

For sizes smaller than 2", price is \$255.78

For N-80 add 100%.

V-Threads are not recommended for lifting.

Stainless and Alloy Steel Swage Nipples S/40 A403

WP304 & WP316

| Size | Length | WP304 | WP316 |
|---------------|--------|--------|--------|
| 1/4 X 1/8 | 2-1/4 | 17.96 | 21.67 |
| 3/8 X 1/4 | 2-1/2 | 17.96 | 21.67 |
| 1/2 X 1/8 | 2-3/4 | 17.96 | 21.67 |
| 1/2 X 1/4 | 2-3/4 | 16.49 | 20.08 |
| 1/2 X 3/8 | 2-3/4 | 17.96 | 21.67 |
| 3/4 X 1/8 | 3 | 21.46 | 25.14 |
| 3/4 X 1/4 | 3 | 19.86 | 23.30 |
| 3/4 X 3/8 | 3 | 21.46 | 25.14 |
| 3/4 X 1/2 | 3 | 19.86 | 23.30 |
| 1 X 1/8 | 3-1/2 | 27.26 | 29.93 |
| 1 X 1/4 | 3-1/2 | 27.26 | 29.93 |
| 1 X 3/8 | 3-1/2 | 27.26 | 29.93 |
| 1 X 1/2 | 3-1/2 | 25.25 | 27.71 |
| 1 X 3/4 | 3-1/2 | 25.25 | 27.71 |
| 1 1/4 X 1/2 | 4 | 54.58 | 65.33 |
| 1 1/4 X 3/4 | 4 | 54.58 | 65.33 |
| 1 1/4 X 1 | 4 | 49.58 | 58.83 |
| 1 1/2 X 1/2 | 4-1/2 | 54.58 | 65.33 |
| 1 1/2 X 3/4 | 4-1/2 | 54.58 | 65.33 |
| 1 1/2 X 1 | 4-1/2 | 53.24 | 62.63 |
| 1 1/2 X 1 1/4 | 4-1/2 | 53.24 | 62.63 |
| 2 X 1/2 | 6-1/2 | 131.70 | 166.95 |
| 2 X 3/4 | 6-1/2 | 131.70 | 166.95 |
| 2 X 1 | 6-1/2 | 124.98 | 155.49 |
| 2 X 1-1/4 | 6-1/2 | 124.98 | 155.49 |
| 2 X 1-1/2 | 6-1/2 | 124.98 | 155.49 |
| 2-1/2 X 1 | 7 | 240.42 | 291.48 |
| 2-1/2 X 1-1/4 | 7 | 240.42 | 291.48 |
| 2-1/2 X 1-1/2 | 7 | 223.05 | 271.49 |
| 3 X 1 | 8 | 323.94 | 379.07 |
| 3 X 1-1/4 | 8 | 313.95 | 403.94 |
| 3 X 1-1/2 | 8 | 302.53 | 378.37 |
| 3 X 2 | 8 | 302.53 | 378.37 |
| 3 X 2-1/2 | 8 | 302.53 | 378.37 |
| 4 X 1 | 9 | 706.94 | 901.41 |
| 4 X 1-1/4 | 9 | 606.77 | 848.77 |
| 4 X 1-1/2 | 9 | 606.77 | 848.77 |
| 4 X 2 | 9 | 567.58 | 648.43 |
| 4 X 2-1/2 | 9 | 567.58 | 648.43 |
| 4 X 3 | 9 | 567.58 | 648.43 |
| 4 X 3-1/2 | 9 | 567.58 | 648.43 |

Warranty

ALL CAPITOL PRODUCTS ARE WARRANTED TO BE FREE FROM MANUFACTURING DEFECTS AND ANY FOUND TO BE DEFECTIVE WILL BE REPLACED WITHOUT CHARGE PROVIDED (1) THE PRODUCT WAS USED AS RECOMMENDED AND IN ACCORDANCE WITH APPROVED INSTALLATION AND OPERATING PRACTICES; (2) THAT ITS FAILURE RESULTED FROM A MANUFACTURING DEFECT AND NOT FROM DAMAGE DUE TO CORROSIVE, ABRASIVE, OR OTHER WEAR NORMALLY EXPECTED IN THE SERVICES INVOLVED. NO LABOR COST OR OTHER EXPENSE WILL BE ASSUMED.



The Phoenix Forge Group

Terms and Conditions

Freight Terms: All shipments are F.O.B. plants in Pennsylvania and Louisiana. Our responsibility ceases after we make delivery to the carrier. Claims for damages, loss, or delay in transit should be made to the carrier. Full freight at the lowest published rate will be allowed on a single order to a single location in the Continental United States.

Freight Allowance: Shipments F.O.B. Factory. Full freight allowed on shipments Of \$2,500.00 net or more of combined product within the USA (Alaska and Hawaii excepted).

ALL SHIPMENTS SUBJECT TO PRICE IN EFFECT AT TIME OF SHIPMENT.

UPS Shipments \$7.00 Handling charge.

Terms: 2% 10 days, net 30 days. Minimum Invoice Value: \$100.00 .

Restocking & Handling Charge: See Returned Parts Policy.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Phoenix

"Phoenix" as used throughout these terms and conditions means Phoenix Forging Company, Inc., and Capitol Manufacturing Company LLC. CAMCO® is a registered trademark of The Phoenix Forge Group.

Phoenix Terms & Conditions of Sale as outlined on acknowledgements and bid proposals govern all material transactions.

Returned Parts

Phoenix reserves the right to decline the return of material. We must issue a written return goods authorization and instructions (RGA) prior to the return of any material. A handling and restocking charge of 25% will be applicable to any authorized returned material. Authorization for the return of material more than 60 days old must be reviewed on an individual basis. Terms and conditions for the return of authorized material will be issued at the time of approval.

Nonconforming Parts

Phoenix reserves the right to replace, repair, or authorize the return of any material not in accordance with agreed upon and published manufacturing practices. Phoenix will only be responsible to the value of the nonconforming material.

Entire Agreement

This Contract contains the entire agreement between the parties and supersedes all prior agreements and representations, written and oral. Phoenix's acceptance of, or acquiescence in, a course of performance by Buyer shall not be relevant or admissible to determine the meaning of this Contract, even if Phoenix had knowledge of the nature of the performance and an opportunity to make objection. No changes, additions, or deletions shall incorporate the Terms and Conditions listed herein. Phoenix shall not be bound by any additional provisions or provisions at variance herewith that may appear in Buyer's purchase order(s) or acknowledgement(s) unless such provision is expressly agreed to in writing by Phoenix.

Limited Warranty

Phoenix warrants materials sold to be free from defects in workmanship for a period of one (1) year from the date of sale. Phoenix will, at its option, repair or replace any defective materials if reported in writing to Phoenix so that such writing is received within one (1) year after the date of sale. Such limited warranty shall be Phoenix's only obligation with respect to the materials sold hereunder. Phoenix specifically disclaims and buyer specifically waives any other express implied warranties, including any warranty of merchantability, warranty of fitness for a particular purpose, or warranties against latent defects or redhibitory vices. Buyer agrees that Phoenix is not liable for any claims, demands, or other liabilities whatsoever arising out of this Contract, including claims related to the sale, resale, timeliness of delivery, the delivery itself, or the assembly of materials, whether any of the foregoing are based in contract, tort, (including negligence or strict liability) or otherwise, and Buyer agrees to defend and hold Phoenix harmless from any such claims, demands, or liabilities. Buyer specifically waives any remedy or right of revocation of acceptance, rescission, or redhibition. Buyer specifically waives any right to recover any special, indirect, incidental, or consequential damages, lost profits, or damages from loss of use in connection with this sale. The foregoing waivers and disclaimers shall be considered a material and integral part of any sale between the parties.

Freight, Sales Taxes

Unless specifically set forth herein, the price for the goods does not include freight or delivery, neither does it include any sales taxes.

Buyer agrees to remain responsible for any sales taxes which are not collected by Phoenix at the time of sale.

Payment

If Phoenix extends credit to Buyer, payment shall be due thirty days after the invoice date. Buyer agrees that all past due sums shall accrue interest at eighteen percent per annum. Should Phoenix institute legal action to collect any sums due to Phoenix, Buyer agrees to pay all costs of collection including attorney's fees of at least ten percent of the amount due.

Severability

Should any provision of the Contract be enforceable or ruled invalid under the law, the remainder of this Contract shall nonetheless remain valid.