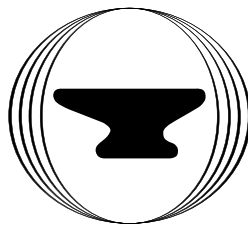


To obtain current ISO Certifications,
Listings and other Approvals visit Anvil's
website at www.anvilintl.com



ANVIL[®]
INTERNATIONAL, INC.



LIST PRICE SHEET

JBS 6.06

EFFECTIVE: JUNE 26, 2006

(Cancels JBS—4.06 of April 10, 2006)

SUBJECT TO CHANGE WITHOUT NOTICE

**GO TO WEB SITE FOR MOST CURRENT LIST PRICE
INFORMATION/CHANGES OR CONTACT AN ANVIL
REPRESENTATIVE**

Including Weights and Packaging

APPLIES TO:

**Swage Nipples, Bull Plugs, Oil Country Fittings,
Couplings, Stainless Swages**

www.anvilintl.com

F.O.B. TERMS:

All prices are F.O.B. point of shipment. Title of goods shall pass to the buyer upon delivery of the shipment to the carrier.

LOSS OR DAMAGE CLAIMS:

All goods are shipped at buyer's risk. Shipments should be carefully examined upon delivery and before the carrier's delivery receipt is signed. If any loss or damage is evident, the buyer should make an appropriate notation on the delivery receipt and insist that the carrier's driver initial such exception. The contents of all packages should be carefully examined for concealed damage as soon as possible after delivery, so that the carrier can be requested, within 48 hours after delivery, to arrange for prompt inspection of the damaged goods.

FREIGHT TERMS:

Shipments weighing 500 pounds or more will be forwarded prepaid to any point in the United States (except Alaska and Hawaii).

Shipments weighing less than 500 pounds will be shipped prepaid. The buyer will be invoiced for freight costs at the applicable published class, exception or commodity rate(s), or charge(s).

Anvil reserves the right to select the carrier for all shipments.

NOTE:

Prices apply **only to Standard Sizes** as listed in catalogs.

Non-standard sizes produced to order only – prices on application. Sale is final not subject to cancellation, except upon agreement to make payment for work performed.

NOTE:

On orders received for cartoned items in less than "carton (not container) quantities," we reserve the right to adjust to the next carton quantity above the number of pieces shown on the order.

NOTE:

All orders are accepted on the basis or prices in effect at the time of shipment.

NOTE:

To the prices and terms quoted, there will be added any Manufacturers or Sales Tax payable on the transaction under any effective statute.

UPC numbers and SPIN commodity identification numbers are available upon request.

Please contact your local ANVIL representative.



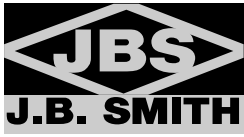
ANVIL
INTERNATIONAL, INC.

TERMS AND CONDITIONS

1. **CONTROLLING PROVISIONS:**
These terms and conditions shall control with respect to any purchase order or sale of Seller's products. No waiver, alteration or modification of these terms and conditions whether on Buyer's purchase order or otherwise shall be valid unless the waiver, alteration or modification is specifically accepted in writing and signed by an authorized representative of Seller.
 2. **DELIVERY:** Seller will make every effort to complete delivery of products as indicated on Seller's acceptance of an order, but Seller assumes no responsibility or liability, and will accept no backcharge, for loss or damage due to delay or inability to deliver caused by acts of God, war, labor difficulties, accident, delays of carriers, by contractors or suppliers, inability to obtain materials, shortages of fuel and energy, or any other causes of any kind whatever beyond the control of Seller. Seller may terminate any contract of sale of its products without liability of any nature, by written notice to Buyer, in the event that the delay in delivery or performance resulting from any of the aforesaid causes shall continue for a period of sixty (60) days. Under no circumstances shall Seller be liable for any special or consequential damages or for loss, damage, or expense (whether or not based on negligence) directly or indirectly arising from delays or failure to give notice of delay.
 3. **WARRANTY:** Seller warrants for one year from the date of shipment Seller's manufactured products to the extent that Seller will replace those having defects in material or workmanship when used for the purpose and in the manner which Seller recommends. If Seller's examination shall disclose to its satisfaction that the products are defective, and an adjustment is required, the amount of such adjustment shall not exceed the net sales price of the defective products only and no allowance will be made for labor or expense of repairing or replacing defective products or workmanship or damage resulting from the same. Seller warrants the products which it sells of other manufacturers to the extent of the warranties of their respective makers. Where engineering design or fabrication work is supplied. Buyer's acceptance of Seller's design or of delivery of work shall relieve Seller of all further obligation, other than expressed in Seller's product warranty. **THIS IS SELLER'S SOLE WARRANTY. SELLER MAKES NO**
- OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED SELLER'S AFORESTATED OBLIGATION ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS WARRANTY.** Seller neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of its engineering designs or products. This warranty shall not apply to any products or parts of products which (a) have been repaired or altered outside of Seller's factory, in any manner; (b) have been subjected to misuse, negligence or accidents; (c) have been used in a manner contrary to Seller's instructions or recommendations. Seller shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives.
4. **SELLER'S LIABILITY:** Seller will not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether based upon warranty (except for the obligation accepted by Seller under "Warranty" above), contract or negligence, arising in connection with the design, manufacture, sale, use or repair of the products or of the engineering designs supplied to Buyer.
 5. **RETURNS:** Seller cannot accept return of any products unless its written permission has been first obtained, in which case same will be credited subject to the following: (a) All material returned must, on its arrival at Seller's plant, be found to be in first-class condition; if not, cost of putting in saleable condition will be deducted from credit memoranda; (b) A handling charge deduction of twenty percent (20%) will be made from all credit memoranda issued for material returned; (c) Transportation charges, if not prepaid will be deducted from credit memoranda.
 6. **SHIPMENTS:** All products sent out will be carefully examined, counted and packed. The cost of any special packing or special handling caused by Buyer's requirements or requests shall be added to the amount of the order. No claim for shortages will be allowed unless made in writing within ten (10) days of receipt of a shipment.
Claims for products damaged or lost in transit should be made on the carrier, as Seller's responsibility ceases, and title passes, on delivery to the carrier.
 7. **SPECIAL PRODUCTS:** Orders covering special or non-standard products are not subject to cancellation except on such terms as Seller may specify on application.
 8. **PRICES AND DESIGNS:** Prices and designs are subject to change without notice. All prices are F.O.B. Point of Shipment, unless otherwise stated.
 9. **TAXES:** The amount of any sales, excise or other taxes, if any, applicable to the products covered by this order, shall be added to the purchase price and shall be paid by Buyer unless Buyer provides Seller with an exemption certificate acceptable to the taxing authorities.
 10. **NUCLEAR PLANTS:** Where the products, engineering design or fabrication is for nuclear plant applications. Buyer agrees (a) to take all necessary steps to add Seller as an insured under the American Nuclear Insurers' (ANI) pool and under the Mutual Atomic Energy Reinsurance Pool (MAERP) for property damage and liability insurance and if necessary steps could have been taken, but are not taken, Buyer shall hold Seller harmless against all such losses which could have been thus covered (b) Buyer agrees to hold Seller harmless with respect to any personal injury (for death), property damage or other loss in a nuclear incident which is caused directly or indirectly by defective design, material, or workmanship furnished by Seller and which is covered by insurance maintained by Buyer (or which could be so covered but with respect to which Buyer has elected to self-insure), and further agrees to waive subrogation by its carriers of such insurance against Seller, and (c) as to nuclear hazards for which Buyer cannot obtain insurance coverage, the liability of Seller for any personal injury (or death), property damage or other loss directly caused by defective design, material, or workmanship furnished by Seller shall not exceed the value of the material furnished by Seller at the time of the loss occurrence.
 11. **MINIMUM INVOICE:** \$50.00 plus transportation.
 12. **TERMS:** Cash, net 30 days unless otherwise specified.

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ANVIL
INTERNATIONAL, INC.

SWAGE NIPPLES, BULL PLUGS, OIL COUNTRY FITTINGS, COUPLINGS, STAINLESS SWAGES.

MANUFACTURING SPECIFICATION

J.B. Smith Mfg., manufactures swage nipples and bull plugs in accordance with A234 and MSS-SP-95, from A-106 Grade B seamless pipe and A-1000 series, low to medium carbon, fine grain, cold drawn bar stock, and heat treated to these specifications. The chemical and physical properties of the raw material fall within the ranges listed below.

TRACEABILITY

All raw material purchased by J.B. Smith Mfg., is fully traceable to the mill source. A three digit letter code appears on all Smith products made since the institution of this program. As a result, mill test reports are now available at any time on products so coded. See **EXTRAS** for MTR charges.

PRESSURE RATINGS

Due to the wide variation in service conditions, temperature, vibrations, etc., J.B. Smith Mfg. can make no recommendations as to allowable working pressure of swage nipples and bull plugs. There are a number of working pressure formulas from which the end user may choose to determine the required wall thickness of the piping system. It is our responsibility only to furnish a fitting with end dimensions equal to those of the pipe size and schedule ordered.

MATERIAL CERTIFICATION – CARBON STEEL

J.B. Smith Mfg., certifies that the material used to manufacture line pipe sizes of swage nipples and bull plugs has been processed and heat treated to comply with all requirements of ASTM A234-90a and the chemical and physical properties of the raw material fall within the ranges listed below.

ASTM SPEC.	MARKING SYMBOL	COMPOSITION					MINIMUM		MAX.
		C	Mn	P	Su	Si	Tensile	Yield	HBn
A234	WPB s9 ^A	.30 MAX	0.29-1.06	.050 MAX	.058 MAX	.10 MIN	60,000 PSI	35,000 PSI	197

MARKING

All J.B. Smith Mfg., fittings are permanently marked as follows:

Manufacturer's Symbol -



Material Specification - WPB S9 (Line Pipe Sizes)
J-55, N80, 4140, etc. (Oil Country Sizes)

Raw Material Code - Each part is die stamped with a three letter code identifying the raw material type, details of purchase and steel mill test report.

Heat Treatment - When marked WPB S9, an acceptable heat treatment is understood to have been performed.
All oil country sizes formed from pipe have been normalized but are unmarked to avoid confusion with the symbol N-80.
Fittings cold or hot formed from pipe bear an additional two letter code indicating the hour and day the part received final heat treatment.

Label information - Size and Wall Thickness.

THREADING

Line pipe, tubing and casing are in conformance with API 5B.

COATINGS

Zinc Electroplate – ASTM, A164
Type RS
Paint (Beveled Ends)

WELD BEVELS

Weld Bevels are machined as per
ANSI- B-16.9

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	12	6	6	6	4	6
12" Lg						4
4	6	6	4	6	4	6
5	2	2				2
6	2	2				1
7" OD	1	1				1
8	1	1				1



ANVIL
INTERNATIONAL, INC.

**CARBON STEEL
Swage Nipples
Bull Plugs**

**EXTRA'S
SWAGE NIPPLES & BULL PLUGS**

ALL ECCENTRICS See page 9 for List Prices

TAPPED BULL PLUGS

2" and smaller Add to list \$9.05
2½" thru 4½" Add to list \$14.63
5" O.D. thru 10¾" O.D. Add to list \$27.97

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

SQUARE CUT OR PLAIN ENDS

The description "Plain End" or "PE" must be clarified to determine if square cut or beveled ends are required. All Swage Nipples and Bull Plugs with square cut ends specified, must be resized, square cut and fitted into socketweld fitting gauges to ensure a proper fit and installation. For this added service, the following price extras apply for Carbon Steel only:
Large End Sizes
1½" and smaller List plus 30%
2" and larger List plus 20%

GROOVED ENDS One end +5%; Two ends +10%

COMBINATION ENDS

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

FEMALE SWAGE NIPPLES

Price on application.

OIL COUNTRY EXTRAS

See page 13

SWAGE NIPPLES THREADED BOTH ENDS, SPECIFIED

Black or Unplated List plus 10%

MILL TEST REPORTS

Mill test reports are available online at <http://www.JBSMITH.com>

BUS STATION DELIVERY CHARGES

Due to increased transportation costs, a bus station delivery charge of \$4.00 will be added to all non-freight allowed bus shipments.

CONCENTRIC SWAGE NIPPLES

1/4" thru 3"

SIZE, INCHES			LENGTH INCHES	STANDARD		EXTRA HEAVY		DBL 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		*		\$29.26	1/4	\$39.84
3/8"	0.675	1/8	2 1/2		*	1/4	\$29.26	3/8	\$39.84
		1/4	2 1/2		*	1/4	\$25.74	3/8	\$35.07
1/2"	0.840	1/8	2 3/4		*	1/3	\$29.26	1/2	\$39.84
		1/4 and 3/8	2 3/4		*	1/3	\$24.12	1/2	\$32.83
3/4"	1.050	1/8	3		*	1/2	\$39.21	3/4	\$53.34
		1/4 and 3/8	3		*	1/2	\$35.72	3/4	\$48.63
		1/2	3		*	1/2	\$27.42	3/4	\$37.26
1"	1.315	1/8	3 1/2		*	2/3	\$48.43	1	\$65.84
		1/4 and 3/8	3 1/2		*	2/3	\$44.59	1	\$60.68
		1/2 and 3/4	3 1/2		*	2/3	\$35.54	1	\$48.36
1 1/4"	1.660	1/4 and 3/8	4		*	1	\$72.81	1 1/2	\$148.22
		1/2 and 3/4	4		*	1	\$55.31	1 1/2	\$134.72
		1	4		*	1	\$52.68	1 1/2	\$107.53
1 1/2"	1.900	1/4 and 3/8	4 1/2		*	1 1/6	\$91.26	2	\$148.22
		1/2 and 3/4	4 1/2		*	1 1/6	\$70.58	2	\$140.38
		1	4 1/2		*	1 1/6	\$61.73	2	\$111.09
		1 1/4	4 1/2		*	1 1/6	\$61.73	2	\$100.99
2"	2 3/8	1/4 and 3/8	6 1/2		*	3	\$132.79	4 1/4	\$238.18
		1/2 and 3/4	6 1/2		*	3	\$126.70	4 1/4	\$223.86
		1	6 1/2	2	\$86.81	2 1/3	\$100.23	4 1/4	\$208.07
		1 1/4	6 1/2	2	\$97.86	2 1/3	\$106.32	4 1/4	\$208.05
2 1/2"	2 7/8	1 1/2	6 1/2	2	\$73.88	2 1/3	\$100.23	4 1/4	\$208.05
		1/2 and 3/4	7		-	3 1/2	\$181.50	8	\$274.56
		1	7	3	\$108.56	3 1/2	\$155.81	8	\$259.27
		1 1/4	7	3	\$118.25	3 1/2	\$163.47	8	\$259.27
3"	3 1/2	1 1/2	7	3	\$113.62	3 1/2	\$148.60	8	\$259.27
		2	7	3	\$93.09	3 1/2	\$119.70	8	\$236.11
		1/2 and 3/4	8		-	6	\$225.66	11	\$346.59
		1	8	4 1/2	\$151.05	6	\$187.54	11	\$323.25
		1 1/4	8	4 1/2	\$164.62	6	\$196.77	11	\$323.25
		1 1/2	8	4 1/2	\$152.59	6	\$179.68	11	\$323.25
		2 and 2 1/2	8	4 1/2	\$106.51	6	\$137.94	11	\$282.41

*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" on page 6)

See page 3 for certification of raw material and marking.

Other price "Extras" on page 6.

All Eccentrics - See page 9 for calculated list.

Select sizes of 1" and smaller swages in EX and 160 weights available in A106 POA.

All sizes on this page have been processed in a manner strictly conforming to the requirements of ASTM A234, from material fully meeting all requirements of that specification. The correct marking for swage nipples to denote conformance with this specification is "WPB S-9". All sizes 1" and smaller will be made from hex barstock. Most sizes 1 1/4" and larger will be made from pipe and where pipe is not a practical raw material, round barstock will be used. No sacrifice of properties will result from such practice.



CONCENTRIC SWAGE NIPPLES
3½" thru 10"

SIZE, INCHES			LENGTH INCHES	STANDARD		EXTRA HEAVY		DBL EX & 160	
PIPE	API OR O.D.	REDUCED TO		WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH
3½"	4	½ thru 1½	8	5½	POA	7½	POA	13½	POA
		2 thru 3	8	5½	POA	7½	POA	13½	POA
4"	4½	½ and ¾	9	-	-	10	\$308.30	18	\$535.65
		1	9	7½	\$240.71	10	\$295.62	18	\$427.08
		1¼ and 1½	9	7½	\$230.83	10	\$283.49	18	\$427.08
		2	9	7½	\$168.92	10	\$228.43	18	\$378.08
		2½	9	7½	\$182.57	10	\$218.26	18	\$378.08
		3 and 3½	9	7½	\$155.06	10	\$208.01	18	\$378.08
5"	5⅞	1 thru 1½	11	11½	POA	17	\$708.44	33	POA
		2 and 2½	11	11½	\$640.05	17	\$686.51	33	POA
		3 and 3½	11	11½	\$517.03	17	\$618.64	33	POA
		4	11	11½	\$425.92	17	\$550.13	33	POA
6"	6⅝	1 thru 1½	12	17	POA	25	\$1,058.69	46	POA
		2 and 2½	12	17	\$820.80	25	\$801.80	46	POA
		3 and 3½	12	17	\$584.52	25	\$689.56	46	POA
		4	12	17	\$482.82	25	\$673.88	46	POA
		5	12	17	\$464.00	25	\$612.50	46	POA
8"	8⅝	2 thru 3	13	29	\$1,765.29	44	\$1,844.13	78	POA
		4 and 5	13	29	\$1,700.78	44	\$1,762.77	78	POA
		6	13	29	\$1,038.29	44	\$1,261.85	78	POA

Prices shown are for API-line pipe threaded ends or any combination thereof.
(For square and grooved ends, see "Extras" on page 5).

Other price Extras on page 5.

All Eccentrics - See page 9.

Swage Nipples, threaded both ends, specified black or unplated - List plus 10%

ECCENTRIC SWAGE NIPPLES

1/4" thru 4"

SIZE, INCHES			LENGTH INCHES	STANDARD		EXTRA HEAVY		DBL EX & 160	
API PIPE	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		*		\$112.76	1/4	\$153.38
3/8"	0.675	1/8	2 1/2		*	1/4	\$112.76	3/8	\$153.38
		1/4	2 1/2		*	1/4	\$99.16	3/8	\$134.99
1/2"	0.840	1/4 and 3/8	2 3/4		*	1/3	\$92.84	1/2	\$126.34
3/4"	1.050	1/4 and 3/8	3		*	1/2	\$137.59	3/4	\$187.18
		1/2	3		*	1/2	\$105.51	3/4	\$143.56
1"	1.315	1/4 and 3/8	3 1/2		*	2/3	\$171.70	1	\$233.59
		1/2 and 3/4	3 1/2		*	2/3	\$136.80	1	\$186.10
1 1/4"	1.660	1/2 and 3/4	4		*	1	\$212.79	1 1/2	\$518.65
		1	4		*	1	\$202.88	1 1/2	\$413.93
1 1/2"	1.900	1/2 and 3/4	4 1/2		*	1 1/6	\$271.77	2	\$540.51
		1	4 1/2		*	1 1/6	\$237.51	2	\$427.79
		1 1/4	4 1/2		*	1 1/6	\$237.65	2	\$388.84
2"	2 3/8	1/4 and 3/8	6 1/2		*	3	\$511.19	4 1/4	\$917.06
		1/2 and 3/4	6 1/2		*	3	\$487.88	4 1/4	\$861.78
		1	6 1/2	2	\$334.45	2 1/3	\$385.80	4 1/4	\$800.98
		1 1/4	6 1/2	2	\$376.69	2 1/3	\$409.51	4 1/4	\$800.98
		1 1/2	6 1/2	2	\$284.45	2 1/3	\$385.80	4 1/4	\$800.98
2 1/2"	2 7/8	1	7		\$417.97	3 1/2	\$599.91	8	\$998.20
		1 1/4	7	3	\$455.27	3 1/2	\$629.37	8	\$998.20
		1 1/2	7	3	\$437.49	3 1/2	\$572.11	8	\$998.20
		2	7		\$358.38	3 1/2	\$460.81	8	\$909.06
3"	3 1/2	1/2 and 3/4	8		-	6	\$987.29	11	\$1,334.27
		1	8	4 1/2	\$637.84	6	\$721.95	11	\$1,244.44
		1 1/4	8	4 1/2	\$694.88	6	\$757.48	11	\$1,244.44
		1 1/2	8	4 1/2	\$667.61	6	\$688.46	11	\$1,244.44
		2 and 2 1/2	8	4 1/2	\$466.10	6	\$531.01	11	\$1,087.18
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	\$1,016.38	10	\$1,135.44	18	\$1,644.23
		1 1/4 and 1 1/2	9	7 1/2	\$974.51	10	\$1,091.08	18	\$1,644.23
		2	9	7 1/2	\$739.07	10	\$879.56	18	\$1,455.67
		2 1/2	9	7 1/2	\$770.69	10	\$840.24	18	\$1,455.67
		3 and 3 1/2	9	7 1/2	\$678.43	10	\$800.82	18	\$1,455.67

*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" on page 6)

See page 4 for certification of raw material and marking.

Other price "Extras" on page 6.

Swage nipples, threaded both ends, specified black or unplated – List plus 10%.

SIZES NOT SHOWN – PRICES ON APPLICATION



CARBON STEEL Bull Plugs

BULL PLUGS

SIZE		LENGTH INCHES	STANDARD		EXTRA HEAVY		SOLID		DBL EX & 160	
PIPE	API OR O.D.		WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH
1/8"	0.405	2	....	*	1/10	\$25.38	1/5	\$25.38	2/5	\$36.39
1/4"	0.540	2	....	*	1/6	\$23.39	1/5	\$23.39	2/5	\$33.40
3/8"	0.675	2 1/4	....	*	1/7	\$25.38	1/3	\$25.38	2/7	\$36.39
1/2"	0.840	2 1/2	....	*	1/3	\$26.65	1/2	\$26.65	1/2	\$38.00
3/4"	1.050	2 3/4	....	*	1/2	\$27.42	4/5	\$27.42	3/4	\$39.11
1"	1.315	3	....	*	2/3	\$32.17	1 3/8	\$32.17	1	\$46.00
1 1/4"	1.660	3 1/4	....	*	1	\$50.42	2 1/4	\$50.42	1 1/2	\$93.57
1 1/2"	1.900	3 1/2	....	*	1 1/6	\$48.67	3	\$48.66	2	\$76.79
2"	2 3/8	4	2 1/4	\$63.36	2 1/2	\$93.80	5	\$93.80	3 1/2	\$177.43
2 1/2"	2 7/8	5	3	\$91.98	3 1/2	\$119.70	....	....	8	\$235.64
3"	3 1/2	6	4 1/2	\$126.97	6	\$159.25	....	....	11	\$379.75
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	\$159.68	10	\$224.05	....	....	18	\$497.61
5"	5 9/16	8 1/2	12 1/2	POA	17	POA	....	....	33	POA
6"	6 5/8	10	17	\$434.44	25	\$661.25	....	....	46	POA
8"	8 5/8	11	29	\$816.53	44	\$1,270.61	....	....	78	POA

*THESE SIZES NOT MADE IN STANDARD WEIGHT

Prices shown are for API line pipe threaded ends, beveled ends.

Tapped Bull Plugs - 2 3/8" O.D. and smaller add \$9.05 to list.

2 7/8" O.D. thru 4 1/2" O.D. add \$14.63 to list

Larger than 4 1/2" O.D. add \$27.92 to list

Hex Bull plugs - 1 1/4" thru 2" Use Double Extra Heavy price.

SOLID REFINERY PLUGS
Black (Non Plated)

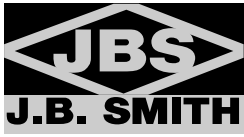
SIZE	LENGTH	PRICE
Hex Heads		
1/8	3"	\$16.32
1/4	3"	\$16.32
3/8	3"	\$16.32
1/2	3"	\$20.67
3/4	3"	\$24.02
1	3"	\$32.68
Round Heads		
1 1/4	3"	\$77.56
1 1/2	3"	\$71.90
2	3"	\$81.70

Smith solid black refinery plugs have been especially designed for refinery use. The body length leaves sufficient length for easy wrench application.

Material conforms to ASTM A 234 Grade WPB.

Special Lengths POA

Hex Heads 1 1/4" thru 2" are available POA



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	8V	....
1 EUE	1.315	....	10 Rd.	....	6	....	8 Rd.
1 1/4	1.660	11 1/2	10 Rd.	6	6 5/8	8V	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	8V	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	8V	10 Rd.	....	11 3/4	....	8 Rd.
2 1/2 EUE	2 7/8	....	8 Rd.	12	12 3/4	8V	....
3	3 1/2	8V	10 Rd.	....	13 3/8	....	8 Rd.
3 EUE	3 1/2	....	8 Rd.	....	14	8V	....
3 1/2	4	8V	8 Rd.	....	16	8V	8 Rd.
3 1/2 EUE	4	8V	8 Rd.	....	18	8V	....
4	4 1/2	8V	8 Rd.	....	20	8V	8 Rd.
4 EUE	4 1/2	....	8 Rd.	....	....	....	....

OIL COUNTRY EXTRAS

Swages Nipples and Bull Plugs longer or shorter than standard - Price on application.

Tapped bull plugs - 2 3/8" O.D. and smaller add \$8.83 to list.

..... 2 7/8" O.D. thru 4 1/2" O.D. add \$14.30 to list.

..... Larger than 4 1/2" O.D. add \$26.94 to list.

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	\$13.59
2 7/8" OD	\$13.59
3 1/2" OD	\$18.55
4 1/2" OD	\$27.71

CASING NIPPLES EXTRAS

Add 50% to list prices for all casing nipples with other than current API thread specifications.

For combination casing nipples, add the following for each thread:

	Comb. Thread	Long Thread
Sizes up to & including 6 5/8" O.D.	\$46.54	\$53.90
7" O.D. to & including 10 3/4" O.D.	\$57.82	\$65.51
Over 10 3/4" O.D.	\$83.16	\$85.75

SWAGE NIPPLES

OIL COUNTRY

Large End Upset Reduced to Regular or Upset

NOM. PIPE SIZE, IN.	PIPE O.D. IN.	REDUCED TO	LENGTH INCHES	STANDARD		EXTRA HEAVY		DOUBLE EXTRA HEAVY	
				WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH
1	1.315	3/4	3 1/2	2/3	POA	2/3	POA	....	....
1 1/4	1.660	3/4-1	4	1	POA	1	POA	....	....
1 1/2	1.900	3/4-1 1/4	4 1/2	1 1/4	\$281.31	1 1/4	\$345.40	....	....
2	2 3/8	1/4-1/2-3/4	8	2 1/2	POA	4	POA	6	POA
		1-1 1/4-1 1/2	8	2 1/2	\$398.88	4	\$435.92	6	POA
		2 1/16" O.D.	8	2 1/2	\$398.88	4	\$435.92	6	POA
2 1/2	2 7/8	1-1 1/4-1 1/2	8	5	\$495.87	6	\$551.41	10	POA
		2	8	6	\$372.59	6	\$481.53	10	POA
3	3 1/2	1-1 1/4-1 1/2	8	7 1/2	POA	9	POA	14	POA
		2-2 1/2	8	7 1/2	\$487.96	9	\$579.41	14	POA
4	4 1/2	1-1 1/4-1 1/2	9	11	POA	14	POA	23	POA
		2-2 1/2	9	11	\$648.97	14	\$705.73	23	POA
		3-3 1/2	9	11	\$614.36	14	\$675.01	23	POA

Large End Non-Upset Reduced to Upset

NOM. PIPE SIZE, IN.	PIPE O.D. IN.	REDUCED TO	LENGTH INCHES	STANDARD		EXTRA HEAVY		DOUBLE EXTRA HEAVY	
				WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH	WEIGHT EACH	PRICE EACH
1	1.315	3/4	3 1/2	2/3	\$174.43	2/3	\$193.71	....	....
1 1/4	1.660	3/4-1	4	1	\$220.00	1	\$237.42	....	....
1 1/2	1.900	3/4-1 1/4	4 1/2	1 1/4	\$256.50	1 1/4	\$276.29	....	....
2	2 3/8	3/4	6 1/2	2 1/2	POA	3 1/2	POA	5	POA
		1-1 1/4-1 1/2	6 1/2	2 1/2	\$347.84	3 1/2	\$417.69	5	POA
2 1/2	2 7/8	1-1 1/4-1 1/2	7	4	\$430.77	6	\$480.54	9	POA
		2	7	4	\$356.91	6	\$417.69	9	POA
3	3 1/2	1-1 1/4-1 1/2	8	6	POA	9	POA	12	POA
		2-2 1/2	8	6	\$424.43	9	\$504.13	12	POA
4	4 1/2	1-1 1/4-1 1/2	9	8	POA	12	POA	20	POA
		2-2 1/2	9	8	\$562.62	12	\$614.30	20	POA
		3-3 1/2	9	8	\$535.00	12	\$586.99	20	POA
	5 1/2	2-3	11	12 1/2	POA	17	POA	33	POA
	7	2-3	12	17	POA	25	POA	50	POA

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%.

Price covers nipples with tubing threads on one end with line pipe, tubing or casing threads on other end. Ends may be beveled at no extra charge.



SWAGE NIPPLES
OIL COUNTRY
TUBING & CASING
Non EUE Ends

SIZE, INCHES			LENGTH INCHES	STD.		XH		XXH	
I.D. OR NOMINAL	O.D.	REDUCED TO		WGT. EACH	PRICE EACH	WGT. EACH	PRICE EACH	WGT. EACH	PRICE EACH
1	1.315	¼ thru ¾	3½	⅔	POA	⅔	POA	1	POA
1¼	1.660	¼ thru ½	4	1	POA	1	POA	1½	POA
		¾ and 1	4	1	\$125.16	1	\$138.78	1½	POA
1½	1.900	¼ thru ¾	4½	1⅙	POA	1⅙	POA	2	POA
		1 and 1¼	4½	1⅙	\$134.13	1	\$147.79	2	POA
2	2⅜	¼ thru ¾	6½	2½	POA	3	POA	4¼	POA
		1 thru 2 O.D.	6½	2	\$114.79	2⅓	\$161.01	4¼	POA
2½	2⅞	¼ thru ¾	7	3	POA	3½	POA	8	POA
		1 thru 1½	7	3	POA	3½	POA	8	POA
		2 and 2⅙	7	3	\$129.13	3½	\$198.53	8	POA
3	3½	1 thru 1½	8	4½	POA	6	POA	11	POA
		2 and 2½	8	4½	\$156.51	6	\$230.23	11	POA
4	4½	1 thru 1½	9	7	POA	10	POA	18	POA
		2 thru 4 O.D.	9	7½	\$230.23	10	\$362.34	18	POA
	5	1 thru 1½	10	9½	POA	15	POA	24	POA
		2 thru 4½ O.D.	10	9½	POA	15	POA	24	POA
5½	5½	1 thru 1½	11	12½	POA	17	POA	33	POA
		2 and 2½	11	12½	\$695.77	17	\$903.48	33	POA
	6⅝	3 thru 5 O.D.	11	12½	\$465.15	17	\$724.14	33	POA
		1 thru 1½	12	17	POA	25	POA	46	POA
6	6	2 and 2½	12	17	\$1,025.08	25	\$1,057.98	46	POA
		3 thru 4 O.D.	12	17	\$691.67	25	\$951.53	46	POA
	7	4 thru 6 O.D.	12	17	\$598.53	25	\$846.63	46	POA
		1 thru 1½	12	17	POA	25	POA		
7	7	2 thru 2½	12	17	\$1,137.45	25	\$1,191.13		
		3 thru 5 O.D.	12	17	\$817.14	25	\$1,088.06		
	7⅝	5½ O.D. and 6 O.D.	12	17	\$636.39	25	\$1,019.20		
		2 thru 3	13	24	POA	32	POA		
8	8	4 O.D. thru 6 O.D.	13	24	POA	32	POA		
		6⅝ O.D. thru 7 O.D.	13	24	POA	32	POA		
	8⅝	2 thru 3	13	29	\$2,326.12	44	\$2,319.85		
		4 thru 6 O.D.	13	29	\$2,036.04	44	\$2,118.08		
9	9	6⅝ O.D. and 7⅝ O.D.	13	29	\$1,190.89	44	\$1,586.51		
		2 thru 3	14	38	POA	48	POA		
	9⅝	4 thru 6 O.D.	14	38	POA	48	POA		
6⅝ O.D. and 8⅝ O.D.		14	38	POA	48	POA			
10¾		10¾	2 thru 3	15	48	POA	68	POA	
	4 thru 6 O.D.		15	48	POA	68	POA		
	11	6⅝ O.D. thru 7⅝ O.D.	15	48	POA	68	POA		
		8⅝ O.D. thru 9⅝ O.D.	15	48	POA	68	POA		

All Swage Nipples on this page are made form J-55, K-55, N-80 or the most appropriate material available. Nipples specified N-80 - price on application.
 Prices cover nipples with Tubing Threads (10 Rd.).
 Casing Threads (8-Rd.) on one end with any thread or finish (Beveled) on the other end. Also includes Casing Sizes, where no thread is specified.

BULL PLUGS OIL COUNTRY
Tubing

SIZE, INCHES		LENGTH INCHES	STANDARD		EXTRA HEAVY		DBL EX HEAVY		FEMALE
PIPE	API OR O.D.		WEIGHT LBS.	PRICE EACH	WEIGHT LBS.	PRICE EACH	WEIGHT LBS.	PRICE EACH	PRICE EACH
¾ EUE		3	1½	POA	½	POA	–	–	–
1	1.315	3	1½	POA	⅔	POA	–	–	–
1 EUE		3	1½	POA		POA	–	–	–
1¼	1.660	¾	1½	POA	1	POA	–	–	–
1¼ EUE		¾	1½	POA		POA	–	–	–
1½	1.900	¾	1½	POA	1¼	POA	–	–	–
1½ EUE		¾	2	POA	2¼	POA	–	–	–
2	2⅝	4	2	\$83.80	3	\$107.73	4¼	\$234.33	\$246.05
2 EUE		5	3½	\$141.81	4	\$194.27	9	\$313.43	\$329.10
2½	2⅝	5	3	\$87.58	3½	\$137.52	8	\$253.49	\$266.16
2½ EUE		5½	4¼	\$195.81	6	\$250.67	14	\$487.81	\$512.20
3	3½	6	4½	\$123.69	5	\$182.98	11	\$469.80	\$493.29
3 EUE		6½	10	\$216.66	15	\$327.01	25	\$605.46	\$635.73

Casing

API OR O.D.	LENGTH INCHES	STANDARD		EXTRA HEAVY		DBL EX HEAVY	
		WEIGHT LBS.	PRICE EACH	WEIGHT LBS.	PRICE EACH	WEIGHT LBS.	PRICE EACH
4½	7	7½	\$173.05	10	\$306.14	18	POA
5	8	9½	\$214.54	15	\$381.61	24	POA
5½	8½	12½	\$343.82	17	\$601.94	33	POA
6⅝	10	17	\$460.19	25	\$803.12	46	POA
7	10	17	\$518.52	25	\$1,294.15	50	POA
7⅝	11	24	\$862.43	32	\$1,544.11	53	–
8⅝	11	29	\$862.43	44	\$1,544.11	78	–

Std. 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, Price on application.

Prices cover Bull Plugs with Tubing threads (10 Rd. & 8 Rd.). Casing Threads (8 Rd.) also includes Casing and Tubing Sizes with beveled ends.



ANVIL
INTERNATIONAL, INC.

OIL COUNTRY FITTINGS
Adapter Nipples
Bell Nipples

ADAPTER NIPPLES
SEAMLESS
SCHEDULE 40

SIZE INCHES	WEIGHT PIPE	3"	4"	6"	8"	10"	12"
¾"	....	....	....	....	....	....	....
1	....	\$60.06	\$60.06	\$63.12	\$71.16	\$74.76	\$80.69
1¼	....	\$62.45	\$62.45	\$68.28	\$73.52	\$79.39	\$84.01
1½	....	\$67.06	\$67.06	\$78.31	\$80.69	\$86.87	\$93.69
2	3.65 lb./ft.	\$31.25	\$31.25	\$36.63	\$41.90	\$46.64	\$50.75
2½	5.79 lb./ft.	....	\$35.34	\$45.44	\$53.06	\$58.34	\$69.00
3	7.58 lb./ft.	....	\$47.15	\$53.06	\$63.13	\$72.95	\$84.84
4	10.79 lb./ft.	....	\$57.79	\$64.23	\$84.86	\$100.23	\$112.07
5	14.62 lb./ft.	....	\$147.99	\$164.47	\$180.58	\$194.51	\$212.94
6	18.97 lb./ft.	....	\$191.09	\$212.94	\$233.99	\$253.47	\$274.69
8	28.55 lb./ft.	....	....	\$238.76	\$265.31	\$290.07	\$317.75
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", price on application.
 For extra heavy, double above price. For double extra heavy, four times above price.
 Above prices apply to grooved, threaded or beveled or any combination of these.

BELL NIPPLES

O.D.SIZE	WT.	PRICE
4½	4.5 lb.	POA
5½	9 lb.	POA
7	13.2 lb.	POA
8⅝	15 lb.	POA

TUBING NIPPLES - STANDARD WT.

Discounts Applicable:
 Grade J-55 - Following Prices NET
 Grade N-80 - Following Prices plus 25%

NOM. 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	\$161.75	\$197.48	\$246.91	\$343.46	...	...	...	...
1"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
1¼"	Upset A.P.I. Thds. One or Both Ends	\$156.75	\$216.47	\$273.86	\$372.56	\$493.71	...	...	...
1¼"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
1½"	Upset A.P.I. Thds. One or Both Ends	\$180.84	\$234.85	\$295.42	\$413.18	\$533.37	...	...	...
1½"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
2"	Upset A.P.I. Thds. One or Both Ends	\$171.57	\$136.51	\$181.31	\$196.93	\$237.48	\$248.92	\$261.47	\$275.75
2"	Non-upset (Regular)	\$128.09	\$117.01	\$132.44	\$154.21	\$167.96	\$198.92	\$214.56	\$222.11
2½"	Upset A.P.I. Thds. One or Both Ends	\$224.30	\$208.60	\$239.86	\$254.88	\$304.36	\$317.33	\$336.34	\$350.84
2½"	Non-upset (Regular)	\$135.13	\$139.22	\$157.63	\$175.30	\$194.62	\$211.70	\$230.70	\$254.17
3"	Upset A.P.I. Thds. One or Both Ends	POA	\$327.83	\$349.09	\$372.38	\$448.37	\$474.36	\$499.75	\$527.09
3"	Non-upset (Regular)	POA	\$181.73	\$216.27	\$247.03	\$274.95	\$315.25	\$354.74	\$368.92
4"	Upset A.P.I. Thds. One or Both Ends	POA	POA	\$590.99	\$626.90	\$755.16	\$799.41	\$843.77	\$882.81
4"	Non-upset (Regular)	POA	POA	POA	POA	...	...	...	...

Discounts Applicable:
 Grade J-55 - Following Prices NET
 Grade N-80 - Following Prices plus 25%

18" AND SHORTER UPSET AND NON-UPSET

NOM. 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	\$323.57	\$395.01	\$493.77	\$686.94	...	...	...	...
1"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
1¼"	Upset A.P.I. Thds. One or Both Ends	\$313.57	\$432.96	\$547.67	\$745.09	\$987.13	...	...	...
1¼"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
1½"	Upset A.P.I. Thds. One or Both Ends	\$361.69	\$469.69	\$590.76	\$826.39	\$1,066.68	...	...	...
1½"	Non-upset (Regular)	POA	POA	POA	POA	POA	POA	POA	POA
2"	Upset A.P.I. Thds. One or Both Ends	\$343.10	\$343.10	\$362.72	\$393.84	\$474.95	\$497.86	\$522.94	\$551.53
2"	Non-upset (Regular)	\$256.20	\$234.10	\$264.92	\$308.48	\$335.91	\$397.97	\$429.15	\$444.03
2½"	Upset A.P.I. Thds. One or Both Ends	\$448.65	\$448.65	\$479.72	\$509.75	\$608.66	\$634.76	\$672.67	\$701.82
2½"	Non-upset (Regular)	\$270.29	\$278.08	\$315.26	\$350.58	\$389.37	\$423.42	\$461.37	\$508.33
3"	Upset A.P.I. Thds. One or Both Ends	POA	\$655.70	\$698.19	\$744.81	\$896.75	\$948.76	\$999.50	\$1,054.21
3"	Non-upset (Regular)	POA	\$363.43	\$432.53	\$494.06	\$549.92	\$630.44	\$709.50	\$737.84
4"	Upset A.P.I. Thds. One or Both Ends	POA	POA	\$1,182.07	\$1,255.51	\$1,510.28	\$1,598.78	\$1,687.60	\$1,765.62
4"	Non-upset (Regular)	POA	POA	POA	POA	...	...	...	...

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



ANVIL
INTERNATIONAL, INC.

OIL COUNTRY FITTINGS
Casing Nipples

CASING NIPPLES J-55
Net Cost Each

SIZE O.D.	WEIGHT PER FT.	STEEL GRADE	LENGTH-PRICE-WEIGHT						ADD FOR EACH 2 ADDITION
			8"	10"	12"	18"	24"	36"	
4½	10.5	K	\$263.95	\$285.67	\$308.49	\$326.18	\$383.37	\$496.70	\$24.66
	11.6	K-N-P	\$280.27	\$303.04	\$325.52	\$337.61	\$398.28	\$511.69	\$28.23
5	11.5	K	POA	POA	POA	POA	POA	POA	POA
	13.0	K	POA	POA	POA	POA	POA	POA	POA
	15.0	K-N-P	POA	POA	POA	POA	POA	POA	POA
	18.0	N-P	POA	POA	POA	POA	POA	POA	POA
5½	14.0	K	POA	POA	POA	POA	POA	POA	POA
	15.5	K	\$309.49	\$345.00	\$376.27	\$478.02	\$570.41	\$767.90	\$30.52
	17.0	K-N-P	\$330.40	\$365.39	\$404.27	\$511.10	\$622.99	\$845.90	\$34.26
	20.0	N-P	\$317.08	\$360.26	\$397.37	\$519.51	\$635.13	\$866.27	\$40.36
6⅝	20.0	K	\$393.19	\$433.04	\$480.63	\$611.04	\$741.64	\$1,003.32	\$40.36
	24.0	K-N-P	\$428.93	\$480.63	\$533.88	\$688.83	\$846.00	\$1,161.84	\$48.93
	28.0	N-P	\$461.81	\$523.70	\$586.44	\$767.90	\$950.73	\$1,316.16	\$55.99
7	20.0	K	\$399.69	\$445.06	\$492.43	\$622.99	\$752.51	\$1,016.16	\$40.36
	23.0	K-N	\$428.93	\$478.02	\$528.94	\$680.53	\$829.87	\$1,132.23	\$47.59
	26.0	K-N-P	\$456.12	\$569.54	\$569.54	\$738.23	\$902.55	\$1,250.93	\$52.82
	29.0	N-P	\$481.50	\$545.76	\$611.04	\$795.69	\$987.39	\$1,364.38	\$58.41
	7⅝	K-N	\$480.63	\$537.35	\$595.84	\$767.90	\$939.83	\$1,285.53	\$55.27
8⅝	29.7	N-P	\$506.78	\$573.86	\$638.22	\$829.87	\$1,022.79	\$1,415.26	\$60.69
	24.0	K	\$492.43	\$543.12	\$618.67	\$751.61	\$907.67	\$1,222.96	\$48.93
	32.0	K	\$566.25	\$632.17	\$700.92	\$907.67	\$1,117.83	\$1,534.91	\$63.87
	36.0	K-N	\$595.91	\$673.10	\$749.97	\$987.39	\$1,222.96	\$1,692.27	\$71.26
	44.0	N-P	\$700.92	\$802.63	\$899.19	\$1,174.38	\$1,456.81	\$2,021.88	\$77.81
9⅝	49.0	N-P	\$761.39	\$866.27	\$962.51	\$1,238.95	\$1,469.54	\$2,083.58	\$79.39
	36.0	K	POA	POA	POA	POA	POA	POA	POA
	40.0	K-N	POA	POA	POA	POA	POA	POA	POA
	43.5	N-P	POA	POA	POA	POA	POA	POA	POA
	47.0	N-P	POA	POA	POA	POA	POA	POA	POA
10¾	40.5	K	POA	POA	POA	POA	POA	POA	POA
	45.5	K	POA	POA	POA	POA	POA	POA	POA
	55.5	N-P	POA	POA	POA	POA	POA	POA	POA
11¾	60.0	K	POA	POA	POA	POA	POA	POA	POA
13⅝	54.5	K	POA	POA	POA	POA	POA	POA	POA
	61.0	K	POA	POA	POA	POA	POA	POA	POA
	68.0	K	POA	POA	POA	POA	POA	POA	POA
	72.0	K	POA	POA	POA	POA	POA	POA	POA
16	75.0	K	POA	POA	POA	POA	POA	POA	POA
	84.0	K	POA	POA	POA	POA	POA	POA	POA

For intermediate lengths, use next shorter length plus price from last column for each 2" or fraction thereof.
 When ordering, specify size, weight, length and threads per inch. Weights and lengths not shown are priced on application.
 For N-80 Add 25%.

SUB TUBING COUPLINGS J-55

SIZE	WEIGHT EACH	PRICE EACH
2 EUE x 2 Reg	5	\$207.30
2½ Reg x 2 Reg	5	\$321.75
2½ Reg x 2 EUE	5	\$321.75
2½ EUE x 2 Reg	8	\$365.56
2½ EUE x 2 EUE	8	\$365.56
2½ EUE x 2½ Reg	7	\$365.56
3 Reg x 2 Reg	11	\$596.87
3 Reg x 2 EUE	11	\$596.87
3 Reg x 2½ Reg	10	\$516.90
3 Reg x 2½ EUE	10	\$516.90
3 EUE x 2 Reg	15	\$582.53
3 EUE x 2 EUE	14	\$582.53
3 EUE x 2½ Reg	16	\$537.10
3 EUE x 2½ EUE	15	\$537.10
3 EUE x 3 Reg	13	\$525.74
4 Reg x 3 Reg	10	\$956.70
4 Reg x 3 EUE	12	\$956.70
4 EUE x 3 Reg	11	\$1,082.39
4 EUE x 3 EUE	11	\$1,082.39
4 EUE x 4 Reg	10	\$1,082.39

For sizes smaller than 2" x 2" shown above, price POA, for N-80, add 100%.
 Add 50% to price for all threaded items with other than current A.P.I. thread specifications
 (see page 13)

COMBINATION COUPLINGS J-5

SIZE, INCHES	O.D., INCHES	PRICE EACH		
		Round Thread x Sharp Thread or Comb. Thread		Comb. Special Thread x Regular Thread
		REG. BOTH ENDS	EUE BOTH ENDS	
2	2¾	\$183.81	\$196.94	P.O.A.
2½	2⅞	\$305.66	\$347.38	P.O.A.
3	3½	\$516.90	\$525.74	P.O.A.
4	4½	\$969.50	\$1,094.71	P.O.A.

For sizes smaller than 2", price \$157.86
 For N-80, add 100%.
 V Threads are not recommended for lifting.



ANVIL
INTERNATIONAL, INC.

COUPLINGS
Tubing

API TUBING COUPLINGS

		PRICE EACH						
SIZE NOMINAL INCHES	TUBING O.D.	NON-UPSET			EXTERNAL UPSET			
		J-55	N-80	LBS.PER 100	J-55	N-80	C-75	LBS. PER 100
2"	2 ³ / ₈ "	POA	POA	282	POA	POA	POA	342
2 ¹ / ₂ "	2 ⁷ / ₈ "	POA	POA	515	POA	POA	POA	529
3"	3 ¹ / ₂ "	POA	POA	817	POA	POA	POA	902
3 ¹ / ₂ "	4"	POA	POA	957	POA	POA	POA	1,056
4"	4 ¹ / ₂ "	POA	POA	1,076	POA	POA	POA	1,331

Bevel on end: Plus 10%. Bevel two ends: Plus 20%.

SPECIAL CLEARANCE TUBING COUPLINGS

		PRICE EACH				
SIZE NOMINAL INCHES	TUBING O.D.	EXTERNAL UPSET			LBS PER 100	ACTUAL O.D. INCHES
		J-55	N-80	C-75 L-80		
2"	2 ³ / ₈ "	POA	POA	POA	240	2.91
2 ¹ / ₂ "	2 ⁷ / ₈ "	POA	POA	POA	348	3.46
3"	3 ¹ / ₂ "	POA	POA	POA	540	4.18

API CASING COUPLINGS
SHORT THREAD

CASING O.D. INCHES	GRADE J-55 OR K-55		COMB. THREAD 8 Rd. x V	N-80 ROUND THREAD	P-110 ROUND THREAD	LBS. PER 100	LENGTH of ROUND THD. COUPLING
	ROUND THREAD	8 ROUND x SJ					
4½"	POA	POA	–	–	–	805	6¼"
5"	<i>Price on Application</i>			–	–	1,018	6½"
5½"				–	–	1,144	6¾"
6⅝"				–	–	1,997	7¼"
7"				–	–	1,834	7¼"
7⅝"				–	–	2,693	7½"
8⅝"				–	–	3,558	7¾"
9⅝"				–	–	3,951	7¾"
10¾"				–	–	4,553	8"
11¾"				–	–	–	8"
13⅜"				–	–	5,623	8"
16"				–	–	7,898	9"
20"				–	–	9,500	9"

API CASING COUPLINGS
LONG THREAD

CASING O.D. INCHES	PRICE EACH			LBS. PER 100	LENGTH OF COUPLING
	J-55 or K-55	N-80	C-75 L-80		
4½"	-	-	-	907	7"
5"	<i>Price on Application</i>			1,256	7¾"
5½"				1,403	8"
6⅝"				1,829	8¾"
7"				2,367	9"
7⅝"				3,423	9¼"
8⅝"				4,748	10"
9⅝"				5,577	10½"
10¾"				6,202	10½"
13⅜"				7,663	10½"



ANVIL
INTERNATIONAL, INC.

STAINLESS STEEL
Stainless Swages

STAINLESS & ALLOY STEEL SWAGE NIPPLES S/40

SIZE	LENGTH	LIST PRICE
1/4 x 1/8	2 1/4	\$21.90
3/8 x 1/4	2 1/2	\$21.90
1/2 x 1/4	2 3/4	\$21.90
1/2 x 3/8	2 3/4	\$21.90
3/4 x 1/4	3	\$26.15
3/4 x 3/8	3	\$26.15
3/4 x 1/2	3	\$24.20
1 x 1/4	3 1/2	\$31.59
1 x 1/2	3 1/2	\$30.73
1 x 3/4	3 1/2	\$30.73
1 1/4 x 1/2	4	\$66.44
1 1/4 x 3/4	4	\$66.44
1 1/4 x 1	4	\$60.92
1 1/2 x 1/2	4 1/2	\$66.44
1 1/2 x 3/4	4 1/2	\$66.44
1 1/2 x 1	4 1/2	\$64.77
1 1/2 x 1 1/4	4 1/2	\$64.77
2 x 1/2	6 1/2	\$160.36
2 x 3/4	6 1/2	\$160.36

304

SIZE	LENGTH	LIST PRICE
2 x 1	6 1/2	\$152.16
2 x 1 1/4	6 1/2	\$152.16
2 x 1 1/2	6 1/2	\$152.16
2 1/2 x 1	7	\$288.06
2 1/2 x 1 1/4	7	\$288.06
2 1/2 x 1 1/2	7	\$271.58
2 1/2 x 2	7	\$271.58
3 x 1	8	\$394.42
3 x 1 1/4	8	\$382.26
3 x 1 1/2	8	\$368.35
3 x 2	8	\$368.35
3 x 2 1/2	8	\$368.35
4 x 1	9	\$860.83
4 x 1 1/4	9	\$738.72
4 x 1 1/2	9	\$738.72
4 x 2	9	\$691.05
4 x 2 1/2	9	\$691.05
4 x 3	9	\$691.05
4 x 3 1/2	9	\$691.05

Other Types and Sizes on Application.
For other Alloy Raw Material, call the Factory.
Mill test reports furnished on request only.

EXTRAS:
Eccentrics - Plus 50%.

STAINLESS & ALLOY STEEL SWAGE NIPPLES S/40

SIZE	LENGTH	LIST PRICE
1/4 x 1/8	2 1/4	\$26.67
3/8 x 1/4	2 1/2	\$26.67
1/2 x 1/4	2 3/4	\$26.67
1/2 x 3/8	2 3/4	\$24.73
3/4 x 1/4	3	\$30.95
3/4 x 3/8	3	\$28.72
3/4 x 1/2	3	\$28.72
1 x 1/4	3 1/2	\$36.86
1 x 1/2	3 1/2	\$34.11
1 x 3/4	3 1/2	\$34.11
1 1/4 x 1/2	4	\$80.48
1 1/4 x 3/4	4	\$80.48
1 1/4 x 1	4	\$72.47
1 1/2 x 1/2	4 1/2	\$80.48
1 1/2 x 3/4	4 1/2	\$80.48
1 1/2 x 1	4 1/2	\$77.20
1 1/2 x 1 1/4	4 1/2	\$77.20
2 x 1/2	6 1/2	\$205.70
2 x 3/4	6 1/2	\$205.70

316

SIZE	LENGTH	LIST PRICE
2 x 1	6 1/2	\$191.56
2 x 1 1/4	6 1/2	\$191.56
2 x 1 1/2	6 1/2	\$191.56
2 1/2 x 1	7	\$359.11
2 1/2 x 1 1/4	7	\$359.09
2 1/2 x 1 1/2	7	\$334.51
2 1/2 x 2	7	\$334.51
3 x 1	8	\$497.68
3 x 1 1/4	8	\$467.01
3 x 1 1/2	8	\$466.22
3 x 2	8	\$466.22
3 x 2 1/2	8	\$466.22
4 x 1	9	\$1,110.61
4 x 1 1/4	9	\$1,045.75
4 x 1 1/2	9	\$1,045.75
4 x 2	9	\$798.92
4 x 2 1/2	9	\$798.92
4 x 3	9	\$798.92
4 x 3 1/2	9	\$798.92

Other Types and Sizes on Application.
For other Alloy Raw Material, call the Factory.
Mill test reports furnished on request only.

EXTRAS:
Eccentrics - Plus 50%.



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