



Catawissa™ WING UNIONS

PERFORMANCE UNDER PRESSURE

Price Sheet CWU-4.11 | Effective: April 18, 2011 | Cancels Price Sheet CWU-6.10 of June 7, 2010

**FOR THE MOST CURRENT PRODUCT/PRICING INFORMATION ON ANVIL PRODUCTS,
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FREIGHT ALLOWANCE:

All prices are F.O.B. point of shipment. On shipments weighing 2,500 pounds or more, rail freight or motor freight at the lowest published rate, is allowed to all continental U.S. rail points or all U.S. highway points listed in published tariffs (Alaska and Hawaii excluded). In no case will more than actual freight be allowed.

NOTE:

- All orders are accepted on the basis of prices in effect at the time of shipment.
- Prices apply only to Standard Sizes as listed in catalogs.
- 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.

NOTICE:

To the prices and terms quoted, there will be added any manufacturers or sales tax payable on the transaction under any effective statute.

GENERAL

- UPC numbers and SPIN commodity identification numbers are available upon request.
- To obtain current ISO certifications, listings, and other approvals, visit Anvil's Web site at www.anvilintl.com.
- Pricing is subject to change without notice. Go to Anvil's Web site for the most current list price information, or contact your local Anvil representative.

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.

**NORTHERN REGION
CUSTOMER SERVICE CENTER**
800-301-2701

**SOUTHERN REGION
CUSTOMER SERVICE CENTER**
800-451-4414



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 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 of 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 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 nonstandard 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 paid by Buyer unless Buyer provides Seller with an exemption certificate acceptance 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, workmanship furnished by Seller (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 at the time of the loss occurrence.

11. MINIMUM INVOICE:

Domestic: \$100 plus transportation.
International: \$500 plus transportation.

12. TERMS:

Cash, net 30 days unless otherwise specified.

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

NOTICE: The prices and terms quoted, there will be added any manufacturers or sales tax payable on the transaction under any effective statute.

FREIGHT ALLOWANCE: All prices are F.O.B. point of shipment. On shipments weighing 2,500 pounds or more, rail freight or motor freight at the lowest published rate, is allowed to all continental U.S. rail points or all U.S. highway points listed in published tariffs (Alaska and Hawaii excluded). In no case will more than actual freight be allowed. Shipments (weighing less than 2,500 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.



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HIGH SPEED FORGED STEEL UNIONS

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TRI-LUG HIGH SPEED UNION

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FIGURE 100
1,000 psi cwp - 1,500 psi test
threaded ends - black nut/yellow subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$67.05	6.25	12 ■
	NUT	\$43.35	3.30	-
	MALE SUB	\$20.60	1.30	-
	FEMALE SUB	\$26.00	1.65	-
2½	UNION COMPLETE	\$149.00	10.05	8
	NUT	\$50.95	5.30	-
	MALE SUB	\$61.85	2.25	-
	FEMALE SUB	\$60.70	2.50	-
3	UNION COMPLETE	\$163.90	13.65	6
	NUT	\$80.25	7.15	-
	MALE SUB	\$67.25	3.25	-
	FEMALE SUB	\$74.80	3.25	-
4	UNION COMPLETE	\$267.10	22.00	2
	NUT	\$132.25	9.80	-
	MALE SUB	\$98.65	6.65	-
	FEMALE SUB	\$116.00	5.55	-
6	UNION COMPLETE	\$615.10	45.85	-
	NUT	\$226.60	21.75	-
	MALE SUB	\$267.75	11.10	-
	FEMALE SUB	\$313.40	13.00	-
8	UNION COMPLETE	\$979.05	66.65	-
	NUT	\$358.80	27.40	-
	MALE SUB	\$411.90	18.10	-
	FEMALE SUB	\$498.65	21.15	-

Note: 2" available with 8RD thread – Consult your Anvil Rep. for pricing.
■ Sold in box only.

FIGURE 100C - Import
1,000 psi cwp - 1,500 psi test
threaded ends - black nut/yellow subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	LUG UNION	\$67.05	6.25	6 ■

■ Sold in box only.

FIGURE 200C - Import
2,000 psi cwp - 3,000 psi test
threaded ends - blue nut/gray subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	LUG UNION	\$43.65	1.75	36 ■
2	LUG UNION	\$80.90	4.90	6 ■

■ Sold in box only.

FIGURE 200
2,000 psi cwp - 3,000 psi test
threaded ends - blue nut/gray subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$43.65	1.75	36 ■
	NUT	\$24.95	0.95	-
	MALE SUB	\$14.10	0.40	-
	FEMALE SUB	\$20.60	0.40	-
1¼	UNION COMPLETE	\$132.00	2.25	25
	NUT	\$58.55	1.20	-
	MALE SUB	\$52.05	0.50	-
	FEMALE SUB	\$68.30	0.55	-
1½	UNION COMPLETE	\$170.30	2.75	24
	NUT	\$75.90	1.30	-
	MALE SUB	\$67.25	0.70	-
	FEMALE SUB	\$85.65	0.75	-
2 (Ductile Iron)	UNION COMPLETE	\$71.60	4.75	14 ■
	NUT	\$30.35	2.20	-
	MALE SUB	\$28.20	1.15	-
	FEMALE SUB	\$34.75	1.40	-
2½	UNION COMPLETE	\$236.30	10.70	8
	NUT	\$78.05	6.40	-
	MALE SUB	\$105.15	2.00	-
	FEMALE SUB	\$151.80	2.30	-
3	UNION COMPLETE	\$229.90	12.85	6
	NUT	\$110.60	6.00	-
	MALE SUB	\$82.40	3.35	-
	FEMALE SUB	\$100.85	3.50	-
4	UNION COMPLETE	\$336.30	18.70	4
	NUT	\$127.95	7.40	-
	MALE SUB	\$134.45	5.30	-
	FEMALE SUB	\$176.70	6.00	-
6	UNION COMPLETE	\$1,368.50	46.10	-
	NUT	\$381.55	18.18	-
	MALE SUB	\$568.00	12.74	-
	FEMALE SUB	\$303.60	15.18	-
2 (Forged Steel)	UNION COMPLETE	\$80.90	5.60	14 ■
	NUT	\$30.35	2.20	-
	MALE SUB	\$47.70	1.20	-
	FEMALE SUB	\$60.70	1.60	-

■ Sold in box only.

FIGURE 200
2,000 psi cwp - 3,000 psi test
butt weld ends - SCHEDULE 40
blue nut/gray subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$255.40	5.50	14
	NUT	\$30.35	2.20	-
	MALE SUB	\$152.85	1.50	-
	FEMALE SUB	\$195.15	1.80	-
3	UNION COMPLETE	\$486.35	14.50	6
	NUT	\$110.60	6.00	-
	MALE SUB	\$232.05	3.50	-
	FEMALE SUB	\$290.50	4.50	-
4	UNION COMPLETE	\$689.60	20.90	4
	NUT	\$127.95	7.40	-
	MALE SUB	\$312.20	6.18	-
	FEMALE SUB	\$409.80	7.38	-



FIGURE 202
blanking cap only w/o ring
2,000 psi cwp – 3,000 psi test
Threaded ends – black cap

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
4	BLANKING CAP W/O-RING	\$251.60	9.00	-

FIGURE 206
2,000 psi cwp - 3,000 psi test
threaded ends
blue nut/gray subs with seal ring

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$91.55	1.75	36
	NUT	\$44.45	0.95	-
	MALE SUB W/ O-RING	\$44.45	0.40	-
	FEMALE SUB	\$20.60	0.40	-
	O-RING	\$7.75	-	-
1¼	UNION COMPLETE	\$187.30	2.25	25
	NUT	\$72.65	1.20	-
	MALE SUB W/ O-RING	\$97.60	0.50	-
	FEMALE SUB	\$68.30	0.55	-
	O-RING	\$11.05	-	-
1½	UNION COMPLETE	\$170.30	2.75	24
	NUT	\$65.05	1.30	-
	MALE SUB W/ O-RING	\$86.75	0.70	-
	FEMALE SUB	\$85.65	0.75	-
	O-RING	\$11.05	-	-
2	UNION COMPLETE	\$128.80	4.75	14
	NUT	\$48.80	2.20	-
	MALE SUB W/ O-RING	\$67.25	1.15	-
	FEMALE SUB	\$92.15	1.40	-
	O-RING	\$10.00	-	-
2½	UNION COMPLETE	\$398.00	10.70	8
	NUT	\$122.50	6.40	-
	MALE SUB W/ O-RING	\$177.75	2.00	-
	FEMALE SUB	\$149.60	2.30	-
	O-RING	\$8.85	-	-
3	UNION COMPLETE	\$255.40	13.00	6
	NUT	\$120.30	6.00	-
	MALE SUB W/ O-RING	\$100.85	3.35	-
	FEMALE SUB	\$99.75	3.50	-
	O-RING	\$10.00	-	-
4	UNION COMPLETE	\$345.90	18.70	4
	NUT	\$127.95	7.40	-
	MALE SUB W/ O-RING	\$149.60	5.30	-
	FEMALE SUB	\$179.05	6.00	-
	O-RING	\$10.00	-	-
6	UNION COMPLETE	\$1,368.50	46.10	-
	NUT	\$381.55	18.18	-
	MALE SUB W/ O-RING	\$568.00	12.74	-
	FEMALE SUB	\$496.45	15.18	-
	O-RING	\$28.75	-	-

FIGURE 206
2,000 psi cwp - 3,000 psi test
buttweld ends - schedule 40
blue nut/gray subs with seal ring

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$299.05	6.00	14
	NUT	\$48.80	2.20	-
	MALE SUB W/ O-RING	\$153.95	1.50	-
	FEMALE SUB	\$196.20	1.50	-
	O-RING	\$10.00	-	-
3	UNION COMPLETE	\$462.90	14.50	6
	NUT	\$120.30	6.00	-
	MALE SUB W/ O-RING	\$184.30	3.50	-
	FEMALE SUB	\$289.40	4.50	-
	O-RING	\$10.00	-	-
4	UNION COMPLETE	\$584.25	20.90	4
	NUT	\$127.95	7.40	-
	MALE SUB W/ O-RING	\$253.65	6.18	-
	FEMALE SUB	\$409.80	7.38	-
	O-RING	\$10.00	-	-
6	UNION COMPLETE	\$2,358.20	45.00	-
	NUT	\$381.55	18.18	-
	MALE SUB W/ O-RING	\$921.40	13.00	-
	FEMALE SUB	\$1,103.50	14.00	-
	O-RING	\$28.75	-	-

FIGURE 211
insulating unions
2,000 psi cwp - 3,000 psi test
threaded ends - gray nut/light blue sub

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$228.45	2.34	30
	NUT	\$85.05	1.42	-
	MALE SUB	\$59.70	0.40	-
	FEMALE SUB	\$85.10	0.52	-
	SET OF INSULATING SEALS	\$85.10	0.03	-
2	UNION COMPLETE	\$245.45	6.24	12
	NUT	\$68.55	2.96	-
	MALE SUB	\$70.70	1.42	-
	FEMALE SUB	\$84.00	1.86	-
	SET OF INSULATING SEALS	\$70.70	0.05	-



FIGURE 300

**flat face union - 2,000 psi cwp - 3,000 psi test
gray nut/yellow subs**

**Flat Face Fig. 300 Unions permit lateral removal of valves
and other fittings for easy replacement or inspection.**

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$64.95	2.21	30
	NUT	\$30.35	1.50	-
	MALE SUB	\$27.10	0.31	-
	FEMALE SUB W/O-RING	\$30.35	0.50	-
	SEAL RING	\$4.35	-	-
2	UNION COMPLETE	\$80.90	6.00	12
	NUT	\$35.80	3.31	-
	MALE SUB	\$32.55	1.25	-
	FEMALE SUB W/O-RING	\$44.45	1.44	-
	SEAL RING	\$5.45	-	-
2½	UNION COMPLETE	\$205.40	10.88	8
	NUT	\$98.65	6.19	-
	MALE SUB	\$85.65	2.13	-
	FEMALE SUB W/O-RING	\$97.60	2.56	-
	SEAL RING	\$7.60	-	-
3	UNION COMPLETE	\$258.60	14.25	6
	NUT	\$111.65	6.31	-
	MALE SUB	\$98.65	3.50	-
	FEMALE SUB W/O-RING	\$144.20	4.44	-
	SEAL RING	\$9.80	-	-
4	UNION COMPLETE	\$356.50	20.69	4
	NUT	\$117.10	8.31	-
	MALE SUB	\$86.75	5.57	-
	FEMALE SUB W/O-RING	\$284.00	6.63	-
	SEAL RING	\$14.10	-	-

FIGURE 301

**steam service unions
3,000 psi cwp - 4,500 psi test
black nut/green subs**

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$80.70	1.75	-
2	UNION COMPLETE	\$69.55	4.90	-
3	UNION COMPLETE	\$158.05	13.25	-

FIGURE 400

**4,000 psi cwp - 6,000 psi test
threaded ends - black nut/red subs**

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$202.35	11.05	6
	NUT	\$102.50	5.60	-
	MALE SUB	\$67.60	2.65	-
	FEMALE SUB	\$94.65	2.80	-
3	UNION COMPLETE	\$485.45	20.00	3
	NUT	\$174.60	8.50	-
	MALE SUB	\$188.10	5.50	-
	FEMALE SUB	\$234.25	6.00	-
4	UNION COMPLETE	\$630.25	29.15	2
	NUT	\$217.40	10.15	-
	MALE SUB	\$281.60	8.85	-
	FEMALE SUB	\$330.00	10.15	-

FIGURE 400

**4,000 psi cwp - 6,000 psi test
butt weld ends - SCHEDULE 80
black nut/red subs**

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$350.50	10.75	6
	NUT	\$102.50	5.60	-
	MALE SUB	\$154.30	2.75	-
	FEMALE SUB	\$227.55	3.00	-



FIGURE 600
6,000 psi cwp - 9,000 psi test
threaded ends - black nut/silver subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$280.85	3.65	25
	NUT	\$135.15	1.95	-
	MALE SUB	\$74.35	0.65	-
	FEMALE SUB W/ BRONZE SEAT	\$170.05	1.05	-
	BRONZE SEAT INSERT	\$62.00	0.05	-
1½	UNION COMPLETE	\$403.60	-	7
	NUT	\$168.95	-	-
	MALE SUB	\$112.65	-	-
	FEMALE SUB W/ BRONZE SEAT	\$228.65	-	-
	BRONZE SEAT INSERT	\$59.75	-	-
2	UNION COMPLETE	\$444.50	15.64	4
	NUT	\$188.10	7.08	-
	MALE SUB	\$125.05	3.22	-
	FEMALE SUB W/ BRONZE SEAT	\$253.45	5.34	-
	BRONZE SEAT INSERT	\$65.35	0.65	-
3	UNION COMPLETE	\$718.75	27.25	3
	NUT	\$289.50	-	-
	MALE SUB	\$268.05	-	-
	FEMALE SUB W/ BRONZE SEAT	\$380.70	-	-
	BRONZE SEAT INSERT	\$92.40	-	-
4	UNION COMPLETE	\$992.90	40.00	2
	NUT	\$326.65	14.25	-
	MALE SUB	\$394.20	11.00	-
	FEMALE SUB W/ BRONZE SEAT	\$571.05	12.65	-
	BRONZE SEAT INSERT	\$149.85	2.15	-

FIGURE 602
6,000 psi cwp - 9,000 psi test
threaded ends - black nut/orange subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$147.05	3.55	25
	NUT	\$78.85	1.95	-
	MALE SUB	\$45.10	0.60	-
	FEMALE SUB W/ RING	\$68.75	1.00	-
	SEAL RING	\$7.90	-	-
1½	UNION COMPLETE	\$309.60	9.54	7
	NUT	\$145.30	4.98	-
	MALE SUB	\$116.00	1.98	-
	FEMALE SUB W/ RING	\$168.95	2.58	-
	SEAL RING	\$11.30	-	-
2	UNION COMPLETE	\$268.70	12.40	6
	NUT	\$126.15	6.50	-
	MALE SUB	\$101.35	2.85	-
	FEMALE SUB W/ RING	\$146.45	3.05	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$489.80	22.30	3
	NUT	\$205.00	9.95	-
	MALE SUB	\$189.20	5.20	-
	FEMALE SUB W/ RING	\$243.30	7.15	-
	SEAL RING	\$14.70	-	-
4	UNION COMPLETE	\$696.60	32.18	2
	NUT	\$253.45	13.30	-
	MALE SUB	\$269.20	8.36	-
	FEMALE SUB W/ RING	\$373.95	10.52	-
	SEAL RING	\$15.80	-	-

FIGURE 602
6,000 psi cwp - 9,000 psi test
butt weld ends - SCHEDULE 80
black nut/orange subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$389.25	12.12	6
	NUT	\$125.05	6.54	-
	MALE SUB	\$178.00	2.76	-
	FEMALE SUB W/ RING	\$257.95	2.82	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$565.00	21.25	3
	NUT	\$205.00	9.95	-
	MALE SUB	\$238.80	5.75	-
	FEMALE SUB W/ RING	\$313.10	6.00	-
	SEAL RING	\$14.70	-	-
4	UNION COMPLETE	\$824.85	28.25	2
	NUT	\$253.45	13.30	-
	MALE SUB	\$333.40	7.50	-
	FEMALE SUB W/ RING	\$462.90	9.75	-
	SEAL RING	\$15.80	-	-

FIGURE 607
well service unions - 6,000 psi cwp - 9,000 psi test
threaded ends - yellow nut/silver subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1½	UNION COMPLETE	\$321.75	8.96	7
	NUT	\$153.20	5.34	-
	MALE SUB	\$123.90	1.52	-
	FEMALE SUB W/ RING	\$179.10	2.10	-
	SEAL RING	\$15.80	-	-
2	UNION COMPLETE	\$368.20	14.64	4
	NUT	\$173.45	7.68	-
	MALE SUB	\$140.80	2.82	-
	FEMALE SUB W/ RING	\$221.90	4.14	-
	SEAL RING	\$20.30	-	-



FIGURE 1002
10,000 psi cwp - 15,000 psi test
threaded ends - red nut/blue subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
1	UNION COMPLETE	\$249.90	3.62	25
	NUT	\$127.30	2.02	-
	MALE SUB	\$69.85	0.70	-
	FEMALE SUB W/ RING	\$103.65	0.90	-
	SEAL RING	\$7.90	-	-
1½	UNION COMPLETE	\$391.40	9.54	7
	NUT	\$182.50	4.98	-
	MALE SUB	\$128.40	1.98	-
	FEMALE SUB W/ RING	\$187.00	2.58	-
	SEAL RING	\$11.30	-	-
2	UNION COMPLETE	\$331.70	13.00	6
	NUT	\$152.05	7.35	-
	MALE SUB	\$109.30	2.65	-
	FEMALE SUB W/ RING	\$158.80	3.00	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$562.85	22.40	3
	NUT	\$227.55	10.70	-
	MALE SUB	\$206.10	5.28	-
	FEMALE SUB W/ RING	\$301.85	6.42	-
	SEAL RING	\$14.70	-	-
4	UNION COMPLETE	\$757.40	33.82	3
	NUT	\$301.85	14.70	-
	MALE SUB	\$315.40	8.60	-
	FEMALE SUB W/ RING	\$416.75	10.52	-
	SEAL RING	\$15.80	-	-

FIGURE 1002
10,000 psi cwp - 15,000 psi test
butt-weld ends - SCHEDULE 160
red nut/blue subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$620.30	13.16	6
	NUT	\$152.05	7.35	-
	MALE SUB	\$251.15	3.44	-
	FEMALE SUB W/ RING	\$364.95	3.18	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$728.65	25.52	3
	NUT	\$227.55	10.70	-
	MALE SUB	\$286.10	7.70	-
	FEMALE SUB W/ RING	\$432.50	7.42	-
	SEAL RING	\$14.70	-	-
4	UNION COMPLETE	\$1,064.80	34.04	2
	NUT	\$301.85	14.70	-
	MALE SUB	\$492.15	9.36	-
	FEMALE SUB W/ RING	\$635.20	10.34	-
	SEAL RING	\$15.80	-	-

FIGURE 1002
10,000 psi cwp - 15,000 psi test
butt-weld ends - SCHEDULE XXH
red nut/blue subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$620.30	14.25	6
	NUT	\$152.05	7.35	-
	MALE SUB	\$251.15	3.50	-
	FEMALE SUB W/ RING	\$364.95	3.75	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$728.65	21.25	3
	NUT	\$227.55	10.70	-
	MALE SUB	\$286.10	5.75	-
	FEMALE SUB W/ RING	\$432.50	6.00	-
	SEAL RING	\$14.70	-	-
4	UNION COMPLETE	\$1,064.80	31.50	2
	NUT	\$301.85	14.70	-
	MALE SUB	\$492.15	9.00	-
	FEMALE SUB W/ RING	\$635.20	9.50	-
	SEAL RING	\$15.80	-	-



FIGURE 1502
15,000 psi cwp - 22,500 psi test
threaded ends - blue nut/red subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$356.05	19.46	4
	NUT	\$138.55	9.78	-
	MALE SUB	\$137.45	4.82	-
	FEMALE SUB W/ RING	\$183.60	4.86	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$874.60	30.48	2
	NUT	\$337.90	14.18	-
	MALE SUB	\$316.50	8.00	-
	FEMALE SUB W/ RING	\$486.55	8.30	-
	SEAL RING	\$14.70	-	-

FIGURE 1502
15,000 psi cwp - 22,500 psi test
butt weld ends - schedule XXH
blue nut/red subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$511.95	20.58	4
	NUT	\$138.55	9.78	-
	MALE SUB	\$230.90	5.32	-
	FEMALE SUB W/ RING	\$308.65	5.48	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$1,007.30	27.98	2
	NUT	\$337.90	14.18	-
	MALE SUB	\$384.05	6.96	-
	FEMALE SUB W/ RING	\$589.05	7.76	-
	SEAL RING	\$14.70	-	-

FIGURE 1502
15,000 psi cwp - 22,500 psi test
butt weld ends - schedule 160
blue nut/red subs

SIZE INCHES		PRICE	WEIGHT (LBS)	CARTON QTY.
2	UNION COMPLETE	\$380.70	20.06	-
	NUT	\$138.55	9.78	-
	MALE SUB	\$230.90	5.06	-
	FEMALE SUB W/ RING	\$308.65	5.22	-
	SEAL RING	\$10.15	-	-
3	UNION COMPLETE	\$749.05	27.81	-
	NUT	\$337.90	14.18	-
	MALE SUB	\$384.05	6.51	-
	FEMALE SUB W/ RING	\$589.05	7.12	-
	SEAL RING	\$14.70	-	-

HIGH SPEED FORGED STEEL UNIONS

FIGURE S-1A
3,000#
3,000 psi cwp - 4,500 psi test

SIZE INCHES	PRICE	WEIGHT (LBS)	CARTON QTY.
1	\$63.50	1.50	36
2	\$153.55	4.50	19
3	\$215.90	12.19	-

Female Threaded Ends

TRI-LUG HIGH SPEED UNION

FIGURE 3L-S1A
3,000#
3,000 psi cwp - 4,500 psi test

SIZE INCHES	PRICE	WEIGHT (LBS)	CARTON QTY.
1	\$116.40	2.15	30
1½	\$190.90	3.64	-
2	\$256.10	5.85	14

Tri-Lug with Female Threaded Ends



CATAWISSA QUICK REFERENCE CHART / STANDARD SERVICE

FIGURE NO.	CWP	TEST	API COLOR CODE		PIPE SIZE (INCHES)								
			SUB	NUT	1"	1¼"	1½"	2"	2½"	3"	4"	6"	8"
100	1,000	1,500	Yellow	Black									
200	2,000	3,000	Gray	Blue									
206	2,000	3,000	Gray	Blue									
211	2,000	3,000	Light Blue	Gray									
300	2,000	3,000	Yellow	Gray									
301	3,000	4,500	Green	Black									
400	4,000	6,000	Red	Black									
600	6,000	9,000	Silver	Black									
602	6,000	9,000	Orange	Black									
607	6,000	9,000	Silver	Yellow									
1002	10,000	15,000	Blue	Red									
1502	15,000	22,500	Red	Blue									

- NOTES -



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