



**Price List TP-111**  
**Trans-O-Con®**  
**Branch Connections**  
**Forged Carbon Steel**  
**ASME – SA 105 / ASTM A105**

**January 03, 2011**  
Replaces and supersedes any existing price list.



## The Phoenix Forge Group

*Commanding a Higher Standard<sup>sm</sup>*

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**Phoenix \* Capitol \* Camco**

**Butt-Weld Trans-O-Con®** Prices Each US \$ SA/A105 MSS-SP-97

Outlet Size In Inches	Standard Butt-Weld	Extra Strong Butt-Weld	XXS Butt-Weld	Schedule 160 Butt-Weld
¼	23.77	POA		
3/8	23.77	POA		
½	21.78	25.48	112.86	112.86
¾	22.98	26.12	115.32	115.32
1	24.02	27.24	121.21	121.21
1 1/4	31.12	POA	POA	POA
1 1/2	28.54	34.74	162.66	162.66
2	28.78	35.91	183.78	183.78
2 1/2	65.91	90.91	POA	POA
3	72.14	79.18	292.89	292.89
4	91.16	100.65	523.93	523.93
5	224.95	348.61	POA	POA
6	262.95	423.35	POA	POA
8	502.45	770.42	POA	POA
10	723.74	POA	POA	POA
12	1374.66	POA	POA	POA
14	POA	POA	POA	POA
16	POA	POA	POA	POA
18	POA	POA	POA	POA
20	POA	POA	POA	POA
24	POA	POA	POA	POA

Note: Flat and Size on Size - Price on Application.  
Outlets available up to 60".

**Threaded and Socket Trans-O-Con®** Prices Each US \$

Outlet Size	3000# Threaded	6000# Threaded	3000# Socket	6000# Socket
1/8	POA		POA	
1/4	POA		POA	
3/8	POA		POA	
½	10.52	19.27	13.05	23.04
¾	12.12	21.13	13.24	24.50
1	14.12	26.20	14.68	31.11
1 1/4	22.39	74.55	24.52	145.54
1 1/2	22.39	122.66	24.52	119.73
2	25.49	137.09	27.87	144.44
2 1/2	85.50	POA	122.11	POA
3	103.69	POA	164.89	POA
4	192.82	POA	244.43	POA
5	POA	POA	POA	POA
6	POA	POA	POA	POA

Note: Flat and Size on Size - Price on Application.  
9,000 lb. SW Trans-O-Con® - Price on Application.  
10,000 lb. Threaded Trans-O-Con® - Price on Application.

Access Mill Test Reports on our Web Site: [www.phoenixforge.com](http://www.phoenixforge.com) or [www.capitolcamco.com](http://www.capitolcamco.com)

**Elbow Trans-O-Con®**

Prices Each US \$

Outlet Size	STD/XS Butt-weld	3000# Threaded	3000# Socket	6000# Threaded	6000# Socket
¼		43.00	POA		
3/8		POA	POA		
½	75.81	37.98	57.13	82.81	88.91
¾	89.45	45.02	58.20	90.92	97.71
1	97.57	49.77	61.93	107.18	120.43
1 ¼	136.79	102.85	121.08	138.03	143.21
1 ½	159.46	110.16	130.31	144.98	161.34
2	182.08	123.89	145.19		

Note: Size on Size and short radius connections - Price on Application.  
 Sizes over 2" - Price on Application.

**Lateral Trans-O-Con®**

Prices Each US \$

Outlet Size	STD/XS Butt-weld	3000# Threaded	3000# Socket	6000# Threaded	6000# Socket
¼		POA	POA		
3/8		POA	POA		
½	POA	112.37	POA	POA	POA
¾	POA	114.50	POA	POA	POA
1	POA	122.71	POA	POA	POA
1 ¼	POA	POA	POA	POA	POA
1 ½	POA	222.62	POA	POA	POA
2	POA	425.23	POA		

Note: Size on Size and connections over 2" - Price on Application

**Nipple Trans-O-Con®**

(Nipple transition Pipe connections)

Prices Each US \$

Outlet Size	S/80 Plain End (3 1/2")	S/160 Plain End (3 1/2")	S/160 Threaded End (3 1/2")	XXS Threaded End (3 1/2")
½	131.11	162.89	153.49	162.89
¾	146.66	190.09	227.75	217.55
1	200.48	268.79	246.63	295.93
1 ¼	323.93	314.88	355.22	382.48
1 ½	374.67	409.37	356.06	415.22
2	378.44	424.48	380.82	505.43

Note: All connections 6 1/2" long and full sizes - Price on Application  
 Sizes over 1" through 4" outlet size and beveled outlets available - Price on Application.  
 Flat and Size on Size - Price on Application.

Materials: All fittings available in stainless and alloy materials.  
 Interchangeability of Sizes: TRANS-O-CON® Branch  
 Connections are manufactured to industry size consolidation.

## Additional Services:

1. Normalized Products
2. Stainless and Alloys
3. Custom Parts
4. Large Diameter Butt-Weld Trans-O-Con® are available to 60." Please Inquire on Availability and Price

## Warranty

ALL PHOENIX 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. TRANS-O-CON® 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.