



GROOVED FIRE PRODUCTS

Price Sheet SPF.GRFP-6.19 | Effective: June 3, 2019 | Cancels Price Sheet GR.FP-5.19 of May 6, 2019

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.

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 are available upon request.
- To obtain current ISO certifications, listings, and other approvals, visit Anvil's website at www.anvilintl.com.
- Pricing is subject to change without notice.

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.

CUSTOMER SERVICE CENTER

Tel: 800-301-2701

Fax: 708-534-5441

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www.anvilintl.com



GROOVED FIRE PRODUCTS *Price List*

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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 AFORESAID 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 (or death), property damage or other loss in a nuclear incident which is caused directly or indirectly by defective design, material, workmanship furnished 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 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 (non-engineered product) shipments of 2,500 pounds or more, rail freight or motor freight at the lowest published rates 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.

EXCEPTIONS: All Constant Supports, Spring Hangers, Sway Braces and all Engineered, Bundled assemblies are F.O.B. Plants, with No Freight Allowed.

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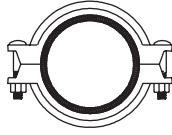
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Couplings / Flange Adapter



**FIG. C-1 (AMBIENT)
FLEXIBLE COUPLINGS**

Nominal Size (in)	Approx Weight EACH (lbs)	COUPLINGS COMPLETE								Box Quantity
		"A" GASKET				FLUSH "E" GASKET				
		Painted		Galvanized		Painted		Galvanized		
		ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea	
10	21.50	0890002884	\$441.39	0890008048	\$548.25	0890003007	POA	0890006760	POA	-
12	27.36	0890002892	\$537.41	0890008055	\$667.52	0890003015	POA	0890006778	POA	-

□ — Sold in box only

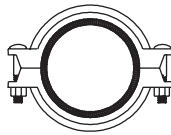
Standard Gasket



Flush Gasket



**FIG. C-3 (AMBIENT)
LW FLEXIBLE COUPLINGS**



Nominal Size (in)	Approx Weight EACH (lbs)	COUPLINGS COMPLETE											
		"A" Gasket						Flush "E" Gasket					
		Painted		Galvanized		Painted		Galvanized					
		ITEM#	Price Ea	Box Quantity	ITEM#	Price Ea	Box Quantity	ITEM#	Price Ea	Box Quantity	ITEM#	Price Ea	Box Quantity
1 ¼	1.25	0890012198	□ \$20.91	45	0890015605	\$25.55	45	0890011018	\$25.55	75	0890014459	\$29.43	75
1 ½	1.46	0890012206	\$21.68	45	0890015613	\$26.32	45	0890011026	\$26.32	60	0890014467	\$30.20	60
2	1.45	0890012214	\$25.55	42	0890015621	□ \$28.66	42	0890011034	□ \$27.88	50	0890014475	\$33.30	50
2 ½	1.98	0890012222	\$27.11	28	0890015639	\$32.53	28	0890011042	\$30.20	40	0890014483	\$37.95	40
3	2.58	0890012255	\$30.97	20	0890015662	\$37.95	20	0890011091	\$37.95	-	0890014491	\$43.38	-
4	4.14	0890012263	\$41.04	10	0890015670	\$49.55	10	0890011109	\$46.46	-	0890014517	\$56.53	-
6	7.00	0890012297	\$69.70	6	0890015688	\$82.86	6	0890011133	\$80.52	-	0890014541	\$97.58	-
8	13.00	0890012321	\$119.26	-	0890015761	\$143.27	-	0890011141	\$136.29	-	0890014558	\$164.17	-

□ — Sold in box only

Standard Gasket



Flush Gasket

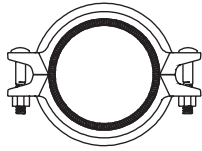




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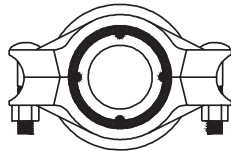
Couplings / Flange Adapter



**FIG. C-4 (AMBIENT)
RIGID COUPLINGS**

Nominal Size (in)	Approx Weight EACH (lbs)	COUPLINGS COMPLETE										Box Quantity
		"A" Gasket					Flush "E" Gasket					
		Painted		Galvanized		Painted		Galvanized				
ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea			
1 ¼	1.48	0890020357 □	\$20.91	0890023211	\$25.55	0890019185 □	\$25.55	0890023377	\$29.43	40		
1 ½	1.66	0890020365 □	\$21.68	0890023229	\$26.32	0890019193 □	\$26.32	0890023385	\$30.20	40		
2	1.83	0890020373 □	\$24.79	0890023237	\$28.66	0890019201 □	\$27.88	0890023393	\$33.30	30		
2 ½	2.04	0890020381 □	\$26.32	0890023245	\$32.53	0890019219 □	\$30.20	0890023401	\$37.95	28		
3	2.41	0890020415	\$30.97	0890023278	\$37.95	0890019243	\$37.95	0890023419	\$43.38	20		
4	3.17	0890020423	\$41.04	0890023286	\$48.78	0890019250	\$46.46	0890023427	\$56.53	10		
5	5.15	0890020431	\$67.37	0890023294	\$81.32	-	-	-	-	7		
6	5.84	0890020449	\$69.70	0890023310	\$82.86	0890019284	\$80.52	0890023443	\$97.58	6		
8	10.82	0890020472	\$119.26	0890023344	\$143.27	0890019318	\$136.29	0890023450	\$164.17	-		
10	21.50	0890020480	\$353.12	0890023351	\$422.81	-	-	-	-	-		
12	27.36	0890020498	\$432.87	0890023369	\$518.82	-	-	-	-	-		

□ — Sold in box only



**FIG. RC-2
REDUCING COUPLING**

Nominal Size (in)		Approx Weight EACH (lbs)	COUPLINGS COMPLETE WITH "E" GASKET				Box Quantity
Size 1	Size 2		Painted		Galvanized		
			ITEM#	Price Ea	ITEM#	Price Ea	
2	1 ½	2.90	0800130007 □	\$49.55	0800140006	\$73.58	24
2 ½	2	3.41	0800130023 □	\$65.04	0800140022	\$96.03	18
3	2	4.23	0800130049 □	\$73.58	0800140048	\$109.96	16
3	2 ½	3.79	0800130056 □	\$63.50	0800140063	\$92.93	16
4	2	7.07	0800130072 □	\$116.16	0800140105	\$171.91	8
4	2 ½	6.98	0800130080 □	\$102.98	0800140121	\$152.56	8
4	3	6.50	0800130106 □	\$97.58	0800140147	\$144.81	8
5	4	11.40	0800130148	POA	0800140188	POA	-
6	4	12.99	0800130189	\$196.68	0800140220	\$292.71	4
8	6	17.77	0800130247	\$293.49	0800140303	\$439.07	-

Note: Not recommended for Vacuum Service

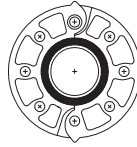
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Couplings / Flange Adapter

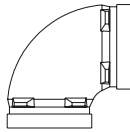


**FIG. F-3
GROOVED FLANGE ADAPTER**

Nominal Size (in)	Approx Weight EACH (lbs)	COMPLETE WITH EPDM GASKET					Box Quantity
		Painted		Galvanized			
		ITEM#	Price Ea	ITEM#	Price Ea		
2	3.20	0800170003	□ \$78.21	0800180002	\$109.96	12	
2 ½	4.60	0800170029	□ \$85.18	0800180028	\$120.04	10	
3	5.70	0800170045	□ \$141.71	0800180044	\$226.90	10	
4	7.90	0800170060	□ \$179.66	0800180085	\$295.03	8	
5	9.20	0800170102	\$320.60	0800180127	\$508.00	6	
6	10.00	0800170144	\$234.65	0800180168	\$411.19	-	
8	15.70	0800170185	\$303.55	0800180200	\$511.87	-	
10	47.00	0800170235	\$814.64	0800180259	\$1,138.33	-	
12	69.00	0800170276	\$1,510.79	0800180291	\$2,128.75	-	

□ — Sold in box only

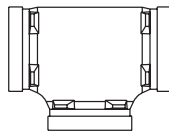
Fittings for Grooved-End Pipe (Short Body)



**FIG. SE-1
90° ELBOW**

Nominal Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized		Box Quantity
		ITEM#	Price Ea	ITEM#	Price Ea	
2	1.50	0890112865	□ \$27.11	0890112923	\$32.53	32
2 ½	2.14	0890112873	□ \$37.95	0890112931	\$44.91	18
3	3.60	0890112881	\$50.34	0890112949	\$60.40	10
4	5.78	0890112899	\$67.37	0890112956	\$80.52	6
6	11.78	0890112907	\$202.11	0890112964	\$241.60	2
8	21.10	0890112915	\$387.18	0890112972	\$463.85	-

□ — Sold in box only



**FIG. ST-1
STRAIGHT TEE**

Nominal Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized		Box Quantity
		ITEM#	Price Ea	ITEM#	Price Ea	
2	2.90	0890117310	\$41.81	0890117377	\$49.55	18
2 ½	4.60	0890117328	\$58.09	0890117385	\$68.92	12
3	6.90	0890117336	\$80.52	0890117393	\$97.58	6
4	10.90	0890117344	\$122.35	0890117401	\$147.13	4
6	25.00	0890117351	\$305.89	0890117419	\$367.83	-
8	42.10	0890117369	\$683.77	0890117427	\$820.07	-



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Fittings for Grooved-End Pipe

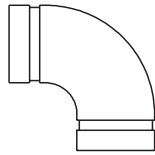


FIG. E-1
90° ELBOW (DUCTILE IRON)

Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted			Galvanized		Box Quantity
		ITEM#		Price Ea	ITEM#	Price Ea	
1 ¼	0.85	0890031867	□	\$26.32	0890032535	\$30.20	60
1 ½	0.90	0890031875	□	\$26.32	0890032543	\$30.20	50
2	1.55	0890031883	□	\$27.11	0890032550	\$31.74	28
2 ½	2.90	0890031909	□	\$38.72	0890032568	\$45.69	15
3	4.22	0890031933	□	\$54.98	0890032592	\$65.04	9
4	6.67	0890031958		\$75.88	0890032600	\$90.60	4
5	11.94	0890031966		\$209.08	0890032618	\$250.90	2
6	17.50	0890031974		\$206.76	0890032634	\$247.80	2
8	32.20	0890032006		\$411.19	0890032659	\$494.05	-
10	54.11	0890032014		\$1,214.20	0890032667	\$1,458.14	-
12	70.00	0890032030		\$2,023.44	0890032683	\$2,428.43	-

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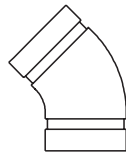


FIG. E-2
45° ELBOW (DUCTILE IRON)

Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted			Galvanized		Box Quantity
		ITEM#		Price Ea	ITEM#	Price Ea	
1 ¼	0.59	0890033186		\$24.79	0890033806	\$37.17	90
1 ½	0.78	0890033194	□	\$26.32	0890033814	\$37.17	60
2	1.02	0890033202	□	\$28.66	0890033822	\$41.04	36
2 ½	1.80	0890033210	□	\$38.72	0890033830	\$57.29	24
3	2.79	0890033236		\$51.89	0890033855	\$80.52	12
4	4.90	0890033244		\$73.58	0890033863	\$108.41	8
5	11.32	0890033251		\$206.76	0890033871	\$300.45	2
6	11.55	0890033269		\$202.11	0890033889	\$329.12	2
8	17.90	0890033285		\$400.35	0890033913	\$619.49	-
10	30.00	0890033293		\$1,139.88	0890033921	\$1,942.90	-
12	40.40	0890033301		\$1,518.54	0890033939	\$2,676.99	-

□ — Sold in box only

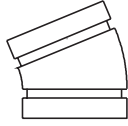


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Fittings for Grooved-End Pipe

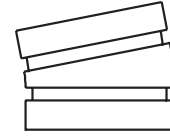
FIG. E-3*
22 1/2° ELBOW



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
1 1/4	0.80	0890034580	\$188.17	0890036353	\$245.47
1 1/2	0.70	0890034598	\$188.17	0890036361	\$245.47
2	1.60	0890034606	\$188.17	0890036379	\$245.47
2 1/2	2.10	0890034614	\$188.17	0890036387	\$245.47
3	3.10	0890034622	\$223.01	0890036395	\$333.75
4	5.40	0890034630	\$298.15	0890036403	\$445.27
5	7.80	0890034648	\$759.66	0890036411	\$1,138.33
6	8.30	0890034655	\$838.65	0890036429	\$1,252.93
8	17.90	0890034663	\$1,754.73	0890036437	\$2,622.01
10	30.00	0890034671	\$3,013.08	0890036445	\$3,935.35
12	40.40	0890034689	\$4,070.86	0890036452	\$5,027.21

* Segmentally welded.

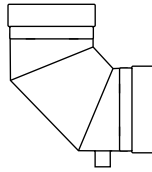
FIG. E-4*
11 1/4° ELBOW



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
1 1/4	0.50	0890037435	\$192.82	0890037617	\$245.47
1 1/2	0.70	0890037443	\$192.82	0890037625	\$245.47
2	0.90	0890037450	\$219.14	0890037633	\$341.49
2 1/2	1.50	0890037468	\$219.14	0890037641	\$341.49
3	2.00	0890037476	\$223.01	0890037658	\$341.49
4	3.30	0890037484	\$298.15	0890038201	\$445.27
5	5.00	0890037492	\$759.66	0890038219	\$1,134.46
6	6.50	0890037518	\$838.65	0890038235	\$1,509.26
8	10.00	0890037526	\$1,754.73	0890038243	\$2,645.24
10	14.50	0890037542	\$3,013.08	0890038227	\$3,980.25
12	29.30	0890037559	\$4,071.63	0890038250	\$5,027.21

* Segmentally welded.

FIG. E-9
90° DRAIN ELBOW



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
1 1/4	1.87	0890039704	\$212.18	0890040140	\$316.73
1 1/2	2.13	0890039696	\$212.18	0890040157	\$316.73
2	2.76	0890039712	\$212.18	0890040058	\$316.73
2 1/2	4.33	0890039605	\$199.01	0890040066	\$316.73
3	5.60	0890039738	\$230.76	0890040074	\$344.60
4	8.80	0890039746	\$260.19	0890040082	\$387.95
5	12.80	0890039811	\$371.69	0890040090	\$552.90
6	18.77	0890039761	\$408.09	0890040108	\$608.65
8	32.64	0890039779	\$614.08	0890040116	\$917.64
10	48.50	0890039787	\$1,438.78	0890040124	\$2,150.42
12	66.00	0890040041	\$2,213.14	0890040132	\$3,308.88

List pricing above is for 1" pol (standard).
E-9 is also available in 3/4" and 1/2" at same list price as 1" pol.

FIG. K-9
DRAIN CAP



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
1 1/4	0.71	0890119498	\$102.22	0890119985	\$144.81
1 1/2	0.76	0890119506	\$102.22	0890119993	\$144.81
2	0.83	0890119514	\$102.22	0890120009	\$144.81
2 1/2	1.06	0890119621	\$102.22	0890120017	\$144.81
3	1.27	0890119639	\$121.57	0890120025	\$169.59
4	2.92	0890119647	\$126.22	0890120033	\$178.88
5	3.40	0890119670	\$242.39	0890120066	\$340.72
6	4.02	0890119654	\$204.44	0890120041	\$288.08
8	6.66	0890119662	\$242.39	0890120058	\$340.72

List pricing above is for 1" pol (standard).
K-9 is also available in 3/4" and 1/2" at same list price as 1" pol.

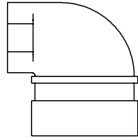


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Fittings for Grooved-End Pipe

**FIG. SE-5
REDUCING 90° ELBOW
GROOVE X THREAD**



Nominal Size (in)		Approx Weight EACH (lbs)	Painted			Box Quantity
Size 1	Size 2		ITEM#		Price Ea	
1 ¼	½	0.50	0890113913	☐	\$144.81	80
	¾	0.54	0890113921	☐	\$144.81	80
	1	0.60	0890113939	☐	\$144.81	80
1 ½	½	0.63	0890113947	☐	\$144.81	80
	¾	0.70	0890113954	☐	\$144.81	80
	1	0.80	0890113962	☐	\$144.81	80
2	½	0.84	0890113970	☐	\$151.01	50
	¾	0.93	0890113988	☐	\$158.75	50
	1	1.04	0890113996	☐	\$158.75	50
2 ½	½	1.18	0890114002	☐	\$153.32	36
	¾	1.30	0890114010	☐	\$172.68	36
	1	1.50	0890114028	☐	\$172.68	36
3	¾	2.20	0890114051	☐	\$206.76	24
	1	2.50	0890114077	☐	\$206.76	24

☐ — Sold in box only

**FIG. SK-1
CAP**



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted			Galvanized		
		ITEM#	Price Ea	Box Quantity	ITEM#	Price Ea	Box Quantity
1 ¼	0.31	0890118425	\$10.84	180	0890118532	\$13.94	250
1 ½	0.39	0890118433	\$13.94	150	0890118540	\$17.04	150
2	0.54	0890118441	\$15.49	100	0890118557	\$17.81	140
2 ½	0.75	0890118458	\$17.81	70	0890118565	\$22.46	70
3	1.23	0890118466	\$23.23	45	0890118573	\$27.88	45
4	1.96	0890118474	\$33.30	25	0890118581	\$41.81	25
5	5.52	0890118490	\$96.03	-	0890118599	\$113.83	-
6	4.58	0890118482	\$89.83	12	0890118615	\$107.64	15
8	6.00	0890118524	\$146.36	6	0890118623	\$174.25	6
10 *	21.00	0890051535	\$313.63	-	0890051774	\$464.62	-
12 *	35.50	0890051543	\$507.22	-	0890051782	\$747.27	-

* Sizes 10" and 12" are FIG. K-1 Design

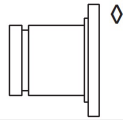


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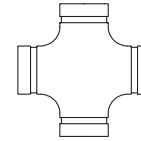
FIG. F-2*
FLANGE NIPPLE ANSI 150



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
2	6.20	0890088982	\$645.82	0890089162	\$967.97
2 ½	9.90	0890088990	\$1,136.00	0890089170	\$1,142.97
3	11.00	0890089006	\$1,193.30	0890089188	\$1,234.34
4	47.00	0890089071	\$1,414.01	0890089212	\$2,114.03
5	40.00	0890089089	\$1,703.61	0890089220	\$2,101.64
6	50.00	0890089097	\$1,783.39	0890089238	\$2,503.54
8	60.00	0890089105	\$2,230.95	0890089246	\$3,332.88
10	60.00	0890089113	\$3,493.96	0890089253	\$5,225.44
12	91.00	0890089121	\$4,780.95	0890089261	\$7,148.99

* Segmentally welded.
 ◊ Flange portion is 150# steel.
 Larger sizes available upon request.

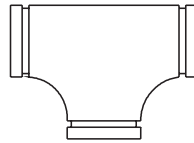
FIG. X-1*
STEEL CROSS



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted		Galvanized	
		ITEM#	Price Ea	ITEM#	Price Ea
1 ¼	2.00	0890050149	\$693.84	0890050339	\$926.92
1 ½	2.20	0890050164	\$693.84	0890050347	\$926.92
2	2.80	0890050172	\$693.84	0890050362	\$861.11
2 ½	3.30	0890050180	\$693.84	0890050370	\$861.11
3	4.50	0890050198	\$878.91	0890050388	\$1,086.45
4	6.60	0890050206	\$1,479.04	0890050396	\$1,814.36
5	9.30	0890050214	\$3,020.82	0890050404	\$3,627.15
6	14.50	0890050230	\$3,863.33	0890050420	\$4,690.36
8	28.50	0890050248	\$5,069.03	0890050438	\$6,298.72
10	40.50	0890050255	\$8,721.73	0890050446	\$10,737.41
12	57.00	0890050263	\$12,585.06	0890050453	\$15,607.43

* Segmentally welded steel.

FIG. T-1
STRAIGHT TEE (DUCTILE IRON)



Nominal Pipe Size (in)	Approx Weight EACH (lbs)	Painted			Galvanized		
		ITEM#	Price Ea	Box Quantity	ITEM#	Price Ea	Box Quantity
1 ¼	1.40	0890039837	\$30.97	40	0890041098	\$49.55	56
1 ½	1.46	0890039845	\$30.97	35	0890041106	\$49.55	35
2	2.18	0890039852	\$45.69	18	0890041114	\$68.14	18
2 ½	3.30	0890039860	\$61.95	9	0890041122	\$92.93	9
3	6.41	0890039886	\$82.86	5	0890041155	\$146.36	5
4	9.92	0890039894	\$130.09	2	0890041163	\$206.76	2
5	17.93	0890039902	\$368.60	-	0890041171	\$535.10	-
6	25.70	0890039910	\$344.60	-	0890041189	\$573.03	-
8	42.10	0890039944	\$742.62	-	0890041213	\$1,091.10	-
10	72.73	0890039951	\$1,708.27	-	0890041221	\$2,530.63	-
12	91.00	0890039969	\$2,907.76	-	0890041239	\$4,447.21	-

□ — Sold in box only



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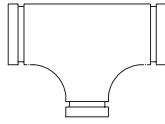


FIG. T-2
REDUCING TEE

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
2 × 2	1*	2.60	0890042336	\$525.02	0890043623	\$619.49
	1 ¼	3.00	0890042385	\$525.02	0890043631	\$619.49
	1 ½	3.00	0890042393	\$525.02	0890043649	\$619.49
2 ½ × 2 ½	1	4.40	0890042419	\$525.02	0890043656	\$619.49
	1 ¼	4.40	0890042427	\$525.02	0890043664	\$619.49
	1 ½	4.40	0890042435	\$525.02	0890043755	\$623.37
3 × 3	2*	4.40	0890042450	\$525.02	0890043763	\$623.37
	1	6.05	0890042468	\$566.06	0890043771	\$691.51
	1 ¼	6.05	0890042476	\$566.06	0890043813	\$691.51
	1 ½	6.05	0890042484	\$566.06	0890043789	\$691.51
	2	6.05	0890042500	\$566.06	0890043797	\$691.51
4 × 4	2 ½*	6.05	0890042518	\$566.06	0890043805	\$691.51
	1	10.98	0890042526	\$625.69	0890043821	\$779.02
	1 ¼	10.98	0890042534	\$625.69	0890043862	\$779.02
	1 ½	10.98	0890042559	\$625.69	0890043870	\$779.02
	2	10.98	0890042567	\$625.69	0890043839	\$779.02
5 × 5	2 ½*	12.28	0890042575	\$625.69	0890043847	\$779.02
	3*	11.99	0890042583	\$625.69	0890043854	\$779.02
	1	13.95	0890042591	\$1,341.98	0890043888	\$1,688.89
	1 ¼	13.95	0890042617	\$1,341.98	0890044589	\$1,688.89
	1 ½	13.95	0890042609	\$1,341.98	0890043896	\$1,688.89
	2	13.95	0890042716	\$1,341.98	0890043912	\$1,688.89
6 × 6	2 ½	13.95	0890042724	\$1,341.98	0890044563	\$1,688.89
	3	13.95	0890042732	\$1,341.98	0890043904	\$1,688.89
	4	13.95	0890042740	\$1,341.98	0890043920	\$1,688.89
	1	25.25	0890042757	\$1,476.73	0890043938	\$1,932.83
	1 ¼	25.25	0890042765	\$1,476.73	0890044597	\$1,932.83
	1 ½	25.25	0890042781	\$1,476.73	0890043953	\$1,932.83
	2*	23.54	0890042807	\$1,476.73	0890043946	\$1,932.83
	2 ½*	22.79	0890042864	\$1,476.73	0890043995	\$1,932.83
8 × 8	3*	24.95	0890042872	\$1,476.73	0890043961	\$1,932.83
	4*	24.20	0890042880	\$1,476.73	0890043979	\$1,932.83
	5*	25.39	0890042898	\$1,476.73	0890043987	\$1,932.83
	1 ½	42.16	0890042914	\$2,133.40	0890044001	\$2,581.74
	2	42.16	0890042922	\$2,133.40	0890044019	\$2,678.55
	2 ½	42.16	0890042948	\$2,133.40	0890044027	\$2,656.87
10 × 10	3	42.16	0890042930	\$2,133.40	0890044035	\$2,731.97
	4*	41.54	0890043011	\$3,082.76	0890044043	\$3,964.00
	5	24.80	0890043029	\$3,082.76	0890044050	\$3,992.66
	6*	39.51	0890043045	\$3,082.76	0890044068	\$4,007.37
10 × 10	2	69.25	0890043060	\$3,714.66	0890044084	\$4,632.28
	2 ½	69.25	0890043078	\$3,714.66	0890044092	\$4,659.39
	3	69.25	0890043086	\$3,714.66	0890044100	\$4,725.98
	4	69.25	0890043094	\$3,881.15	0890044118	\$4,939.71
	5	69.25	0890043102	\$3,969.43	0890044126	\$5,043.47
	6	69.25	0890043276	\$3,969.43	0890044142	\$5,107.75
	8	69.25	0890043284	\$4,040.66	0890044134	\$5,304.44



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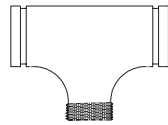
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**FIG. T-2
REDUCING TEE (Continued)**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
12 × 12	3	100.00	0890043326	\$5,000.10	0890044183	\$6,369.21
	4	101.60	0890043334	\$5,358.64	0890044191	\$6,849.31
	5	100.00	0890043342	\$5,664.53	0890044233	\$7,323.98
	6	100.00	0890043359	\$5,731.90	0890044209	\$7,392.90
	8	100.00	0890043375	\$5,892.95	0890044217	\$7,563.27
	10*	101.60	0890043383	\$6,166.30	0890044225	\$7,915.61

* Ductile iron, all others segmentally welded.



**FIG. T-3 REDUCING TEE
W/ THREADED BRANCH**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
2 × 2	¾*	2.68	0890047483	\$555.22	0890048200	\$648.92
	1*	3.00	0890047491	\$555.22	0890048218	\$648.92
	1 ¼	3.00	0890047400	\$555.22	0890048226	\$648.92
	1 ½	3.00	0890047418	\$555.22	0890048234	\$648.92
2 ½ × 2 ½	1	4.40	0890047517	\$555.22	0890048309	\$648.92
	1 ¼	4.40	0890047525	\$555.22	0890048317	\$648.92
	1 ½	4.40	0890047533	\$555.22	0890048325	\$648.92
	2	4.40	0890047541	\$555.22	0890048390	\$648.92
3 × 3	1*	6.47	0890047566	\$641.95	0890048408	\$751.92
	1 ¼	6.05	0890047574	\$641.95	0890048416	\$751.92
	1 ½*	6.27	0890047582	\$641.95	0890048457	\$751.92
	2	6.05	0890047590	\$641.95	0890048465	\$751.92
	2 ½	6.05	0890047608	\$641.95	0890048481	\$751.92
4 × 4	1*	10.47	0890047616	\$693.07	0890048499	\$892.85
	1 ¼	10.98	0890047624	\$693.07	0890048507	\$892.85
	1 ½	10.98	0890047632	\$693.07	0890048515	\$892.85
	2	10.98	0890047657	\$693.07	0890048572	\$892.85
	2 ½	10.98	0890047665	\$693.07	0890048580	\$892.85
	3	10.98	0890047673	\$693.07	0890048606	\$892.85
5 × 5	1	13.95	0890047681	\$1,237.43	0890048614	\$1,553.39
	1 ¼	13.95	0890047699	\$1,237.43	0890048754	\$1,553.39
	2	13.95	0890047715	\$1,237.43	0890048630	\$1,553.39
	2 ½	32.95	0890047723	\$1,237.43	0890048648	\$1,553.39
	3	13.95	0890047731	\$1,237.43	0890048655	\$1,553.39
	4	13.95	0890047764	\$1,237.43	0890048663	\$1,553.39
6 × 6	1	25.25	0890047749	\$1,739.24	0890048671	\$2,158.17
	1 ¼	25.25	0890047772	\$1,739.24	0890048762	\$2,158.17
	1 ½	25.25	0890047756	\$1,739.24	0890048697	\$2,158.17
	2	25.25	0890047780	\$1,739.24	0890048689	\$2,158.17
	2 ½	26.50	0890047798	\$1,739.24	0890048747	\$2,158.17
	3	25.25	0890047806	\$1,739.24	0890048705	\$2,158.17
	4	25.25	0890047822	\$1,739.24	0890048713	\$2,158.17
	5	25.25	0890047830	\$1,739.24	0890048721	\$2,158.17

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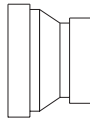
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Fittings for Grooved-End Pipe

**FIG. T-3 REDUCING TEE
W/ THREADED BRANCH (Continued)**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
8 × 8	1 ½	42.16	0890047855	\$2,133.40	0890048739	\$2,593.38
	2	42.16	0890047863	\$2,133.40	0890048804	\$2,731.97
	2 ½	42.16	0890047871	\$2,133.40	0890048812	\$2,707.97
	3	42.16	0890047889	\$2,133.40	0890048820	\$2,731.97
	4	42.16	0890047897	\$3,082.76	0890048838	\$3,964.00
	5	42.16	0890047905	\$3,082.76	0890048846	\$3,992.66
	6	42.16	0890047913	\$3,082.76	0890048853	\$4,007.37
10 × 10	1 ½	69.25	0890047921	\$3,713.88	0890048861	\$4,585.04
	2	69.25	0890047939	\$3,713.88	0890048879	\$4,585.04
	2 ½	69.25	0890047947	\$3,713.88	0890048887	\$4,585.04
	3	69.25	0890047954	\$3,713.88	0890048895	\$4,585.04
	4	69.25	0890047962	\$3,969.43	0890048903	\$5,107.75
	5	69.25	0890047970	\$3,969.43	0890048911	\$5,107.75
	6	69.25	0890047988	\$3,969.43	0890048929	\$5,107.75
12 × 12	8	69.25	0890047996	\$3,969.43	0890048937	\$5,107.75
	2	100.00	0890048010	\$5,000.10	0890048952	\$6,427.27
	2 ½	100.00	0890048028	\$5,000.10	0890048960	\$6,427.27
	3	100.00	0890048036	\$5,000.10	0890048978	\$6,427.27
	4	100.00	0890048044	\$5,357.09	0890048986	\$6,849.31
	5	100.00	0890048051	\$5,357.09	0890048994	\$7,324.76
	6	100.00	0890048069	\$5,731.90	0890049000	\$7,392.90
	8	100.00	0890048077	\$5,892.95	0890049018	\$7,563.27
	10	100.00	0890048085	\$6,166.30	0890049026	\$7,574.89

* Ductile iron, all others segmentally welded.



**FIG. R-1
CONCENTRIC REDUCER**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
1 ¼	1	0.85	0890054034	\$193.60	0890055551	\$224.57
1 ½	1	0.73	0890054042	\$193.60	0890055569	\$224.57
	1 ¼	0.95	0890054059	\$193.60	0890055577	\$224.57
2	1*	0.80	0890054067	\$193.60	0890055593	\$224.57
	1 ¼*	1.00	0890054075	\$193.60	0890055601	\$224.57
	1 ½*	1.00	0890054083	\$193.60	0890055619	\$224.57
2 ½	1	1.50	0890054091	\$193.60	0890055627	\$224.57
	1 ¼	1.50	0890054117	\$193.60	0890055635	\$224.57
	1 ½	1.50	0890054125	\$193.60	0890055742	\$224.57
	2*	1.91	0890054133	\$193.60	0890055759	\$224.57
3	1	2.35	0890054141	\$212.18	0890055775	\$256.31
	1 ¼	2.35	0890054158	\$212.18	0890055783	\$256.31
	1 ½	2.35	0890054166	\$212.18	0890055809	\$256.31
	2*	2.35	0890054174	\$212.18	0890055817	\$256.31
	2 ½*	2.35	0890054182	\$212.18	0890055825	\$256.31



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Fittings for Grooved-End Pipe

**FIG. R-1
CONCENTRIC REDUCER (Continued)**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
4	1	3.21	0890054190	\$224.57	0890055833	\$278.00
	1 ¼	3.21	0890054208	\$224.57	0890055841	\$278.00
	1 ½ *	3.21	0890054216	\$224.57	0890055858	\$278.00
	2*	2.51	0890054224	\$224.57	0890055866	\$278.00
	2 ½	3.21	0890054232	\$280.34	0890056013	\$341.49
	3*	2.55	0890054240	\$280.34	0890056021	\$341.49
	3 ½	4.84	0890054257	\$280.34	0890055882	\$341.49
5	1	4.84	0890054273	\$391.84	0890056039	\$488.62
	1 ¼	4.84	0890054299	\$391.84	0890056120	\$488.62
	1 ½	4.84	0890054281	\$391.84	0890056047	\$488.62
	2	4.84	0890054356	\$391.84	0890056054	\$488.62
	2 ½	4.84	0890054364	\$391.84	0890056062	\$488.62
	3	4.84	0890054372	\$391.84	0890056070	\$488.62
	4	4.84	0890054380	\$391.84	0890056088	\$488.62
6	1	7.50	0890054398	\$518.82	0890056096	\$643.51
	1 ½	7.50	0890054406	\$518.82	0890056104	\$643.51
	2*	6.34	0890054471	\$518.82	0890056112	\$643.51
	2 ½ *	5.10	0890054489	\$518.82	0890056351	\$643.51
	3*	7.50	0890054497	\$518.82	0890056369	\$643.51
	4*	7.50	0890054505	\$518.82	0890056385	\$830.13
	5	7.50	0890054513	\$667.52	0890056393	\$830.13
8	1 ½	9.07	0890054521	\$926.15	0890056401	\$1,163.11
	2	9.07	0890054539	\$926.15	0890056419	\$1,163.11
	2 ½	9.07	0890054620	\$926.15	0890056427	\$1,163.11
	3*	9.15	0890054638	\$926.15	0890056435	\$1,163.11
	4*	9.07	0890054646	\$926.15	0890056567	\$1,163.11
	5	9.07	0890054653	\$926.15	0890056575	\$1,163.11
	6*	9.07	0890054661	\$1,178.59	0890056591	\$1,468.99
10	1 ½	16.38	0890054679	POA	0890056609	POA
	2	16.38	0890054687	POA	0890056617	POA
	2 ½	16.38	0890054695	POA	0890056625	POA
	3	16.38	0890054703	POA	0890056633	POA
	4	16.38	0890054810	\$2,198.43	0890056641	\$2,696.36
	5	16.38	0890054828	\$4,840.58	0890056658	\$5,499.59
	6	16.38	0890054836	\$2,402.88	0890056807	\$2,985.20
12	8*	23.10	0890054844	\$2,402.88	0890056815	\$3,035.54
	1	19.00	0890054851	POA	0890056823	POA
	2	19.00	0890054869	POA	0890056831	POA
	2 ½	19.00	0890054877	POA	0890056849	POA
	3	19.00	0890054885	POA	0890056856	POA
	4	19.00	0890054893	\$4,303.94	0890056864	\$5,060.52
	5	19.00	0890054901	\$4,303.94	0890056872	\$5,060.52
	6	19.00	0890055049	\$4,303.94	0890057086	\$5,060.52
	8	19.00	0890055056	\$4,303.94	0890057094	\$5,060.52
	10	19.00	0890055064	\$4,303.94	0890057102	\$5,060.52

* Ductile iron
Segmentally welded through 4 x 3 unless *Ductile Iron.
Forged Steel 5 x 1 and larger unless *Ductile Iron.

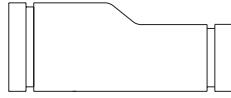


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Fittings for Grooved-End Pipe

**FIG. R-2
ECCENTRIC REDUCER**



Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
1 ¼	1	1.25	0890061906	\$789.87	0890063761	\$922.28
1 ½	1	1.30	0890061914	\$789.87	0890063779	\$922.28
	1 ¼	1.30	0890061922	\$773.59	0890063787	\$890.54
2	1	1.40	0890061930	\$872.71	0890063795	\$976.48
	1 ¼	1.00	0890061955	\$957.12	0890063811	\$1,050.05
2 ½	1 ½	1.00	0890061963	\$800.70	0890063837	\$921.51
	1	1.50	0890061997	\$2,470.25	0890063845	\$3,359.22
	1 ¼	1.50	0890061971	\$1,200.28	0890063852	\$1,355.92
	1 ½	1.50	0890061989	\$800.70	0890063860	\$1,082.56
3	2	1.50	0890062011	\$801.48	0890063829	\$1,169.30
	1	2.35	0890062029	\$2,645.24	0890063886	\$3,876.50
	1 ¼	2.35	0890062045	\$2,364.15	0890063894	\$2,198.43
	1 ½	2.35	0890062052	\$1,100.37	0890063910	\$1,279.26
4	2	2.35	0890062060	\$1,036.89	0890063878	\$1,518.54
	2 ½ *	2.35	0890062078	\$1,036.89	0890063928	\$1,518.54
	1	3.00	0890062086	\$5,310.62	0890063936	\$7,222.54
	1 ¼	3.21	0890062094	\$5,310.62	0890063944	\$7,222.54
	1 ½	3.21	0890062169	\$2,714.17	0890063902	\$2,917.81
	2	3.21	0890062177	\$2,628.99	0890063969	\$3,577.59
5	2 ½	3.21	0890062185	\$1,036.89	0890063977	\$1,405.50
	3*	3.21	0890062193	\$1,036.89	0890063951	\$1,410.90
	1	4.84	0890062219	POA	0890063985	POA
	1 ½	4.84	0890062227	POA	0890063993	POA
	2	4.84	0890062334	\$5,016.37	0890064025	\$6,823.76
	2 ½	4.84	0890062342	\$2,550.00	0890064033	\$2,735.85
6	3	4.84	0890062359	\$2,464.05	0890064041	\$2,734.30
	4	4.84	0890062375	\$1,939.02	0890064058	\$2,638.28
	1	6.00	0890062383	\$4,650.09	0890064066	\$5,025.66
	1 ½	7.50	0890062391	POA	0890064074	POA
	2	7.50	0890062409	\$4,241.22	0890064082	\$4,596.67
	2 ½	7.50	0890062524	\$4,712.06	0890064090	\$5,473.24
	3	7.50	0890062532	\$2,428.43	0890064009	\$3,535.01
8	4*	7.50	0890062557	\$1,994.01	0890064017	\$2,711.85
	5	7.50	0890062565	\$1,593.65	0890064116	\$2,169.80
	1 ½	9.07	0890062573	POA	0890064124	POA
	2	9.07	0890062581	POA	0890064132	POA
	2 ½	9.07	0890062599	POA	0890064140	POA
	3	9.07	0890062607	\$4,927.31	0890064157	\$5,192.16
10	4	9.07	0890062755	\$4,306.27	0890064165	\$4,887.82
	5	9.07	0890062763	\$4,008.91	0890064173	\$4,585.04
	6	9.07	0890062771	\$1,732.27	0890064108	\$2,347.90
	1 ½	16.38	0890062789	POA	0890064181	POA
	2	16.38	0890062797	POA	0890064199	POA
	2 ½	16.38	0890062805	POA	0890064207	POA
	3	16.38	0890062813	POA	0890064215	POA
10	4	16.38	0890062821	\$7,900.13	0890064223	\$9,431.06
	5	16.38	0890062839	\$7,441.68	0890064231	\$8,717.85
	6	16.38	0890062847	\$5,612.63	0890064322	\$6,622.41
	8	16.38	0890063019	\$4,751.54	0890064330	\$5,880.56

Revised: _____



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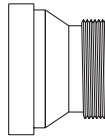
Fittings for Grooved-End Pipe

**FIG. R-2
ECCENTRIC REDUCER (Continued)**

Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
12	1	19.00	0890063027	POA	0890064348	POA
	2	19.00	0890063035	POA	0890064355	POA
	2 ½	19.00	0890063043	POA	0890064363	POA
	3	19.00	0890063050	POA	0890064371	POA
	4	19.00	0890063068	\$8,650.48	0890064389	\$12,071.65
	5	19.00	0890063076	\$7,152.08	0890064397	\$10,020.34
	6	19.00	0890063225	\$7,497.45	0890064405	\$8,987.34
	8	19.00	0890063233	\$7,306.18	0890064413	\$8,703.91
	10	19.00	0890063241	\$6,543.43	0890064421	\$7,723.56

* Ductile iron, all others segmentally welded.

**FIG. R-3
CONCENTRIC REDUCER
GROOVE X THREAD**



Nominal Size (in)		Approx Weight EACH (lbs)	Painted		Galvanized	
Size 1	Size 2		ITEM#	Price Ea	ITEM#	Price Ea
1 ¼	1	0.95	0890059298	\$190.50	0890060239	\$235.41
1 ½	1	0.95	0890059306	\$190.50	0890060247	\$235.41
	1 ¼	0.95	0890059314	\$190.50	0890060312	\$235.41
2	1*	1.00	0890059330	\$190.50	0890060254	\$235.41
	1 ¼*	1.00	0890059348	\$190.50	0890060262	\$235.41
	1 ½*	0.79	0890059363	\$190.50	0890060270	\$235.41
2 ½	1	1.50	0890059371	\$284.96	0890060288	\$336.08
	1 ¼	1.50	0890059389	\$284.96	0890060296	\$336.08
	1 ½	1.50	0890059397	\$284.96	0890060304	\$336.08
	2	1.50	0890059405	\$190.50	0890060320	\$336.08
3	1*	2.35	0890059421	\$209.08	0890060338	\$281.09
	1 ¼	2.35	0890059439	\$209.08	0890060353	\$281.09
	1 ½	2.35	0890059447	\$236.19	0890060346	\$281.09
	2*	2.35	0890059462	\$236.19	0890060361	\$281.09
	2 ½	2.35	0890059496	\$284.96	0890060379	\$336.08
4	1*	3.21	0890059553	\$270.26	0890060486	\$353.88
	1 ¼	3.21	0890059603	\$270.26	0890060502	\$353.88
	1 ½	3.21	0890059579	\$270.26	0890060494	\$353.88
	2	3.21	0890059587	\$285.74	0890060510	\$353.88
	2 ½	3.21	0890059595	\$289.60	0890060528	\$353.88
5	4	4.84	0890059678	\$2,024.99	0890060544	\$2,192.25
6	1	6.00	0890059694	\$550.57	0890060551	\$672.92
	1 ¼	6.00	0890059736	\$550.57	0890060569	\$672.92
	1 ½	6.00	0890059744	\$550.57	0890060577	\$672.92
	2	7.50	0890059702	\$550.57	0890060650	\$672.92
	3	7.50	0890059710	\$550.57	0890060668	\$672.92
	4*	7.50	0890059728	\$550.57	0890060676	\$672.92

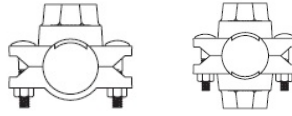


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Mechanical Branch Tees

**FIG. MT-1
THREADED MECHANICAL BRANCH TEE*****

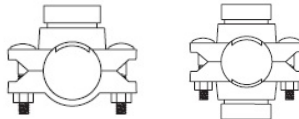


Nominal Size (in)		Approx Weight EACH (lbs)	Painted			Galvanized		Box Quantity
Size 1	Size 2		ITEM#		Price Ea	ITEM#	Price Ea	
2	1	1.70	0890071020	<input type="checkbox"/>	\$56.13	0890071236	\$82.56	22
	1 ¼	1.70	0890071038	<input type="checkbox"/>	\$56.13	0890071244	\$82.56	22
	1 ½	1.70	0890071046	<input type="checkbox"/>	\$56.13	0890071269	\$82.56	22
2 ½	1	3.60	0890071053	<input type="checkbox"/>	\$60.27	0890071277	\$99.89	16
	1 ¼	3.60	0890071061	<input type="checkbox"/>	\$66.86	0890071285	\$99.89	16
	1 ½	3.60	0890071079	<input type="checkbox"/>	\$64.40	0890071293	\$99.89	16
3	1	3.80	0890071087	<input type="checkbox"/>	\$71.00	0890071301	\$104.83	10
	1 ¼	3.30	0890071095	<input type="checkbox"/>	\$72.65	0890071319	\$104.83	10
	1 ½	3.80	0890071103	<input type="checkbox"/>	\$72.65	0890071335	\$104.83	10
4	2	4.40	0890071111	<input type="checkbox"/>	\$81.72	0890071343	\$119.70	10
	1	4.60	0890071129	<input type="checkbox"/>	\$82.56	0890071350	\$120.52	7
	1 ¼	4.60	0890071137	<input type="checkbox"/>	\$82.56	0890071368	\$120.52	7
	1 ½	4.60	0890071145	<input type="checkbox"/>	\$85.86	0890071376	\$120.52	7
	2	4.80	0890071152	<input type="checkbox"/>	\$89.98	0890071384	\$132.91	6
5	2 ½	5.40	0890071160	<input type="checkbox"/>	\$89.98	0890071392	\$132.91	6
	1 ½	7.40	0890071178	<input type="checkbox"/>	\$104.83	0890071400	\$154.36	4
	2	7.90	0890071186	<input type="checkbox"/>	\$104.83	0890071418	\$154.36	4
6	2 ½	7.90	0890071194	<input type="checkbox"/>	\$110.62	0890071426	\$163.46	4
	1 ½	7.50	0890071202	<input type="checkbox"/>	\$106.49	0890071517	\$158.49	4
	2	8.00	0890071210	<input type="checkbox"/>	\$106.49	0890071525	\$158.49	4
	2 ½	8.00	0890071228	<input type="checkbox"/>	\$116.39	0890071541	\$170.89	3

*** All MT-1 branches can be used as mechanical crosses, increase price of largest outlet by 50%.

— Sold in box only

**FIG. MT-2
GROOVED MECHANICAL BRANCH TEE*****



Nominal Size (in)		Approx Weight EACH (lbs)	Painted			Galvanized		Box Quantity
Size 1	Size 2		ITEM#		Price Ea	ITEM#	Price Ea	
3	1 ½	3.80	0890073075	<input type="checkbox"/>	\$71.00	0890073471	\$104.83	10
	2	4.40	0890073042	<input type="checkbox"/>	\$81.72	0890073489	\$119.70	10
4	1 ½	4.60	0890073059	<input type="checkbox"/>	\$85.86	0890073497	\$127.12	7
	2	4.80	0890073067	<input type="checkbox"/>	\$89.98	0890073505	\$132.91	7
	2 ½	5.40	0890073083	<input type="checkbox"/>	\$88.33	0890073513	\$132.08	6
5	3	7.60	0890073117	<input type="checkbox"/>	\$96.59	0890073521	\$141.17	6
	2	7.90	0890073125	<input type="checkbox"/>	\$116.39	0890073539	\$170.89	4
	2 ½	7.90	0890073133	<input type="checkbox"/>	\$116.39	0890073547	\$170.89	4
6	1 ½	8.00	0890073166	<input type="checkbox"/>	\$114.75	0890073737	\$169.23	4
	2	8.00	0890073174	<input type="checkbox"/>	\$116.39	0890073752	\$170.89	4
	2 ½	8.00	0890073182	<input type="checkbox"/>	\$116.39	0890073760	\$170.89	4
	3	9.70	0890073216	<input type="checkbox"/>	\$122.18	0890073778	\$170.89	3
	4	13.60	0890073224	<input type="checkbox"/>	\$134.55	0890073851	\$200.59	3

*** All MT-2 branches can be used as mechanical crosses, increase price of largest outlet by 50%.

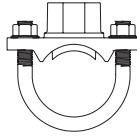
— Sold in box only



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Mechanical Branch Tees



**FIG. MT-30
THREADED MECHANICAL BRANCH TEE**

Nominal Size (in)		Approx Weight EACH (lbs)		COMPLETE		Box Quantity
Size 1	Size 2			Plated		
				ITEM#	Price Ea	
1 ¼	½	0.83	□	0890123151	\$27.24	50
	¾	0.87	□	0890123169	\$27.24	50
	1	1.06	□	0890123177	\$28.06	50
1 ½	½	0.64	□	0890123185	\$28.06	50
	¾	0.93	□	0890123193	\$28.06	50
	1	0.96	□	0890123201	\$28.06	50
2	½	0.84	□	0890123219	\$29.72	45
	¾	0.95	□	0890123227	\$29.72	45
	1	1.05	□	0890123235	\$29.72	45
2 ½	½	0.89	□	0890123243	\$33.03	40
	¾	0.95	□	0890123250	\$33.03	40
	1	1.12	□	0890123268	\$33.03	40

Note: BSPT equivalent is available as MT-90.
□ — Sold in box only

Spare Parts / Lubricants

Plated Trackhead Bolts and Nuts for Couplings

Size 1 (in)	Size 2 (in)	ITEM#	Price Ea
⅜	2	0890807209	\$27.88
⅜	2 ¼	0890806664	\$27.88
⅜	2 ½	0890806672	\$41.04
½	2 ¾	0890807225	\$30.97
½	3	0890807233	\$28.66
½	3 ¼	0890807241	POA
½	3 ½	0890807357	\$43.38
⅝	2 ¾	0890807365	\$36.40
⅝	3 ¼	0890807258	\$37.95
⅝	3 ½	0890807266	\$39.49
⅝	4	0890806680	POA
⅝	4 ¼	0890807373	\$50.34
¾	4 ¼	0890807274	\$78.21
¾	4 ½	0890807381	\$78.21
⅞	5	0890807282	\$78.21
⅞	5 ½	0890807290	\$92.16

C-1, C-3, C-4 & F-3 Gaskets

Nominal Size (in)	E Type A Gasket		C-1, C-3, C-4 Flush Gap Gasket		F-3 "E" Gasket	
	ITEM#	Price Ea	ITEM#	Price Ea	ITEM#	Price Ea
1 ¼	0890800766	\$18.58	-	-	-	-
1 ½	0890800808	\$18.58	0890800071	\$123.13	-	-
2	0890800840	\$19.37	0890800113	\$124.67	0890800451	\$26.32
2 ½	0890800857	\$21.68	0890800147	\$152.56	0890800469	\$27.88
3	0890800865	\$26.32	0890800170	\$152.56	0890800477	\$34.07
4	0890800873	\$34.85	0890800212	\$204.44	0890800485	\$45.69
5	0890800881	POA	0890800832	POA	-	-
6	0890800899	\$60.40	0890800261	\$368.60	0890800493	\$78.21
8	0890800907	\$92.16	0890800295	\$381.00	0890800501	\$123.13
10	0890800915	\$269.48	-	-	0890800519	\$358.54
12	0890800980	\$350.80	-	-	0890800527	\$467.72



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Spare Parts / Lubricants

RC-2 Gaskets

Nominal Size (in)		ITEM#	Price Ea
Size 1	Size 2		
2	1 ½	0890813009	\$36.40
2 ½	2	0890813017	\$45.69
3	2	0890813033	\$52.65
3	2 ½	0890813041	\$45.69
4	2	0890813066	\$82.09
4	2 ½	0890813074	\$73.58
4	3	0890813090	\$68.92
5	4	0890813116	POA
6	4	0890813132	\$139.38
8	6	0890813280	\$208.31

STANDARD LUBRICANT

Size	ITEM#	Price Ea
2 lb Tub	0390163046	\$286.20
5 gal Pail	0390163053	\$2,394.92

XTREME LUBRICANT (SILICONE)

Size	ITEM#	Price Ea
10 oz Tube	0390162881	\$144.24
2.2 lb Tub	0390163103	\$497.99

STANDARD LUBRICANT USAGE GUIDE		
SIZE OF GASKET	NUMBER OF GASKETS	
	PER TUBE	PER QUART
2"	55	400
3"	45	300
4"	25	200
6"	20	130
8"	15	100
10"	10	85
12"	9	60
14"	7	50
16"	6	40
18"	5	35
20"	4	30
24"	3	20

XTREME LUBRICANT USAGE GUIDE	
SIZE OF GASKET	NUMBER OF GASKETS PER QUART
	2"
3"	900
4"	600
6"	390
8"	300
10"	255
12"	180
14"	150
16"	120
18"	105
20"	90
24"	60

Numerical Index

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