



# Schumacher

IRRIGATION  
2022



**Agricultural Irrigation Products Catalog**



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## CLAIMS

Claims for shortages, defective or damaged goods must be made within five (5) days from receipt of shipment.

Damages occurring "in transit" are the responsibility of the freight company and should be noted on the bill of lading when the shipment is received. Submit a claim directly to the carrier as soon as possible.

## RETURNS AND CANCELLATIONS

Merchandise may be returned only at the option of SCHUMACHER IRRIGATION, INC. Merchandise authorized for return

- 1) must be returned freight prepaid,
- 2) must be in new re-saleable condition, and
- 3) is subject to a 15% restocking charge
- 4) custom-built fittings cannot be returned, unless approved by a Schumacher representative

Credit will be issued to your account when the items are received back at our office.

Orders may be canceled at the option of SCHUMACHER IRRIGATION, INC. If the request is received prior to shipment. **Nonstandard/Custom-built** items may not be canceled without substantial penalty after material is "in process of manufacture."

## GUARANTEE

All products are guaranteed against defect due to faulty workmanship or material. This guarantee is void when merchandise is used for purposes other than that for which it was designed or if improper pressures are maintained.

## LIABILITY

SCHUMACHER IRRIGATION, INC. is not responsible for delays and losses beyond our control or for losses or damages due to application of equipment for uses other than that for which it is designed or for operation under pressures not recommended. Suitability of the merchandise for the job for which it is sold is the sole responsibility of the buyer regardless of advise or recommendations by the seller. SCHUMACHER IRRIGATION, INC. assumes no responsibility for system design or for any damages or losses due to lack of minimum water requirements for crops being irrigated with SCHUMACHER IRRIGATION, INC. equipment.

## CONTACT



Schumacher Irrigation, Inc.  
205 4th Street  
PO Box 289  
Platte Center, NE 68653  
USA

Phone: 402-246-3685  
Toll Free: 800-246-3685  
Fax: 402-246-2072  
Email: [irrigate@schumacherirrigation.com](mailto:irrigate@schumacherirrigation.com)  
Website: [www.schumacherirrigation.com](http://www.schumacherirrigation.com)



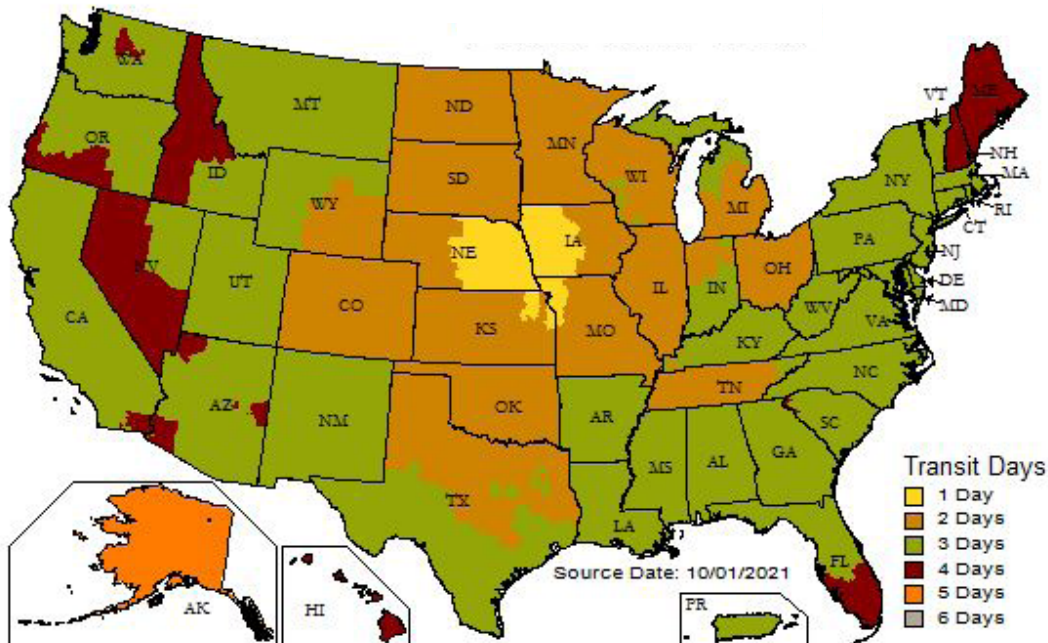
## BILLING AND LATE CHARGES

All payments are due on the 10th of the following month from the date of the invoice. Account statements are sent at the end of each month. After 30 days the principal is subject to an annual finance charge of 18%.

## FREIGHT

- All prices are F.O.B. Platte Center, Nebraska.
- Standard items are usually shipped the same day the order is received.
- Shipments via UPS, Speedee, ASAP Express and FedEx are shipped prepaid and the freight charge is added to your order.
- Shipments via common carrier are shipped freight collect.
- Freight charges on pipe delivered by our driver: \$3.00 per loaded mile.
- Deliveries by car / pickup without trailer are \$1.00 per loaded mile.

### UPS Delivery Map



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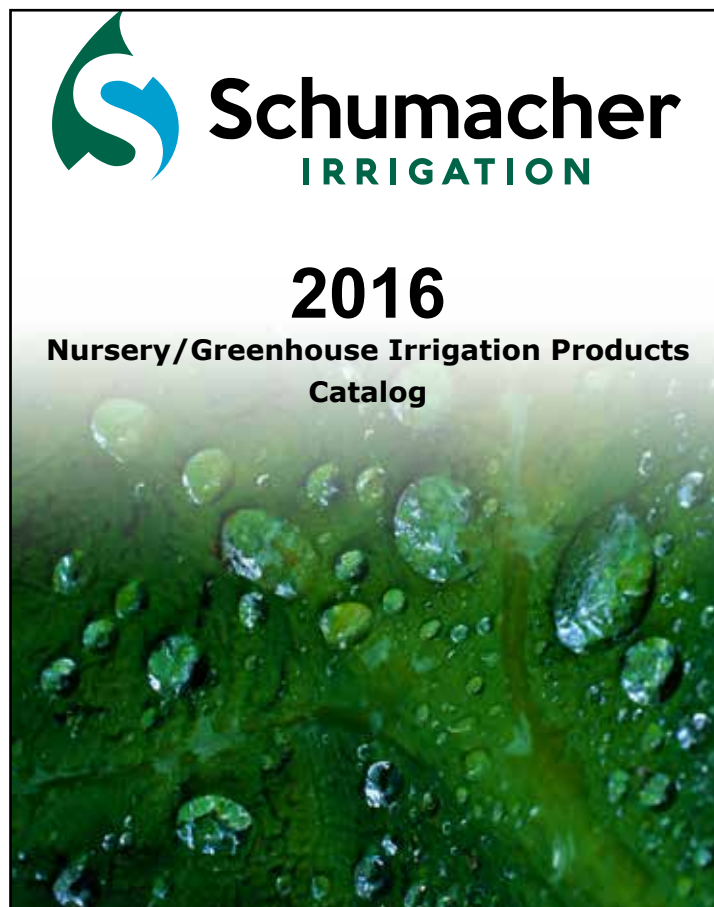
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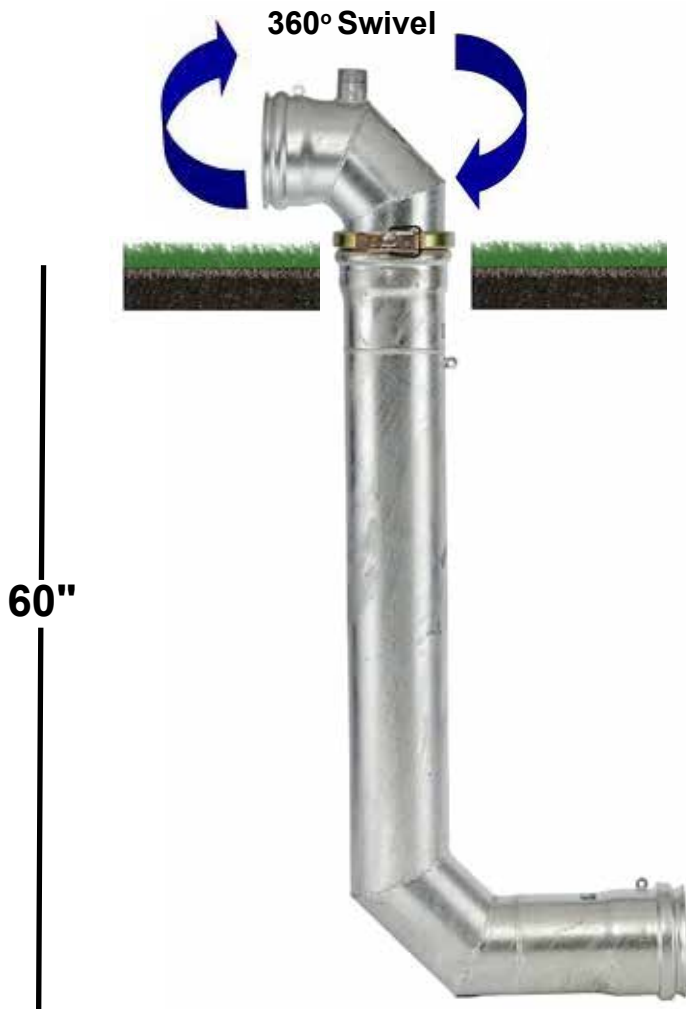
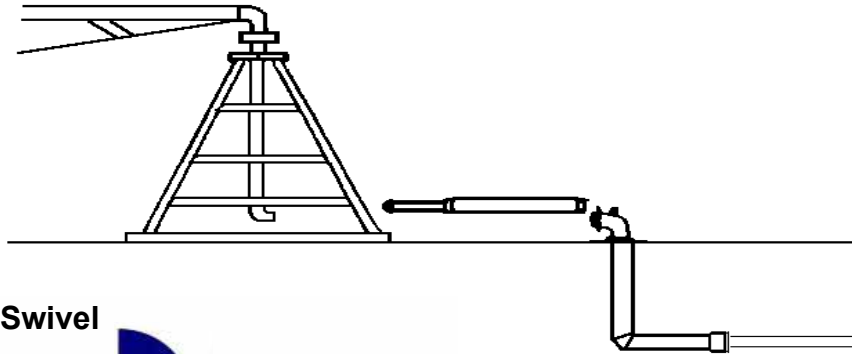
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**ELBOW**

Elbow on top swivels in a complete 360° circle to face any direction needed.

The above elbow is used along side the pivot pad. The elbow can be removed so that when the pivot is moved from one pad to another the "L" will be flush with the ground.

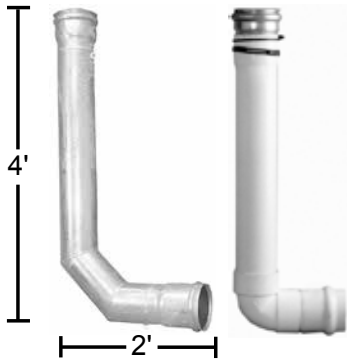
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# UNDERGROUND RISERS

## J PIPE (GALV., STAINLESS OR PVC)

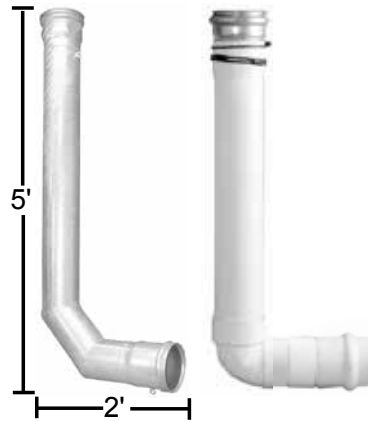


Size	Galvanized Steel			Stainless Steel			PVC #125		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6" PIP	6-2000	36.0	<b>365.00</b>	9-8011	34.0	<b>764.00</b>	6-2724	22.1	<b>379.00</b>
8" PIP	6-2001	48.5	<b>415.00</b>	9-8012	48.1	<b>1,174.00</b>	6-2725	35.8	<b>475.00</b>
10" PIP	6-2002	61.7	<b>485.00</b>	9-8013	63.0	<b>1,272.00</b>	6-2726	49.5	<b>525.00</b>
12" PIP	6-2003	76.4	<b>585.00</b>				6-2727	70.2	<b>625.00</b>
4" IPS	8-1419	22.5	<b>385.00</b>						
6" IPS	6-2004	52.1	<b>365.00</b>	9-8014	34.0	<b>764.00</b>	6-2728	22.1	<b>379.00</b>
8" IPS	6-2005	48.5	<b>415.00</b>	9-8015	48.1	<b>1,174.00</b>	6-2729	36.0	<b>475.00</b>
10" IPS	6-2006	61.7	<b>485.00</b>	9-8016	63.0	<b>1,272.00</b>	6-2730	49.5	<b>525.00</b>
12" IPS	6-2007	76.4	<b>585.00</b>				6-2731	70.2	<b>625.00</b>

J Pipe: 48" x 24"  
 Female Bottom PIP/IPS  
 Female RL OD Top  
 UPS Shippable.

- Metric sizes available, please call.
- 12ga tubing (optional 11, 10, or 7)

## L PIPE (SHORT BASE) (GALV., STAINLESS OR PVC)

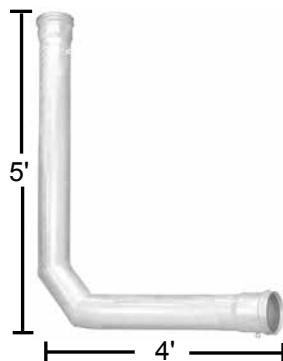


Size	Galvanized Steel			Stainless Steel			PVC #125		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6" PIP	6-1981	41.1	<b>383.00</b>	9-8017	39.2	<b>811.00</b>	6-2716	24.4	<b>385.00</b>
8" PIP	6-1982	55.3	<b>436.00</b>	9-8018	55.0	<b>1,264.00</b>	6-2717	40.0	<b>512.00</b>
10" PIP	6-1983	70.2	<b>509.00</b>	9-8019	71.7	<b>1,362.00</b>	6-2718	55.9	<b>525.00</b>
12" PIP	6-1984	86.6	<b>614.00</b>				6-2719	79.6	<b>719.00</b>
4" IPS	8-1418	25.9	<b>404.00</b>						
6" IPS	6-1991	41.1	<b>383.00</b>	9-8020	39.2	<b>811.00</b>	6-2720	24.4	<b>385.00</b>
8" IPS	6-1992	55.3	<b>436.00</b>	9-8021	55.0	<b>1,264.00</b>	6-2721	40.2	<b>512.00</b>
10" IPS	6-1993	70.2	<b>509.00</b>	9-8022	71.7	<b>1,362.00</b>	6-2722	55.9	<b>525.00</b>
12" IPS	6-1994	86.6	<b>614.00</b>				6-2723	79.6	<b>719.00</b>

L Pipe: 60" x 24"  
 Female Bottom PIP/IPS  
 Female RL OD Top.

- Metric sizes available, please call.
- 12ga tubing (optional 11, 10, or 7)

## L PIPE (LONG BASE) (GALVANIZED STEEL)



Size	Part #	Weight	List
6" PIP	6-1981-L	54.7	<b>421.00</b>
8" PIP	6-1982-L	73.3	<b>480.00</b>
10" PIP	6-1983-L	92.8	<b>560.00</b>
12" PIP	6-1984-L	113.8	<b>675.00</b>
4" IPS	8-1418-L	34.9	<b>444.00</b>
6" IPS	6-1991-L	54.7	<b>421.00</b>
8" IPS	6-1992-L	73.3	<b>480.00</b>
10" IPS	6-1993-L	92.8	<b>560.00</b>
12" IPS	6-1994-L	113.8	<b>675.00</b>

L Pipe: 60" x 40"  
 Female Bottom PIP/IPS  
 Female RL OD Top.

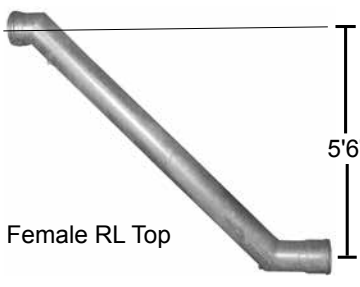
- Metric sizes available, please call.
- 12ga tubing (optional 11, 10, or 7)



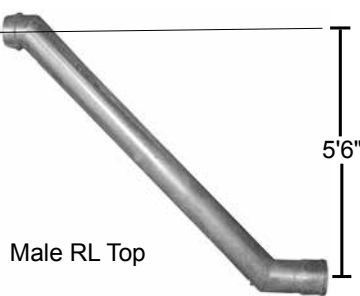
# UNDERGROUND RISERS

Underground Fittings

## Z PIPE (SHORT BASE) (GALV., STAINLESS OR PVC)



Size	Galvanized Steel			Stainless Steel			PVC #125		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6" PIP	6-1961	59.8	465.00	9-8029	58.2	983.00	6-2700	31.5	529.00
8" PIP	6-1962	80.0	525.00	9-8030	80.5	1,596.00	6-2701	57.5	660.00
10" PIP	6-1963	101.3	635.00	9-8031	103.7	1,694.00	6-2702	84.9	827.00
12" PIP	6-1968	124.0	895.00				6-2703	124.2	1,073.00
4" IPS	8-1416	38.3	450.00						
6" IPS	6-1971	59.8	465.00	9-8032	58.2	983.00	6-2704	33.8	655.00
8" IPS	6-1972	80.0	525.00	9-8033	80.5	1,596.00	6-2705	61.0	805.00
10" IPS	6-1973	101.3	635.00	9-8034	103.7	1,694.00	6-2706	91.3	1,020.00
12" IPS	6-1969	124.0	895.00				6-2707	123.4	1,335.00



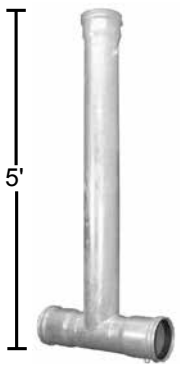
Size	Galvanized Steel			Stainless Steel			PVC #125		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6" PIP	6-1964	61.4	465.00	9-8035	61.7	983.00	6-2708	31.5	529.00
8" PIP	6-1965	81.1	525.00	9-8036	85.2	1,596.00	6-2709	56.5	660.00
10" PIP	6-1966	102.8	635.00	9-8037	109.5	1,694.00	6-2710	85.4	827.00
12" PIP	6-1967	130.8	895.00				6-2711	121.2	1,073.00
4" IPS	8-1417	38.3	450.00						
6" IPS	6-1974	61.4	465.00	9-8038	61.7	983.00	6-2712	33.8	655.00
8" IPS	6-1975	81.1	525.00	9-8039	85.2	1,596.00	6-2713	60.0	805.00
10" IPS	6-1976	106.9	635.00	9-8040	109.5	1,694.00	6-2714	91.8	1,020.00
12" IPS	6-1977	130.8	895.00				6-2715	122.4	1,335.00

Female Bottom PIP/IPS.  
Nipples & other acc. optional.

- Metric sizes available, please call.
- 12ga tubing (optional 11, 10, or 7)

## T PIPE (GALVANIZED OR STAINLESS STEEL)

T Pipe: 60" x 24"  
Double Female Bottom PIP/IPS  
Female RL OD Top



- Metric sizes available, please call.
- 12ga tubing (optional 11, 10, or 7)

Size	Galvanized Steel			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List
6" PIP	6-1986	42.0	395.00	9-8023	37.5	787.00
8" PIP	6-1987	56.5	465.00	9-8024	54.6	1,291.00
10" PIP	6-1988	72.7	549.00	9-8025	74.0	1,420.00
12" PIP	6-1989	76.4	665.00			
4" IPS	8-1420	25.5	315.00			
6" IPS	6-1996	42.0	395.00	9-8026	37.5	787.00
8" IPS	6-1997	56.5	465.00	9-8027	54.6	1,291.00
10" IPS	6-1998	72.7	549.00	9-8028	74.0	1,420.00
12" IPS	6-1990	89.4	665.00			

## RISER TEE (MPT TOP) (GALVANIZED STEEL)



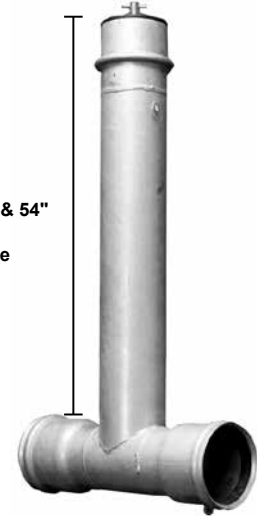
Size	Part #	Weight	List
6"x6"x2"mpt x54", PIP	9-8132	22.2	228.00
8"x8"x2"mpt x54", PIP	9-5319	26.2	295.00
10"x10"x2"mpt x54", PIP	9-8133	32.2	292.00

-For use as air relief valve in the line.

# PIP RISER VALVE TEES



## PIP RISER VALVE TEE (GALVANIZED OR STAINLESS STEEL)



30", 36", 42", & 54"

The riser length is measured from the top of the mainline to the top of the valve.

Option: Male ends may be substituted for female.

\*Custom-Built Fittings will be made to order.

Other sizes available on request.  
Special discounts on quantity orders.  
Metric Sizes available.  
Please call for special requests.

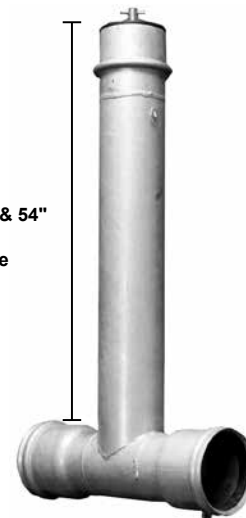
4" Valve Top		PIP Galvanized Steel			PIP Stainless Steel		
Size	Part #	Weight	List	Part #	Weight	List	
6"x6"x4"x30"	6-3921	27.2	320.00	9-8224	22.4	870.00	
6"x6"x4"x36"	6-3922	29.5	329.00	9-8225	24.7	893.00	
6"x6"x4"x42"	6-3923	31.7	336.00	9-8226	27.0	916.00	
6"x6"x4"x54"	6-3924	36.2	350.00	9-8227	31.5	962.00	
8"x8"x4"x30"	6-3931	32.3	375.00	9-8228	23.6	905.00	
8"x8"x4"x36"	6-3932	34.6	389.00	9-8229	31.9	1,117.00	
8"x8"x4"x42"	6-3933	36.8	400.00	9-8230	34.1	1,140.00	
8"x8"x4"x54"	6-3934	41.3	415.00	9-8231	38.7	1,186.00	
10"x10"x4"x30"	6-3941	39.5	420.00	9-8232	39.8	1,182.00	
10"x10"x4"x36"	6-3942	41.7	429.00	9-8233	42.0	1,205.00	
10"x10"x4"x42"	6-3943	44.0	436.00	9-8234	44.3	1,228.00	
10"x10"x4"x54"	6-3944	48.5	456.00	9-8235	48.9	1,275.00	
12"x12"x4"x30"	6-3951	44.6	490.00	9-8236	44.9	1,954.00	
12"x12"x4"x36"	6-3952	46.9	499.00	9-8237	47.2	1,977.00	
12"x12"x4"x42"	6-3953	49.1	509.00	9-8238	49.5	2,000.00	
12"x12"x4"x54"	6-3954	53.6	529.00	9-8239	54.1	2,046.00	

6" Valve Top		PIP Galvanized Steel			PIP Stainless Steel		
Size	Part #	Weight	List	Part #	Weight	List	
6"x6"x6"x30"	6-3961	36.0	375.00	9-8041	31.3	875.00	
6"x6"x6"x36"	6-3962	39.4	382.00	9-8042	34.7	906.00	
6"x6"x6"x42"	6-3963	42.8	395.00	9-8043	38.2	937.00	
6"x6"x6"x54"	6-3964	49.6	415.00	9-8044	45.1	1,000.00	
8"x8"x6"x30"	6-3971	41.4	410.00	9-8049	38.9	1,109.00	
8"x8"x6"x36"	6-3972	44.8	451.00	9-8050	42.3	1,140.00	
8"x8"x6"x42"	6-3973	48.2	469.00	9-8051	45.8	1,171.00	
8"x8"x6"x54"	6-3974	55.0	489.00	9-8052	52.7	1,234.00	
10"x10"x6"x30"	6-3981	49.0	539.00	9-8057	49.4	1,197.00	
10"x10"x6"x36"	6-3982	52.4	553.00	9-8058	52.9	1,228.00	
10"x10"x6"x42"	6-3983	55.8	561.00	9-8059	56.3	1,260.00	
10"x10"x6"x54"	6-3984	62.6	586.00	9-8060	63.3	1,323.00	
12"x12"x6"x30"	6-3991	54.5	539.00	9-8240	52.6	1,954.00	
12"x12"x6"x36"	6-3992	57.9	585.00	9-8241	56.1	1,986.00	
12"x12"x6"x42"	6-3993	61.3	655.00	9-8242	59.5	2,017.00	
12"x12"x6"x54"	6-3994	68.1	675.00	9-8243	66.5	2,080.00	

8" Valve Top		PIP Galvanized Steel			PIP Stainless Steel		
Size	Part #	Weight	List	Part #	Weight	List	
8"x8"x8"x30"	8-1300	58.0	545.00	9-8065	55.8	1,671.00	
8"x8"x8"x36"	8-1301	62.5	555.00	9-8066	60.4	1,731.00	
8"x8"x8"x42"	8-1302	67.0	565.00	9-8067	65.1	1,791.00	
8"x8"x8"x54"	8-1303	76.0	575.00	9-8068	74.4	1,912.00	
10"x10"x8"x30"	8-1308	66.3	645.00	9-8073	67.2	1,766.00	
10"x10"x8"x36"	8-1309	70.8	675.00	9-8074	71.8	1,826.00	
10"x10"x8"x42"	8-1310	75.3	710.00	9-8075	76.4	1,886.00	
10"x10"x8"x54"	8-1311	84.3	720.00	9-8076	85.7	2,007.00	
12"x12"x8"x30"	8-1316	72.6	775.00	9-8244	66.5	2,477.00	
12"x12"x8"x36"	8-1317	77.1	795.00	9-8245	71.2	2,537.00	
12"x12"x8"x42"	8-1318	81.6	815.00	9-8246	75.8	2,597.00	
12"x12"x8"x54"	8-1319	90.6	845.00	9-8247	85.1	2,718.00	

10" Valve Top		PIP Galvanized Steel			PIP Stainless Steel		
Size	Part #	Weight	List	Part #	Weight	List	
10"x10"x10"x30"	9-7857	74.9	938.00	9-8081	75.9	2,131.00	
10"x10"x10"x36"	9-7859	80.6	965.00	9-8082	81.7	2,191.00	
10"x10"x10"x42"	9-7861	86.2	992.00	9-8083	87.5	2,251.00	
10"x10"x10"x54"	9-7863	97.5	1,047.00	9-8084	99.1	2,372.00	
12"x12"x10"x30"	9-7865	81.2	965.00	9-8248	75.2	2,822.00	
12"x12"x10"x36"	9-7867	86.9	991.00	9-8249	81.0	2,882.00	
12"x12"x10"x42"	9-7869	92.5	1,019.00	9-8250	86.8	2,942.00	
12"x12"x10"x54"	9-7871	103.8	1,073.00	9-8251	98.5	3,063.00	

## IPS RISER VALVE TEE (GALVANIZED OR STAINLESS STEEL)



30", 36", 42", & 54"

The riser length is measured from the top of the mainline to the top of the valve.

Option: Male ends may be substituted for female.

\*Custom-Built Fittings will be made to order.

Other sizes available on request.  
Special discounts on quantity orders.  
Metric Sizes available.  
Please call for special requests.

Underground Fittings

IPS						
4" Valve Top Galvanized Steel			Stainless Steel			
Size	Part #	Weight	List	Part #	Weight	List
4"x4"x4"x30	6-3915	17.8	249.00	9-8252	19.2	768.00
4"x4"x4"x36	6-3916	20.1	259.00	9-8253	21.5	791.00
4"x4"x4"x42	6-3917	22.3	265.00	9-8254	23.8	814.00
4"x4"x4"x54	6-3918	26.8	275.00	9-8255	28.4	861.00
6"x6"x4"x30"	6-3925	27.2	320.00	9-8256	22.4	913.00
6"x6"x4"x36"	6-3926	29.5	329.00	9-8257	24.7	936.00
6"x6"x4"x42"	6-3927	31.7	336.00	9-8258	27.0	959.00
6"x6"x4"x54"	6-3928	36.2	350.00	9-8259	31.5	1,005.00
8"x8"x4"x30"	6-3935	32.3	375.00	9-8260	29.6	1,094.00
8"x8"x4"x36"	6-3936	34.6	389.00	9-8261	31.9	1,117.00
8"x8"x4"x42"	6-3937	36.8	400.00	9-8262	34.1	1,140.00
8"x8"x4"x54"	6-3938	41.3	415.00	9-8263	38.7	1,186.00
10"x10"x4"x30"	6-3945	39.5	420.00	9-8264	39.8	1,220.00
10"x10"x4"x36"	6-3946	41.7	429.00	9-8265	42.0	1,243.00
10"x10"x4"x42"	6-3947	44.0	436.00	9-8266	44.3	1,266.00
10"x10"x4"x54"	6-3948	48.5	456.00	9-8267	48.9	1,312.00
12"x12"x4"x30"	6-3955	44.6	490.00	9-8268	44.9	1,234.00
12"x12"x4"x36"	6-3956	46.9	499.00	9-8269	47.2	1,258.00
12"x12"x4"x42"	6-3957	49.1	509.00	9-8270	49.5	1,281.00
12"x12"x4"x54"	6-3958	53.6	529.00	9-8271	54.1	1,327.00

IPS						
6" Valve Top Galvanized Steel			Stainless Steel			
Size	Part #	Weight	List	Part #	Weight	List
6"x6"x6"x30"	6-3965	36.0	375.00	9-8045	31.3	918.00
6"x6"x6"x36"	6-3966	39.4	382.00	9-8046	34.7	949.00
6"x6"x6"x42"	6-3967	42.8	395.00	9-8047	38.2	980.00
6"x6"x6"x54"	6-3968	49.6	415.00	9-8048	45.1	1,043.00
8"x8"x6"x30"	6-3975	41.4	410.00	9-8053	38.9	1,109.00
8"x8"x6"x36"	6-3976	44.8	451.00	9-8054	42.3	1,140.00
8"x8"x6"x42"	6-3977	48.2	469.00	9-8055	45.8	1,171.00
8"x8"x6"x54"	6-3978	55.0	489.00	9-8056	52.7	1,234.00
10"x10"x6"x30"	6-3985	49.0	539.00	9-8061	49.4	1,235.00
10"x10"x6"x36"	6-3986	52.4	553.00	9-8062	52.9	1,266.00
10"x10"x6"x42"	6-3987	55.8	561.00	9-8063	56.3	1,297.00
10"x10"x6"x54"	6-3988	62.6	586.00	9-8064	63.3	1,360.00
12"x12"x6"x30"	6-3995	54.5	539.00	9-8272	52.6	1,235.00
12"x12"x6"x36"	6-3996	57.9	585.00	9-8273	56.1	1,267.00
12"x12"x6"x42"	6-3997	61.3	655.00	9-8274	59.5	1,298.00
12"x12"x6"x54"	6-3998	68.1	675.00	9-8275	66.5	1,361.00

IPS						
8" Valve Top Galvanized Steel			Stainless Steel			
Size	Part #	Weight	List	Part #	Weight	List
8"x8"x8"x30"	8-1304	58.0	545.00	9-8069	55.8	1,671.00
8"x8"x8"x36"	8-1305	62.5	555.00	9-8070	60.4	1,731.00
8"x8"x8"x42"	8-1306	67.0	565.00	9-8071	65.1	1,791.00
8"x8"x8"x54"	8-1307	76.0	575.00	9-8072	74.4	1,912.00
10"x10"x8"x30"	8-1312	66.3	645.00	9-8077	67.2	1,803.00
10"x10"x8"x36"	8-1313	70.8	675.00	9-8078	71.8	1,864.00
10"x10"x8"x42"	8-1314	75.3	710.00	9-8079	76.4	1,924.00
10"x10"x8"x54"	8-1315	84.3	720.00	9-8080	85.7	2,045.00
12"x12"x8"x30"	8-1320	72.6	775.00	9-8276	66.5	1,758.00
12"x12"x8"x36"	8-1321	77.1	795.00	9-8277	71.2	1,818.00
12"x12"x8"x42"	8-1322	81.6	815.00	9-8278	75.8	1,878.00
12"x12"x8"x54"	8-1323	90.6	845.00	9-8279	85.1	1,999.00

IPS						
10" Valve Top Galvanized Steel			Stainless Steel			
Size	Part #	Weight	List	Part #	Weight	List
10"x10"x10"x30"	9-7856	74.9	938.00	9-8085	75.9	2,168.00
10"x10"x10"x36"	9-7858	80.6	965.00	9-8086	81.7	2,228.00
10"x10"x10"x42"	9-7860	86.2	992.00	9-8087	87.5	2,289.00
10"x10"x10"x54"	9-7862	97.5	1,047.00	9-8088	99.1	2,409.00
12"x12"x10"x30"	9-7864	81.2	965.00	9-8280	75.2	2,103.00
12"x12"x10"x36"	9-7866	86.9	991.00	9-8281	81.0	2,163.00
12"x12"x10"x42"	9-7868	92.5	1,019.00	9-8282	86.8	2,223.00
12"x12"x10"x54"	9-7870	103.8	1,073.00	9-8283	98.5	2,344.00

## SADDLE RISER (POWDER COATED OR GALVANIZED)



For PIP or IPS use.  
Steel powder coated or galvanized.

Size	36" Riser			42" Riser		
	Part #	Weight	List	Part #	Weight	List
6"x4"	6-3820	22.0	<b>222.00</b>	6-3825	22.0	<b>235.00</b>
8"x4"	6-3821	24.0	<b>237.00</b>	6-3826	24.0	<b>231.00</b>
10"x4"	6-3822	26.0	<b>248.00</b>	6-3827	26.0	<b>200.00</b>
12"x4"	6-3823	28.0	<b>279.00</b>	6-3828	28.0	<b>217.00</b>

## SADDLE RISER (WITH PVC RISER)



- Lightweight
- Easy to install
- Durable
- Sunlight (UV) Inhibited
- UPS Shippable
- For PIP or IPS use
- Using 3"x36" & 48" PVC Riser Pipe
- Using 3" outlet on galvanized saddle
- Using 3" x4" galvanized valve stubs.

Size	42" Riser			54" Riser		
	Part #	Weight	List	Part #	Weight	List
6"x4"	6-3804	20.0	<b>294.00</b>	6-3807	21.3	<b>300.00</b>
8"x4"	6-3805	21.0	<b>309.00</b>	6-3808	22.3	<b>315.00</b>
10"x4"	6-3806	24.0	<b>336.00</b>	6-3809	20.0	<b>342.00</b>
12"x4"	6-3830	26.0	<b>362.00</b>	6-3831	27.3	<b>368.00</b>

## SADDLE (GALVANIZED STEEL)



For OD, PIP or IPS use.

Size	3" FPT Outlet			4" FPT Outlet			6" FPT Outlet		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6"	6-3810	11.0	<b>159.00</b>	6-3814	12.0	<b>174.00</b>			
8"	6-3811	12.0	<b>174.00</b>	6-3815	13.0	<b>184.00</b>	9-7632	20.0	<b>250.00</b>
10"	6-3812	15.0	<b>201.00</b>	6-3816	16.0	<b>211.00</b>	9-7633	22.0	<b>267.00</b>
12"	6-3813	17.0	<b>227.00</b>	6-3817	18.0	<b>236.00</b>	9-7634	24.0	<b>294.00</b>
15"	9-7628	23.0	<b>269.00</b>	9-7630	24.0	<b>282.00</b>	9-7635	26.0	<b>348.00</b>
18"	9-7629	28.0	<b>705.00</b>	9-7631	25.5	<b>732.00</b>	9-7636	31.0	<b>780.00</b>

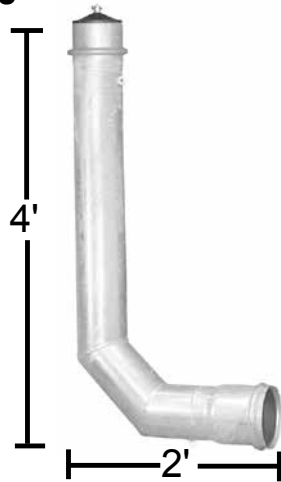
## PVC RISER PIPE



- 3" & 4" double male threaded
- High density polyethylene riser pipe with UV inhibitor (SCH80)

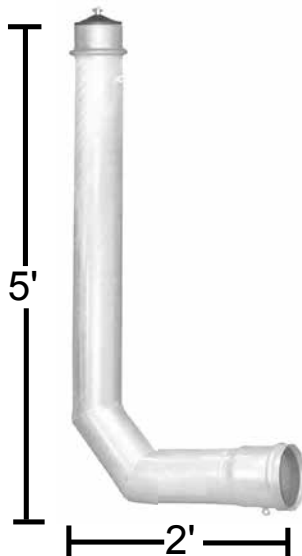
Size	36" Long (for 42" Riser)			48" Long (for 54" Riser)		
	Part #	Weight	List	Part #	Weight	List
3"	6-3802	4.0	<b>25.00</b>	6-3803	5.3	<b>31.00</b>
4"	6-3790	6.6	<b>29.00</b>	6-3791	8.8	<b>39.00</b>

## RISER VALVE J (GALVANIZED STEEL)



Size	Part #	Weight	List
6"x4" PIP	9-7850	43.9	<b>485.00</b>
6"x6" PIP	6-4001	39.0	<b>425.00</b>
8"x4" PIP	9-7851	53.8	<b>555.00</b>
8"x6" PIP	9-7852	63.7	<b>580.00</b>
8"x8" PIP	6-4002	59.0	<b>675.00</b>
<b>6"x4" IPS</b>	9-7853	43.9	<b>485.00</b>
<b>6"x6" IPS</b>	6-4005	39.0	<b>425.00</b>
<b>8"x4" IPS</b>	9-7854	53.8	<b>555.00</b>
<b>8"x6" IPS</b>	9-7855	63.7	<b>580.00</b>
<b>8"x8" IPS</b>	6-4006	59.0	<b>675.00</b>

## RISER VALVE L (GALVANIZED STEEL)



Size	Part #	Weight	List
6"x4" PIP	8-1410	48.4	<b>509.00</b>
6"x6" PIP	8-1324	44.1	<b>446.00</b>
8"x4" PIP	8-1412	58.3	<b>583.00</b>
8"x6" PIP	8-1414	70.5	<b>609.00</b>
8"x8" PIP	8-1326	65.8	<b>709.00</b>
<b>6"x4" IPS</b>	8-1411	48.4	<b>509.00</b>
<b>6"x6" IPS</b>	8-1325	44.1	<b>446.00</b>
<b>8"x4" IPS</b>	8-1413	58.3	<b>583.00</b>
<b>8"x6" IPS</b>	8-1415	70.5	<b>609.00</b>
<b>8"x8" IPS</b>	8-1327	65.8	<b>709.00</b>

## STEEL NIPPLE (WELDED ON)



Size	Part #	Weight	List
2"	6-2960	0.5	<b>33.00</b>
3"	6-2961	1.5	<b>42.00</b>
4"	6-2962	2.7	<b>53.00</b>

Nipples welded on for air relief, surge plug, etc.

## STEEL ARM (WELDED ON)



Size	Male Thread			Female Thread		
	Part #	Weight	List	Part #	Weight	List
2"	6-2963	2.6	<b>73.00</b>	6-2936	2.5	<b>71.00</b>
3"	6-2934	5.5	<b>161.00</b>	6-2937	5.4	<b>155.00</b>
4"	6-2935	8.5	<b>200.00</b>	6-2938	7.7	<b>219.00</b>

Elbow is welded on vertical risers for air relief, surge plug, etc.

## AIR RELIEF VALVE (CAST ALUM)



Standard



Continuous

Size	Standard			Continuous		
	Part #	Weight	List	Part #	Weight	List
1.5"	6-1909	1.2	<b>30.00</b>			
2"	6-1910	1.6	<b>39.00</b>	9-7829	6.0	<b>254.00</b>
3"	6-1912	3.1	<b>65.00</b>	9-7830	9.7	<b>275.00</b>
4"	6-1913	6.0	<b>155.00</b>	9-7831	-	<b>420.00</b>

Venting air in any pressurized pipe is of major importance. Air relief valves help protect the irrigation system from serious head surges and water hammer.

Continuous Action Air Vents:

- Exhaust Large Volumes of Trapped Air from the Pipeline.
- Provide Continuous Air Release during system operation.

## AIR RELIEF VALVE (NYLON / POLYPROPYLENE)



Guardian



Continuous

Size	Guardian (Nylon)			Continuous (Poly)		
	Part #	Weight	List	Part #	Weight	List
1"	9-6952	0.2	<b>55.00</b>			
2"	9-6953	0.3	<b>73.00</b>	9-6951	1.1	<b>229.00</b>
3"	9-6954	0.7	<b>207.00</b>			

Advantages

- Made of corrosion-resistant reinforced UV protected composite materials. No metal to rust or corrode.
- 5-year warranty

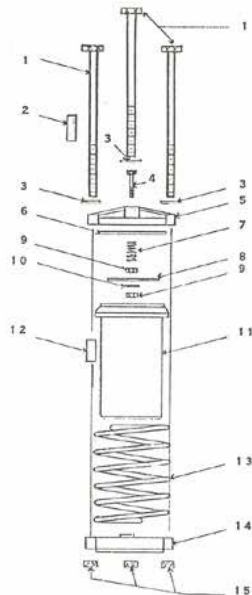
## TRI-ACTION VALVE (CAST ALUMINUM)

1. Pressure Relief
2. Air Relief
3. Vacuum Relief



Size	0-50 psi			50-160 psi		
	Part #	Weight	List	Part #	Weight	List
3"	6-1915	17.0	<b>502.00</b>	6-1914	24.0	<b>502.00</b>

## TRI-ACTION VALVE PARTS



Description	Position	Part #	Weight	List
Hanger Bolt (3 req.)	1	9-7453	-	<b>19.00</b>
Decal	2	9-7454	-	<b>7.00</b>
Hanger Washer (3 req.)	3	9-7455	-	<b>2.00</b>
Valve Disc Stem	4	9-7456	-	<b>2.00</b>
Head Cap	5	9-7457	-	<b>55.00</b>
Cap Gasket	6	9-7458	-	<b>7.00</b>
Retainer Spring	7	9-7459	-	<b>3.50</b>
Valve Disc	8	9-7460	-	<b>8.00</b>
Stem Nut (2 req.)	9	9-7461	-	<b>2.00</b>
Washer	10	9-7462	-	<b>2.00</b>
Valve Body	11	9-7463	-	<b>195.00</b>
Gauge Indicator	12	9-7464	-	<b>9.00</b>
Compression Spring	13	9-7465	-	<b>195.00</b>
Hanger	14	9-7466	-	<b>78.00</b>
Hanger Bolt Nut (3 req.)	15	9-7467	-	<b>2.00</b>



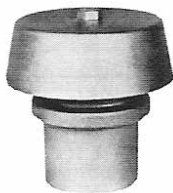
## PRESSURE RELIEF VALVE 4" FPT



### 4" FPT Cast Aluminum

PSI	Part #	Weight	List
50#	6-1919	5.5	<b>230.00</b>
80#	6-1920	5.5	<b>230.00</b>
100#	6-1921	5.5	<b>230.00</b>
125#	6-1922	6.0	<b>239.00</b>
160#	6-1923	6.0	<b>239.00</b>

## PRESSURE RELIEF VALVE 3" FPT



Cast Alum.



Steel Galv.

### 3" FPT Cast Aluminum

PSI	Part #	Weight	List
80#	9-6822	6.0	<b>235.00</b>

### 3" FPT Steel Galvanized

PSI	Part #	Weight	List
80#	9-6823	5.6	<b>179.00</b>

## PRESSURE RELIEF VALVE FIELD SET (CAST IRON)



### Pressure Guard™

**Features:**

- Cast Iron Body
- Brass Guide Bushing
- Stainless Guide Rod

PSI Range	Spring Color	2" FPT		2-1/2" FPT		3" FPT		4" FPT	
		Part #	List	Part #	List	Part #	List	Part #	List
0-25#	Gray	9-7832	<b>156.00</b>	9-7836	<b>165.00</b>	9-7840	<b>156.00</b>	9-7844	<b>208.00</b>
30-40#	Yellow	9-7833	<b>158.00</b>	9-7837	<b>179.00</b>	9-7841	<b>189.00</b>	9-7845	<b>219.00</b>
45-85#	Black	9-7834	<b>138.00</b>	9-7838	<b>159.00</b>	9-7842	<b>145.00</b>	9-7846	<b>201.00</b>
85-150#	Yellow/Blue	9-7835	<b>202.00</b>	9-7839	<b>219.00</b>	9-7843	<b>215.00</b>	9-7847	<b>245.00</b>

# UNDERGROUND COUPLERS

## COUPLER (WELD-ON)



Size	PVC OD	Black Steel			Powder Coated Steel			Stainless Steel		
		Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6" PIP	6.14"	9-5043	6.0	<b>50.00</b>	6-2231	6.0	<b>68.00</b>	9-5159	3.5	<b>110.00</b>
8" PIP	8.16"	9-5044	8.0	<b>58.00</b>	6-2232	8.0	<b>79.00</b>	9-5160	6.5	<b>195.00</b>
10" PIP	10.20"	9-5045	11.0	<b>65.00</b>	6-2233	11.0	<b>110.00</b>	9-8099	11.0	<b>231.00</b>
12" PIP	12.24"	9-5046	13.0	<b>82.00</b>	6-2234	13.0	<b>133.00</b>	9-8285	13.0	<b>605.00</b>
15" PIP	15.30"	9-7441	14.8	<b>187.00</b>	6-2235	14.0	<b>279.00</b>			
18" PIP	18.70"				6-2600	19.0	<b>475.00</b>			
2" IPS	2.375"				6-2217	-	<b>53.00</b>			
2.5" IPS	2.875"				6-2218	-	<b>55.00</b>			
3" IPS	3.50"				6-2219	2.0	<b>45.00</b>			
4" IPS	4.50"	9-5037	3.0	<b>31.00</b>	6-2220	3.0	<b>55.00</b>	9-5156	2.5	<b>56.00</b>
6" IPS	6.625"	9-5038	6.0	<b>50.00</b>	6-2221	6.0	<b>68.00</b>	9-5157	3.5	<b>120.00</b>
8" IPS	8.625"	9-5039	8.0	<b>58.00</b>	6-2222	8.0	<b>79.00</b>	9-5158	6.5	<b>195.00</b>
10" IPS	10.75"	9-5040	11.0	<b>65.00</b>	6-2223	11.0	<b>110.00</b>	9-8100	11.0	<b>250.00</b>
12" IPS	12.75"	9-5041	13.0	<b>82.00</b>	6-2224	13.0	<b>133.00</b>	9-8150	13.0	<b>245.00</b>
6" Metric	6.625"				6-2226	-	<b>46.00</b>			
8" Metric	7.87"				6-2227	-	<b>75.00</b>			
10" Metric	9.84"				6-2228	-	<b>81.50</b>			
12" Metric	12.41"				6-2229	-	<b>113.00</b>			

## GASKET (UNDERGROUND)



Round Back



Square Back

Size	Round Back				Square Back		
	Part #	Weight	List	Part #	Weight	List	
6" PIP	6-4241	0.3	<b>14.00</b>	9-7645	1.8	<b>12.00</b>	
8" PIP	6-4242	0.6	<b>17.00</b>	9-7647	2.0	<b>15.00</b>	
10" PIP	6-4243	0.8	<b>25.00</b>	9-7638	2.3	<b>31.00</b>	
12" PIP	6-4244	1.0	<b>32.00</b>	9-7640	2.5	<b>37.00</b>	
15" PIP	6-4245	-	<b>36.00</b>	9-7641	2.8	<b>45.00</b>	
18" PIP	9-5291	-	<b>60.00</b>	9-7642	2.8	<b>95.00</b>	
4" IPS	6-4233	-	<b>13.00</b>	9-7643	1.3	<b>9.00</b>	
6" IPS	6-4234	0.3	<b>14.00</b>	9-7644	1.8	<b>13.00</b>	
8" IPS	6-4235	0.6	<b>17.00</b>	9-7646	2.0	<b>16.00</b>	
10" IPS	6-4236	0.8	<b>25.00</b>	9-7637	2.3	<b>32.00</b>	
12" IPS	6-4237	1.0	<b>32.00</b>	9-7639	2.5	<b>39.00</b>	

## DRAW BAND (PAINTED STEEL)



Size	Part #	Weight	List
6"	6-1704	0.6	<b>12.00</b>
8"	6-1705	0.7	<b>12.25</b>
10"	6-1706	0.9	<b>12.50</b>
* 12"	6-1707	1.0	<b>13.00</b>
14"	6-1708	1.1	<b>14.10</b>
15"	6-1709	1.2	<b>15.00</b>

\*Silver: Extra large for all sizes of PVC Pipe, #50 - #200

\* 12" for use on 10" Newby boot

# UNDERGROUND COUPLERS & MALE ENDS

Underground Fittings

## WELD-ON MALE END (POWDER COATED STEEL)



Size	Part #	Weight	List
6" PIP	6-2281	3.5	62.00
8" PIP	6-2282	6.5	68.00
10" PIP	6-2283	10.5	81.00
12" PIP	6-2284	12.5	99.00
15" PIP	6-2285	14.0	158.00
<b>4" IPS</b>	6-2289	2.5	<b>59.00</b>
<b>6" IPS</b>	6-2290	3.5	<b>62.00</b>
<b>8" IPS</b>	6-2291	6.5	<b>68.00</b>
<b>10" IPS</b>	6-2292	10.5	<b>81.00</b>
<b>12" IPS</b>	6-2293	12.5	<b>99.00</b>

## BOLT-ON COUPLER (BLACK OR POWDER COATED STEEL)



Black Steel



Powder Coated

9" long.  
Male weld-on x bolt-on coupler

Size	Black Steel			Powder Coated Steel		
	Part #	Weight	List	Part #	Weight	List
4" OD	9-5019	8.0	105.00			
6" PIP/OD	9-5023	11.0	109.00	6-4015	11.0	116.00
8" PIP/OD	9-5026	14.5	135.00	6-4016	14.0	138.00
10" PIP/OD	9-5029	18.5	170.00	6-4017	18.0	174.00
12" PIP/OD	9-5032	22.0	255.00	6-4018	22.0	258.00
15" PIP				6-4019	25.0	325.00
18.7" PIP				6-9787	30.0	435.00
20.4" PIP				9-5843	35.0	475.00
<b>4" IPS</b>	9-5021	8.0	<b>105.00</b>	6-4010	8.0	<b>84.00</b>
<b>6" IPS</b>	9-5024	11.0	<b>109.00</b>	6-4011	11.0	<b>116.00</b>
<b>8" IPS</b>	9-5027	14.5	<b>135.00</b>	6-4012	14.0	<b>138.00</b>
<b>10" IPS</b>	9-5030	18.5	<b>170.00</b>	6-4013	18.0	<b>174.00</b>
<b>12" IPS</b>	9-5033	22.0	<b>255.00</b>	6-4014	22.0	<b>258.00</b>



Half Coupler Only



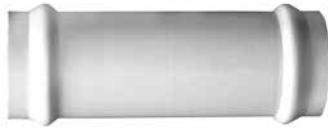
PIP Flange Pack (Single)

IPS Flange Pack (Single)

Size	Half Coupler Only			PIP Flange Pack (Single)			IPS Flange Pack (Single)		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"	6-2045	6.0	49.00	6-2027	3.0	35.00	6-2016	2.0	35.00
6"	6-2047	7.0	71.00	6-2011	4.0	45.00	6-2017	4.0	45.00
8"	6-2048	9.0	84.00	6-2012	4.5	54.00	6-2018	4.5	54.00
10"	6-2049	13.0	109.00	6-2013	6.0	65.00	6-2019	6.0	65.00
12"	6-2062	16.0	162.00	6-2014	7.5	96.00	6-2020	7.5	96.00
15"	9-5848	19.0	200.00	9-5851	8.0	125.00			
18.7"	9-5849	22.0	277.00	9-5852	18.0	160.00			
20.4"	9-5850	25.0	300.00	9-5853	22.0	175.00			

# REPAIR COUPLERS

## REPAIR COUPLER (PVC)



- 100 psi maximum pressure.
- 19" long

PIP				IPS		
Size	Part #	Weight	List	Part #	Weight	List
4"				9-8116	4.2	56.00
6"	6-2261	4.0	86.00	6-2264	4.0	75.00
8"	6-2262	6.0	122.00	6-2265	6.0	89.00
10"	6-2263	10.0	195.00	6-2266	10.0	138.00
12"	6-2267	15.0	269.00	6-2269	15.0	170.00
15"	6-2268	20.0	400.00			

## PVC PIPE (PLAIN X GASKET, 31" LONG)



PIP (#100 psi)				IPS (#125 psi)		
Size	Part #	Weight	List	Part #	Weight	List
6"	6-2294	4.8	60.00	6-2299	5.5	78.00
8"	6-2295	4.8	90.00	6-2300	9.4	111.00
10"	6-2296	13.2	120.00	6-2301	14.6	163.00
12"	6-2297	13.2	150.00	6-2302	20.5	241.00
15"	6-2298	30.1	210.00			

## TELESCOPING REPAIR COUPLER (PVC)



- Gasket included
- 100 psi maximum pressure

PIP				IPS		
Size	Part #	Weight	List	Part #	Weight	List
6"	6-2610	8.8	146.00	6-2615	9.5	216.00
8"	6-2611	14.4	212.00	6-2616	15.4	173.00
10"	6-2612	23.2	315.00	6-2617	24.6	231.00
12"	6-2613	34.3	419.00	6-2618	35.5	411.00
15"	6-2614	50.1	610.00			

## FULL REPAIR WRAP



- 125 max psi
- Ideal to stop leaks without cutting pipeline.

Size	Part #	Weight	List
OD 4" dia x 8" long	6-9829	11.0	205.00
IPS 4" dia x 8" long	6-9830	11.0	210.00
OD/PIP 6" dia x 8" long	6-9831	12.0	250.00
IPS 6" dia x 8" long	6-9832	12.0	250.00
OD/PIP 8" dia x 8" long	6-9833	13.0	295.00
IPS 8" dia x 8" long	6-9834	13.0	295.00
OD 10" dia x 8" long	6-9835	19.0	295.00
IPS 10" dia x 8" long	6-9836	19.0	385.00
OD/PIP 12" dia x 8" long	6-9837	20.0	385.00
IPS 12" dia x 8" long	6-9838	20.0	439.00

## FIBERGLASS TAPE



- < 60 psi = 8 Layers/Wraps Min.
- > 60 psi = 10 Layers/Wraps Min.

Size	Dimensions	Part #	Weight	List
1/4" Pipe	1" Wide x 30" Long	6-9562	0.2	11.00
1/2" Pipe	1" Wide x 32" Long	6-9563	-	18.00
3/4" Pipe	2" Wide x 30" Long	6-9564	0.2	13.00
1" Pipe	2" Wide x 60" Long	6-9565	0.2	16.00
2" - 4" Pipe	3" Wide x 108" Long	6-9566	0.7	25.00
3" Pipe	8" Wide x 72" Long	6-9567	0.7	41.00
6" Pipe	4" Wide x 180" Long	6-9568	0.7	41.00
8" Pipe	4" Wide x 360" Long	6-9569	1.3	73.00
10" Pipe	6" Wide x 300" Long	6-9932	-	150.00

## BOLT-ON REPAIR COUPLER (POWDER COATED STEEL)



- 180 psi maximum pressure.
- 16" long

Size	PIP Complete			IPS Complete		
	Part #	Weight	List	Part #	Weight	List
4"				6-2207	12.0	175.00
6"	6-2206	21.0	231.00	6-2213	21.0	231.00
8"	6-2208	26.0	284.00	6-2214	26.0	284.00
10"	6-2210	36.0	345.00	6-2215	36.0	345.00
12"	6-2212	44.0	523.00	6-2216	44.0	523.00
15"	6-2200	52.0	667.00			
18.7"	6-9888	58.0	995.00			



Size	Body Only			PIP Flange Pack (Single)			IPS Flange Pack (Single)		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"	6-2033	8.0	105.00				6-2016	2.0	35.00
6"	6-2034	13.0	141.00	6-2011	4.0	45.00	6-2017	4.0	45.00
8"	6-2035	17.0	176.00	6-2012	4.5	54.00	6-2018	4.5	54.00
10"	6-2036	24.0	215.00	6-2013	6.0	65.00	6-2019	6.0	65.00
12"	6-2037	29.0	331.00	6-2014	7.5	96.00	6-2020	7.5	96.00
15"	6-2038	36.0	434.00	9-5851	8.0	125.00			
18.7"				9-5852	18.0	160.00			
20.4"				9-5853	22.0	175.00			

-Fits OD, PIP, & IPS Flange Packs

2 Flange Packs Required per repair coupler.



Size	PIP/OD Gasket (Bolt-on)			IPS Gasket (Bolt-on)		
	Part #	Weight	List	Part #	Weight	List
4"				9-5833	-	5.30
6"	9-5837	-	14.00	9-5836	-	14.00
8"	9-5839	-	18.00	9-5838	-	18.00
10"	9-5829	-	27.00	9-5828	-	27.00
12"	9-5831	-	33.00	9-5830	-	33.00
15"	9-5832	-	35.00			
18.7"	9-5841	-	50.00			
20.4"	9-5842	-	50.00			

## REPAIR COUPLER (GALVANIZED STEEL)



- Metric sizes available, please call.
- 200 psi maximum pressure on 2" to 10".
- 150 psi maximum pressure on 12" and 15".
- 16" long

Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-2239	7.0	119.00
6"	6-2250	13.0	135.00	6-2240	13.0	135.00
8"	6-2251	17.0	175.00	6-2241	17.0	175.00
10"	6-2252	21.0	235.00	6-2242	21.0	235.00
12"	6-2253	24.0	315.00	6-2243	24.0	315.00
15"	6-2255	50.0	602.00			

# STEEL UNDERGROUND FITTINGS

## FLANGE ADAPTER

(GALVANIZED STEEL)



PIP				IPS		
Size	Part #	Weight	List	Part #	Weight	List
4"				6-4043	10.1	75.00
6"	6-4051	15.3	115.00	6-4045	15.3	115.00
8"	6-4052	20.9	135.00	6-4046	20.9	135.00
10"	6-4053	27.6	165.00	6-4047	27.6	165.00
12"	6-4054	36.0	215.00	6-4048	36.0	215.00

- Metric sizes available, please call.

## SERVICE TEE

(GALVANIZED STEEL)



PIP				IPS			
Size	Part #	Weight	List	Size	Part #	Weight	List
6"x6"x4"	6-4064	17.4	195.00	4"x4"x2"	6-4060	8.7	155.00
8"x8"x3"	9-5311	19.0	160.00	6"x6"x4"	6-4061	17.4	195.00
8"x8"x4"	6-4065	27.5	235.00	8"x8"x4"	6-4062	22.5	235.00

- Other sizes available, please call.
- Metric sizes available, please call.
- Male threaded also available.

## TEE

(GALVANIZED STEEL)



PIP				IPS		
Size	Part #	Weight	List	Part #	Weight	List
4"				6-4073	13.5	150.00
6"	6-4079	13.5	205.00	6-4074	24.8	205.00
8"	6-4080	33.0	299.00	6-4075	33.0	299.00
10"	6-4081	44.3	439.00	6-4076	44.3	439.00
12"	6-4082	66.2	590.00	6-4077	66.2	590.00
15"	6-4083	77.6	1,210.00			

## TEE, BOLT-ON

(GALVANIZED STEEL)



PIP/OD				IPS		
Size	Part #	Weight	List	Part #	Weight	List
4"	9-7988	20.0	289.00	9-7979	20.0	289.00
6"	9-7984	31.0	365.00	9-7980	31.0	365.00
8"	9-7985	37.0	452.00	9-7981	37.0	452.00
10"	9-7986	45.0	558.00	9-7982	45.0	558.00
12"	9-7987	53.0	899.00	9-7983	53.0	899.00

## CROSS

(GALVANIZED STEEL)



PIP				IPS		
Size	Part #	Weight	List	Part #	Weight	List
4"				6-4093	21.0	235.00
6"	6-4099	37.6	315.00	6-4094	37.6	315.00
8"	6-4100	50.0	355.00	6-4095	50.0	355.00
10"	6-4101	66.6	650.00	6-4096	66.6	650.00
12"	6-4102	79.2	789.00	6-4097	79.2	789.00
15"	6-4103	92.4	1,635.00			

- Metric sizes available, please call.
- Reducing sizes also available. Please call.



## 45° ELBOW (GALVANIZED STEEL)



11° and 22° are available at the same price.

Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-4137	12.8	145.00
6"	6-4130	22.2	170.00	6-4138	22.2	170.00
8"	6-4131	29.5	250.00	6-4139	29.5	250.00
10"	6-4132	39.0	355.00	6-4140	39.0	355.00
12"	6-4133	46.4	440.00	6-4141	46.4	440.00

## 45° ELBOW, BOLT-ON (GALVANIZED STEEL)



11° and 22° are available at the same price.

Size	PIP/OD			IPS		
	Part #	Weight	List	Part #	Weight	List
4"	9-7960	16.0	192.00	9-7951	16.0	192.00
6"	9-7956	20.0	269.00	9-7952	20.0	269.00
8"	9-7957	26.0	324.00	9-7953	26.0	324.00
10"	9-7958	38.0	396.00	9-7954	38.0	396.00
12"	9-7959	46.0	634.00	9-7955	46.0	634.00

## 90° ELBOW (GALVANIZED STEEL)



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-4157	10.5	155.00
6"	6-4150	22.2	195.00	6-4158	22.2	195.00
8"	6-4151	29.5	260.00	6-4159	29.5	260.00
10"	6-4152	39.0	375.00	6-4160	39.0	375.00
12"	6-4153	46.4	525.00	6-4161	46.4	525.00

## 90° ELBOW, BOLT-ON (GALVANIZED STEEL)



Size	PIP/OD			IPS		
	Part #	Weight	List	Part #	Weight	List
4"	9-7974	18.0	243.00	9-7965	18.0	243.00
6"	9-7970	22.0	309.00	9-7966	22.0	309.00
8"	9-7971	31.0	375.00	9-7967	31.0	375.00
10"	9-7972	45.0	452.00	9-7968	45.0	452.00
12"	9-7973	56.0	693.00	9-7969	56.0	693.00

# STEEL UNDERGROUND FITTINGS

## REDUCER/ADAPTER (GALVANIZED STEEL)

S



Size	Part #	Weight	List
6" PIP x 4" IPS	6-4110	10.2	125.00
6" IPS x 6" PIP	6-4121	12.0	125.00
8" PIP x 6" PIP	6-4111	16.5	155.00
8" IPS x 8" PIP	6-4122	16.0	140.00
10" PIP x 8" PIP	6-4112	22.2	205.00
10" IPS x 10" PIP	6-4123	22.0	169.00
12" PIP x 10" PIP	6-4113	37.0	275.00
12" IPS x 12" PIP	6-4124	26.0	210.00

## REDUCER/ADAPTER, BOLT-ON (POWDER COATED OR GALVANIZED STEEL)

T



Size	Finish	Part #	Weight	List
4" IPS x 4" OD	Powder Coated	6-4020	13.0	175.00
6" OD/PIP x 8" OD/PIP	Galvanized	9-8127	28.0	375.00
6" IPS x 6" OD/PIP	Powder Coated	6-4022	21.0	231.00
8" IPS x 6" OD/PIP	Galvanized	6-4024	27.5	375.00
8" IPS x 6" IPS	Galvanized	6-4026	27.5	375.00
8" IPS x 8" OD/PIP	Powder Coated	6-4027	26.0	284.00
10" OD/PIP x 8" OD/PIP	Galvanized	6-4029	35.2	475.00
10" IPS x 8" IPS	Galvanized	6-4031	35.2	475.00
10" IPS x 10" OD/PIP	Powder Coated	6-4032	37.5	345.00
12" OD/PIP x 10" OD/PIP	Galvanized	6-4034	44.0	645.00
12" IPS x 12" OD/PIP	Powder Coated	6-4036	44.0	523.00

## DOUBLE COUPLER (GALVANIZED STEEL)

L



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-4179	6.0	95.00
6"	6-4171	12.0	120.00	6-4180	12.0	120.00
8"	6-4172	16.0	140.00	6-4181	16.0	140.00
10"	6-4173	22.0	160.00	6-4182	22.0	160.00
12"	6-4174	26.0	220.00	6-4183	26.0	220.00
15"	6-4175	28.0	615.00			

• Metric sizes available, please call.

## END PLUG (GALVANIZED STEEL)

L



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-4197	2.9	75.00
6"	6-4191	4.5	80.00	6-4198	4.5	80.00
8"	6-4192	9.8	90.00	6-4199	9.8	90.00
10"	6-4193	14.5	110.00	6-4200	14.5	110.00
12"	6-4188	18.3	145.00	6-4201	18.3	145.00
15"	6-4189	14.0	260.00			

## END CAP (GALVANIZED STEEL)

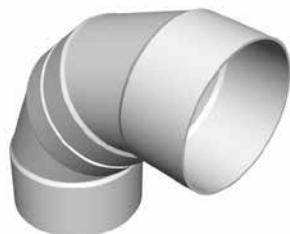
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Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-4211	3.4	65.00
6"	6-4203	7.0	75.00	6-4212	7.0	75.00
8"	6-4204	11.3	110.00	6-4213	11.3	110.00
10"	6-4205	15.0	120.00	6-4214	15.0	120.00
12"	6-4206	18.8	160.00	6-4215	18.8	160.00
15"	6-4207	14.0	425.00			

• Metric sizes available, please call.

## 90° ELBOW (PVC-SOLVENT)



Size	PIP			IPS			PIP A&H		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"							6-2315	2.0	<b>36.00</b>
6"	6-2311	4.0	<b>95.00</b>	6-2560	4.0	<b>81.00</b>	6-2316	1.5	<b>58.00</b>
8"	6-2312	8.0	<b>177.00</b>	6-2561	6.0	<b>124.00</b>	6-2317	2.5	<b>72.00</b>
10"	6-2313	8.0	<b>250.00</b>	6-2562	8.0	<b>194.00</b>	6-2318	3.0	<b>114.00</b>
12"	6-2314	14.0	<b>351.00</b>	6-2563	14.0	<b>270.00</b>	6-2319	3.5	<b>150.00</b>
15"	6-2320	20.0	<b>543.00</b>						

- 4" A&H is IPS Size.

#100 psi test, except A&H which is #22/#50 psi test.

- Metric sizes available, please call.

## 45° ELBOW (PVC-SOLVENT)



Size	PIP			IPS			PIP A&H		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"							6-2325	1.3	<b>47.00</b>
6"	6-2321	1.0	<b>42.00</b>	6-2550	1.0	<b>41.00</b>	6-2326	1.5	<b>31.00</b>
8"	6-2322	2.0	<b>73.00</b>	6-2551	2.0	<b>69.00</b>	6-2327	1.8	<b>45.00</b>
10"	6-2323	2.5	<b>109.00</b>	6-2552	2.5	<b>106.00</b>	6-2328	2.0	<b>56.00</b>
12"	6-2324	3.0	<b>163.00</b>	6-2553	3.0	<b>155.00</b>	6-2329	3.0	<b>92.00</b>
15"	6-2330	4.0	<b>253.00</b>						

- 4" A&H is IPS Size.

#100 psi test, except A&H which is #22/#50 psi test.

- Metric sizes available, please call.

## 22-1/2° ELBOW (PVC-SOLVENT)



Size	PIP		
	Part #	Weight	List
6"	6-2270	1.0	<b>31.00</b>
8"	6-2271	2.0	<b>46.00</b>
10"	6-2272	2.5	<b>88.00</b>
12"	6-2273	3.0	<b>123.00</b>
15"	6-2274	4.0	<b>206.00</b>

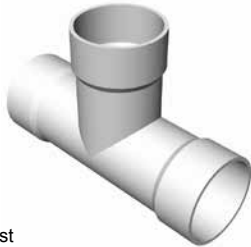
#100 psi test.

- Metric sizes available, please call.

**11°, 15°, 30° AND 60° ELBOWS AVAILABLE UPON REQUEST.  
PLEASE CALL.**

# SOLVENT PVC PIPE FITTINGS

## TEE (PVC-SOLVENT)



#100 psi test

- Metric sizes available, please call.

Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-2335	2.3	54.00
6"	6-2331	5.0	85.00	6-2570	5.0	115.00
8"	6-2332	9.0	125.00	6-2571	9.0	145.00
10"	6-2333	14.0	201.00	6-2572	14.0	202.00
12"	6-2334	18.0	320.00	6-2573	18.0	319.00
15"	6-2336	25.0	550.00			

## REDUCING TEE (PVC-SOLVENT)



#100 psi test

- Metric sizes available, please call.

Size	Part #	Weight	List
6" PIP x 4" IPS	6-2340	3.5	64.00
8" PIP x 4" IPS	6-2341	4.5	83.00
8" x 6" PIP	6-2342	8.5	103.00
6" x 4" IPS	6-2574	4.0	74.00
8" x 4" IPS	6-2575	5.0	100.00
8" x 6" IPS	6-2576	9.0	129.00

## WYE (PVC-SOLVENT)



Drain Only

Size	Part #	Weight	List
6" PIP A&H	6-2601	-	61.00
8" PIP A&H	6-2602	-	138.00
10" PIP A&H	6-2603	-	201.00

## END CAP (PVC-SOLVENT)



#100 psi test, except A&H which is #22/#50 psi test.

- Metric sizes available, please call.

Size	PIP			IPS			PIP A&H		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6"	6-2410	1.5	39.00	6-2580	1.5	27.00	6-2420	0.2	10.00
8"	6-2411	2.0	49.00	6-2581	2.0	34.00	6-2421	0.6	16.00
10"	6-2412	2.5	79.00	6-2582	2.5	55.00	6-2422	2.5	26.00
12"	6-2413	3.0	105.00	6-2583	3.0	96.00	6-2423	3.0	41.00
15"	6-2414	4.0	170.00				6-2424	4.0	57.00

## COUPLING (PVC-SOLVENT)



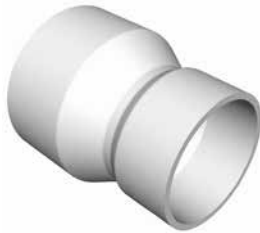
#100 psi test, except A&H which is #22/#50 psi test.

- Metric sizes available, please call.

Size	PIP			IPS			PIP A&H		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"				6-2430	0.5	17.00	*6-2434	0.4	13.00
6"	6-2431	1.0	26.00	6-2585	1.0	21.00	6-2435	0.8	16.00
8"	6-2432	2.0	36.00	6-2586	2.0	37.00	6-2436	1.5	18.00
10"	6-2433	5.0	57.00	6-2587	5.0	61.00	6-2437	3.0	24.00
12"	6-2428	7.0	88.00	6-2588	7.0	95.00			
15"	6-2429	10.0	151.00						

- 4" A&H is IPS Size.

## REDUCER (PVC-SOLVENT)



Size	PIP				IPS			PIP A&H		
	Part #	Weight	List		Part #	Weight	List	Part #	Weight	List
*6" x 4"	6-2440	1.5	<b>32.00</b>		6-2590	1.5	<b>27.00</b>	6-2443	0.6	<b>22.00</b>
8" x 6"	6-2441	2.0	<b>49.00</b>		6-2591	2.0	<b>42.00</b>	6-2444	1.5	<b>27.00</b>
10" x 8"	6-2442	3.0	<b>68.00</b>		6-2592	3.0	<b>84.00</b>	6-2445	2.0	<b>42.00</b>
12" x 10"	6-2438	4.0	<b>98.00</b>		6-2593	4.0	<b>115.00</b>	6-2446	2.5	<b>60.00</b>
15" x 12"	6-2439	5.0	<b>158.00</b>							

#100 psi test, except A&H which is #22/#50 psi test.  
 • Metric sizes available, please call.

• 4" IPS Size.

## ADAPTER (PVC-SOLVENT)



Size	Part #	Weight	List
6" IPS x PIP	6-2451	1.5	<b>31.00</b>
8" IPS x PIP	6-2452	2.5	<b>45.00</b>
10" IPS x PIP	6-2453	5.0	<b>75.00</b>

#100 psi test

## FLANGE (PVC-SOLVENT)



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
3"				9-7659		<b>53.00</b>
4"				6-2484	2.8	<b>66.00</b>
6"	6-2480	5.6	<b>105.00</b>	6-2485	4.7	<b>60.00</b>
8"	6-2481	8.3	<b>159.00</b>	6-2486	6.8	<b>120.00</b>
10"	6-2482	14.3	<b>220.00</b>	6-2487	11.6	<b>225.00</b>
12"	6-2483	21.9	<b>319.00</b>	6-2488	-	<b>250.00</b>

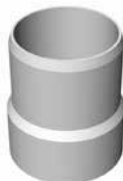
## FEMALE THREADED ADAPTER (PVC-SOLVENT)



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-2470	-	<b>21.00</b>
6"	6-2461	-	<b>93.00</b>	6-2471	-	<b>66.00</b>
8"	6-2462	-	<b>138.00</b>	6-2472	-	<b>99.00</b>
10"	6-2463	-	<b>192.00</b>	6-2473	-	<b>149.00</b>
12"	6-2464	-	<b>223.00</b>	6-2474	-	<b>222.00</b>

#100 psi test, except A&H which is #22/#50 psi test.

## MALE THREADED ADAPTER (PVC-SOLVENT)



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
4"				6-2475	-	<b>14.00</b>
6"	6-2466	-	<b>82.00</b>	6-2476	-	<b>59.00</b>
8"	6-2467	-	<b>117.00</b>	6-2477	-	<b>83.00</b>
10"	6-2468	-	<b>171.00</b>	6-2478	-	<b>167.00</b>
12"	6-2469	-	<b>201.00</b>	6-2479	-	<b>249.00</b>

#100 psi test, except A&H which is #22/#50 psi test.

## BUSHING (PVC-SOLVENT)



Size	Part #	Weight	List
6" PIP x IPS	6-2595	-	<b>30.00</b>
8" PIP x IPS	6-2596	-	<b>49.00</b>
10" PIP x IPS	6-2597	-	<b>76.00</b>
12" PIP x IPS	6-2598	-	<b>116.00</b>

IPS outside x PIP inside

# GASKETED PVC PIPE FITTINGS

## 90° ELBOW (PVC-GASKETED)

#100 PSI Test



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
6"	6-2350	-	<b>126.00</b>	6-2520	-	<b>164.00</b>
8"	6-2351	-	<b>201.00</b>	6-2521	-	<b>248.00</b>
10"	6-2352	-	<b>311.00</b>	6-2522	-	<b>362.00</b>
12"	6-2353	-	<b>442.00</b>	6-2523	-	<b>485.00</b>
15"	6-2354	-	<b>903.00</b>			

## 45° ELBOW (PVC-GASKETED)

#100 PSI Test



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
6"	6-2360	-	<b>111.00</b>	6-2510	-	<b>111.00</b>
8"	6-2361	-	<b>158.00</b>	6-2511	-	<b>158.00</b>
10"	6-2362	-	<b>227.00</b>	6-2512	-	<b>227.00</b>
12"	6-2363	-	<b>323.00</b>	6-2513	-	<b>342.00</b>
15"	6-2364	-	<b>653.00</b>			

## 22-1/2° ELBOW (PVC-GASKETED)

#100 PSI Test



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
6"	6-2355	-	<b>95.00</b>	6-2500	-	<b>107.00</b>
8"	6-2356	-	<b>140.00</b>	6-2501	-	<b>131.00</b>
10"	6-2357	-	<b>208.00</b>	6-2502	-	<b>224.00</b>
12"	6-2358	-	<b>300.00</b>	6-2503	-	<b>299.00</b>
15"	6-2359	-	<b>496.00</b>			

## TEE (PVC-GASKETED)

#100 PSI Test



Size	PIP			IPS		
	Part #	Weight	List	Part #	Weight	List
6"	6-2365	-	<b>150.00</b>	6-2540	-	<b>129.00</b>
8"	6-2366	-	<b>201.00</b>	6-2541	-	<b>228.00</b>
10"	6-2367	-	<b>305.00</b>	6-2542	-	<b>332.00</b>
12"	6-2368	-	<b>415.00</b>	6-2543	-	<b>462.00</b>
15"	6-2369	-	<b>750.00</b>			

**11°, 15°, 30° AND 60° ELBOWS AVAILABLE UPON REQUEST.  
#100 PSI TEST, EXCEPT A&H WHICH IS #22/#50 PSI TEST.**



## DRAINAGE RISER (PVC-SOLVENT)



6", 8", 10" = 6'8" Long  
 12" = 6'8" Long

### Complete Drainage Riser

Size	Part #	Weight	List
4" x 6"	6-2110	17.0	<b>335.00</b>
6" x 8"	6-2120	24.1	<b>450.00</b>
8" x 10"	6-2130	39.7	<b>669.00</b>

### Perforated Body Only

6" x 6'8" #100	6-2110-C	12.7	<b>139.00</b>
8" x 6'8" #80	6-2120-C	17.2	<b>180.00</b>
10" x 6'8" #80	6-2130-C	27.1	<b>332.00</b>
12" x 6'8" #80	9-6958	40.3	<b>385.00</b>

The Drainage Riser comes fully assembled and includes the appropriately sized:

- 90° elbow (A&H)
- Increaser (A&H)
- Cap (A&H)

The Drainage Riser is made to fit PIP (Plastic Irrigation Pipe).

The Drainage Riser is made to local Soil Conservation Office Specifications.

Other sizes are available on request.

## RODENT DOOR (PAINTED STEEL)



Size	Part #	Weight	List
4"	6-2181	0.2	<b>11.50</b>
6"	6-2182	0.6	<b>13.00</b>
8"	6-2183	0.8	<b>15.50</b>
10"	6-2184	1.5	<b>23.50</b>
12"	6-2185	2.3	<b>32.00</b>

## PRIMER (Step 1 of 2)



Size	Part #	Weight	List
1 quart	6-9170	2.0	<b>30.00</b>

It is highly recommended to apply primer on both pipe & socket before gluing to pre-soften & pre-prepare plastic pipe & fittings for bonding.

## PVC GLUE (Step 2 of 2)



Size	Part #	Weight	List
1 quart	6-9130	2.0	<b>38.00</b>
1 gallon	6-9140	8.5	<b>100.00</b>

Gray, C-200, PVC 12, Heavy Body for larger diameters.

When primer is still wet, apply heavy amt of glue on pipe & lighter amt. in socket. Wipe off excess.

## PIPE LUBE



Size	Part #	Weight	List
1 quart	6-9160	2.0	<b>15.00</b>
1 gallon	6-9150	8.5	<b>31.00</b>

One gallon of pipe lube will cover 50 8" pipe joints.

# WHY WAIT ON Custom Built Fittings

Fast, Low Cost Custom Built Irrigation & Industrial Fittings

Available in:

- Steel Powder Coat
- Steel Galvanized
- Aluminum
- Cast Aluminum
- PVC
- Stainless Steel #304

Call, fax, or e-mail your drawing, and we will  
send you a price.



# TOW LINE / WHEELMOVE

## Section Two



Towline/Wheelmove

🌀 Tow Line Parts	30-31
🌀 Wheel Move	32
🌀 Hy-Flow Fittings	33-38
🌀 Hose Fittings	39-41
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🌀 Hose Clamps	44-47
🌀 Hose Accessories	46

## TOW COUPLER

All steel construction, zinc plated.  
Includes 2 Gaskets, 1 Quick Drain  
and 4 Half-Moon Pins.



Size	Part #	Weight	List
4"	3-0310	6.3	95.00

## STABILIZER CONVERSION KIT

Includes gaskets and pins.



Size	Part #	Weight	List
4"	3-0530	25.0	270.00

## TOW COUPLER EAR

Made of formed steel.  
Welds to coupler body and holds half  
moon pin.



Size	Part #	Weight	List
3/8"	3-0320	0.3	1.00

## TOW COUPLER SKID PAN

Formed steel wear pan.  
Welds to bottom of coupler body.



Size	Part #	Weight	List
----	3-0330	0.6	3.00

## QUICK DRAIN

Fits into bottom of coupler body to  
drain line when shut down.  
Cotter pin is included.



Size	Part #	Weight	List
----	3-0340	0.0	1.50

## GASKET (LINDSAY)

Specify Drain or Non-Drain style.  
Fits coupler and stabilizer.  
**Stabilizer must have Non-Drain Gasket.**



Size	Part #	Weight	List
4" Drain	3-0350	0.3	2.00
4" Non-Drain	6-1614	0.3	3.20

## TOW PLUG

Fits into end coupler of tow line as  
hitch for towing.



Size	Part #	Weight	List
4"	3-0540	5.5	35.00

## TOW LINE PIPE



Size	Part #	Weight	List
4" x 40'	3-0380	35.6	337.00

Aluminum.  
Comes with Half-Moon Pins, Straps & Bolts installed.

## HALF MOON CLAMP



Galvanized steel.  
Attaches pipe to coupler with tow pins.

Size	Part #	Weight	List
4"	3-0410	0.9	4.00

## HALF MOON BOLT & NUT



Washer included with bolt.

Size	Part #	Weight	List
Bolt: 5/16" x 5/8"	3-0420	0.1	0.06
Nut: 5/16"	3-0430	0.1	0.03

## HALF MOON STRAP



Galvanized.  
Bolts to back side of half moon clamp to prevent clamp from pulling off of pipe.

Size	Part #	Weight	List
1"	3-0440	0.2	1.00

## HALF MOON PIN



Hardened steel, plated.  
Connects tow line pipe to coupler and stabilizer.

Size	Part #	Weight	List
3/8"	3-0450	0.1	1.50

## RISERS



Steel tubing.

3/4" FPT x 1" MPT				1" MPT x 1" MPT			
Size	Part #	Weight	List	Size	Part #	Weight	List
6" FxM	3-0465	0.6	8.00				
12" FxM	3-0460	0.9	9.50	12" MxM	3-0470	0.9	9.50
18" FxM	3-0466	1.1	11.00				
24" FxM	3-0461	1.4	12.50	24" MxM	3-0471	1.4	12.50
30" FxM	3-0467	1.6	14.00				
36" FxM	3-0468	1.9	15.00				
40" FxM	3-0462	2.1	17.00	40" MxM	3-0472	2.1	17.00
48" FxM	3-0469	2.5	19.00				
60" FxM	3-0463	2.9	22.00	60" MxM	3-0473	2.9	22.00
72" FxM	3-0464	3.4	25.00	72" MxM	3-0474	3.4	25.00

Towline/Wheelmove

# WHEEL MOVE (WHEELINE, SIDEROLL)

## WHEEL MOVE (COMPLETE)



Size	Part #	Weight	List
4"x 1280'	5-0160	Call	<b>Call</b>
5"x 1280'	5-0161	Call	<b>Call</b>

## WHEEL MOVE COUPLER SET (CAST ALUMINUM)



Size	Part #	Weight	List
4" Press-on	5-0167	8.0	<b>109.00</b>
5" Weld-on	5-0168	6.3	<b>125.00</b>

## SPRINKLER LEVELER



Size	Part #	Weight	List
3/4"	5-0165	2.4	<b>19.00</b>

## LEVELER ELBOW



Size	Part #	Weight	List
1" x 3/4"	5-0166	1.0	<b>12.00</b>

## WHEELS



Distance	# of Turns	Size	Dimension	Part #	4" Hub		5" Hub		
					Weight	List	Part #	Weight	List
		4'	48" 18ga	5-0170	34.0	<b>162.00</b>	5-0171	35.0	<b>162.00</b>
60'	4	5'	58" 18ga	5-0172	42.0	<b>132.00</b>	5-0173	42.0	<b>132.00</b>
50'	3	6'	64" 18ga	5-0174	44.0	<b>145.00</b>	5-0175	44.0	<b>145.00</b>
60'	3	7'	76" 18ga	5-0176	56.0	<b>182.00</b>	5-0177	56.0	<b>182.00</b>
50'	2	8'	96" 16ga	5-0178	78.0	<b>375.00</b>	5-0179	78.0	<b>375.00</b>
60'	2	10'	120" 16ga	5-0180	113.0	<b>595.00</b>	5-0181	113.0	<b>595.00</b>

## WIND BRACE



Size	Part #	5'		6' - 7'		
		Weight	List	Part #	Weight	List
4"	5-0182	8.3	<b>79.00</b>	5-0183	9.8	<b>86.00</b>
5"	5-0184	8.9	<b>79.00</b>	5-0185	9.8	<b>86.00</b>



## HY-FLOW COUPLING SET (SHUG GRIP TYPE)



- Complete sets include everything shown above
- Can be pulled with water inside hose.



### Double Bolt:

Conn Dia	Barb Dia	Collar Style	Part #	Weight	List
6"	4"	Drill & Tap	9-8363	-	<b>612.00</b>
6"	4-1/2"	Drill & Tap	9-8365	-	<b>638.00</b>
6"	5"	Drill & Tap	9-8367	-	<b>563.00</b>
6"	5-1/2"	Drill & Tap	9-8369	-	<b>579.00</b>
6"	6"	Drill & Tap	9-8371	-	<b>532.00</b>
6"	7"	Drill & Tap	9-8373	-	<b>594.00</b>
6"	7-1/4"	Drill & Tap	9-8375	-	<b>867.00</b>
8"	7"	Drill & Tap	9-8377	-	<b>858.00</b>
8"	7-1/4"	Drill & Tap	9-8379	-	<b>1,012.00</b>
8"	8"	Drill & Tap	9-8381	-	<b>919.00</b>
6"	4-1/2"	Nut & Bolt	9-8364	-	<b>638.00</b>
6"	5"	Nut & Bolt	9-8366	-	<b>563.00</b>
6"	5-1/2"	Nut & Bolt	9-8368	-	<b>579.00</b>
6"	6"	Nut & Bolt	9-8370	-	<b>532.00</b>
6"	7"	Nut & Bolt	9-8372	-	<b>594.00</b>
6"	7-1/4"	Nut & Bolt	9-8374	-	<b>867.00</b>
8"	7"	Nut & Bolt	9-8376	-	<b>858.00</b>
8"	7-1/4"	Nut & Bolt	9-8378	-	<b>1,012.00</b>
8"	8"	Nut & Bolt	9-8380	-	<b>919.00</b>
10"	10"	Nut & Bolt	9-8382	-	<b>1,404.00</b>
12"	12"	Nut & Bolt	9-8383	-	<b>2,178.00</b>

### Single Bolt:

Conn Dia	Barb Dia	Collar Style	Part #	Weight	List
6"	4"	Drill & Tap	9-8384	-	<b>576.00</b>
6"	4-1/2"	Drill & Tap	9-8386	-	<b>603.00</b>
6"	5"	Drill & Tap	9-8388	-	<b>528.00</b>
6"	5-1/2"	Drill & Tap	9-8390	-	<b>544.00</b>
6"	6"	Drill & Tap	9-8392	-	<b>497.00</b>
6"	4-1/2"	Nut & Bolt	9-8385	-	<b>603.00</b>
6"	5"	Nut & Bolt	9-8387	-	<b>528.00</b>
6"	5-1/2"	Nut & Bolt	9-8389	-	<b>544.00</b>
6"	6"	Nut & Bolt	9-8391	-	<b>497.00</b>

**HY-FLOW HOSE MENDER SET**  
(SHUG GRIP TYPE)
**Double Bolt:**

Barb Dia	Collar Style	Part #	Weight	List
4"	Drill & Tap	9-8393	-	<b>194.00</b>
4-1/2"	Drill & Tap	9-8395	-	<b>198.00</b>
5"	Drill & Tap	9-8397	-	<b>220.00</b>
5-1/2"	Drill & Tap	9-8399	-	<b>222.00</b>
6"	Drill & Tap	9-8401	-	<b>273.00</b>
7"	Drill & Tap	9-8403	-	<b>530.00</b>
7-1/4"	Drill & Tap	9-8405	-	<b>590.00</b>
8"	Drill & Tap	9-8407	-	<b>514.00</b>
4-1/2"	Nut & Bolt	9-8394	-	<b>198.00</b>
5"	Nut & Bolt	9-8396	-	<b>220.00</b>
5-1/2"	Nut & Bolt	9-8398	-	<b>222.00</b>
6"	Nut & Bolt	9-8400	-	<b>273.00</b>
7"	Nut & Bolt	9-8402	-	<b>530.00</b>
7-1/4"	Nut & Bolt	9-8404	-	<b>590.00</b>
8"	Nut & Bolt	9-8406	-	<b>514.00</b>
10"	Nut & Bolt	9-8408	-	<b>748.00</b>
12"	Nut & Bolt	9-8409	-	<b>817.00</b>

**Single Bolt:**

Barb Dia	Collar Style	Part #	Weight	List
4"	Drill & Tap	9-8410	-	<b>172.00</b>
4-1/2"	Drill & Tap	9-8412	-	<b>176.00</b>
5"	Drill & Tap	9-8414	-	<b>198.00</b>
5-1/2"	Drill & Tap	9-8416	-	<b>200.00</b>
6"	Drill & Tap	9-8418	-	<b>246.00</b>
4-1/2"	Nut & Bolt	9-8411	-	<b>176.00</b>
5"	Nut & Bolt	9-8413	-	<b>198.00</b>
5-1/2"	Nut & Bolt	9-8415	-	<b>200.00</b>
6"	Nut & Bolt	9-8417	-	<b>246.00</b>

# HY-FLOW MENDERS & ADAPTERS

## HY-FLOW DECREASING MENDER (SHUG GRIP TYPE)



### Double Bolt:

Barb Dia	Collar Style	Part #	Weight	List
4-1/2" x 4"	Drill & Tap	9-8419	-	246.00
5" x 4"	Drill & Tap	9-8420	-	246.00
5" x 4-1/2"	Drill & Tap	9-8422	-	282.00
5-1/2" x 5"	Drill & Tap	9-8424	-	319.00
6" x 5"	Drill & Tap	9-8426	-	351.00
6" x 5-1/2"	Drill & Tap	9-8428	-	372.00
7" x 6"	Drill & Tap	9-8430	-	510.00
7-1/4" x 6"	Drill & Tap	9-8432	-	556.00
7-1/4" x 7"	Drill & Tap	9-8434	-	561.00
8" x 7"	Drill & Tap	9-8436	-	579.00
8" x 7-1/4"	Drill & Tap	9-8438	-	594.00
5" x 4-1/2"	Nut & Bolt	9-8421	-	282.00
5-1/2" x 5"	Nut & Bolt	9-8423	-	319.00
6" x 5"	Nut & Bolt	9-8425	-	351.00
6" x 5-1/2"	Nut & Bolt	9-8427	-	372.00
7" x 6"	Nut & Bolt	9-8429	-	510.00
7-1/4" x 6"	Nut & Bolt	9-8431	-	556.00
7-1/4" x 7"	Nut & Bolt	9-8433	-	561.00
8" x 7"	Nut & Bolt	9-8435	-	579.00
8" x 7-1/4"	Nut & Bolt	9-8437	-	594.00

### Single Bolt:

Barb Dia	Collar Style	Part #	Weight	List
5" x 4"	Drill & Tap	9-8439	-	198.00
6" x 5"	Drill & Tap	9-8440	-	286.00

## HY-FLOW ADAPTER-FEMALE X FEMALE (ALUMINUM)



Size	Part #	Weight	List
6" x 5"	9-8452	-	158.00
8" x 6"	9-8453	-	480.00
10" x 8"	9-8454	-	664.00
12" x 10"	9-8455	-	1,492.00

## HY-FLOW ADAPTER-MALE X MALE (ALUMINUM)



Size	Part #	Weight	List
6" x 5"	9-8456	-	158.00
8" x 6"	9-8457	-	480.00
10" x 8"	9-8458	-	664.00
12" x 10"	9-8459	-	1,492.00

Towline/Wheelmove

**HY-FLOW REDUCER**  
 (ALUMINUM)


Size	Part #	Weight	List
8" x 6"	9-8463	-	<b>480.00</b>
10" x 8"	9-8464	-	<b>664.00</b>
12" x 10"	9-8465	-	<b>1,492.00</b>

**HY-FLOW INCREASER**  
 (ALUMINUM)


Size	Part #	Weight	List
8" x 6"	9-8460	-	<b>480.00</b>
10" x 8"	9-8461	-	<b>664.00</b>
12" x 10"	9-8462	-	<b>1,492.00</b>

**HY-FLOW COUPLER**  
 (STEEL)


Size	Part #	Weight	List
5"	9-8441	-	<b>95.00</b>
6" (5.5")	9-7921	9.0	<b>99.00</b>
8"	9-7923	11.0	<b>185.00</b>
10"	9-8354	-	<b>276.00</b>
12"	9-8355	-	<b>739.00</b>

Also available in Aluminum

**HY-FLOW MALE END**  
 (STEEL)


Size	Part #	Weight	List
5"	9-8442	-	<b>104.00</b>
6" (5.5")	9-7924	6.8	<b>80.00</b>
8"	9-7926	9.6	<b>174.00</b>
10"	9-8356	-	<b>294.00</b>
12"	9-8357	-	<b>845.00</b>

Also available in Aluminum

**HY-FLOW RING**  
 (STEEL)


Size	Part #	Weight	List
6"	9-7927	-	<b>21.00</b>
8"	9-7928	-	<b>26.00</b>
10"	9-8358	-	<b>38.00</b>
12"	9-8359	-	<b>65.00</b>

## HY-FLOW HOSE BARB (STEEL)



- Use with Double Bolt Segmented Collar
- Collar NOT included, see below.
- Also available in Aluminum

Size	Part #	Weight	List
4"	9-8443	-	47.00
4-1/2"	9-8444	-	48.00
5"	9-8445	-	52.00
5-1/2"	9-8446	-	60.00
6"	9-8447	-	65.00
7"	9-8448	-	115.00
8"	9-8449	-	128.00
10"	9-8450	-	182.00
12"	9-8451	-	246.00

## HY-FLOW SEGMENTED COLLAR



### Double Bolt:

Barb Dia	Collar Style	Part #	Weight	List
4"	Drill & Tap	9-8475	-	88.00
4-1/2"	Drill & Tap	9-8477	-	92.00
5"	Drill & Tap	9-8479	-	106.00
5-1/2"	Drill & Tap	9-8481	-	114.00
6"	Drill & Tap	9-8483	-	119.00
7"	Drill & Tap	9-8485	-	123.00
7-1/4"	Drill & Tap	9-8487	-	194.00
8"	Drill & Tap	9-8489	-	141.00
4-1/2"	Nut & Bolt	9-8476	-	92.00
5"	Nut & Bolt	9-8478	-	106.00
5-1/2"	Nut & Bolt	9-8480	-	114.00
6"	Nut & Bolt	9-8482	-	119.00
7"	Nut & Bolt	9-8484	-	123.00
7-1/4"	Nut & Bolt	9-8486	-	194.00
8"	Nut & Bolt	9-8488	-	141.00
10"	Nut & Bolt	9-8490	-	449.00
12"	Nut & Bolt	9-8491	-	510.00



### Single Bolt:

Barb Dia	Collar Style	Part #	Weight	List
4"	Drill & Tap	9-8466	-	80.00
4-1/2"	Drill & Tap	9-8468	-	85.00
5"	Drill & Tap	9-8470	-	95.00
5-1/2"	Drill & Tap	9-8472	-	101.00
6"	Drill & Tap	9-8474	-	106.00
4-1/2"	Nut & Bolt	9-8467	-	85.00
5"	Nut & Bolt	9-8469	-	95.00
5-1/2"	Nut & Bolt	9-8471	-	101.00
6"	Nut & Bolt	9-8473	-	106.00

**HY-FLOW SLEEVE**

Size	Part #	Weight	List
5"	9-8496	-	<b>22.00</b>
6" (5.5")	9-8497	-	<b>26.00</b>
8"	9-8498	-	<b>60.00</b>
10"	9-8499	-	<b>81.00</b>
12"	9-8500	-	<b>168.00</b>

**HY-FLOW GASKET**

Size	Part #	Weight	List
5"	9-8501	-	<b>10.00</b>
6" (5.5")	9-8502	-	<b>16.00</b>
8"	9-8503	-	<b>15.00</b>
10"	9-8504	-	<b>19.00</b>
12"	9-8505	-	<b>24.00</b>

**HY-FLOW CLAMP**

Size	Part #	Weight	List
5"	9-8506	-	<b>69.00</b>
6"	9-8507	-	<b>79.00</b>
8"	9-8508	-	<b>83.00</b>
10"	9-8509	-	<b>103.00</b>
12"	9-8510	-	<b>176.00</b>

**HY-FLOW NUTS AND BOLTS**

Sold in Bags of 10

**Collars:**

Collar Dia.	Size	Part #	Weight	List
4"-8" Tapped	3/8-16 x 1.50"	9-8492	-	<b>20.00</b>
4-1/2" Nut/Bolt	3/8-16 x 2.25"	9-8493	-	<b>25.00</b>
5"-8" Nut/Bolt	3/8-16 x 2.50"	9-8494	-	<b>29.00</b>
10"-12" Nut/Bolt	1/2-13 x 3.00"	9-8495	-	<b>55.00</b>

**Clamps:**

Clamp Dia.	Size	Part #	Weight	List
5"-12"	5/16-18 x 1.25"	9-8511	-	<b>8.00</b>

**HY-FLOW CLEVIS**

Sold in Bags of 10

Size	Part #	Weight	List
5/16"	9-8512	-	<b>21.00</b>



## HOSE BARB - WELD-ON (BLACK & STAINLESS STEEL)



Size	No. of Ribs	Black Steel			Stainless Steel		
		Part #	Weight	List	Part #	Weight	List
2"	2	3-0601	0.4	<b>16.00</b>	9-8166	0.4	<b>66.00</b>
2-1/2"	2	9-5014	0.6	<b>18.00</b>			
3"	2	3-0602	0.8	<b>19.00</b>	9-8167	0.8	<b>88.00</b>
4"	3	3-0603	1.8	<b>20.00</b>	9-8168	1.8	<b>105.00</b>
4-1/2"	2	3-0604	1.9	<b>25.00</b>			
5"	2	3-0605	2.0	<b>25.00</b>	9-8169	2.0	<b>110.00</b>
6"	3	3-0606	3.3	<b>29.00</b>	9-8170	3.3	<b>143.00</b>
8"	3	3-0607	5.4	<b>45.00</b>	9-8171	5.4	<b>639.00</b>
10"	3	3-0608	10.0	<b>89.00</b>	9-8172	10.0	<b>210.00</b>
12"	2	3-0609	12.1	<b>105.00</b>	9-8173	12.1	<b>250.00</b>
14"					9-8174	15.0	<b>308.00</b>
16"	3	9-7553	18.8	<b>150.00</b>			

## HOSE BARB - WELD-ON (ALUMINUM)



Size	Thickness	Aluminum			Cast Aluminum			Sharp Barb		
		Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
3"	.050	3-0641	0.5	<b>40.00</b>						
4"	.072	3-0652	1.1	<b>55.00</b>	9-8341	1.5	<b>49.00</b>	3-0636	1.5	<b>110.00</b>
4-1/2"								3-0637	1.7	<b>115.00</b>
5"	.078	3-0642	1.4	<b>45.00</b>				3-0638	1.9	<b>149.00</b>
6"	.058	3-0643	1.3	<b>50.00</b>	9-7794	2.6	<b>64.00</b>	3-0639	2.2	<b>155.00</b>
8"	.064	3-0644	1.9	<b>55.00</b>	9-7795	4.1	<b>88.00</b>	9-7803	-	<b>157.00</b>
10"					9-7796	6.0	<b>118.00</b>	9-8195	-	<b>140.00</b>

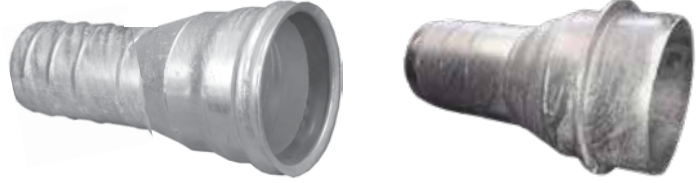
## HOSE ADAPTER - RINGLOCK (GALVANIZED STEEL)



Size	Female RL			Male RL		
	Part #	Weight	List	Part #	Weight	List
3"	6-8050	3.4	<b>37.00</b>	6-8053	3.0	<b>35.00</b>
4"	6-8051	4.5	<b>49.00</b>	6-8054	4.0	<b>47.00</b>
5"	6-8052	5.6	<b>62.00</b>	6-8055	5.0	<b>62.00</b>
6"	3-0681	6.1	<b>71.00</b>	3-0680	6.1	<b>68.00</b>
8"	3-0683	9.9	<b>112.00</b>	3-0682	9.9	<b>100.00</b>
10"	3-0679	13.3	<b>130.00</b>	3-0678	11.0	<b>128.00</b>
12"	3-0664	15.5	<b>223.00</b>	3-0663	14.0	<b>221.00</b>

Also Available in Cast Aluminum, call for prices.

## HOSE ADAPTER - INCREASERS (GALVANIZED STEEL)



Size Barb x RL	Female RL			Male RL		
	Part #	Weight	List	Part #	Weight	List
4" x 6"	9-8117	5.8	<b>112.00</b>	9-8120	5.8	<b>112.00</b>
4-1/2" x 6"	9-8118	5.9	<b>138.00</b>	9-8121	5.9	<b>138.00</b>
6" x 8"	9-8119	10.3	<b>145.00</b>	9-8122	10.3	<b>145.00</b>

Also Available in Cast Aluminum, call for prices.

## HOSE ADAPTER - B&H (GALVANIZED STEEL)



Size	Female B&H			Male B&H		
	Part #	Weight	List	Part #	Weight	List
2"	6-8056	2.6	<b>39.00</b>	6-8060	1.9	<b>45.00</b>
3"	6-8057	4.5	<b>46.00</b>	6-8061	3.3	<b>52.00</b>
4"	6-8058	6.0	<b>52.00</b>	6-8062	4.3	<b>58.00</b>
5"	6-8059	7.5	<b>75.00</b>	6-8063	5.4	<b>90.00</b>
6"	9-5321	9.0	<b>88.00</b>	9-5322	6.5	<b>110.00</b>

## HOSE ADAPTER - FLANGED (GALVANIZED STEEL)



Size	Part #	Weight	List
4"	9-8301	8.7	<b>65.00</b>
6"	9-8302	12.3	<b>89.00</b>
8"	9-8303	18.0	<b>125.00</b>
10"	9-8304	26.3	<b>189.00</b>
12"	9-8305	34.6	<b>229.00</b>

Also Available in Cast Aluminum, call for prices.

## HOSE MENDER



Size	Galvanized Steel			Plated Steel			Aluminum		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
1/2"				9-6835	0.1	<b>4.00</b>			
3/4"				9-6836	0.2	<b>5.00</b>			
1"				9-6837	0.3	<b>5.00</b>			
1-1/4"				9-6838	0.5	<b>7.50</b>			
1-1/2"				9-6839	0.5	<b>7.50</b>			
2"	6-8064	2.2	<b>37.00</b>	9-6840	0.8	<b>9.00</b>			
2-1/2"				9-6841	1.7	<b>12.00</b>			
3"	6-8065	3.8	<b>41.00</b>	9-6842	2.4	<b>23.00</b>	3-0645	0.5	<b>60.00</b>
4"	6-8066	5.0	<b>45.00</b>	9-6843	2.9	<b>36.00</b>	3-0653	1.1	<b>77.00</b>
5"	6-8067	6.3	<b>66.00</b>	9-6844	6.9	<b>114.00</b>	3-0646	1.4	<b>65.00</b>
6"	6-8068	7.5	<b>71.00</b>	9-6845	13.2	<b>93.00</b>	3-0647	1.3	<b>75.00</b>
8"	6-8069	14.0	<b>108.00</b>	9-6846	20.9	<b>193.00</b>	3-0648	1.9	<b>85.00</b>
10"	9-7892	16.0	<b>166.00</b>	9-6847	21.8	<b>349.00</b>			
12"	9-7893	20.0	<b>227.00</b>	9-6848	33.2	<b>449.00</b>			

Towline/Wheelmove

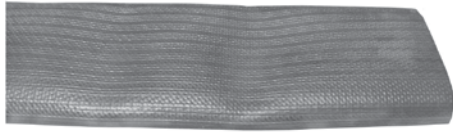
## KING NIPPLE (PLATED STEEL)



Size	Part #	Weight	List
1/2"	6-7000	0.2	<b>2.50</b>
3/4"	6-7001	0.3	<b>2.60</b>
1"	6-7002	0.6	<b>3.20</b>
1-1/4"	6-7003	0.7	<b>4.50</b>
1-1/2"	6-7004	1.1	<b>6.10</b>
2"	6-7005	1.7	<b>6.50</b>
2-1/2"	6-7006	2.1	<b>15.50</b>
3"	6-7007	3.1	<b>15.00</b>
4"	6-7008	3.1	<b>19.00</b>
5"	6-7009	4.1	<b>55.00</b>
6"	6-7010	12.2	<b>72.50</b>
8"	6-7011	16.4	<b>130.00</b>
10"	6-7012	21.8	<b>241.00</b>
12"	6-7013	33.2	<b>350.00</b>

# DISCHARGE HOSE

## DISCHARGE HOSE (RUBBER-HIGH PRESSURE)


**Features:**

1. Ideal for Wheeline systems
2. Black rubber covering
3. Sized for use with irrigation fittings
4. Lightweight and flexible
5. Abrasion, UV, and kink resistant
6. Heavy duty discharge for use as a mainline for water and liquid manure, or agricultural and industrial sludge

Size	Max PSI	Flat Measurement	Part #	Wt/ft	List/ft
1-1/2"	150	2-1/2"	3-0590	0.8	<b>6.20</b>
2"	150	3-3/16"	3-0591	1.1	<b>6.80</b>
2-1/2"	150	4"	3-0592	1.5	<b>9.10</b>
3"	300	4-7/8"	3-0593	1.8	<b>9.20</b>
4"	300	6-1/4"	3-0651	0.8	<b>12.00</b>
4-1/2"	174	7-1/8"	3-0584	1.2	<b>17.00</b>
5"	300	7-7/8"	3-0597	1.0	<b>16.00</b>
6"	300	10"	3-0670	1.6	<b>19.00</b>
8"	200	13"	3-0671	2.6	<b>24.00</b>
10"	200	16"	3-0585	5.1	<b>40.00</b>
12"	150	19"	3-0586	5.8	<b>75.00</b>
16"	55		9-6850	3.5	<b>145.00</b>

\*\*\*We build custom hose assemblies\*\*\*

## DISCHARGE HOSE (ORANGE PVC-MEDIUM PRESSURE)



Size	Max PSI	Part #	Wt/ft	List/ft
1-1/2"	150	3-0570	0.2	<b>2.00</b>
2"	150	3-0571	0.3	<b>3.00</b>
2-1/2"	150	3-0572	0.4	<b>4.00</b>
3"	150	3-0573	0.5	<b>5.00</b>
4"	125	3-0574	0.8	<b>7.00</b>
6"	115	3-0575	1.2	<b>13.00</b>
8"	70	3-0576	1.6	<b>24.00</b>
10"	65	9-8134	2.0	<b>44.00</b>

\*\*\*We build custom hose assemblies\*\*\*

## DISCHARGE HOSE (BLUE PVC-LOW PRESSURE)



Size	Max PSI	Part #	Wt/ft	List/ft
1-1/2"	70	3-0598	0.2	<b>1.00</b>
2"	65	3-0594	0.2	<b>1.30</b>
2-1/2"	60	3-0599	0.3	<b>2.00</b>
3"	60	3-0595	0.4	<b>2.20</b>
4"	60	3-0596	0.5	<b>2.90</b>
5"	40	9-6817	0.7	<b>10.50</b>
6"	45	3-0580	0.9	<b>5.00</b>
8"	45	3-0581	1.3	<b>10.00</b>
10"	35	3-0582	1.8	<b>30.00</b>
12"	30	3-0583	2.0	<b>41.00</b>
14"	30	6-9930	2.6	<b>65.00</b>
16"	30	6-9931	3.1	<b>79.00</b>

\*\*\*We build custom hose assemblies\*\*\*

**Features:**

1. Ideal for drip irrigation
2. No pig tailing
3. No snaking
4. Twisted yarn assures stability throughout the length of hose
5. Allows many times of use with the convenience of easy coiling for storage

## PVC SUCTION HOSE (CORRUGATED-RIGHT SPIRAL)



• Left Hand Spiral also available. Please call.

Size ID	OD	Part #	Wt/ft	List/ft
1-1/2"	1.87"	6-0807	0.4	<b>4.00</b>
2"	2.41"	6-0808	0.6	<b>5.00</b>
2-1/2"	2.87"	3-0900	0.8	<b>7.00</b>
3"	3.54"	6-0809	1.0	<b>10.00</b>
4"	4.65"	3-0672	1.7	<b>19.00</b>
5"	5.73"	3-0675	2.3	<b>29.00</b>
6"	6.98"	3-0673	4.1	<b>38.00</b>
8"	9.14"	3-0674	6.3	<b>66.00</b>
10"	11.30"	3-0901	9.1	<b>88.00</b>
12"	13.31"	3-0902	10.1	<b>119.00</b>

\*\*\*We build custom hose assemblies\*\*\*

## PVC SUCTION HOSE (SMOOTH)



Size ID	OD	Part #	Wt/ft	List/ft
1-1/2"	1.82"	6-0010	0.5	<b>3.00</b>
2"	2.34"	6-0011	0.7	<b>4.00</b>
2-1/2"	2.88"	6-9929	1.0	<b>6.00</b>
3"	3.40"	6-0012	1.3	<b>8.00</b>
4"	4.44"	6-0013	1.9	<b>12.00</b>
5"	5.65"	6-0014	3.1	<b>17.00</b>
6"	6.56"	6-0015	4.6	<b>28.00</b>
8"	8.95"	6-0016	7.1	<b>52.00</b>
10"	11.34"	3-0903	12.4	<b>130.00</b>
12"	13.39"	3-0904	15.7	<b>161.00</b>

\*\*\*We build custom hose assemblies\*\*\*

## SUCTION HOSE (BLACK RUBBER)



Size ID	OD	DB Clamp #	Max PSI	Part #	Wt/ft	List/ft
1-1/2"	1.89"	-	150	6-0800	0.8	<b>6.00</b>
2"	2.40"	-	150	6-0801	1.0	<b>8.00</b>
2-1/2"	3.00"	-	100	9-7723	1.8	<b>8.00</b>
3"	3.46"	400	150	6-0802	1.5	<b>10.00</b>
4"	4.49"	525	150	6-0803	2.1	<b>14.00</b>
5"	5.55"	639	150	6-0804	3.3	<b>23.00</b>
6"	6.54"	769	75	6-0805	3.8	<b>26.00</b>
8"	8.70"	875	75	6-0806	6.5	<b>44.00</b>
10"	10.71"	1125	45	3-0905	9.7	<b>68.00</b>
12"	12.80"	1360	90	3-0906	14.1	<b>121.00</b>

\*\*\*We build custom hose assemblies\*\*\*

Towline/Wheelmove

# HOSE CLAMPS

## T-BOLT HOSE CLAMP (ZINC PLATED)



**Zinc Plated Band, Bolt & Nut**

**W1**  
**MIKALOR**

**Features:**

- 1" Wide Band
- Double Galvanization
- Allen screws allow for tightening in the points where there are space problems
- Thorough spot welding with high resistance to corrosion
- Use in agriculture, industry, construction, and wastewater
- Can be used many times over
- High resistance to corrosion

MM	Inches	Type	Box Qty	Part #	Weight	List
26-28	1.02-1.10	0.75" Suction	50	3-0703	0.2	2.00
29-31	1.14-1.22	1.0" Discharge	50	3-0704	0.2	2.50
32-35	1.26-1.38	1.0" Suction	50	3-0705	0.2	2.50
36-39	1.42-1.54		50	3-0706	0.2	2.70
40-43	1.57-1.69	1.5" Discharge	50	3-0708	0.2	4.20
44-47	1.73-1.85		50	9-5433	0.2	5.00
48-51	1.89-2.01	1.5" Suction	50	3-0709	0.2	4.50
52-55	2.05-2.17	2.0" Discharge	25	3-0710	0.2	4.60
56-59	2.20-2.32		25	9-5434	0.2	5.50
60-63	2.36-2.48	2.0" Suction	25	3-0712	0.2	6.20
64-67	2.52-2.64		25	3-0713	0.2	6.20
68-73	2.68-2.87	2.5" Discharge	25	3-0714	0.4	6.40
74-79	2.91-3.11	2.5" Suction	25	3-0715	0.4	6.40
80-85	3.15-3.35	3.0" Discharge	25	3-0716	0.4	6.50
86-91	3.39-3.58	3.0" Suction	25	3-0717	0.4	6.50
92-97	3.62-3.82		25	9-5435	0.4	6.50
98-103	3.86-4.06		25	3-0719	0.4	6.60
104-112	4.09-4.41	4.0" Discharge	25	3-0660	0.5	7.00
113-121	4.45-4.76	4.5" Suction	25	3-0720	0.5	7.00
122-130	4.80-5.12		25	3-0721	0.5	9.50
131-139	5.16-5.47	5.0" Discharge	10	3-0722	0.7	9.50
140-148	5.51-5.83	5.0" Suction	10	3-0723	0.7	10.00
149-161	5.87-6.34	6.0" Discharge	10	3-0661	0.7	10.00
162-174	6.38-6.85	6.0" Suction	10	3-0724	0.8	11.00
175-187	6.89-7.36	(For 6" SuctionBoot)	10	3-0725	0.9	11.00
188-200	7.40-7.87		10	3-0726	0.9	11.50
201-213	7.91-8.39	8.0" Discharge	10	3-0662	0.9	12.00
214-226	8.43-8.90	8.0" Suction	10	3-0727	1.0	13.50
227-239	8.94-9.41	(For 8" SuctionBoot)	10	3-0728	1.0	13.50
240-252	9.45-9.92		10	3-0729	1.0	15.00

## T-BOLT HOSE CLAMP (STAINLESS STEEL BAND W/ZINC PLATED HARDWARE)



**Stainless Steel Band,  
Zinc Plated Bolt & Nut  
(Hybrid)**

**W2**  
**MIKALOR**

1" Wide Band

MM	Inches	Type	Box Qty	Part #	Weight	List
47-51	1.85-2.01	1.5" Suction	50	9-6891	0.1	12.10
51-55	2.01-2.17	2.0" Discharge	25	9-6892	0.1	12.10
55-59	2.17-2.32		25	9-6893	0.1	12.10
59-63	2.32-2.48	2.0" Suction	25	9-6894	0.1	12.90
63-68	2.48-2.68		25	9-6895	0.1	12.90
68-73	2.68-2.88	2.5" Discharge	25	9-6896	0.2	16.50
73-79	2.88-3.11	2.5" Suction	25	9-6897	0.2	17.10
79-85	3.11-3.35	3.0" Discharge	25	9-6898	0.2	17.80
85-91	3.35-3.59	3.0" Suction	25	9-6899	0.2	17.80
91-97	3.59-3.82		25	9-6900	0.2	17.80
97-104	3.82-4.10		25	9-6901	0.2	17.80
104-112	4.10-4.41	4.0" Discharge	25	9-6902	0.2	18.10
112-121	4.41-4.77	4.0" Suction	25	9-6903	0.2	18.10
121-130	4.77-5.12		25	9-6904	0.2	18.80
130-140	5.12-5.52	5.0" Discharge	10	9-6905	0.3	24.10
140-150	5.52-5.91	5.0" Suction	10	9-6906	0.3	24.10
150-162	5.91-6.38	6.0" Discharge	10	9-6907	0.3	24.90
162-174	6.38-6.86	6.0" Suction	10	9-6908	0.3	24.90
174-187	6.86-7.37	(For 6" Suction Boot)	10	9-6909	0.3	25.50
187-200	7.37-7.88		10	9-6910	0.4	25.50
201-213	7.88-8.39	8.0" Discharge	10	9-6911	0.4	27.40
213-226	8.39-8.90	8.0" Suction	10	9-6912	0.4	27.40
226-239	8.90-9.42	(For 8" Suction Boot)	10	9-6913	0.4	27.40
239-252	9.42-9.93		10	9-6914		27.40
252-265	9.93-10.44	10" Discharge	10	9-7539		24.00
265-278	10.44-10.95		10	9-8189		44.00
278-291	10.95-11.45	(For 10" Suction Boot)	10	9-8190		55.00
291-304	11.45-11.98		10	9-8191		58.00
304-317	11.98-12.49	12" Discharge**	10	9-7540		22.00
317-330	12.49-13.00		10	9-8192		66.00
330-343	13.00-13.51		10	9-8193		70.00
358-370	14.10-14.58	14" Discharge***	10	9-7541		23.00
408-420	16.08-16.55	16" Discharge***	10	9-7542		28.00

\*\*The 12" is a two band/two bolt clamp.

\*\*\*The 14" & 16" are not a Mikalor Clamp.



## T-BOLT HOSE CLAMP (ALL STAINLESS STEEL)



**All Stainless Steel**  
**Band, Bolt & Nut**

**W4**

**MIKALOR**

Ideal for use on waste water and liquid handling hose fittings:

- All stainless steel.
- 1" wide x .025 thick
- 300 Series Stainless Steel band with Stainless steel bolt.
- A strong, positive method of assembling hose, duct connections, tubing, and component parts. They are used for high torque applications where ordinary hose clamps fail. They provide a 360 degree sealing surface by using a shoe or formed bridge. Nuts are self-locking, vibration resistant with nylon inserts.

MM	Inches	Type	Box Qty	Part #	Weight	List
29-31	1.14-1.22	1.0" Discharge	50	6-9518	0.1	7.00
31-34	1.22-1.34	1.0" Suction	50	6-9519	0.1	7.00
34-37	1.34-1.46		50	9-8194	-	8.00
37-40	1.46-1.58		50	6-9520	0.1	8.00
40-43	1.58-1.69	1.5" Discharge	50	6-9521	0.1	8.00
43-47	1.69-1.85		50	6-9522	0.1	8.00
47-51	1.85-2.01	1.5" Suction	50	6-9523	0.1	8.00
51-55	2.01-2.17	2.0" Discharge	25	6-9524	0.1	8.00
55-59	2.17-2.32		25	6-9525	0.1	9.00
59-63	2.32-2.48	2.0" Suction	25	6-9526	0.1	9.00
63-68	2.48-2.68		25	6-9527	0.1	9.00
68-73	2.68-2.88	2.5" Discharge	25	6-9528	0.2	12.00
73-79	2.88-3.11	2.5" Suction	25	6-9529	0.2	13.00
79-85	3.11-3.35	3.0" Discharge	25	6-9530	0.2	13.00
85-91	3.35-3.59	3.0" Suction	25	6-9531	0.2	13.00
91-97	3.59-3.82		25	6-9532	0.2	13.00
97-104	3.82-4.10		25	6-9533	0.2	14.00
104-112	4.10-4.41	4.0" Discharge	25	6-9534	0.2	14.00
112-121	4.41-4.77	4.0" Suction	25	6-9535	0.2	14.00
121-130	4.77-5.12		25	6-9536	0.2	15.00
130-140	5.12-5.52	5.0" Discharge	10	6-9537	0.3	17.00
140-150	5.52-5.91	5.0" Suction	10	6-9538	0.3	18.00
150-162	5.91-6.38	6.0" Discharge	10	6-9539	0.3	18.00
162-174	6.38-6.86	6.0" Suction	10	6-9540	0.3	18.00
174-187	6.86-7.37	(For 6" Suction Boot)	10	6-9541	0.3	19.00
187-200	7.37-7.88		10	6-9542	0.4	19.00
200-213	7.88-8.39	8.0" Discharge	10	6-9543	0.4	19.00
213-226	8.39-8.90	8.0" Suction	10	6-9544	0.4	20.00
226-239	8.90-9.42	(For 8" Suction Boot)	10	6-9545	0.4	20.00
239-252	9.42-9.93		10	6-9546	0.4	20.00

Towline/Wheelmove

## DOUBLE BOLT CLAMP



Size	Type	Range	Part #	Weight	List
3"	# 400	3.50" - 3.81"	9-5801	1.5	13.00
4"	# 463	4.06" - 4.44"	3-0730	1.8	13.00
4-1/2"	# 525	4.25" - 4.94"	9-5802	2.3	18.00
5"	# 550	5.00" - 5.50"	9-5864	2.1	17.00
5-1/2"	# 600	5.50" - 6.06"	9-5865	3.0	20.00
6"	# 675	6.13" - 6.88"	3-0731	2.7	22.00
6-1/2"	# 769	6.50" - 7.56"	9-5803	3.8	25.00
7-7/8"	# 818	7.69" - 8.19"	9-5866	5.1	36.00
8"	# 875	8.25" - 8.88"	3-0732	5.6	39.00
9"	# 988	8.94" - 9.88"	9-5804	6.2	42.00
10"	# 1125	9.94" - 11.38"	3-0733	9.6	69.00
12"	# 1275	11.19" - 13.00"	3-0734	9.5	79.00
13"	# 1360	12.19" - 14.00"	9-5805	15.4	108.00
14-1/2"	# 1450	13.19" - 15.00"	9-5867	16.7	180.00
17"	# 1700	15.06" - 17.50"	9-5868	20.9	220.00

## DOUBLE BOLT SPIRAL CLAMP



Size	Right Hand Spiral (CW)			Left Hand Spiral (CCW)		
	Part #	Weight	List	Part #	Weight	List
1.5"	9-5001	0.2	9.00	9-7667	-	9.00
2"	6-9745	0.4	11.00	9-7668	-	11.00
2.5"	9-5003	0.5	12.00	9-7669	-	12.00
3"	6-9746	0.7	13.00	9-7670	-	13.00
4"	3-0800	1.0	17.50	9-7671	-	17.50
5"	3-0801	1.8	22.50	9-7672	-	22.50
6"	3-0802	2.0	20.00	9-7673	-	20.00
8"	3-0803	2.8	27.00	9-7674	-	27.00
10"	9-5000	3.5	31.00	9-7675	-	31.00
12"	9-5002	4.1	39.00	9-7676	-	39.00

## TOW HOSE



- Maximum: #125 psi
- Connects tow line to mainline.
- Both ends Male with hook & band.
- Other configurations and lengths available.

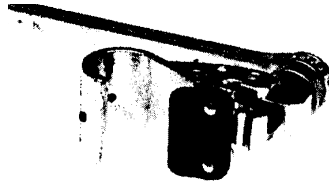
Size	Part #	Weight	List
4" x 12'	3-0655	14.0	<b>379.00</b>
4" x 17'	3-0650	18.0	<b>428.00</b>

## BAND-IT TOOL



Size	Part #	Weight	List
----	6-9093	4.5	<b>172.00</b>

## PREFORMED JUNIOR ADAPTER



Size	Part #	Weight	List
----	6-9094	-	<b>215.00</b>

\*For use with above tool on preformed clamps

## BANDING (STAINLESS STEEL)



- Other sizes are available, please call.
- Standard-Duty Type 201 Stainless.

Size	Part #	Weight	List
5/8" x 100'	6-9095	6.7	<b>189.00</b>
3/4" x 100'	9-7752	-	<b>213.00</b>

## BAND-IT BUCKLE



- For use with above Stainless Steel boxed banding.
- 100 Buckles/Box
- Standard-Duty Buckle

Size	Part #	Weight	List
5/8"	6-9096	2.6	<b>110.00</b>
3/4"	9-7753	-	<b>119.00</b>

## PREFORMED CLAMP



- For use with above tool and Jr. adapter
- Stainless Steel
- 25 per Box is available.

Type	Size	Part #	Weight	List
J215	3/4" wide x 5" ID	6-9097	0.3	<b>9.00</b>
J216	3/4" wide x 6" ID	6-9098	0.3	<b>10.00</b>

## GLUE - PLIOBOND #20 (FOR HOSE FITTINGS)



Size	Part #	Weight	List
1 Quart	9-6778	2.1	<b>52.00</b>

## OETIKER® CLAMP (SINGLE EAR)



- Oetiker ear type clamps "Breathe" and adapt to the expansion and contraction of hose affected by thermodynamics or aging, no need to re-tighten
- Clamps are lightweight and compact, important when bulky screw-type clamps interfere with limited space applications
- Provides a tamper-proof seal without damage to the hose
- Made of zinc plated 1008/1010 carbon steel
- Features a mechanical lock at the joint instead of a spot weld, preventing failure due to corrosion
- Low pressure applications



Size	Range (Inches)	Part #	Weight	List
3/8"	.350-.414	9-6779	-	0.40
7/16"	.381-.444	9-6780	-	0.40
15/32"	.394-.486	9-6781	-	0.40
1/2"	.453-.524	9-6782	-	0.40
35/64"	.472-.551	9-6783	-	0.40
9/16"	.496-.571	9-6784	-	0.40
5/8"	.543-.618	9-6785	-	0.40
21/32"	.547-.650	9-6786	-	0.40
11/16"	.594-.669	9-6787	-	0.40
23/32"	.618-.728	9-6788	-	0.40
3/4"	.669-.779	9-6789	-	0.40
13/16"	.716-.827	9-6790	-	0.50
7/8"	.779-.890	9-6791	-	0.50
15/16"	.839-.949	9-6792	-	0.50
1"	.898-1.008	9-6793	-	0.50
1-1/16"	.945-1.067	9-6794	-	0.50
1-1/8"	1.004-1.126	9-6795	-	0.50
1-3/16"	1.063-1.185	9-6796	-	0.50
1-5/16"	1.181-1.303	9-6797	-	0.50
1-3/8"	1.240-1.362	9-6798	-	0.60
1-15/32"	1.358-1.480	9-6799	-	0.60
1-9/16"	1.437-1.559	9-6800	-	0.60
1-5/8"	1.492-1.614	9-6801	-	0.60
1-11/16"	1.551-1.673	9-6802	-	0.60
1-23/32"	1.610-1.732	9-6803	-	0.60
1-3/4"	1.669-1.791	9-6804	-	0.70
1-13/16"	1.728-1.850	9-6805	-	0.70
1-7/8"	1.787-1.909	9-6806	-	0.70
1-15/16"	1.846-1.968	9-6807	-	0.70
2"	1.905-2.028	9-6808	-	0.70

Size	Part #	Weight	List
Pinch Clamp Tool	9-6809	-	45.00

## WORM-DRIVE CLAMP (STAINLESS STEEL BAND W/ZINC PLATED HARDWARE)



- 1/2" Wide Stainless Steel Band with Zinc plated Screw.
- Cold-formed stamped band thread, smoothed on the underside, combined with beveled band-edges protects hose from damage.
- The AISI-430 Stainless steel finish of the band and housing make this a very attractive clip.
- The maximum application pressure can vary depending on the type of hose used and the geometry of the coupling.

**Materials:**

- 1) Screw:
  - Qst 36-3 Mild Steel (DIN 1.0213)
  - Silver-white Cr3 Zinc-Plated

- 2) Band & Housing:

- X6Cr17 Stainless Steel (DIN 1.4016) (AISI-430)











MM	Inches	Part #	Box Qty	List
16-27	0.63-1.06	9-7595	50	1.50
20-32	0.78-1.25	9-7596	50	1.50
25-40	0.99-1.38	9-7597	50	1.50
30-45	1.19-1.78	9-7598	50	1.50
32-50	1.25-1.97	9-7599	50	1.50
40-60	1.56-2.34	9-7600	50	2.00
50-70	1.97-2.75	9-7601	50	2.00
60-80	2.34-3.16	9-7602	50	2.00
70-90	2.75-3.53	9-7603	50	2.00
80-100	3.16-3.94	9-7604	50	2.00
90-110	3.54-4.33	9-7605	25	2.00
100-120	3.94-4.72	9-7606	25	2.00
110-130	4.33-5.12	9-7607	25	2.00
120-140	4.72-5.51	9-7608	25	2.00
130-150	5.12-5.91	9-7609	25	2.50
140-160	5.51-6.30	9-7610	25	2.50
150-170	5.91-6.69	9-7611	25	2.50
160-180	6.30-7.09	9-7612	25	2.50
170-190	6.69-7.48	9-7613	10	2.50
180-200	7.09-7.87	9-7614	10	3.50
190-210	7.48-8.27	9-7615	10	3.50
200-220	7.87-8.66	9-7616	10	3.50
210-230	8.27-9.06	9-7617	10	3.50
220-240	8.66-9.45	9-7618	10	3.50

Towline/Wheelmove

# PIPE

## SECTION THREE



 Tubing	49
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## BLACK STEEL TUBING



12ga (.105" Wall)				11ga (.125" Wall)			10ga (.135" Wall)			7ga (.188" Wall)		
Dia. (O.D.)	Part #	Wt/ft	List/ft	Part #	Wt/ft	List/ft	Part #	Wt/ft	List/ft	Part #	Wt/ft	List/ft
2"				4-0507	2.4	7.00						
2-1/2"				4-0508	3.1	8.00						
3"				4-0509	2.6	10.00						
4"	4-0510	4.5	18.00	9-5145	4.9	10.00	9-5137	5.7	27.00			
5"	4-0511	5.6	25.00	9-5142	6.3	11.00	9-5141	7.2	13.50			
6"	4-0512	6.8	32.00				9-5138	8.6	40.00	9-5151	11.6	56.00
6-5/8"	4-0513	7.9	33.00				9-5139	9.6	38.00	9-5152	12.9	25.00
8"	4-0514	9.0	39.00	9-5144	10.3	16.00	9-5140	11.6	53.00	9-5153	15.6	75.00
8-5/8"	4-0515	12.2	43.00									
10"	4-0516	11.3	54.00				9-5136	14.5	70.00	9-5150	19.7	95.00
10-3/4"							9-5287	15.6	32.00			
12"	4-0517	13.6	62.00				9-5307	17.5	85.00	9-8123	23.7	117.00
12-3/4"							9-5288	18.6	41.00			

## STAINLESS STEEL 304 TUBING



Dia. (O.D.)	Gauge	Wall	Part #	W/ft	List/ft
4"	12ga	.105	9-8284	4.6	46.00
6"	12ga	.105	9-8095	6.9	75.00
8"	12ga	.105	9-8096	9.3	121.00
10"	12ga	.105	9-8097	11.6	125.00
12"	12ga	.105	9-8143	14.0	154.00

## ALUMINUM TUBING



Dia. (O.D.)	Wall	Part #	Weight	List
2"	.050	4-0540	0.36/ft	Call
3"	.050	4-0541	0.54/ft	Call
4"	.050	4-0520	0.73/ft	Call
4"	.072	4-0542	1.05/ft	Call
5"	.052	4-0543	0.94/ft	Call
5"	.078	4-0544	1.42/ft	Call
6"	.051	4-0521	1.10/ft	Call
6"	.058	4-0522	1.26/ft	Call
6"	.083	4-0545	1.81/ft	Call
7"	.064	4-0546	1.64/ft	Call
8"	.051	4-0523	1.50/ft	Call
8"	.064	4-0524	1.88/ft	Call
8"	.072	4-0547	2.11/ft	Call
8"	.090	4-0548	2.78/ft	Call
9"	.051	4-0621	1.75/ft	Call
9"	.064	4-0529	2.24/ft	Call
10"	.051	4-0525	1.90/ft	Call
10"	.064	4-0526	2.38/ft	Call
10"	.094	4-0549	3.44/ft	Call
12"	.064	4-0550	2.86/ft	Call
12"	.094	4-0551	4.19/ft	Call



## ALUMINUM



Size	20' Length			30' Length			40' Length		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	4-0530	.45/ft	Call	4-0531	.42/ft	Call	4-0532	.41/ft	Call
3"	4-0536	.65/ft	Call	4-0537	.61/ft	Call	4-0538	.60/ft	Call
4"	4-0533	.86/ft	Call	4-0534	.82/ft	Call	4-0535	.80/ft	Call

Aluminum press-on coupler with 1" riser outlet. Gasket and band & hook included. Price excludes riser and sprinkler.

## PVC W/SPIKE COUPLER



Size	30' Length			40' Length		
	Part #	Weight	List	Part #	Weight	List
2"	4-3510	-	Call	4-3511	-	Call
2-1/2"	4-3512	-	Call	4-3513	-	Call

- Has 3/4" riser outlet.
- See page 90 for spike couplers

## PIECES/TRUCKLOAD:

Type	6"	8"	10"	12"
Hook & Band	255	143	90	63
Ringlock	195	120	87	63



## ALUMINUM VACUUM PIPE



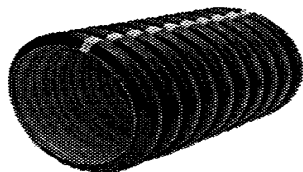
Bauer Style					
Size	Length	Wall	Type	Part #	List
4"	5'	0.072	Cast Alum Ball/Socket w/lever	9-5062	<b>289.00</b>
4"	10'	0.072	Cast Alum Ball/Socket w/lever	9-5063	<b>355.00</b>
4"	15'	0.072	Cast Alum Ball/Socket w/lever	9-5064	<b>420.00</b>
4"	20'	0.072	Cast Alum Ball/Socket w/lever	9-5065	<b>485.00</b>
4"	25'	0.072	Cast Alum Ball/Socket w/lever	9-5066	<b>550.00</b>
4"	30'	0.072	Cast Alum Ball/Socket w/lever	9-5067	<b>615.00</b>
6"	5'	0.083	Cast Alum Ball/Socket w/lever	9-5068	<b>450.00</b>
6"	10'	0.083	Cast Alum Ball/Socket w/lever	9-5069	<b>560.00</b>
6"	15'	0.083	Cast Alum Ball/Socket w/lever	9-5070	<b>670.00</b>
6"	20'	0.083	Cast Alum Ball/Socket w/lever	9-5071	<b>780.00</b>
6"	25'	0.083	Cast Alum Ball/Socket w/lever	9-5072	<b>890.00</b>
6"	30'	0.083	Cast Alum Ball/Socket w/lever	9-5073	<b>1,000.00</b>
8"	5'	0.094	Cast Alum Ball/Socket w/lever	9-5074	<b>688.00</b>
8"	10'	0.094	Cast Alum Ball/Socket w/lever	9-5075	<b>855.00</b>
8"	15'	0.094	Cast Alum Ball/Socket w/lever	9-5076	<b>1,021.00</b>
8"	20'	0.094	Cast Alum Ball/Socket w/lever	9-5077	<b>1,189.00</b>
8"	25'	0.094	Cast Alum Ball/Socket w/lever	9-5078	<b>1,355.00</b>
8"	30'	0.094	Cast Alum Ball/Socket w/lever	9-5079	<b>1,525.00</b>

Ringlock					
Size	Length	Wall	Type	Part #	List
4"	5'	0.072	Cast Alum Ring Lock w/rc	9-5098	<b>195.00</b>
4"	10'	0.072	Cast Alum Ring Lock w/rc	9-5099	<b>255.00</b>
4"	15'	0.072	Cast Alum Ring Lock w/rc	9-5100	<b>320.00</b>
4"	20'	0.072	Cast Alum Ring Lock w/rc	9-5101	<b>385.00</b>
4"	25'	0.072	Cast Alum Ring Lock w/rc	9-5102	<b>450.00</b>
4"	30'	0.072	Cast Alum Ring Lock w/rc	9-5103	<b>515.00</b>
6"	5'	0.083	Cast Alum Ring Lock w/rc	9-5104	<b>270.00</b>
6"	10'	0.083	Cast Alum Ring Lock w/rc	9-5105	<b>380.00</b>
6"	15'	0.083	Cast Alum Ring Lock w/rc	9-5106	<b>490.00</b>
6"	20'	0.083	Cast Alum Ring Lock w/rc	9-5107	<b>600.00</b>
6"	25'	0.083	Cast Alum Ring Lock w/rc	9-5108	<b>710.00</b>
6"	30'	0.083	Cast Alum Ring Lock w/rc	9-5109	<b>820.00</b>
8"	5'	0.094	Cast Alum Ring Lock w/rc	9-5110	<b>350.00</b>
8"	10'	0.094	Cast Alum Ring Lock w/rc	9-5111	<b>515.00</b>
8"	15'	0.094	Cast Alum Ring Lock w/rc	9-5112	<b>685.00</b>
8"	20'	0.094	Cast Alum Ring Lock w/rc	9-5113	<b>850.00</b>
8"	25'	0.094	Cast Alum Ring Lock w/rc	9-5114	<b>1,015.00</b>
8"	30'	0.094	Cast Alum Ring Lock w/rc	9-5115	<b>1,185.00</b>

Pipe

- Tough, durable aluminum vacuum pipe is available in a number of types of connections.
- We also manufacture vacuum fittings such as elbow, tees, end plugs, etc.

## PLASTIC DRAINAGE PIPE



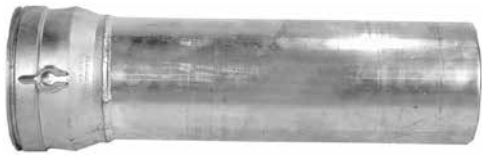
- Available perforated or non-perforated.
- Please call for fittings.

Size	Coorigated			Smooth Interior		
	Part #	Weight	List	Part #	Weight	List
3"	4-0700		Call			
4"	4-0701		Call			
5"	4-0702		Call			
6"	4-0703		Call			
8"	4-0704		Call			
10"	4-0705		Call			
12"	4-0706		Call	4-0710		Call
15"	4-0707		Call	4-0711		Call
18"	4-0708		Call	4-0712		Call
24"	4-0709		Call	4-0713		Call

\* Quantity and Truckload Discounts available. Please Call.

# STANDARD ALUMINUM MAINLINE PIPE

## PLAIN



Size	Wall	Max PSI	Part #	Weight	List
4" x 20'	.050	---	4-0110	.8/ft	Call
4" x 30'	.050	---	4-0111	.8/ft	Call
4" x 40'	.050	---	4-0112	.8/ft	Call
6" x 10'	.051	---	4-0130	1.3/ft	Call
6" x 15'	.051	---	4-0131	1.2/ft	Call
6" x 20'	.051	---	4-0132	1.2/ft	Call
6" x 30'	.051	---	4-0133	1.2/ft	Call
6" x 40'	.051	---	4-0134	1.1/ft	Call
8" x 10'	.051	---	4-0160	1.7/ft	Call
8" x 15'	.051	---	4-0161	1.7/ft	Call
8" x 20'	.051	---	4-0162	1.6/ft	Call
8" x 30'	.051	---	4-0163	1.6/ft	Call
8" x 40'	.051	---	4-0164	1.9/ft	Call
10" x 10'	.051	---	4-0190	2.4/ft	Call
10" x 15'	.051	---	4-0191	2.2/ft	Call
10" x 20'	.051	---	4-0192	2.1/ft	Call
10" x 30'	.051	---	4-0193	2.0/ft	Call
10" x 40'	.051	---	4-0194	2.0/ft	Call

## BAND & HOOK



Pieces/Truckload:  
 4" - 575  
 6" - 255  
 8" - 143  
 10" - 90

Size	Wall	Max PSI	Part #	Weight	List
4" x 20'	.050	---	4-0120	.8/ft	Call
4" x 30'	.050	---	4-0121	.8/ft	Call
4" x 40'	.050	---	4-0122	.8/ft	Call
6" x 10'	.051	100#	4-0140	1.5/ft	Call
6" x 15'	.051	100#	4-0141	1.4/ft	Call
6" x 20'	.051	100#	4-0142	1.3/ft	Call
6" x 30'	.051	100#	4-0143	1.2/ft	Call
6" x 40'	.051	100#	4-0144	1.2/ft	Call
8" x 10'	.051	70#	4-0170	2.1/ft	Call
8" x 15'	.051	70#	4-0171	1.9/ft	Call
8" x 20'	.051	70#	4-0172	1.8/ft	Call
8" x 30'	.051	70#	4-0173	1.7/ft	Call
8" x 40'	.051	70#	4-0174	1.7/ft	Call
10" x 10'	.051	60#	4-0195	2.8/ft	Call
10" x 15'	.051	60#	4-0196	2.5/ft	Call
10" x 20'	.051	60#	4-0197	2.4/ft	Call
10" x 30'	.051	60#	4-0198	2.2/ft	Call
10" x 40'	.051	60#	4-0199	2.1/ft	Call

## RINGLOCK (STANDARD WALL)



Pieces/Truckload:  
 6" - 195  
 8" - 120  
 10" - 87

Size	Wall	Max PSI	Part #	Weight	List
6" x 10'	.051	125#	4-0150	1.8/ft	Call
6" x 15'	.051	125#	4-0151	1.6/ft	Call
6" x 20'	.051	125#	4-0152	1.5/ft	Call
6" x 30'	.051	125#	4-0153	1.3/ft	Call
6" x 40'	.051	125#	4-0154	1.3/ft	Call
8" x 10'	.051	90#	4-0180	2.5/ft	Call
8" x 15'	.051	90#	4-0181	2.2/ft	Call
8" x 20'	.051	90#	4-0182	1.9/ft	Call
8" x 30'	.051	90#	4-0183	1.8/ft	Call
8" x 40'	.051	90#	4-0184	1.8/ft	Call
10" x 10'	.051	70#	4-0185	3.3/ft	Call
10" x 15'	.051	70#	4-0186	2.8/ft	Call
10" x 20'	.051	70#	4-0187	2.6/ft	Call
10" x 30'	.051	70#	4-0188	2.4/ft	Call
10" x 40'	.051	70#	4-0189	2.3/ft	Call

# HEAVY WALL ALUMINUM MAINLINE

## RINGLOCK (HEAVY WALL)



Big Gun Female Coupler x Full Male Aluminum Ring. Ringlock Clamp included.

Size	Wall	Max PSI	Part #	Weight	List
6" x 20'	.058	150#	4-0220	1.5/ft	Call
6" x 30'	.058	150#	4-0221	1.4/ft	Call
6" x 40'	.058	150#	4-0222	1.4/ft	Call
8" x 20'	.064	150#	4-0260	2.2/ft	Call
8" x 30'	.064	150#	4-0261	2.1/ft	Call
8" x 40'	.064	150#	4-0262	2.1/ft	Call
10" x 20'	.064	125#	4-0290	2.8/ft	Call
10" x 30'	.064	125#	4-0291	2.7/ft	Call
10" x 40'	.064	125#	4-0292	2.6/ft	Call

## TWIST LOCK PIPE



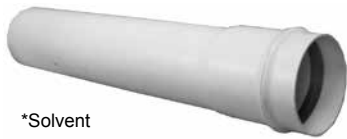
Size	Wall	Max PSI	Part #	Weight	List
4" x 20'	.050	150#	4-0715	--	Call
4" x 30'	.050	150#	4-0716	--	Call
4" x 40'	.050	150#	4-0717	--	Call
5" x 20'	.051	150#	4-0718	--	Call
5" x 30'	.051	150#	4-0719	--	Call
5" x 40'	.051	150#	4-0720	--	Call
6" x 20'	.051	150#	4-0721	--	Call
6" x 30'	.058	150#	4-0722	--	Call
6" x 40'	.058	150#	4-0723	--	Call
8" x 20'	.064	125#	4-0724	--	Call
8" x 30'	.064	125#	4-0725	--	Call
8" x 40'	.064	125#	4-0726	--	Call

Pipe

**Schumacher Irrigation stocks  
a selection of USED  
Aluminum pipe.**

**Call for prices and availability.**

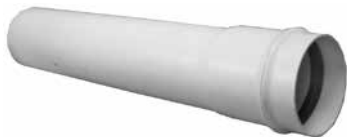
## 50# PVC GASKETED PIPE



\*Solvent

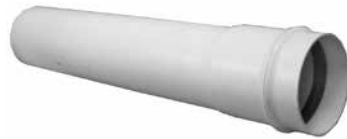
Diameter	O.D.	I.D.	Tickness	SDR	Part #	Weight	List
*6" PIP	6.14	5.989	.760	81	4-0610	1.1/ft	Call
8" PIP	8.16	7.958	.101	81	4-0650	1.7/ft	Call
10" PIP	10.20	9.948	.126	81	4-0681	2.6/ft	Call
12" PIP	12.24	11.938	.151	81	4-0691	3.8/ft	Call
15" PIP	15.30	14.922	.189	81	4-0695	5.8/ft	Call
*16" PIP	16.00	15.608	.196	81	4-0696	6.5/ft	Call

## 80# PVC GASKETED PIPE



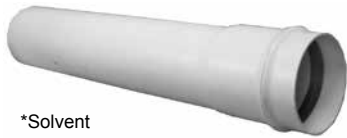
Diameter	O.D.	I.D.	Tickness	SDR	Part #	Weight	List
6" PIP	6.14	5.90	.12	51	4-0620	1.5/ft	Call
8" PIP	8.16	7.84	.16	51	4-0660	2.6/ft	Call
10" PIP	10.20	9.80	.20	51	4-0682	4.1/ft	Call
12" PIP	12.24	11.76	.24	51	4-0692	6.1/ft	Call
15" PIP	15.30	14.70	.30	51	4-0697	9.4/ft	Call
18" PIP	18.70	17.96	.37	51	4-0800	14.3/ft	Call
21" PIP	22.05	21.19	.43	51	4-0802	19.8/ft	Call
24" PIP	24.80	23.83	.49	51	4-0804	26.1/ft	Call
27" PIP	27.95	26.86	.55	51	4-0806	33.6/ft	Call

## 100# PVC GASKETED PIPE



Diameter	O.D.	I.D.	Tickness	SDR	Part #	Weight	List
4" IPS	4.50	---	---	41	4-0644	1.0/ft	Call
6" IPS	6.63	6.30	.162	41	4-0850	2.2/ft	Call
8" IPS	8.63	8.21	.210	41	4-0851	3.6/ft	Call
10" IPS	10.75	10.23	.262	41	4-0852	5.7/ft	Call
12" IPS	12.75	12.13	.311	41	4-0853	8.0/ft	Call
6" PIP	6.14	5.84	.150	41	4-0630	1.9/ft	Call
8" PIP	8.16	7.76	.199	41	4-0670	3.3/ft	Call
10" PIP	10.20	9.70	.249	41	4-0683	5.1/ft	Call
12" PIP	12.24	11.64	.299	41	4-0693	7.5/ft	Call
15" PIP	15.30	14.46	.373	41	4-0698	11.7/ft	Call
18" PIP	18.7	17.78	.456	41	4-0801	17.6/ft	Call
21" PIP	22.05	20.97	.538	41	4-0803	24.6/ft	Call
24" PIP	24.8	23.59	.605	41	4-0805	32.4/ft	Call
27" PIP	27.95	26.59	.683	41	4-0807	41.8/ft	Call

## 125# PVC GASKETED PIPE



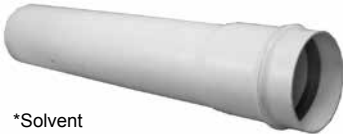
\*Solvent

Diameter	O.D.	I.D.	Tickness	SDR	Part #	Weight	List
1-1/4" IPS*	1.77	1.380	.197	32.5	4-3501	0.4/ft	Call
2" IPS	2.38	2.229	.073	32.5	4-3504	0.3/ft	Call
2-1/2" IPS	2.88	2.195	.088	32.5	4-0814	0.5/ft	Call
3" IPS	3.50	2.830	.108	32.5	4-0815	0.7/ft	Call
4" IPS	4.50	4.224	.138	32.5	4-0639	1.3/ft	Call
6" IPS	6.63	6.217	.204	32.5	4-0855	2.7/ft	Call
8" IPS	8.63	8.095	.265	32.5	4-0856	4.6/ft	Call
10" IPS	10.75	10.088	.331	32.5	4-0857	7.1/ft	Call
12" IPS	12.75	11.966	.392	32.5	4-0858	9.9/ft	Call
6" PIP	6.14	5.762	.189	32.5	4-0640	2.3/ft	Call
8" PIP	8.16	7.658	.251	32.5	4-0680	4.2/ft	Call
10" PIP	10.20	9.572	.314	32.5	4-0684	6.4/ft	Call
12" PIP	12.24	11.49	.377	32.5	4-0694	9.4/ft	Call
15" PIP	15.30	14.36	.471	32.5	4-0699	14.8/ft	Call

Pieces/Truckload:	6"	8"	10"	12"
50# PIP	285	158	103	70
80/100/125# PIP	261	143	90	63
125/160# IPS	210	110	72	--

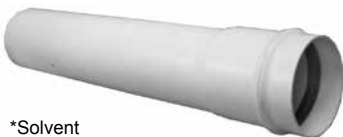
All PVC is in 20' or 40' lengths. Gaskets are included. Call for installed prices.

## 160# PVC GASKETED PIPE



Diameter	O.D.	I.D.	Thickness	SDR	Part #	Weight	List
1" IPS*	--	--	--	26	4-0816	--	Call
1-1/4" IPS*	1.66	1.532	0.064	26	4-3502	0.2/ft	Call
1-1/2" IPS	1.90	1.754	0.073	26	4-3503	0.3/ft	Call
2" IPS	2.38	2.193	0.091	26	4-3505	0.4/ft	Call
2-1/2" IPS	2.88	2.655	0.110	26	4-3506	0.6/ft	Call
3" IPS	3.50	3.230	0.135	26	4-3508	0.9/ft	Call
4" IPS	4.50	4.154	0.173	26	4-0671	1.6/ft	Call
6" IPS	6.63	6.115	0.255	26	4-0672	3.4/ft	Call
8" IPS	8.63	7.961	0.332	26	4-0673	5.7/ft	Call
10" IPS	10.75	9.924	0.413	26	4-0674	8.9/ft	Call
12" IPS	12.75	11.77	0.490	26	4-0808	12.7/ft	Call

## 200# PVC GASKETED PIPE



Diameter	O.D.	I.D.	Thickness	SDR	Part #	Weight	List
1/2" IPS*	.84	.716	0.022	13.5	4-0817	0.1/ft	Call
3/4" IPS*	1.05	.930	0.060	21	4-0818	0.1/ft	Call
1" IPS*	1.315	1.189	0.063	21	4-3500	0.2/ft	Call
1-1/4" IPS*	1.660	1.502	0.079	21	4-0819	0.3/ft	Call
1-1/2" IPS	1.900	1.720	0.090	21	4-0820	0.3/ft	Call
2" IPS	2.375	2.149	0.113	21	4-3507	0.5/ft	Call
2-1/2" IPS	2.875	2.601	0.137	21	4-0821	0.8/ft	Call
3" IPS	3.500	3.166	0.167	21	4-0822	1.2/ft	Call
4" IPS	4.500	4.072	0.214	21	4-0809	1.9/ft	Call
6" IPS	6.625	5.993	0.316	21	4-0810	4.2/ft	Call
8" IPS	8.625	7.805	0.410	21	4-0811	7.1/ft	Call
10" IPS	10.75	9.728	0.500	21	4-0812	10.9/ft	Call
12" IPS	12.75	11.54	0.606	21	4-0813	15.5/ft	Call

## SCHEDULE 40 PVC PIPE (SOLVENT)



Diameter	O.D.	I.D.	Thickness	SDR	Part #	Weight	List
1/2"	0.840	0.612	0.109	--	4-0823	0.2/ft	Call
3/4"	1.050	0.824	0.113	--	4-0824	0.2/ft	Call
1"	1.315	1.049	0.133	--	4-0825	0.3/ft	Call
1-1/4"	1.660	1.380	0.140	--	4-0826	0.4/ft	Call
1-1/2"	1.900	1.610	0.145	--	4-0827	0.5/ft	Call
2"	2.375	2.067	0.154	--	4-0828	0.7/ft	Call
2-1/2"	2.875	2.469	0.203	--	4-0829	1.1/ft	Call
3"	3.500	3.068	0.216	--	4-0830	1.5/ft	Call
4"	4.500	4.026	0.237	--	4-0831	2.1/ft	Call
6"	6.625	6.065	0.280	--	4-0832	3.7/ft	Call
8"	8.625	7.962	0.332	--	4-0833	5.6/ft	Call

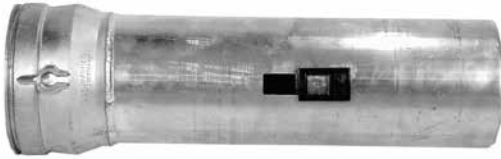
## SCHEDULE 80 PVC PIPE (SOLVENT)



Diameter	O.D.	I.D.	Thickness	SDR	Part #	Weight	List
1/2"	0.840	0.546	0.147	--	4-0834	0.2/ft	Call
3/4"	1.050	0.742	0.154	--	4-0835	0.3/ft	Call
1"	1.315	0.957	0.179	--	4-0836	0.4/ft	Call
1-1/4"	1.660	1.278	0.191	--	4-0837	0.6/ft	Call
1-1/2"	1.900	1.500	0.200	--	4-0838	0.7/ft	Call
2"	2.375	1.939	0.218	--	4-0839	0.9/ft	Call
2-1/2"	2.875	2.323	0.276	--	4-0840	1.4/ft	Call
3"	3.500	2.900	0.300	--	4-0841	1.9/ft	Call
4"	4.500	3.826	0.337	--	4-0842	2.8/ft	Call
6"	6.625	5.761	0.432	--	4-0843	5.4/ft	Call
8"	8.625	7.625	0.500	--	4-0844	8.2/ft	Call

All PVC is in 20' or 40' lengths. Gaskets are included. Call for installed prices.

Pieces/Truckload:	6"	8"	10"	12"
50# PIP	285	158	103	70
80/100/125# PIP	261	143	90	63
125/160# IPS	210	110	72	--

**ALUMINUM GATED  
PIPE - .051\***


- Gates included, but not installed.

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
6" x 20'	20"	12	4-0310	1.2/ft	Call
6" x 20'	30"	8	4-0320	1.2/ft	Call
6" x 20'	40"	6	4-0330	1.2/ft	Call
6" x 30'	20"	18	4-0311	1.2/ft	Call
6" x 30'	30"	12	4-0321	1.2/ft	Call
6" x 30'	36"	10	4-0323	1.2/ft	Call
6" x 30'	40"	9	4-0331	1.2/ft	Call
6" x 40'	20"	24	4-0312	1.1/ft	Call
6" x 40'	30"	16	4-0322	1.1/ft	Call
6" x 40'	40"	12	4-0332	1.1/ft	Call

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
8" x 20'	20"	12	4-0340	1.6/ft	Call
8" x 20'	30"	8	4-0350	1.6/ft	Call
8" x 20'	40"	6	4-0360	1.6/ft	Call
8" x 30'	20"	18	4-0341	1.6/ft	Call
8" x 30'	30"	12	4-0351	1.6/ft	Call
8" x 30'	36"	10	4-0353	1.6/ft	Call
8" x 30'	40"	9	4-0361	1.6/ft	Call
8" x 40'	20"	24	4-0342	1.6/ft	Call
8" x 40'	30"	16	4-0352	1.6/ft	Call
8" x 40'	40"	12	4-0362	1.6/ft	Call

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
10" x 20'	20"	12	4-0370	2.1/ft	Call
10" x 20'	30"	8	4-0380	2.1/ft	Call
10" x 20'	40"	6	4-0390	2.1/ft	Call
10" x 30'	20"	18	4-0371	2.1/ft	Call
10" x 30'	30"	12	4-0381	2.1/ft	Call
10" x 30'	36"	10	4-0383	2.1/ft	Call
10" x 30'	40"	9	4-0391	2.1/ft	Call
10" x 40'	20"	24	4-0372	2.0/ft	Call
10" x 40'	30"	16	4-0382	2.0/ft	Call
10" x 40'	40"	12	4-0392	2.0/ft	Call



## PVC SURFACE GATED (STANDARD WALL)



- Above w/b&h will take 20-25 psi
- Compatible w/Aluminum pipe and fittings
- Adjustable Telescopic Coupler
- Gates included, but not installed.

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
6" x 30'	Plain	-	4-3305	1.5/ft	Call
6" x 30'	20"	18	4-3311	1.5/ft	Call
6" x 30'	30"	12	4-3321	1.5/ft	Call
6" x 30'	36"	10	4-3300	1.5/ft	Call
6" x 30'	40"	9	4-3331	1.5/ft	Call

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
8" x 30'	Plain	-	4-3306	2.0/ft	Call
8" x 30'	20"	18	4-3341	2.0/ft	Call
8" x 30'	30"	12	4-3351	2.0/ft	Call
8" x 30'	36"	10	4-3301	2.0/ft	Call
8" x 30'	40"	9	4-3361	2.0/ft	Call

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
10" x 30'	Plain	-	4-3307	2.5/ft	Call
10" x 30'	20"	18	4-3371	2.5/ft	Call
10" x 30'	30"	12	4-3381	2.5/ft	Call
10" x 30'	36"	10	4-3302	2.5/ft	Call
10" x 30'	40"	9	4-3391	2.5/ft	Call

Size x Length	Gate Spacing	Gates/ Pipe	Part #	Weight	List
12" x 30'	Plain	-	4-3308	3.0/ft	Call
12" x 30'	20"	18	4-3320	3.0/ft	Call
12" x 30'	30"	12	4-3324	3.0/ft	Call
12" x 30'	36"	10	4-3322	3.0/ft	Call
12" x 30'	40"	9	4-3323	3.0/ft	Call

Pipe

# NU-FLEX TUBING & SIPHON TUBES



## NU-FLEX LAYFLAT SURFACE TUBING

(FOR FLOOD/FURROW IRRIGATION)



Size	Length	Mil	Part #	Weight	List
5"	500'	6	6-9798	19.0	<b>110.00</b>
5"	1000'	6	6-9799	38.0	<b>225.00</b>
9"	1320'	5	6-9801	73.0	<b>270.00</b>
9"	1320'	7	6-9802	101.0	<b>360.00</b>
10"	1000'	10	6-9804	95.0	<b>475.00</b>
12"	1320'	5	6-9805	98.0	<b>355.00</b>
12"	1320'	7	6-9808	136.0	<b>434.00</b>
12"	1320'	8	9-7693	-	<b>520.00</b>
15"	1320'	5	6-9810	126.0	<b>402.00</b>
15"	1320'	7	6-9812	174.0	<b>560.00</b>
18"	850'	7	6-9816	135.0	<b>425.00</b>
18"	600'	10	6-9818	135.0	<b>435.00</b>
21"	700'	8	6-9819	145.0	<b>485.00</b>
24"	700'	8	6-9821	166.0	<b>559.00</b>

Call for other sizes, mil thicknesses and tools.

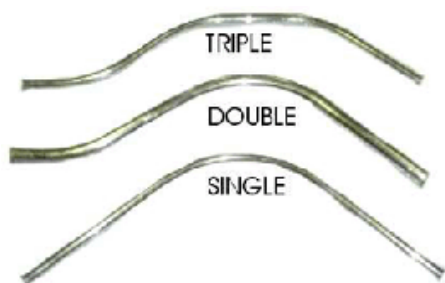
Advantages:

1. Low Cost
2. Reduced Labor Cost
3. New Product Every Season
4. Less friction loss than aluminum pipe
5. Can be used as mainline or gated pipe

Description	Part #	Weight	List
Slide Gate for Surface Tubing	9-5242		<b>3.50</b>

## SIPHON TUBES

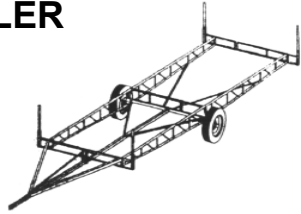
(ALUMINUM)



PVC Siphon tubes are also available, Call for Prices.

Size	Length	Single Bend		Double Bend		Triple Bend	
		Part #	List	Part #	List	Part #	List
1/2"	60"	9-5362	7.00	9-5379	6.00		
3/4"	54"			9-5380	10.00		
3/4"	60"	9-5363	10.00	9-5381	10.00	9-5405	10.00
3/4"	72"			9-5382	12.00	9-5406	12.00
1"	48"	9-5364	13.00				
1"	54"	9-5365	13.00	9-5383	12.00		
1"	60"	9-5366	13.00	9-5384	12.00	9-5407	13.00
1"	72"	9-5367	15.00	9-5385	14.00	9-5408	15.00
1"	90"					9-5409	20.00
1-1/4"	48"	9-5368	15.00				
1-1/4"	54"	9-5369	15.00	9-5386	15.00		
1-1/4"	60"	9-5370	15.00	9-5387	15.00	9-5410	16.00
1-1/4"	64"			9-5388	17.00		
1-1/4"	72"	9-5371	18.00	9-5389	17.00	9-5411	18.00
1-1/4"	90"					9-5412	20.00
1-1/2"	48"	9-5372	20.00				
1-1/2"	54"			9-5390	19.00		
1-1/2"	60"	9-5373	20.00	9-5391	19.00	9-5413	20.00
1-1/2"	64"			9-5392	24.00		
1-1/2"	72"	9-5374	23.00	9-5393	22.00	9-5414	23.00
1-1/2"	90"					9-5415	29.00
2"	48"	9-5375	27.00				
2"	54"			9-5394	26.00		
2"	60"	9-5376	27.00	9-5395	26.00	9-5416	27.00
2"	64"			9-5396	30.00		
2"	72"	9-5377	32.00	9-5397	30.00	9-5417	32.00
2"	90"					9-5418	40.00
3"	60"	9-5378	73.00	9-5398	70.00		
3"	72"			9-5399	92.00		
3"	90"			9-5400	108.00	9-5419	115.00
4"	72"			9-5401	136.00		
4"	96"			9-5402	160.00		
4"	120"					9-5420	240.00
5"	96"			9-5403	285.00	9-5421	300.00
5"	120"					9-5422	375.00
6"	96"			9-5404	360.00	9-5423	375.00
6"	120"					9-5424	475.00

## PIPE TRAILER



Maximum capacity of 4,000 lbs.  
 For pipe up to 40' in length  
Dimensions:  
 -35' overall length  
 -102" wide  
 -21' from stake pocket to stake pocket  
 -14' from tongue to front stake pocket

Tongue	Part #	Weight	List
Single	5-0540	700.0	<b>2,495.00</b>
Double	5-0550	735.0	<b>2,595.00</b>

## PIPE TURNER



Size	Part #	Weight	List
6"	4-0475	10.3	<b>230.00</b>
8"	4-0476	11.3	<b>230.00</b>
9"	4-0477	12.3	<b>230.00</b>
10"	4-0478	12.3	<b>260.00</b>
12"	4-0479	12.8	<b>278.00</b>

## GATE TOOL



Size	Part #	Weight	List
--	6-1814	-	<b>6.00</b>

## REPLACEMENT COUPLER (PVC SURFACE)



Size	Part #	Weight	List
6"	4-3392	1.5	<b>50.00</b>
8"	4-3393	3.0	<b>73.00</b>
10"	4-3394	3.5	<b>75.00</b>
12"	4-4400	4.0	<b>96.00</b>

## REPAIR SPLICER (PVC SURFACE)



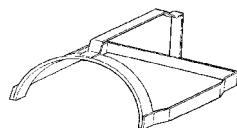
Size	Part #	Weight	List
6"	4-3395	0.5	<b>18.00</b>
8"	4-3396	1.0	<b>24.00</b>
10"	4-3397	1.0	<b>35.00</b>
12"	4-4401	1.5	<b>36.00</b>

## STEEL COLLAR (PVC SURFACE)



Size	Part #	Weight	List
6"	4-3398	1.3	<b>13.00</b>
8"	4-3399	1.6	<b>15.00</b>
10"	4-3400	2.0	<b>17.00</b>
12"	4-3401	2.5	<b>19.00</b>

## CAPLOCK (PVC SURFACE)



- Features:
1. Easy to use
  2. Saves time and money
  3. Insert the plug and snap on the caplock

Size	Part #	Weight	List
6"	4-4402	-	<b>34.00</b>
8"	4-4403	-	<b>37.00</b>
10"	4-4404	-	<b>42.00</b>
12"	4-4405	-	<b>46.00</b>

## DAM GATE

Fits standard 1-1/4" x 2-5/8" Rectangle Hole



Size	Part #	Weight	List
6"	4-0460	0.1	<b>1.85</b>
8"-10"-12"	4-0461	0.1	<b>1.90</b>

Features:

1. Quick easy installation
2. Designed for use in either PVC or aluminum pipe
3. Fits standard 1 1/4" x 2 5/8" rectangular openings
4. Fits Tex-Flo openings
5. New design allows easier slide adjustments
6. Spring tension is at the center for equal sealing at front and rear of the gate
7. Manufactured from special materials to minimize environmental effects
8. UV inhibitor is added to help protect against the sun's ultra violet radiation
9. Water flow 90 GPM at 6 feet of head

## A GATE



Size	Part #	Weight	List
6"	9-8129	-	<b>1.50</b>
8"-10"-12"	9-8130	-	<b>1.50</b>

Features:

1. Fits standard 1 1/4" x 2 5/8" rectangular openings
2. Improved design to correctly fit Tex Flo New Style gate holes with rounded end, DO NOT have to install backwards.
3. Increased length in front of clip pocket to seal better and last much longer.
4. Used in both Aluminum & PVC Pipe.
5. Natural UV inhibitors to help protect from sunlight exposer damage.

## KEYHOLE GATE



Size	Part #	Weight	List
6"	4-0436	0.1	<b>2.00</b>
8"-10"-12"	4-0441	0.1	<b>2.00</b>

Features:

1. The triad keyhole gate is a fresh approach to irrigation gate problems. The spring mechanism is so unique a patent has been applied for.
2. Easiest keyhole gate on the market to install.
3. Manufactured from specially selected materials to minimize environmental effects
4. Fits standard keyhole openings
5. Excellent water flow, 60 GPM at 6 feet of head

## HASTINGS GATE

Type	Size	Part #	Weight	List
Universal	8"-9"-10"	4-0462	0.1	<b>2.50</b>
Round Front	6"	4-0463	0.1	<b>2.95</b>
Round Front	8"-9"-10"	4-0464	0.1	<b>2.95</b>
Conversion	1-5/8"x4-1/4" Hole	4-0465	0.2	<b>5.80</b>



**Universal** (will fit round front gate hole)

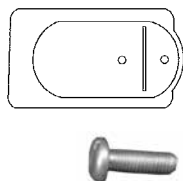


**Round Front**

**Features:**

1. Up to 85 GPM with a 42" head
2. Open, adjust and closes easily from a standing position with just the tap of a stick
3. Yellow Top: made of high strength, long-lasting natural polypropylene
4. Bottom: spring tension holds the gate firmly in any position in which the gate is set. Gasket is firmly molded to the bottom, holding it tightly against the pipe.
5. Gasket: new, improved design of molded synthetic rubber. This new material is more flexible, conforms more readily to the contour of the pipe

## NU-SLIDE GATE



Description	Part #	Weight	List
Rubber Bottom only	4-0495	-	<b>4.90</b>
Screw (need 2/gate)	4-0496	-	<b>0.50</b>

## OVAL GATE



Size	Part #	Weight	List
One size	4-0470	0.2	<b>2.60</b>

**Features:**

1. Easily installed in a standard recessed oval hole (ames type)
2. Improved frame design
3. Flow rate 60 gallons per minute at 1 foot of head, full open
4. Easily adjustable slide regulates water flow
5. Manufactured from specially selected materials to improve weatherability

## GATE SOCK CLIP



Size	Part #	Weight	List
Round 6"	4-0480	0.2	<b>5.90</b>
Round 8"	4-0481	0.2	<b>5.90</b>
Round 10"	4-0482	0.2	<b>5.90</b>
Round 12"	4-0483	0.2	<b>4.50</b>

## GATE SOCK











Description	Part #	Weight	List
Vinyl Coated Polyester	4-0490	0.1	<b>8.00</b>

\*36" long with closed end

Pipe

## SECTION FOUR



 Gun Stands & Carts	64-66
 Trailers, Travelers & Accs	67
 Traveler & Drag Hose	67
 Traveler Hose Menders	68
 Hose Pull Couplers	69
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# Traveler Parts

## Soft and Hard Hose Travelers

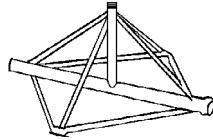
- Replacement Parts
- Cables
- Turbines
- Etc.

## GUN STAND (FOLD DOWN - MODEL A) (ALUMINUM)

Hook style. Aluminum.  
With 3" male threaded top.

Recommended Guns:

- Nelson 100
- Komet 101
- River
- Skipper



Size	Part #	Weight	List
4"	5-0110	40.0	<b>560.00</b>

## GUN STAND (STANDARD - MODEL B) (ALUMINUM)

Ideal stand for:

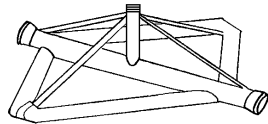
1. Hard to reach corners areas
2. Liquid manure applications
3. Pivot corners

Ringlock. Aluminum.

With 4" male threaded top.  
Water filled base for superior stability

Recommended Guns:

- Small
- Medium
- Large

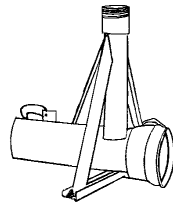


Size	Part #	Weight	List
6"	5-0120	48.0	<b>1,595.00</b>

## GIANT SPRINKLER STAND (GALVANIZED STEEL)

Recommended Guns:

- Nelson 100
- Komet 101
- River
- Skipper



With male or female threaded top. Specify size.

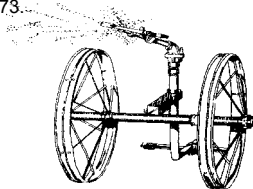
Size	Part #	Weight	List
3"	5-0130	23.0	<b>425.00</b>
4"	5-0131	25.0	<b>445.00</b>
5"	5-0132	26.0	<b>510.00</b>
6"	5-0133	27.0	<b>570.00</b>

## GUN CART (GALVANIZED STEEL)

- With 2" FPT & 2-1/2" MPT top.
- Gun is not included. See pages 66-73.
- Standard Profile
- 57" Wheels
- 4" Male B&H and B&L

Recommended Guns:

- Nelson 100
- Komet 101
- River
- Skipper

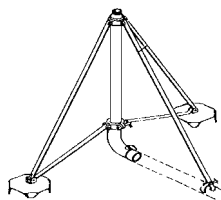


Size	Part #	Weight	List
4"	5-0140	116.0	<b>1,125.00</b>

## GUN STAND (MODEL LE) (ALUMINUM)

Recommended Guns:

- Nelson 100
- Komet 101
- River
- Skipper



- With 2" FPT/2-1/2" MPT Top.
- State mainline size when ordering.
- 30" Riser Length.

Size	Part #	Weight	List
3"	5-0150	20.0	<b>725.00</b>
4"	9-7694	-	<b>725.00</b>
5"	9-7695	-	<b>750.00</b>

## SPRINKLER CART

- To order just the sprinkler, see page 76.
- Full Range of Nozzles Included

Description	Connection	Part #	Weight	List
1000F w/Funny Sprinkler	3/4" FHT	9-7720	25.0	<b>317.00</b>
1250K w/K-1 Sprinkler	1-1/4" MPT	9-7721	38.0	<b>466.00</b>
1500H w/Hidra Sprinkler	1-1/2" MPT	9-7722	46.0	<b>624.00</b>
2000S w/Senior Sprinkler	2" MPT	9-8525	-	<b>1,800.00</b>
3000R w/Ranger Sprinkler	3" MPT	9-8526	-	<b>3,915.00</b>



Nozzle Size	PSI	GPM	Diameter
5 mm (0.20")	22	5.3	84
	29	6	92
	44	7	100
	58	9	108
6 mm (0.24")	22	7	86
	29	8.5	96
	44	10	108
7 mm (0.28")	22	10	92
	29	11	100
	44	14	112
9 mm (0.35")	22	16.4	100
	29	19	108
	44	23	122
58	26	128	



Nozzle Size	PSI	GPM	Diameter	
7 mm (0.28")	22	10	92	
	29	11	100	
	44	14	112	
	58	16	122	
8 mm (0.315")	22	13	102	
	29	15	112	
	44	18	124	
58	21	134		
	9 mm (0.35")	22	16	108
		29	19	114
44		23	128	
58	26	138		
	10 mm (0.39")	22	20	112
		29	23	118
44		28	134	
58	33	144		
	12 mm (0.47")	22	29	112
		29	34	124
44		41	136	
58	47	154		



Nozzle Size	PSI	GPM	Diameter
12 mm (0.47")	29	40	130
	44	48	156
	58	56	176
	73	62	196
	73	62	196
14 mm (0.55")	29	52	138
	44	63	164
	58	73	190
	73	81	202
16 mm (0.63")	29	65	144
	44	80	170
	58	93	196
	73	103	216
18 mm (0.70")	44	100	184
	58	115	202
	73	128	224



Nozzle Size	PSI	GPM	Diameter	
12 mm (0.47")	22	34	124	
	29	40	144	
	44	48	156	
	56	55	176	
14 mm (0.55")	29	51	150	
	44	63	182	
	56	73	202	
70	82	222		
	16 mm (0.63")	29	65	156
		44	80	196
56		93	222	
70	103	236		
	18 mm (0.71")	29	92	156
		44	100	210
56		115	230	
70	128	250		
	20 mm (0.78")	29	99	164
		44	121	200
56		140	244	
70	157	270		

Wheeled sprinkler carts are a portable and affordable option for irrigating a variety of areas. Each assembly uses heavy gauge steel construction, solid steel axles, and commercial grade full or part circle sprinkler heads.

Applications include:

- Large Garden & Hobby Farms
- Pastures
- Deer and Wildlife Plots
- Sports Fields
- Dust Control on Riding Arenas
- Dust Control for Construction Sites



Nozzle Size	PSI	GPM	Diameter
24 mm (0.94")	29	134	216
	44	164	254
	56	190	290
	70	213	314
26 mm (1.0")	29	158	242
	44	193	268
	56	220	300
	70	250	336
28 mm (1.1")	44	257	290
	56	297	314
	70	332	340
	85	364	362
30 mm (1.19")	44	338	302
	56	378	328
	70	414	354
	85	447	374
32 mm (1.34")	56	382	340
	70	427	368
	85	468	384
	10	505	404

## TRAVELING SPRINKLER (RAINCOACH™)

- 1" FHT Inlet
- Economical Alternative for large turf areas
- Brass, aluminum, and stainless steel construction provides unmatched durability
- Combines 3/4" impact brass head with rotating sweep arms for full, even coverage
- Includes six nozzle set
- Allows for adjustable speed of travel for varied precipitation rates
- Minimizes turf scarring with front roller
- Equipped with 3/32" x 450' galvanized steel cable tow line
- Provides stable operation on rough terrain with wide/long wheel base
- Built-in valve shuts off water automatically at the end of run
- FIVE YEAR WARRANTY
- Throw: 110-145'
- Flow: 11.5-22.4 GPM
- PSI at Sprinkler: 55-75psi



Size	Part #	Weight	List
1" FHT	9-6812	56.0	<b>3,850.00</b>

## ADAPTER (GIANT SPRINKLER)

\* Use std 4" RLC



Description	Part #	Weight	List
3" Weld On x 3" Male	6-9790	3.5	<b>95.00</b>
3" Weld On x 3" Female	6-9791	4.0	<b>150.00</b>
4" Weld On x 4" Male	8-1427	5.0	<b>98.00</b>
4" Weld On x 4" Female	8-1426	5.5	<b>162.00</b>
3" Ringlock Clamp	6-1047	1.4	<b>23.00</b>
4" Ringlock Clamp	6-1038	1.6	<b>25.00</b>

## TRAVELER CABLE (7 X 19)



Size	Length	Part #	Weight	List
5/16"	1,350'	9-5183	-	<b>1,425.00</b>
3/8"	1,350'	9-5182	-	<b>1,812.00</b>
7/16"	2,700'	6-9585	-	<b>5,940.00</b>

## BULLET STOP



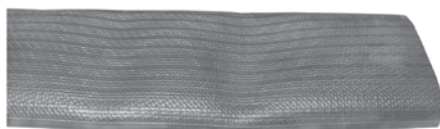
Size	Part #	Weight	List
5/16"	9-5181	-	<b>49.00</b>
3/8"	9-5180	-	<b>30.00</b>

## FOAM PIG



Size	For Hose Size	Part #	Weight	List
6"	4-5-6"	9-5309	-	<b>39.00</b>
7-1/4"	6"	9-6967	-	<b>29.00</b>
8"	6-8"	9-5310	-	<b>40.00</b>
10"	8-10"	9-6966	-	<b>64.00</b>

## SOFT HOSE, TRAVELER (REPLACEMENT)



- 10 year limited warranty
- Cover allows maximum flexibility and good bend radius
- Ease of repair and restoration of damaged hoses to full working performance
- Long term storage stability and extended working life
- Superior resistance to ozone and ultraviolet light

Size	Length	Part #	Weight	List
2-1/2"	660'	6-9616	330.0	<b>Call</b>
3"	660'	6-9617	396.0	<b>Call</b>
3-1/2"	660'	6-9618	528.0	<b>Call</b>
4"	660'	5-0583	660.0	<b>Call</b>
4-1/2"	660'	5-0584	792.0	<b>Call</b>
5"	660'	6-9619	924.0	<b>Call</b>
6"	660'	6-9620	-	<b>Call</b>

## SLUDGE INJECTION HOSE (DRAG HOSE)



L.W.T.

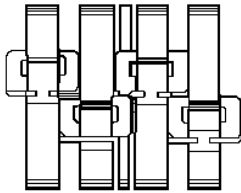


Size	Length	Part #	Weight	List
4"	660'	5-0596	627.0	<b>Call</b>
4-1/2"	660'	5-0597	666.6	<b>Call</b>
5"	660'	9-7343	-	<b>Call</b>
5-1/2"	660'	9-7582	-	<b>Call</b>
6"	660'	9-7583	-	<b>Call</b>
8"	660'	9-7827	-	<b>Call</b>
10"	660'	9-7828	-	<b>Call</b>

Gun Stands/Sprinklers

# HOSE MENDERS

## HOSE MENDER (FOR HARD HOSE, BAND-IT)



Hose ID	Part #	Weight	List
2.5"	6-1828	-	<b>424.00</b>
3.0"	6-1829	-	<b>849.00</b>
3.75"	6-1830	-	<b>869.00</b>
4.1"	6-1831	-	<b>919.00</b>
4.5"	6-1832	-	<b>915.00</b>

## HOSE MENDER (FOR HARD HOSE, SCREW)



- Instructions Included

Hose ID	Part #	Weight	List
0.90"	9-7682	-	<b>303.00</b>
1.10"	9-7677	-	<b>139.00</b>
1.18"	9-7573	-	<b>129.00</b>
1.30"	9-7678	-	<b>157.00</b>
1.40"	9-7679	-	<b>162.00</b>
1.43"	9-7574	-	<b>209.00</b>
1.60"	9-7680	-	<b>198.00</b>
1.67"	9-7575	-	<b>244.00</b>
1.80"	9-7681	-	<b>268.00</b>
1.90"	9-7576	-	<b>244.00</b>
2.00"	9-7683	-	<b>324.00</b>
2.10"	6-1820	-	<b>362.00</b>
2.30"	9-7686	-	<b>495.00</b>
2.50"	6-1821	-	<b>629.00</b>
2.70"	9-7684	-	<b>652.00</b>
3.00"	6-1822	-	<b>665.00</b>
3.30"	9-7577	-	<b>652.00</b>
3.70"	6-9792	-	<b>565.00</b>
4.00"	9-7685	-	<b>780.00</b>
4.10"	6-1824	-	<b>780.00</b>
4.20"	9-7579	-	<b>437.00</b>
4.50"	6-1825	-	<b>780.00</b>
4.60"	9-7580	-	<b>470.00</b>

## HOSE MENDER W/CLAMPS (FOR SOFT HOSE)



- 1/4" Wall x 10" Long
- Instructions Included

Size	Complete w/Clamps			Mender Only		
	Part #	Weight	List	Part #	Weight	List
2-1/2"	5-0588	-	<b>273.00</b>	9-7570	-	<b>33.00</b>
3"	5-0589	-	<b>333.00</b>	9-7571	-	<b>35.00</b>
3-1/2"	5-0590	-	<b>494.00</b>	9-7572	-	<b>145.00</b>
4"	5-0585	9.5	<b>145.00</b>	9-6763	7.1	<b>75.00</b>
4-1/2"	5-0586	10.6	<b>150.00</b>	9-6764	8.3	<b>80.00</b>
5"	5-0591	-	<b>236.00</b>	9-6765	-	<b>120.00</b>
6"	5-0592	-	<b>220.00</b>	9-6766	-	<b>105.00</b>



# HOSE PULL COUPLER

## HOSE PULL COUPLER (WEDGE GRIP)



- Instructions Included
- Cast Aluminum
- Clamps for 4/5"x4" HPC (1/2" Wide) #25229340

### Cast Aluminum:

Hose Size	Discharge	Part #	Weight	List
2-1/2"	3"	6-1800	-	<b>302.00</b>
3"	3"	6-1801	-	<b>1,770.00</b>
3"	4"	6-1802	-	<b>1,075.00</b>
4"	4"	6-1804	11.0	<b>1,400.00</b>
4-1/2"	4"	6-1805	11.0	<b>895.00</b>
4-1/2"	5"	6-1806	-	<b>1,317.00</b>
5"	5"	6-1807	12.1	<b>900.00</b>
6"	6"	8-1446	-	<b>835.00</b>

### Steel:

4-1/2"	4"	6-8041	118.0	<b>944.00</b>
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## HOSE PULL COUPLER (SHUG GRIP)



Hose Size	Discharge	Part #	Weight	List
4-1/2"	4"	9-8360	-	<b>988.00</b>

## BACK TO BACK COUPLER W/CHAINS



- Painted Steel

Size	Part #	Weight	List
3"	9-7568	5.0	<b>244.00</b>
4"	9-7344	6.0	<b>253.00</b>
5"	9-7345	7.0	<b>261.00</b>
6"	9-7346	8.5	<b>256.00</b>

## WELD-ON COUPLER W/CHAINS



- Black Steel

Size	Part #	Weight	List
3"	9-7569	2.5	<b>91.00</b>
4"	9-7347	3.0	<b>95.00</b>
5"	9-7348	3.5	<b>98.00</b>
6"	9-7349	4.3	<b>95.00</b>

## 3 LINK CHAIN



Size	Part #	Weight	List
-	9-7342	0.8	<b>25.00</b>

- Weld to coupler for hose pull coupler connection.
- Black Steel

## 1/2" BASE (BRASS)



20 JH

Description	Type	Part #	Weight	List
20 JH w/nozzle-Rainbird	full / brass	7-0109	0.5	36.59

### 20 JH

Straight Bore Nozzle  
Stream Height 6'

PSI @ Nozzle	7/64"		1/8"		9/64"		5/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
35	38	2.05	38	2.68	39	3.39	39	4.19
40	38	2.19	39	2.86	40	3.62	39	4.47
45	39	2.32	39	3.03	40	3.84	40	4.73
50	39	2.45	39	3.20	40	4.05	40	5.00
55	39	2.57	40	3.35	40	4.24	40	5.23
60	39	2.68	40	3.50	41	4.43	41	5.47

## 1/2" BASE-PART TURN (PLASTIC)



429 PT

Description	Type	Part #	Weight	List
429 PT, w/nozzle-Naan	part / plastic	7-0296	0.2	14.50

### 429 NOZZLES

PSI @ Nozzle	Orange Nozzle 7/64"		Green Nozzle 1/8"		Blue Nozzle 9/64"		Black Nozzle 5/32"	
	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.
15			1.80	66	2.30	67	2.70	69
20	1.60	66	2.10	68	2.50	69	3.10	70
30	2.00	70	2.60	75	3.00	77	3.80	80
40	2.30	74	3.00	78	3.40	82	4.40	83
50	2.60	77	3.30	82	3.80	84	4.90	85
60	2.90	79	3.70	84	4.20	86	5.40	90

## RAINBIRD 3/4" BASE (BRASS)



30 H



35A TNT

Description	Type	Part #	Weight	List
30 H w/nozzles	Full Circle	7-0110	0.9	<b>69.61</b>
35A TNT w/nozzle	Part Circle	7-0150	1.5	<b>126.84</b>

Straight Bore Nozzle  
Stream Height 9'

PSI @ Nozzle	9/64"		5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	2.90	41	3.50	41	4.30	42	5.10
30	40	3.10	42	3.90	44	4.70	45	5.60
35	41	3.40	43	4.20	45	5.10	47	6.00
40	41	3.60	44	4.50	46	5.40	48	6.40
45	42	3.80	44	4.70	46	5.70	49	6.80
50	42	4.10	45	5.00	47	6.10	50	7.20
55	43	4.20	45	5.20	48	6.30	50	7.60
60	43	4.40	46	5.50	48	6.60	51	7.90
65	44	4.60	46	5.80	49	6.90	51	8.20
70	44	4.80	47	5.90	49	7.20	52	8.50
75	45	5.00	47	6.10	50	7.40	52	8.80
80	45	5.10	48	6.30	50	7.70	53	9.10

Straight Bore Nozzle w/Spreader  
Stream Height 9'

PSI @ Nozzle	9/64" x 3/32"		5/32" x 3/32"		11/64" x 3/32"		3/16" x 3/32"		3/16" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	4.20	41	4.80	41	5.60	42	6.40	42	7.40
30	40	4.60	42	5.30	44	6.10	45	7.10	45	8.10
35	41	4.90	43	5.70	45	6.60	47	7.50	47	8.70
40	41	5.20	44	6.10	46	7.00	48	8.10	48	9.30
45	42	5.60	44	6.50	46	7.40	49	8.50	49	9.90
50	42	5.90	45	6.80	47	7.90	50	9.00	50	10.40
55	43	6.10	45	7.10	48	8.20	50	9.40	50	10.90
60	43	6.40	46	7.40	48	8.60	51	9.90	51	11.40
65	44	6.70	46	7.80	49	8.90	51	10.20	51	11.80
70	44	6.90	47	8.10	49	9.30	52	10.70	52	12.30
75	45	7.20	47	8.30	50	9.60	52	11.00	52	12.70
80	45	7.50	48	8.70	50	10.00	53	11.50	53	13.10

## WADE RAIN 3/4" BASE (BRASS)



WR-33



WR-35

Description	Type	Part #	Weight	List
WR-33 w/nozzles	Full Circle	9-7526	1.0	<b>25.00</b>
WR-35 w/nozzles	Part Circle	9-8125	-	<b>50.00</b>

Single Nozzle w/Plug  
27 Deg. Trajectory (No Vane)

PSI @ Nozzle	1/8"		9/94"		5/32"		11/64"		3/16"		13/64"		7/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	-	-	40	2.88	41	3.52	42	4.24	43	5.00	43	5.90	44	6.85
30	-	-	41	3.15	43	3.85	44	4.64	46	5.50	47	6.50	48	7.55
35	-	-	41	3.40	44	4.16	45	5.02	47	6.00	49	7.05	50	8.20
40	-	-	42	3.64	44	4.45	46	5.37	48	6.40	50	7.55	51	8.80
45	41	3.05	42	3.86	45	4.72	47	5.70	49	6.80	51	8.00	52	9.35
50	42	3.22	43	4.07	45	4.98	48	6.01	50	7.20	52	8.45	53	9.90
55	42	3.38	43	4.27	46	5.22	48	6.30	51	7.50	52	8.85	54	10.40
60	43	3.53	44	4.46	46	5.45	49	6.57	51	7.90	53	9.25	54	10.75
65	43	3.68	44	4.65	47	5.68	49	6.83	52	8.20	53	9.60	55	11.10
70	43	3.82	45	4.83	47	5.90	50	7.09	52	8.50	54	9.95	55	11.40
75	44	3.96	45	5.00	48	6.11	50	7.34	53	8.80	54	10.25	56	11.70
80	44	4.09	46	5.17	48	6.30	51	7.58	53	9.10	55	10.50	56	12.00

Double Nozzle  
27 Deg. Trajectory (No Vane)

PSI @ Nozzle	9/64" x 3/32" x		5/32" x 3/32" x		11/64" x 3/32" x		3/16" x 3/32" x		3/16" x 1/8"		13/64" x 1/8"		7/32" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	4.18	41	4.83	42	5.55	43	6.31	43	7.40	43	8.30	44	9.25
30	41	4.58	43	5.28	44	6.07	46	6.93	46	8.15	47	9.15	48	10.20
35	41	4.95	44	5.71	45	6.57	47	7.51	47	8.83	49	9.93	50	11.10
40	42	5.29	44	6.11	46	7.03	48	8.03	48	9.46	50	10.65	51	11.90
45	42	5.61	45	6.48	47	7.46	49	8.53	49	10.05	51	11.30	52	12.65
50	43	5.91	45	6.82	48	7.87	50	9.00	50	10.60	52	11.90	53	13.35
55	43	6.20	46	7.15	48	8.25	51	9.45	51	11.10	52	12.50	54	14.00
60	44	6.48	46	7.47	49	8.60	51	9.86	51	11.60	53	13.00	54	14.50
65	44	6.75	47	7.78	49	8.93	52	10.27	52	12.10	53	13.50	55	15.00
70	45	7.00	47	8.08	50	9.25	52	10.66	52	12.50	54	14.00	55	15.45
75	45	7.25	48	8.37	50	9.56	53	11.02	53	12.90	54	14.40	56	15.90
80	46	7.49	48	8.65	51	9.87	53	11.36	53	13.25	55	14.80	56	16.30

Gun Stands/Sprinklers

## 3/4" BASE (BRASS)



14070H

Description	Type	Part #	Weight	List
14070H w/nozzles-Rainbird	full / brass	7-0155	1.3	87.81

### Straight Bore Nozzle Stream Height 10'

PSI @ Nozzle	5/32"	11/64"	3/16"	13/64"	7/32"	15/64"	1/4"	17/64"	9/32"
	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM
25	-	-	44 5.10	45 6.00	46 7.00	46 8.00	47 9.10	48 10.30	48 11.50
30	-	-	47 5.60	48 6.60	49 7.60	50 8.80	51 10.00	51 11.20	52 12.60
35	46 4.20	47 5.10	49 6.10	50 7.10	51 8.20	52 9.50	52 10.80	53 12.00	54 13.60
40	46 4.50	48 5.40	50 6.50	51 7.60	52 8.80	53 10.10	54 11.50	55 13.00	56 14.60
45	47 4.80	49 5.80	51 6.90	52 8.10	54 9.30	55 10.70	56 12.20	57 13.80	58 15.40
50	48 5.00	50 6.10	52 7.20	53 8.50	55 9.80	56 11.30	57 12.90	58 14.50	59 16.30
55	48 5.30	50 6.40	53 7.60	54 8.90	56 10.30	54 11.80	59 13.50	59 15.20	61 17.10
60	49 5.50	51 6.70	53 7.90	55 9.30	57 10.80	58 12.40	60 14.10	61 15.90	62 17.80
65	49 5.70	52 6.90	54 8.30	56 9.70	58 11.20	59 12.90	61 14.70	62 16.50	63 18.50
70	50 5.90	52 7.20	55 8.60	57 10.00	59 11.60	60 13.40	62 15.20	63 17.20	65 19.20
75	50 6.20	53 7.40	55 8.90	58 10.40	60 12.10	61 13.80	63 15.70	-	-
80	50 6.40	53 7.70	56 9.10	58 10.70	61 12.40	62 14.30	64 16.30	-	-

### Straight Bore Nozzle w/Spreader Stream Height 10'

PSI @ Nozzle	3/16" x 1/8"	13/64" x 1/8"	7/32" x 1/8"	15/64" x 1/8"	1/4" x 1/8"	17/64" x 1/8"	9/32" x 1/8"
	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM
25	44 7.40	45 8.30	46 9.20	46 10.30	47 11.40	47 12.50	48 13.80
30	47 8.10	48 9.10	49 10.10	50 11.20	54 12.40	51 13.70	52 15.10
35	49 8.70	50 9.80	51 10.90	52 12.10	52 13.40	53 14.80	54 16.30
40	50 9.30	51 10.50	52 11.70	53 13.00	54 14.40	55 15.80	56 17.40
45	51 9.90	52 11.10	54 12.40	55 13.80	56 15.20	57 16.80	58 18.50
50	52 10.40	53 11.70	55 13.10	56 14.50	57 13.10	58 17.70	59 19.50
55	53 10.90	54 12.30	56 13.70	57 15.20	59 16.90	59 18.60	61 20.40
60	53 11.40	55 12.80	57 14.30	58 15.90	60 17.60	61 19.40	62 21.30
65	54 11.90	56 13.30	58 14.90	59 16.50	61 18.30	62 20.20	63 22.20
70	55 12.40	57 13.80	59 15.40	60 17.20	62 19.00	63 21.00	65 23.00
75	55 12.80	58 14.30	60 16.00	61 17.80	63 19.70	-	-
80	56 13.20	58 14.80	61 16.50	62 18.40	64 20.30	-	-

## 1" BASE (BRASS)



70CWH

Description	Type	Part #	Weight	List
70CWH w/nozzles-Rainbird	Full Circle	7-0130	3.0	272.61

### Straight Bore Nozzle w/Plug Stream Height 8'

PSI @ Nozzle	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"
	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM
40	57 8.80	60 11.50	62 14.00	65 17.70	68 21.10	68 24.40	70 28.50
45	58 9.40	61 12.20	64 15.50	66 18.90	68 22.50	70 26.00	72 30.40
50	58 9.90	62 12.90	65 16.30	68 20.00	70 23.90	71 27.50	73 32.30
55	60 10.40	63 13.60	66 17.20	71 21.00	71 25.00	73 29.10	75 34.00
60	61 10.90	64 14.20	67 18.00	71 22.00	73 26.20	74 30.60	77 35.70
65	62 11.40	65 14.80	68 18.80	72 23.00	74 27.40	76 32.00	78 37.30
70	63 11.80	66 15.40	70 19.50	73 23.90	76 28.50	77 33.20	79 38.90
75	64 12.20	67 16.00	71 20.30	74 24.80	77 29.60	78 34.50	81 40.40
80	65 12.60	68 16.50	72 20.90	75 25.70	78 30.60	80 35.70	82 41.80

### Straight Bore Nozzle w/Spreader Stream Height 8'

PSI @ Nozzle	7/32" x 1/8"	1/4" x 1/8"	9/32" x 1/8"	5/16" x 1/8"	11/32" x 1/8"	3/8" x 1/8"	13/32" x 1/8"
	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM	Rad. GPM
40	57 11.00	60 14.30	62 17.40	65 20.50	61 23.80	68 27.20	70 31.40
45	58 12.40	61 15.20	64 18.50	66 21.90	68 25.50	70 29.00	72 33.40
50	58 13.00	62 16.00	65 19.40	68 23.10	70 26.90	71 30.60	73 35.50
55	60 13.70	63 16.90	66 20.40	70 24.30	71 28.30	73 32.40	75 37.40
60	61 14.30	64 17.60	67 21.40	71 25.40	73 29.60	74 34.00	77 39.20
65	62 15.00	65 18.40	68 22.40	72 26.60	74 31.00	76 35.60	78 40.90
70	63 15.50	66 19.10	70 23.20	73 27.60	75 32.20	77 36.90	79 42.70
75	64 16.00	67 19.80	71 24.10	74 28.60	77 33.40	78 38.30	81 44.30
80	65 16.50	68 20.40	72 24.80	75 29.60	78 34.50	80 39.60	82 45.80

## 1" BASE (PLASTIC)



7025



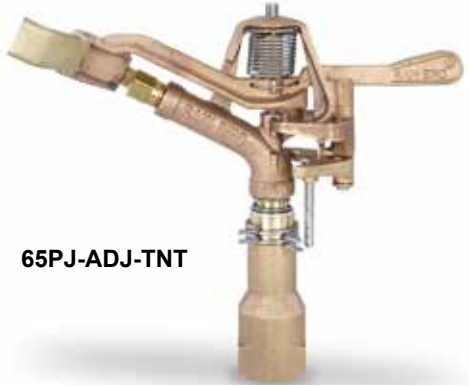
7025 Arm

Description	Type	Part #	Weight	List
7025 w/nozzles-Senninger	Full Circle	7-0140	1.1	78.00
#7025 Arm Only-Senninger	-	7-0141	0.3	26.00

Sprinkler Base Pressure (psi)	35	40	45	50	55	60	65	70
<b>#14 Nozzle (7/32")</b>								
Flow (gpm)	8.11	8.66	9.2	9.69	10.2	10.6	11	11.5
Diam. At 1.5' ht. (ft.)	106	111	113	115	117	119	121	123
Diam. At 6.0' ht. (ft.)	114	118	121	124	126	128	129	130
<b>#16 Nozzle (1/4")</b>								
Flow (gpm)	10.7	11.4	12.1	12.8	13.4	14	14.6	15.1
Diam. At 1.5' ht. (ft.)	111	117	120	123	126	129	131	133
Diam. At 6.0' ht. (ft.)	122	126	129	131	134	136	137	138
<b>#18 Nozzle (9/32")</b>								
Flow (gpm)	13.3	14.2	15	15.9	16.6	17.4	18.1	18.8
Diam. At 1.5' ht. (ft.)	118	124	127	129	134	139	142	144
Diam. At 6.0' ht. (ft.)	128	132	135	137	141	144	146	147
<b>#20 Nozzle (5/16")</b>								
Flow (gpm)	16	17.1	18.2	19.2	20.1	21	21.8	22.7
Diam. At 1.5' ht. (ft.)	124	130	134	137	142	146	150	153
Diam. At 6.0' ht. (ft.)	133	137	140	143	147	151	154	155
<b>#22 Nozzle (11/32")</b>								
Flow (gpm)	19.3	20.5	21.8	22.9	24.1	25.1	26.1	27.1
Diam. At 1.5' ht. (ft.)	126	133	141	148	153	157	160	162
Diam. At 6.0' ht. (ft.)	136	141	146	150	155	159	162	164
<b>#24 Nozzle (3/8")</b>								
Flow (gpm)	22.4	23.9	25.3	26.7	28	29.3	30.4	31.6
Diam. At 1.5' ht. (ft.)	130	138	145	151	156	160	166	169
Diam. At 6.0' ht. (ft.)	138	145	150	155	160	164	167	170

Gun Stands/Sprinklers

## 1" BASE-PART TURN (BRASS)



65PJ-ADJ-TNT

Description	Type	Part #	Weight	List
65JADJ-TNT-Rainbird	Part Turn	7-0160	3.6	<b>356.09</b>

### Straight Bore Nozzle Stream Height 10'

PSI @ Nozzle	1/4"	
	Rad.	GPM
50	57	12.90
55	57	13.60
60	58	14.20
65	62	14.90
70	63	15.40
75	64	16.00
80	65	16.50

## 1-1/4" BASE (BRASS)



85 EHD  
27°

Description	Type	Part #	Weight	List
85 EHD w/nozzles-Rainbird	Part Circle	9-7762	5.3	<b>552.00</b>

### Straight Bore Nozzle w/Spreader Stream Height 14'

PSI @ Nozzle	11/32"x 7/32"		3/8" x 7/32"		13/32" x 7/32"		7/16" x 7/32"		15/32" x 7/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	61	23.30	62	26.50	64	29.60	66	32.90	66	36.40
30	64	25.60	65	29.10	68	32.40	69	36.10	72	40.00
35	67	27.70	68	31.40	72	35.10	74	39.00	77	43.30
40	69	29.60	71	33.60	75	37.60	77	41.80	80	46.30
45	71	31.50	73	35.70	77	39.90	79	44.40	82	49.20
50	73	33.20	75	37.70	79	42.10	81	46.80	84	51.90
55	75	34.90	77	39.70	81	44.30	83	49.10	86	54.70
60	77	36.50	79	41.40	83	46.60	86	51.50	88	57.20
65	79	38.00	81	43.20	84	48.60	87	53.80	90	59.80
70	81	40.10	83	44.90	86	50.40	89	55.90	91	62.10
75	82	41.00	84	46.70	87	52.40	90	57.90	93	64.30
80	83	42.60	86	48.30	89	54.30	92	60.00	94	66.70
85	85	43.80	87	49.80	90	56.00	93	62.00	96	68.80
90	86	45.70	89	51.40	92	57.90	95	63.90	97	70.70
95	87	46.60	90	53.00	93	59.60	96	65.80	98	72.80
100	88	47.90	91	54.50	94	61.20	97	67.50	99	74.80



# NOZZLES & BEARINGS

## NOZZLE (FOR 3/4" SPRINKLER)



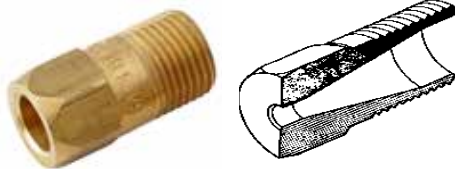
Order vane separately.



Description	Size	Part #	Weight	List	
Range	1/8"	.125	7-0360	-	2.97
Range	9/64"	.140625	7-0330	-	2.97
Range	5/32"	.15625	7-0331	-	2.97
Range	11/64"	.171875	7-0332	-	2.97
Range	3/16"	.1875	7-0333	-	2.97
Range	13/64"	.203125	7-0334	-	2.97
Range	7/32"	.21875	7-0335	-	2.97
Range	15/64"	.234375	7-0336	-	2.97
Range	1/4"	.25	7-0337	-	2.97
Range	17/64"	.265625	7-0338	-	2.97
Range	9/32"	.28125	7-0339	-	2.97
Spreader 7°	3/32"	.09375	9-7804	-	2.24
Spreader 7°	7/64"	.109375	9-7805	-	2.24
Spreader 7°	1/8"	.125	9-7806	-	2.24
Spreader 7°	9/64"	.140625	9-7807	-	2.24
Spreader 7°	5/32"	.15625	9-7808	-	2.24
Spreader 7°	11/64"	.171875	9-7809	-	2.24
Spreader 7°	3/16"	.1875	9-7810	-	2.24
Spreader 7°	13/64"	.20313	9-7812	-	2.24
Spreader 7°	7/32"	.21875	9-7811	-	2.24
Spreader 20°	3/32"	.09375	7-0340	-	2.24
Spreader 20°	7/64"	.109375	7-0366	-	2.24
Spreader 20°	1/8"	.125	7-0341	-	2.24
Spreader 20°	9/64"	.140625	7-0362	-	2.24
Spreader 20°	5/32"	.15625	7-0361	-	2.24
Spreader 20°	11/64"	.171875	7-0364	-	2.24
Spreader 20°	3/16"	.1875	7-0365	-	2.24
Spreader 20°	13/64"	.20313	9-7813	-	2.24
Spreader 20°	7/32"	.21875	7-0363	-	2.24
Vanes for #30			6-9692	-	0.67
Back Plug			7-0342	-	1.52

## NOZZLE (FOR 1" SPRINKLER)

Brass:



Description	Size	Part #	Weight	List	
Range	7/32"	.21875	7-0343	-	11.59
Range	1/4"	.25	7-0344	-	11.59
Range	9/32"	.28125	7-0345	-	11.59
Range	5/16"	.3125	7-0346	-	11.59
Range	11/32"	.34375	7-0347	-	11.59
Range	3/8"	.375	7-0348	-	11.59
Range	13/32"	.40625	7-0349	-	11.59

Plastic:

Description	Size	Part #	Weight	List	
Range #14	7/32"	.21875	7-0350	-	2.70
Range #16	1/4"	.25	7-0351	-	2.70
Range #18	9/32"	.28125	7-0352	-	2.70
Range #20	5/16"	.3125	7-0353	-	2.70
Range #22	11/32"	.34375	7-0354	-	2.70
Range #24	3/8"	.375	7-0355	-	2.70

## BEARING ASSEMBLY (FOR #30 RAINBIRD)



Size	Part #	Weight	List
3/4"	7-0356	-	12.00

Gun Stands/Sprinklers

## SMALL SPRINKLERS SIME

Description	Size	Part #	Weight	List
Funny	1" FPT	9-7717	-	83.00
K-1	1-1/4" FPT	9-7718	-	128.00
Hidra	1-1/2" FPT	9-7719	-	237.00



Funny Sprinkler

<b>FUNNY (28° Trajectory) 1" FNPT</b>									
PSI	Nozzle 5mm (.20")		Nozzle 6mm (.24")		Nozzle 7mm (.28")		Nozzle 9mm (.35")		Diameter
	GPM	Diameter	GPM	Diameter	GPM	Diameter	GPM	Diameter	
22	5.3	84	7	86	10	92	16.4	100	
29	6	92	8.5	96	11	100	19	108	
44	7	100	10	108	14	112	23	122	
58	9	108	12	116	16	122	26	128	



K-1 Sprinkler

<b>K1 (30° Trajectory) 1.25" FNPT Connection</b>									
PSI	Nozzle 8mm (.315")		Nozzle 9mm (.354")		Nozzle 10mm (.394")		Nozzle 12mm (.472")		Diameter
	GPM	Diameter	GPM	Diameter	GPM	Diameter	GPM	Diameter	
22	13	102	16	108	20	112	29	112	
29	15	112	19	114	23	118	34	124	
44	18	124	23	128	28	134	41	136	
58	21	134	26	138	33	144	47	154	



Hidra Sprinkler

<b>HIDRA (25° Trajectory) 1.5" FNPT Connection</b>									
PSI	Nozzle 12mm (.47")		Nozzle 14mm (.55")		Nozzle 16mm (.63")		Nozzle 18mm (.71")		Diameter
	GPM	Diameter	GPM	Diameter	GPM	Diameter	GPM	Diameter	
29	40	130	52	138	65	144	-	-	
44	48	156	63	164	80	170	100	184	
58	56	176	73	190	93	196	115	202	
73	62	196	81	202	103	216	128	224	
88	-	-	-	-	-	-	140	236	

## SMALL SPRINKLERS KOMET

Description	Size	Part #	Weight	List
#163	1-1/2" FPT	9-7826	-	325.00



### Taper Bore Nozzle

Noz Psi	Nozzle .31" 8 MM		Nozzle .39" 10 MM		Nozzle .47" 14 MM		Nozzle .55" 14 MM		Nozzle .63" 16 MM	
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA
40	26	141	35	154	47	167	61	175	77	182
50	29	151	39	165	53	179	68	188	86	197
60	32	159	43	177	58	190	75	200	94	210
70	34	165	46	185	62	198	81	208	101	218
80	36	173	50	193	67	208	87	216	109	224



Description	Type	Part #	Weight	List
F100 w/nozzle	Full Circle	7-0230	20.5	<b>1,023.65</b>
F150R w/nozzle	Full Circle	7-0240	43.0	<b>2,122.85</b>
F200 w/nozzle	Full Circle	7-0280	56.0	<b>3,532.00</b>
SR100 w/nozzle	Part Turn	7-0295	26.5	<b>1,510.65</b>
SR150 w/nozzle	Part Turn	7-0250	49.0	<b>2,535.85</b>
SR200 w/nozzle	Part Turn	7-0290	78.0	<b>4,949.00</b>



Nelson SR100



Nelson SR150



Nelson SR200

- Includes one nozzle on all guns.
- Includes flg x fpt adapter on 150 & 200 guns.

### 100 TAPER BORE NOZZLE — 24° TRAJECTORY

PSI	0.5"		0.55"		0.6"		0.65"		0.7"		0.75"		0.8"		0.85"		0.9"		1.0"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
40	47	191	57	202	66	213	78	222	91	230	103	240	118	250	134	256	152	262	—	—
50	50	205	64	215	74	225	87	235	100	245	115	256	130	265	150	273	165	280	204	300
60	55	215	69	227	81	240	96	250	110	260	126	270	143	280	164	288	182	295	224	316
70	60	225	75	238	88	250	103	263	120	275	136	283	155	295	177	302	197	310	243	338
80	64	235	79	248	94	260	110	273	128	285	146	295	165	305	189	314	210	325	258	354
90	68	245	83	258	100	270	117	283	135	295	155	306	175	315	201	326	223	335	274	362
100	72	255	87	268	106	280	123	293	143	305	163	316	185	325	212	336	235	345	289	372
110	76	265	92	278	111	290	129	303	150	315	171	324	195	335	222	344	247	355	304	380

### 150 TAPER BORE NOZZLE — 24° TRAJECTORY

PSI	0.7"		0.8"		0.9"		1.0"		1.1"		1.2"		1.3"		1.4"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
50	100	250	130	270	165	290	205	310	255	330	300	345	350	360	408	373
60	110	265	143	285	182	305	225	325	275	345	330	365	385	380	446	396
70	120	280	155	300	197	320	245	340	295	360	355	380	415	395	483	412
80	128	290	165	310	210	335	260	355	315	375	380	395	445	410	516	427
90	135	300	175	320	223	345	275	365	335	390	405	410	475	425	547	442
100	143	310	185	330	235	355	290	375	355	400	425	420	500	440	577	458
110	150	320	195	340	247	365	305	385	370	410	445	430	525	450	605	471
120	157	330	204	350	258	375	320	395	385	420	465	440	545	460	632	481

### 200 TAPER BORE NOZZLE — 27° TRAJECTORY

PSI	1.05"		1.1"		1.2"		1.3"		1.4"		1.5"		1.6"		1.75"		1.9"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
60	250	345	285	355	330	375	385	390	445	410	515	430	585	445	695	470	825	495
70	270	360	310	380	355	395	415	410	480	430	555	450	630	465	755	495	890	515
80	290	375	330	395	380	410	445	430	515	450	590	470	675	485	805	515	950	535
90	310	390	350	410	405	425	475	445	545	465	625	485	715	505	855	535	1005	555
100	325	400	370	420	425	440	500	460	575	480	660	500	755	520	900	550	1060	575
110	340	410	390	430	445	450	525	470	605	495	695	515	790	535	945	565	1110	590
120	355	420	405	440	465	460	545	480	630	505	725	530	825	550	985	580	1160	605
130	370	425	425	445	485	465	565	485	655	515	755	540	860	560	1025	590	1210	620

Gun Stands/Sprinklers

# KOMET (TWIN) VOLUME GUNS



Description	Pattern	Angle	Connection	Part #	Weight	List
Twin 101 Ultra	Part & Full	18° Pivot	2" Thread	7-0231	20.9	<b>1,444.30</b>
Twin 101 Ultra	Part & Full	24°	Flange/FPT	6-9769	20.9	<b>1,444.30</b>
Twin 101 Ultra	Part & Full	Vari Angle	Flange/FPT	6-9770	23.2	<b>1,727.30</b>
Twin 101 Ultra	Full Circle	24°	Flange/FPT	6-9771	18.7	<b>1,020.30</b>
Twin 101 Ultra Dust Control	Part & Full	44°	Flange/FPT	6-9775	20.9	<b>1,444.30</b>
Twin 101 Ultra Dust Control	Part & Full	Vari Angle	Flange/FPT	6-9776	23.2	<b>1,727.30</b>
Twin 140 Ultra	Part & Full	24°	Flanged	7-0251	22.1	<b>1,869.80</b>
Twin 140 Ultra	Part & Full	Vari Angle	Flanged	6-9777	22.1	<b>2,226.80</b>
Twin 140 Ultra Dust Control	Part & Full	44°	Flanged	6-9778	22.1	<b>1,869.80</b>
Twin 140 Ultra Dust Control	Part & Full	Vari Angle	Flanged	6-9779	25.4	<b>2,226.80</b>
Twin 160 Ultra	Part & Full	24°	Flanged	6-9780	29.8	<b>2,188.00</b>
Twin 160 Ultra	Part & Full	Vari Angle	Flanged	6-9781	34.2	<b>2,607.00</b>
Twin 160 Ultra	Full Circle	24°	Flanged	6-9782	25.4	<b>1,557.00</b>
Twin 202 Ultra	Part & Full	24°	Flanged	7-0300	30.9	<b>2,535.00</b>
Twin 202 Ultra	Part & Full	Vari Angle	Flanged	6-9786	35.3	<b>3,026.00</b>

- Includes one nozzle on all guns.
- Includes flg x 3" fpt adapter and gasket on 140, 160 & 202 guns.
- Vari Angle Guns adjust from 15° to 45°.



Twin 101 Ultra Performance Chart

Pressure PSI	Nozzle Ø12mm 0.47"		Nozzle Ø13mm 0.51"		Nozzle Ø14mm 0.55"		Nozzle Ø15mm 0.59"		Nozzle Ø16mm 0.63"		Nozzle Ø17mm 0.67"		Nozzle Ø18mm 0.71"		Nozzle Ø19mm 0.75"		Nozzle Ø20mm 0.79"		Nozzle Ø21mm 0.83"	
	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.
	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft
30	35	193	41	194	48	195	55	196	62	197	70	198	78	199	87	200	97	201	107	202
40	40	206	47	209	55	213	63	216	71	220	81	224	90	228	101	232	112	236	123	240
50	45	213	53	219	62	224	71	230	80	235	90	241	101	247	113	253	125	259	138	264
60	50	219	58	226	67	233	77	240	87	247	99	254	111	262	124	269	137	276	151	283
70	54	229	63	234	73	242	84	250	94	258	107	266	119	275	134	283	148	291	163	298
80	57	235	67	243	78	252	89	261	101	270	114	279	128	287	143	296	158	305	174	312
90	61	243	71	252	83	262	95	271	107	281	121	290	135	299	151	307	168	316	185	324
100	64	250	75	260	87	269	100	279	113	289	128	298	143	307	160	316	177	325	195	333
110	67	256	79	266	91	276	105	285	118	295	134	304	150	313	167	323	186	332	204	341

# KOMET (TWIN) VOLUME GUNS



### Twin 140 Ultra Performance Chart

Pressure PSI	Nozzle Ø16mm 0.63"		Nozzle Ø17mm 0.67"		Nozzle Ø18mm 0.71"		Nozzle Ø19mm 0.75"		Nozzle Ø20mm 0.79"		Nozzle Ø21mm 0.83"		Nozzle Ø22mm 0.87"		Nozzle Ø23mm 0.91"		Nozzle Ø24mm 0.94"		Nozzle Ø25mm 0.98"		
	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	
	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM
30	62	198	70	199	78	200	87	201	97	202	107	203	117	204	127	206	139	207	151	208	
40	71	221	81	225	90	229	101	233	112	237	123	241	135	245	147	248	161	252	175	256	
50	80	236	90	242	101	248	113	254	125	260	138	266	151	271	164	277	180	282	195	288	
60	87	248	99	256	111	263	124	270	137	278	151	284	165	291	180	297	197	304	214	311	
70	94	259	107	268	119	276	134	284	148	293	163	300	178	307	194	314	212	321	231	329	
80	101	271	114	280	128	289	143	298	158	306	174	314	191	321	208	329	227	336	247	345	
90	107	282	121	291	135	300	151	309	168	318	185	326	202	334	220	342	241	350	262	359	
100	113	290	128	299	143	308	160	318	177	327	195	335	213	343	232	352	254	360	276	370	
110	118	296	134	306	150	315	167	324	186	334	204	343	224	352	244	360	266	369	290	379	



### Twin 160 Ultra Performance Chart

Pressure PSI	Nozzle Ø18mm 0.71"		Nozzle Ø19mm 0.75"		Nozzle Ø20mm 0.79"		Nozzle Ø21mm 0.83"		Nozzle Ø22mm 0.87"		Nozzle Ø23mm 0.91"		Nozzle Ø24mm 0.94"		Nozzle Ø25mm 0.98"		Nozzle Ø26mm 1.02"		Nozzle Ø27mm 1.06"		Nozzle Ø28mm 1.10"		Nozzle Ø29mm 1.14"				
	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	
	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM
40	92	228	101	232	113	236	124	239	137	243	150	247	163	251	176	254	192	258	206	261	222	265	238	270			
50	102	254	113	260	127	266	138	272	153	277	168	283	182	289	197	295	215	301	230	307	248	313	266	317			
60	112	272	124	280	139	287	152	294	167	301	184	308	199	314	216	322	235	336	252	336	272	344	292	349			
70	121	284	134	292	150	301	164	308	181	315	199	323	215	330	233	338	254	347	273	355	294	363	315	371			
80	130	293	143	306	160	311	175	319	193	326	212	334	230	341	249	351	272	360	291	369	314	378	337	386			
90	137	303	152	312	170	321	186	329	205	337	225	345	244	353	264	362	288	372	309	381	333	391	357	399			
100	145	311	160	319	179	330	196	338	216	347	237	355	257	364	278	374	304	383	326	392	351	402	377	410			
110	152	319	168	329	188	338	205	347	226	356	249	365	270	374	292	384	319	393	342	402	368	412	395	420			
120	159	326	175	336	196	346	215	355	237	365	260	374	281	384	305	393	333	402	357	411	384	420	413	429			
130	165	334	182	344	204	354	223	364	246	373	271	383	293	392	317	401	347	410	371	439	400	428	429	436			

Gun Stands/Sprinklers



### Twin 202 Ultra Performance Chart

Pressure PSI	Nozzle Ø22mm 0.87"		Nozzle Ø23mm 0.91"		Nozzle Ø24mm 0.94"		Nozzle Ø25mm 0.98"		Nozzle Ø26mm 1.02"		Nozzle Ø27mm 1.06"		Nozzle Ø28mm 1.10"		Nozzle Ø29mm 1.14"		Nozzle Ø30mm 1.18"		Nozzle Ø31mm 1.22"		Nozzle Ø32mm 1.26"		Nozzle Ø33mm 1.30"				
	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	Flow	Throw DIA.	
	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM	ft	GPM
40	137	243	150	247	163	251	176	255	192	258	206	262	222	265	238	270	255	275	273	279	292	284	307	284			
50	153	280	168	286	182	291	197	298	215	304	230	310	248	316	266	319	285	323	305	327	326	331	343	336			
60	167	303	184	310	199	317	216	325	235	332	252	339	272	347	292	352	312	357	334	363	357	368	376	375			
70	181	317	199	324	215	332	233	340	254	348	273	357	294	365	315	373	337	380	361	388	386	395	406	402			
80	193	328	212	336	230	343	249	352	272	361	291	370	314	380	337	381	360	396	386	404	412	412	434	419			
90	205	340	225	347	244	355	264	364	288	374	309	383	333	393	357	401	382	408	410	416	437	424	461	433			
100	216	348	237	357	257	366	278	375	304	385	326	394	351	404	377	412	403	420	432	428	461	436	486	446			
110	226	359	249	368	270	377	292	386	319	396	342	405	368	415	395	423	423	431	453	440	484	448	509	459			
120	237	369	260	379	281	388	305	397	333	407	357	416	384	425	413	434	441	442	473	450	505	458	532	470			
130	246	377	271	387	293	397	317	406	347	415	371	424	400	433	429	441	460	449	492	457	526	466	554	477			

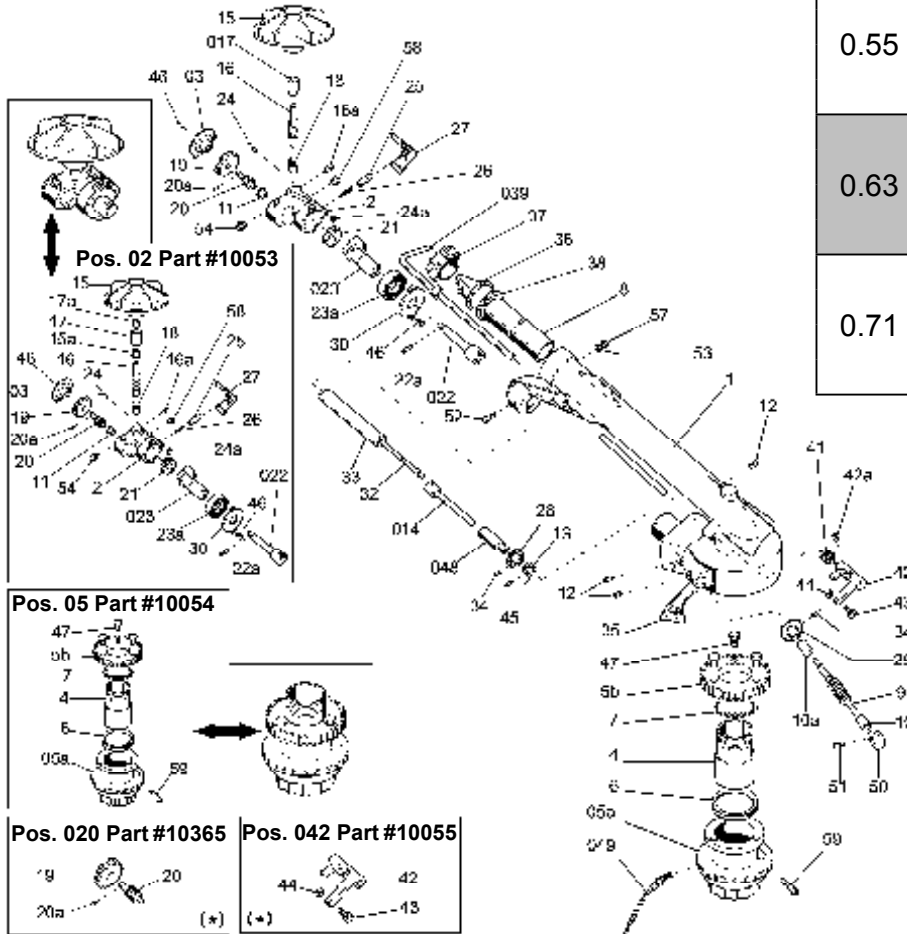
# RIVER GEAR DRIVE SPRINKLERS

## RIVER (P-190)

Description	Pattern	Part #	Weight	List
River w/Nozzles	Part & Full	7-0325	10.4	395.00



1 1/2" FPT base  
Includes 3 nozzles  
120' - 228' Diameter



River 190 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
0.4	10	29	120	23
		37	132	26
		44	136	28
		56	150	33
0.47	12	37	136	38
		44	144	41
		51	156	44
		56	170	47
0.55	14	37	136	51
		44	150	56
		51	164	61
		66	176	68
0.63	16	44	164	73
		51	176	79
		56	188	84
		70	204	94
0.71	18	44	164	92
		56	204	107
		70	216	119
		85	228	131

Gear-driven sprinklers are ideal for use on delicate seeds and plants or on heavy soils where light, gentle applications are required. Smooth running, continuous rotation makes these ideal for use on tripods, travelers or as an end sprinkler on pivots. All nozzles come complete with 22° and 28° trajectory nozzles. Companion flanges included.

- Advantages of "Sime" green Italian gear-driven volume sprinklers
- Smooth, continuous rotation with superior stream break-up and less vibration compared to impact driven guns.
  - Gentle sweeps are ideal for tender crops such as carrots, spinach, green beans, etc.
  - Give better coverage due to their rapid rotation (average 90 seconds).
  - Will run in lower temperatures without freezing.
  - Includes flip nozzles allowing one gun to have 22 & 28 degree capabilities.
  - Full & part-circle arc adjustments require no tools.
  - Priced lower than impact-driven volume guns.
  - Optional 25° nozzle available.



# RIVER GEAR DRIVE SPRINKLERS

**River**

Pos #	Part #	Description	List Price
1	30168	Sprinkler Body	153.10
2	30169	Gearbox	40.30
02	10053	Whole Head	310.60
02am	10169	Complete American Gearbox	446.20
03	10378	Cover w/ Bearing	11.40
4	30172	Internal Body	46.60
05	10054	Complete Crown	250.00
05a	10380	Crown	78.80
5b	30175	Toothed Ring	36.30
6	30176	U-Packing	8.30
7	30177	Sphere (Requires 36)	0.50
8	30178	Rectifier	12.90
9	30620	Worm Carter	31.00
10	30180	External Body Bearing	7.50
10a	30181	Internal Body Bearing	5.80
11	30182	Pinion Bearing	5.00
12	30183	Grub Screw	1.70
13	30184	Inversion Lever	9.90
014	10084-S	Complete Shaft	18.00
15	30186	Propeller	27.50
15a	30677	Du-Bearing For Gearbox	8.50
16	30628	Endless Screw	35.00
16a	30187	Grub Screw	1.70
017	10293	Bearing House	26.30
17a	30189	Du Bearing	10.80
18	30190	Blind Bearing	13.20
19	30191	Toothed Wheel	29.00
20	30192	Gearbox Pinion	11.20
020	10365-S	Complete Pinion	35.00
20a	30193	Pin For Pinion	1.00
21	30109	Gearbox Gear	16.50
22	30195	Gearbox Shaft	13.20
022	10459-S	Pin Head	Call
22a	30196	Elastic Pin	1.00
023	10411	Gearbox Support	30.60
23a	30198	Ball Bearing	20.20
24	30199	Screw	1.00
24a	30200	Nut	0.50

Pos #	Part #	Description	List Price
25	30201	Spring House	5.10
26	30203	Inversion Spring	1.80
27	30204	Cover	2.80
28	30205	Gear Z11	17.00
29	30206	Gear Z14	10.00
30	30207	Cover	6.90
32	20031	Shafting Bar	10.10
33	20032	Shafting Bar Cover	8.10
34	30208	Elastic Pin	1.00
35	30209	Inversion Lever Cover	5.00
36	30210-10	Nozzle 10Mm (.0040"), River	11.00
36	30210-12	Nozzle 12Mm (.0047"), River	11.00
36	30210-14	Nozzle 14Mm (.0055"), River	11.00
36	30210-16	Nozzle 16Mm (.0063"), River	11.00
36	30210-18	Nozzle 18Mm (.0071"), River	11.00
36a	3010451	Rubber Nozzle	Call
37	30211	Nozzle Lock Ring	7.50
38	30567	Packing For Nozzle	1.70
039	10091-S	Complete Jet-Breaker	14.00
41	30214	Spring For Lever	4.50
42	30215	Stream Breaker Lever	9.30
042	10055	Complete Stream Breaker Lever	19.70
42a	30216	Grub Screw	1.00
43	30217	Screw For Lever	8.50
44	30218	Nut	3.50
45	30219	Grub Screw	1.70
46	30220	Screw	1.00
47	30221	Crown Screws 6x12	1.00
048	10398-S	Shaft Bearing	12.00
48a	30223	Washer	1.70
049	10087-S	Inversion Cotter Pin	10.90
50	30227	Cam	3.50
51	30228	Elastic Pin	0.50
52	30229	Screw	2.50
53	30230	Washer	0.50
54	30231	Grease Nipple	1.80
57	30232	Nut	0.50
58	30233	Grease Nipple	0.90
59	30234	Grease Nipple	4.50

# SKIPPER GEAR DRIVE SPRINKLERS

## SKIPPER (P-191)

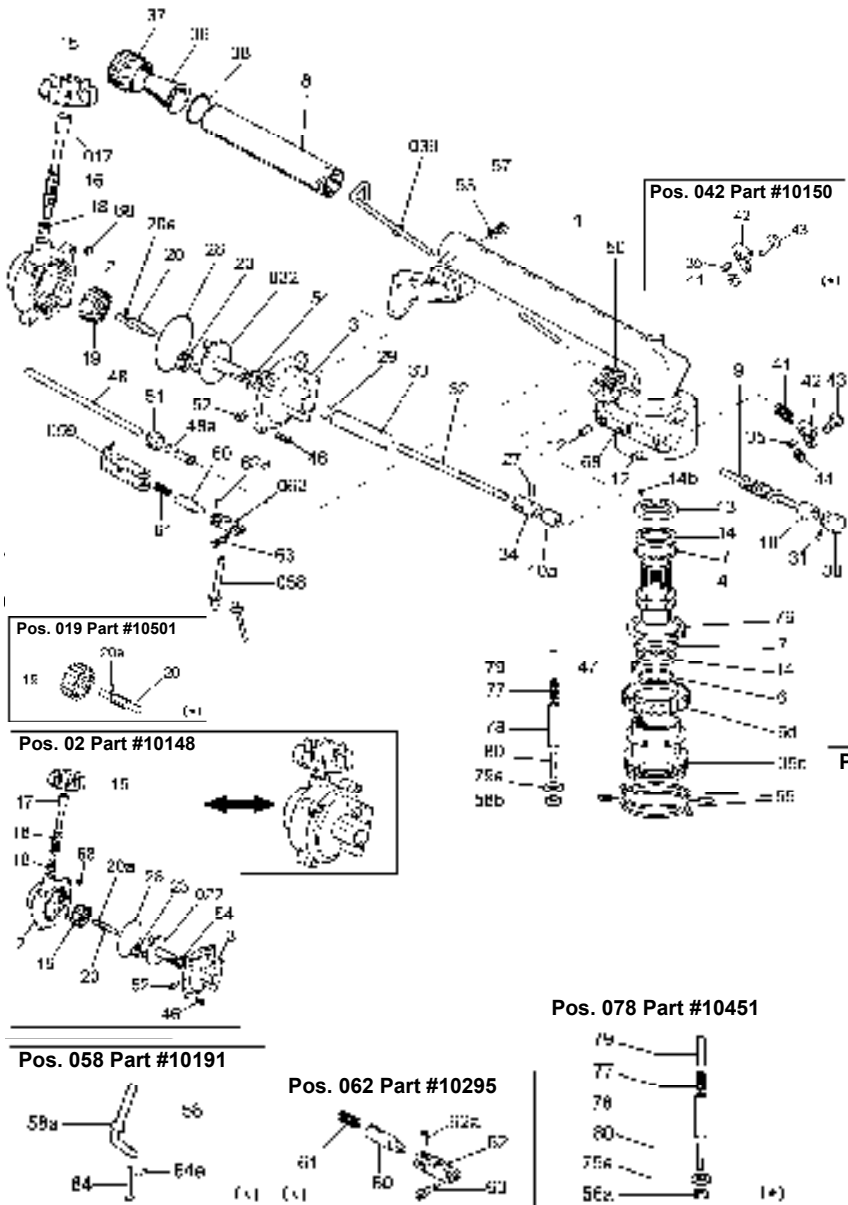
Description	Pattern	Part #	Weight	List
Skipper w/nozzle high speed	Part & Full	7-0303	9.4	<b>410.00</b>
Skipper Tool (to open gear box)		6-9582	-	<b>33.00</b>



- 1 1/2" FPT Base
- Includes 3 nozzles.
- 144' - 268' Diameter

Skipper 191 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
0.4	10	29	120	23
		37	132	26
		44	136	28
		56	150	33
0.47	12	29	144	42
		44	164	51
		56	184	59
0.55	14	29	156	51
		44	176	66
		56	196	76
0.63	16	29	170	68
		44	190	83
		56	208	96
0.71	18	29	182	54
		44	202	106
		56	222	124
		70	242	137
0.78	20	29	196	93
		44	216	106
		56	242	124
		70	268	163
0.86	22	44	236	161
		51	254	186
		56	274	209
0.94	24	44	248	167
		51	262	193
		56	282	215

Deduct 2% for 25 deg and 5% for 22 deg nozzles.



# SKIPPER GEAR DRIVE SPRINKLERS

**Skipper**

Pos #	Part #	Description	List Price
01	10402-S	Sprinkler Body	179.40
2	30737	Gearbox	40.30
02	10148-S	Complete Gearbox	279.90
02am	10170	Complete Head (Fast Rotation)	299.00
3	30738	Gearbox Cover	18.00
4	30739	Internal Body	50.00
05c	10473	Crown (New)	Call
5d	3010377	Ring Crown	45.00
5e-aus	3010489	Crown	Call
05e-aus	10461	Full Crown	Call
05n	10149-S	Complete Mounted Crown	Call
6	30743	U-Packing	10.00
7	30077	Sphere (Requires 22)	1.00
8	30178	Rectifier	12.90
9	30745	Body Endless Screw	40.00
10	30746	External Bearing	7.00
10a	30747	Internal Bearing	12.50
10b	30832	Bushing	7.00
11	30748	Pinion Bearing	5.00
12	30183	Grub Screw	1.70
13	20108	Threaded Ring For Crown	21.00
14	20109	Ball Bearing Ring	17.00
14b	30752	Grub Screw	1.00
15	30753	Propeller	23.60
15a	30831	Endless Screw	35.00
16	30628	Endless Screw	35.00
16a	30187	Grub Screw	1.70
017	10293	Bearing House	26.30
18	30190	Blind Bearing	13.20
19	3010533	Crown	Call
019	10501	Complete Pinion	Call
19a	30833	Crown	20.60
20	30755	Gearbox Pinion	12.00
20a	30193	Pin For Pinion	1.00
022	10255	Planetary Slow	30.30
022a	10256	Pad	23.00
23	30758	Slow Speed Gear	4.50
23a	30835	High Speed Gear	8.50
24	30836	High Speed Pinion	19.70
28	30613	O-Ring 2237	2.50
29	30678	O-Ring 121	1.00
30	30227	Cam	3.50
31	30228	Elastic Pin	0.50
32	20107	Shafting Bar	13.00
33	20162	Shafting Bar Cover	9.30
34	30185	Cap	8.00
35	30216	Grub Screw	1.00
36	30566-10	Nozzle, Standard 25°, 10mm (.0040")	12.00
36	30566-12	Nozzle, Standard 25°, 12mm (.0047")	12.00
36	30566-14	Nozzle, Standard 25°, 14mm (.0055")	12.00
36	30566-16	Nozzle, Standard 25°, 16mm (.0063")	12.00
36	30566-18	Nozzle, Standard 25°, 18mm (.0071")	12.00
36	30566-20	Nozzle, Standard 25°, 20mm (.0078")	12.00
36	30566-22	Nozzle, Standard 25°, 22mm (.0086")	12.00

Pos #	Part #	Description	List Price
36	30566-24	Nozzle, Standard 25°, 24mm (.0094")	12.00
36i	3010354-10	Nozzle, Flip 22°/28°, 10mm (.0040")	13.00
36i	3010354-12	Nozzle, Flip 22°/28°, 12mm (.0047")	13.00
36i	3010354-14	Nozzle, Flip 22°/28°, 14mm (.0055")	13.00
36i	3010354-16	Nozzle, Flip 22°/28°, 16mm (.0063")	13.00
36i	3010354-18	Nozzle, Flip 22°/28°, 18mm (.0071")	13.00
36i	3010354-20	Nozzle, Flip 22°/28°, 20mm (.0078")	13.00
36i	3010354-22	Nozzle, Flip 22°/28°, 22mm (.0086")	13.00
36i	3010354-24	Nozzle, Flip 22°/28°, 24mm (.0094")	13.00
36b	3010449	Nozzle	Call
37	30211	Nozzle Lock Ring	7.50
37a	3010443	Ring AU	Call
38	30567	Packing For Nozzle	1.70
039	10183-S	Jet-Breaker	25.00
41	30764	Jet-Breaker Ring	5.00
42	30765	Jet-Breaker Lever	8.80
042	10150	Complete Jet-Breaker Lever	28.00
43	30217	Screw For Lever	8.50
44	30218	Nut	3.50
46	30767	Screw	0.50
47	30768	Screw	0.50
48	20112	Secondary Pipe	27.00
48a	30734	O-Ring D.00 17,6 X 10 X 3,8	1.00
50	30770	Secondary Nozzle	19.80
51	30771	Ferrule	15.00
52	30578	Screw	1.70
53	30772	Washer	1.00
54	30773	Washer	2.50
55	30774	Inversion Ring	23.00
56	30837	Lever Protection	18.00
56a	30838	Sime Part	2.00
56b	30839	Nut M4	1.00
57	30511	Nut	1.70
058	10191-S	Central Shaft	27.80
059	10366	Inversion Fork	38.10
59a	30778	Pin For Fork	1.70
60	30779	Spring House	9.00
61	301093	Inversion Spring	4.50
062	10295	Complete Inversion Lever Clamp	75.00
62a	30782	Pin For Vice	4.50
63	30783	Screw	1.00
64a	30785	Spring For Bolt	1.70
65	30786	Bearing	3.10
66	30677	Du-Bearing For Gearbox	8.50
67	30189	Du Bearing	10.80
68	30233	Grease Nipple	0.90
75	30959	Washer D.00 5	1.70
76	3010378	Seeger	8.30
77	3010379	Spring	2.50
78	3010380	Spacer	2.80
078	10451	Complete Release	Call
79	3010381	Shafting Bar	4.10
79a	3010382	Washer	2.50
80	3010383	Prisoner	6.50

# MERCURY GEAR DRIVE SPRINKLERS



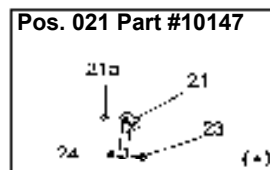
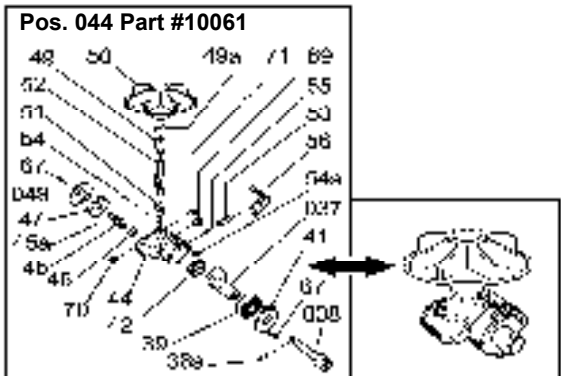
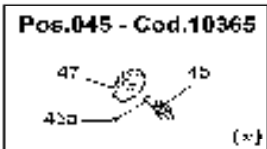
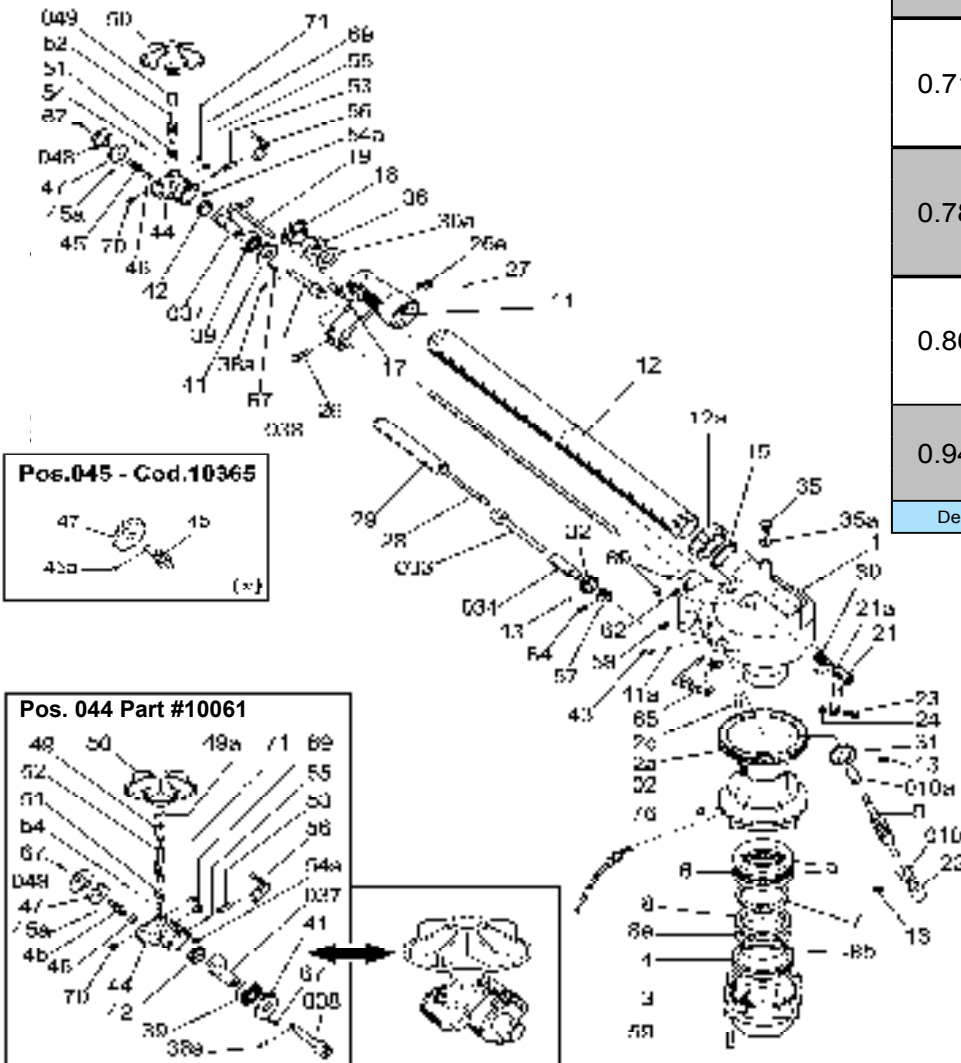
## MERCURY (P-202)

Description	Pattern	Part #	Weight	List
Mercury w/Nozzles	Part & Full	7-0304	15.1	670.00



- 2" FPT base
- Included 3 nozzles.
- 146' - 280' Diameter

Mercury 202 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
0.4	10	29	120	23
		37	132	26
		44	136	28
		56	150	33
0.47	12	29	144	42
		44	164	51
		56	184	59
		70	202	66
0.55	14	29	156	51
		44	176	66
		56	196	76
		70	216	86
0.63	16	29	170	68
		44	190	83
		56	208	96
		70	228	107
0.71	18	44	184	105
		56	200	119
		70	216	130
		85	250	170
0.78	20	44	208	142
		56	228	165
		70	250	180
		85	276	203
0.86	22	44	220	161
		56	238	186
		70	262	209
		85	280	228
0.94	24	44	248	167
		56	262	193
		70	282	215
		Deduct 2% for 25 deg and 5% for 22 deg nozzles.		



# MERCURY GEAR DRIVE SPRINKLERS

**Mercury**

Pos #	Part #	Description	List Price
1	30681	Sprinkler Body	262.50
02	10474-S	Crown Body	Call
2a	30683	Toothed Ring	89.00
2c	30221	Crown Screws 6x12	1.00
3	30684	Body Support	78.80
4	30685	U-Packing	10.00
5	30686	Ball Bearing Ring	28.00
6	30077	Sphere (Requires 30)	1.00
7	30687	Fastener Ring	8.00
8	30688	U-Packing Ring	23.00
8a	30689	External O-Ring	3.10
8b	30690	Internal O-Ring	2.60
9	30691	Endless Screw Body	61.30
9a	30080	Washer	2.00
010	10397	Threaded Bearing	18.00
010a	10395	Internal Bearing	12.00
11	30693	Pipe Head	76.50
12	20098	Principal Pipe	83.10
012	10377-S	Complete Principal Pipe	196.90
12a	30527	Ferrule For Pipe	29.70
13	30208	Elastic Pin	1.00
15	30588	O-Ring	3.50
17	30087	Secondary Nozzle	7.00
18	30211	Nozzle Lock Ring	7.50
19	20096	Jet Breaker Bar	43.70
021	10147	Stream Breaker Lever	56.90
21a	30091	Screw	1.00
22	30871	Camme	12.00
23	30093	Screw For Lever	10.00
24	30094	Nut For Lever	5.00
26	30229	Screw	2.50
26a	30232	Nut	0.50
27	30230	Washer	0.50
28	20097	Shafting Bar	8.90
29	20144	Shafting Bar Cover	8.90
30	30697	Spring For Lever	7.00
31	30098	Lateral Bevel Pinion	33.50
32	30099	Central Bevel Pinion	26.30
033	10083-S	Shaft	24.10
034	10401-S	Shaft Bearing	19.00
34a	30223	Washer	1.70
35	30102	Plug	6.20
35a	30103	Washer	0.50
36	30566-10	Nozzle, Standard 25°, 10mm (.40")	12.00
36	30566-12	Nozzle, Standard 25°, 12mm (.47")	12.00
36	30566-14	Nozzle, Standard 25°, 14mm (.55")	12.00
36	30566-16	Nozzle, Standard 25°, 16mm (.63")	12.00
36	30566-18	Nozzle, Standard 25°, 18mm (.71")	12.00
36	30566-20	Nozzle, Standard 25°, 20mm (.78")	12.00
36	30566-22	Nozzle, Standard 25°, 22mm (.86")	12.00
36	30566-24	Nozzle, Standard 25°, 24mm (.94")	12.00

Pos #	Part #	Description	List Price
36i	3010354-10	Nozzle, Flip 22°/28°, 10mm (.40")	13.00
36i	3010354-12	Nozzle, Flip 22°/28°, 12mm (.47")	13.00
36i	3010354-14	Nozzle, Flip 22°/28°, 14mm (.55")	13.00
36i	3010354-16	Nozzle, Flip 22°/28°, 16mm (.63")	13.00
36i	3010354-18	Nozzle, Flip 22°/28°, 18mm (.71")	13.00
36i	3010354-20	Nozzle, Flip 22°/28°, 20mm (.78")	13.00
36i	3010354-22	Nozzle, Flip 22°/28°, 22mm (.86")	13.00
36i	3010354-24	Nozzle, Flip 22°/28°, 24mm (.94")	13.00
36a	30567	Packing For Nozzle	1.70
36b	3010449	Nozzle	Call
037	10411	Gearbox Support	30.60
38	30106	Gearbox Shaft	17.50
038	10458	Pin Head	Call
38a	30196	Elastic Pin	1.00
39	30198	Ball Bearing	20.20
40	30677	Du-Bearing For Gearbox	8.50
41	30207	Cover	6.90
41a	30108	Plug	4.50
42	30109	Gearbox Gear	16.50
43	30160	Grub Screw	2.00
44	30169	Gearbox	40.30
044	10061	Complete Gearbox	319.30
044am	10168	America Head	338.00
45	30192	Gearbox Pinion	11.20
045	10365-S	Complete Pinion	35.00
45a	30193	Pin For Pinion	1.00
46	30182	Pinion Bearing	5.00
47	30191	Toothed Wheel	29.00
048	10378	Cover w/ Bearing	11.40
049	10293	Bearing House	26.30
49a	30189	Du Bearing	10.80
50	30112	Propeller	27.50
51	30190	Blind Bearing	13.20
52	30628	Endless Screw	35.00
53	30201	Spring House	5.10
54	30199	Screw	1.00
54a	30200	Nut	0.50
55	30113	Inversion Spring	2.00
56	30204	Cover	2.80
57	30184	Inversion Lever	9.90
58, 62	30118	Grub Screw	1.70
59	30559	Screw	1.80
60	30699	Ring	5.20
061	10087-S	Inversion Cotter Pin	10.90
64	30219	Grub Screw	1.70
65	30120	Inversion Lever Cover	7.00
67	30220	Screw	1.00
69	30233	Grease Nipple	0.90
70	30231	Grease Nipple	1.80
71	30187	Grub Screw	1.70
76	30234	Grease Nipple	4.50

# BIG RIVER GEAR DRIVE SPRINKLERS



## BIG RIVER (P-250)

Big River w/nozzle-Green

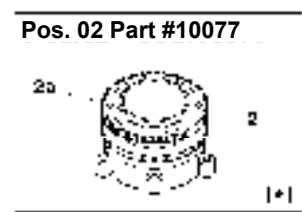
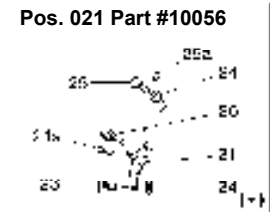
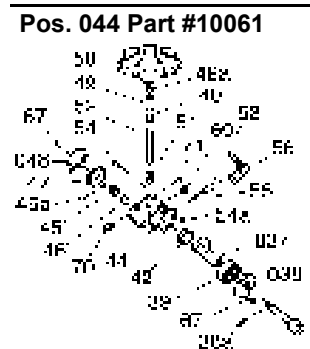
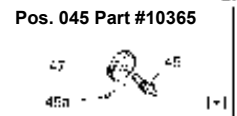
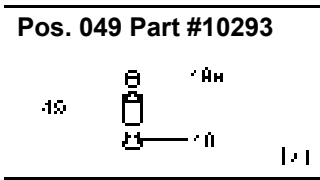
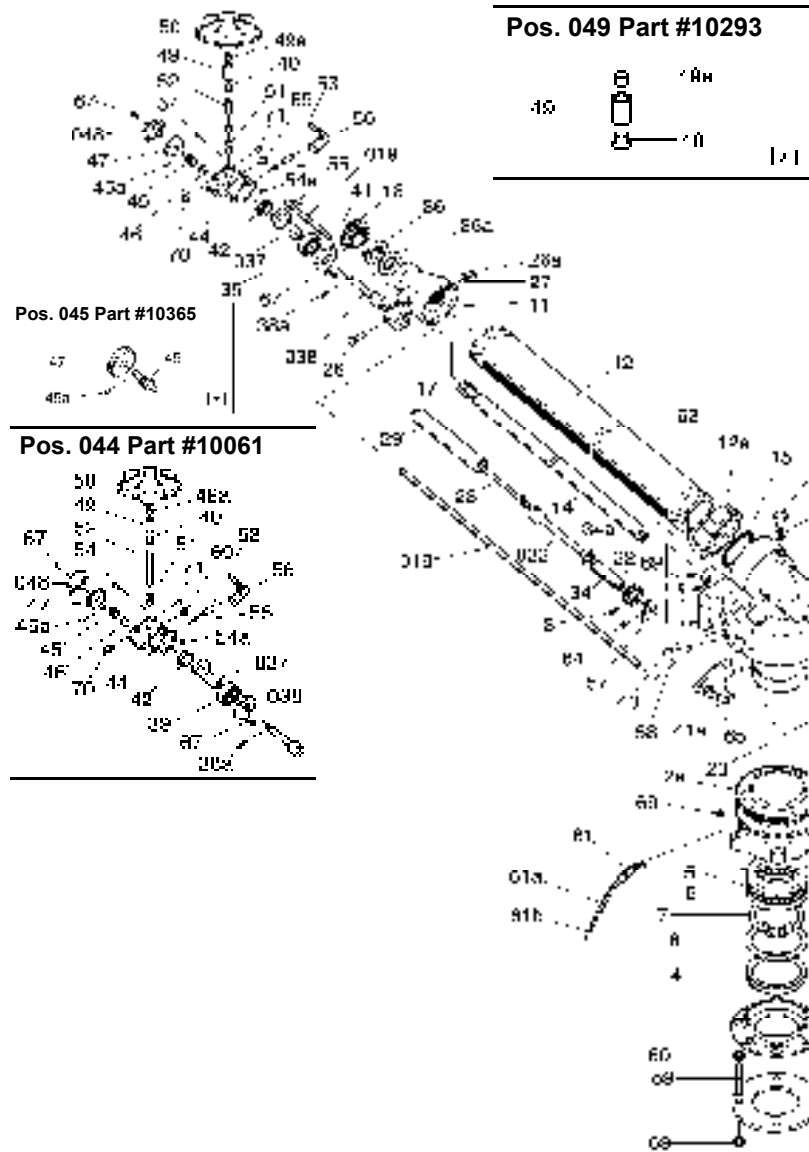
DISCONTINUED



72 & 116mm flange base (companion flange included.)  
238' - 354' Diameter

Big River 250 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
0.71	18	44	196	119
		56	214	139
		70	230	124
		85	250	170
0.78	20	44	238	137
		56	264	159
		70	282	178
		85	300	194
0.86	22	56	268	186
		66	282	197
		70	294	208
		85	314	228
0.94	24	56	282	217
		66	294	230
		70	308	243
		85	328	266
1	26	56	294	250
		70	314	380
		85	338	307
		100	346	330
1.1	28	56	302	286
		70	320	319
		85	340	350
		100	354	378

Deduct 2% for 25 deg and 5% for 22 deg nozzles.





# BIG RIVER GEAR DRIVE SPRINKLERS

**Big River**

Pos #	Part #	Description	List Price
1	30070	Sprinkler Body	382.70
02	10077-S	Crown	192.50
03	10080-S	Body Support	113.70
4	30075	U-Packing 90X76X8	14.00
5	30076	Ball Bearing Ring	35.00
6	30077	Sphere (Requires 43)	1.00
7	30078	Fastener Ring D. 78	10.00
8	30079	U-Packing Ring	10.00
9	30597	Worm Carter	64.00
9a	30080	Washer	2.00
010	10395	Internal Bearing	12.00
010	10394	Threaded Bearing	18.00
11	30083	Pipe Head	125.00
12	20022	Principal Pipe	105.00
012	10376	Complete Principal Pipe	258.10
12a	30084	Ferrule For Pipe	44.90
13	30208	Elastic Pin	1.00
14	20094	Secondary Pipe	30.00
15	30085	O-Ring For Pipe	3.50
16	30086	Elastic Pin	1.10
17	30125	Secondary Nozzle	7.50
18	30056	Nozzle Lock Ring	33.00
019	10090-S	Jet Breaker Bar	65.00
20	30181	Internal Body Bearing	5.80
021	10056	Stream Breaker Lever	67.80
21a	30091	Screw	1.00
22	30092	Camme	14.00
23	30093	Screw For Lever	10.00
24	30094	Nut For Lever	5.00
25	30095	Lever Upper Screw	10.00
25a	30096	Elastic Pin	0.50
26	30229	Screw	2.50
26a	30232	Nut	0.50
27	30230	Washer	0.50
28	20024	Shafting Bar	15.00
29	20025-S	Shafting Bar Cover	13.20
30	30059	Spring For Lever	7.00
31	30098	Lateral Bevel Pinion	33.50
32	30099	Central Bevel Pinion	26.30
033	10083-S	Shaft	24.10
034	10401-S	Shaft Bearing	19.00
34a	30223	Washer	1.70
35	30102	Plug	6.20
35a	30103	Washer	0.50
36	30063-18	Nozzle, Standard 25°, 18mm (.71")	12.00
36	30063-20	Nozzle, Standard 25°, 20mm (.78")	12.00
36	30063-22	Nozzle, Standard 25°, 22mm (.86")	12.00
36	30063-24	Nozzle, Standard 25°, 24mm (.94")	12.00
36	30063-26	Nozzle, Standard 25°, 26mm (1")	12.00
36	30063-28	Nozzle, Standard 25°, 28mm (1.10")	12.00
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	12.00

Pos #	Part #	Description	List Price
36i	3010448-18	Nozzle, Flip 22°/28°, 18mm (.71")	13.00
36i	3010448-20	Nozzle, Flip 22°/28°, 20mm (.78")	13.00
36i	3010448-22	Nozzle, Flip 22°/28°, 22mm (.86")	13.00
36i	3010448-24	Nozzle, Flip 22°/28°, 24mm (.94")	13.00
36i	3010448-26	Nozzle, Flip 22°/28° 26mm (1")	13.00
36i	3010448-28	Nozzle, Flip 22°/28°, 28mm (1.10")	13.00
36i	3010448-30	Nozzle, Flip 22°/28° 30mm (1.2")	13.00
36a	30064	Packing For Nozzle	2.50
36b	3010450	Rubber Nozzle	Call
037	10411	Gearbox Support	30.60
38	30106	Gearbox Shaft	17.50
038	10458	Pin Head	Call
38a	30196	Elastic Pin	1.00
39	30198	Ball Bearing	20.20
40	30677	Du-Bearing For Gearbox	8.50
41	30207	Cover	6.90
41a	30108	Plug	4.50
42	30109	Gearbox Gear	16.50
43	30110	Grub Screw	1.70
44	30169	Gearbox	40.30
044	10061	Complete Gearbox	319.30
044am	10168	America Head	338.00
45	30192	Gearbox Pinion	11.20
045	10365-S	Complete Pinion	35.00
45a	30193	Pin For Pinion	1.00
46	30182	Pinion Bearing	5.00
47	30191	Toothed Wheel	29.00
048	10378	Cover w/ Bearing	11.40
049	10293	Bearing House	26.30
49a	30189	Du Bearing	10.80
50	30112	Propeller	27.50
51	30190	Blind Bearing	13.20
52	30628	Endless Screw	35.00
53	30201	Spring House	5.10
54	30199	Screw	1.00
54a	30200	Nut	0.50
55	30113	Inversion Spring	2.00
56	30204	Cover	2.80
57	30184	Inversion Lever	9.90
58	30114	Grub Screw	1.70
59	30115	Stud Bolt	3.30
60	30116	Nut M 10X6	1.00
061	10087-S	Inversion Cotter Pin	10.90
62	30118	Grub Screw	1.70
63	30119	Body Support Packing	8.50
64	30219	Grub Screw	1.70
65	30120	Inversion Lever Cover	7.00
67	30220	Screw	1.00
68	30121	Nut M10X10	1.00
69, 76	30233	Grease Nipple	0.90
70	30231	Grease Nipple	1.80
71	30187	Grub Screw	1.70

# MARINER GEAR DRIVE SPRINKLERS

## MARINER (P-401)

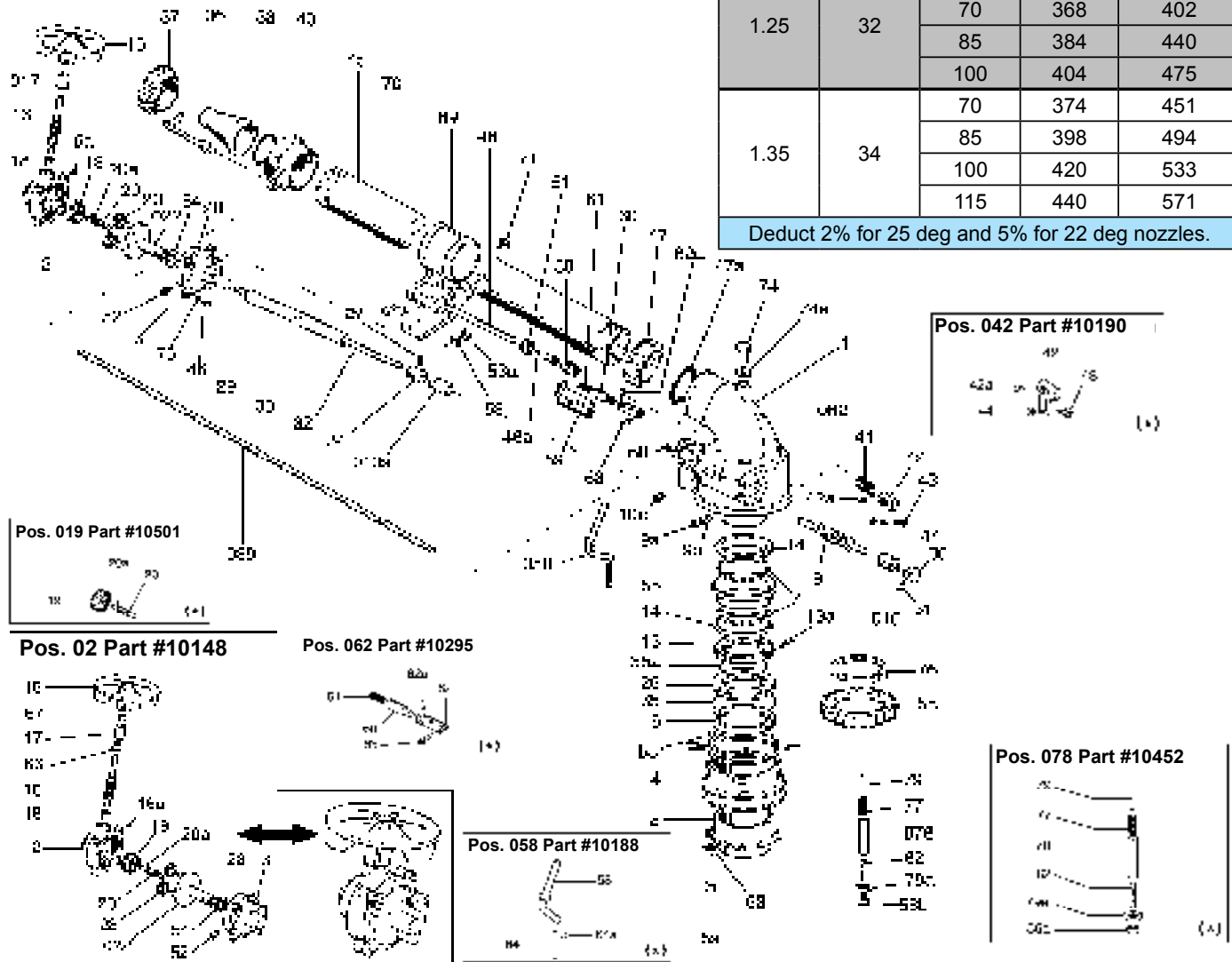
Description	Pattern	Part #	Weight	List
Mariner w/nozzle-Green high speed	Part & Full	7-0306	25.3	1,345.00



- 2 1/2" FPT base
- Includes 3 nozzles.
- 274' - 440' Diameter
- One Speed (Two speed also available.)

Mariner 401 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
1	26	44	274	173
		56	308	211
		70	336	244
		85	354	273
1.1	28	44	294	242
		56	320	280
		70	340	313
		85	362	343
1.2	30	56	382	319
		70	354	356
		85	374	390
		100	398	421
1.25	32	56	340	359
		70	368	402
		85	384	440
		100	404	475
1.35	34	70	374	451
		85	398	494
		100	420	533
		115	440	571

Deduct 2% for 25 deg and 5% for 22 deg nozzles.



# MARINER GEAR DRIVE SPRINKLERS

## Mariner

Pos #	Part #	Description	List Price
01	10403-S	Sprinkler Body	437.40
2	30737	Gearbox	40.30
02	10148-S	Complete Gearbox	279.90
02am	10170	Complete Head	299.00
3	30738	Gearbox Cover	18.00
4	30862	Body Support	102.80
5	30863	Crown	125.00
5a	30945	Screw	4.50
5b	3010385	Ring Body Support	52.00
5c	3010363	Ring	80.10
6	30864	U-Packing Crown	13.20
7	30048	Sphere (Requires 52)	1.00
8	30865	Threaded Body Support	95.80
9	30866	Endless Screw	70.70
9a	30160	Grub Screw	2.00
9b	30108	Plug	4.50
010	10394	Threaded Bearing	18.00
010a	10404-S	Internal Bearing	10.00
10b	30080	Washer	2.00
10c	30114	Grub Screw	1.70
11	30748	Pinion Bearing	5.00
13	30868	Threaded Ring For Crown	40.30
13a	301014	Screw	1.70
14	30869	Ball Bearing Ring	43.70
15	30753	Propeller	23.60
16	30628	Endless Screw	35.00
16a	30187	Grub Screw	1.70
017	10293	Bearing House	26.30
18	30190	Blind Bearing	13.20
19	3010533	Crown	Call
019	10501	Complete Pinion	Call
20	30755	Gearbox Pinion	12.00
20a	30193	Pin For Pinion	1.00
022	10255	Planetary Slow	30.30
23	30758	Slow Speed Gear	4.50
26	30870	O-Ring	23.00
28	30613	O-Ring 2237	2.50
29	30678	O-Ring 121	1.00
30	30695	Cam	12.00
31	30208	Elastic Pin	1.00
32	20142	Shafting Bar	13.00
33	20145	Principal Pipe	13.00
34	30185	Cap	8.00
35	30946	O-Ring 3300	6.00
35a	30947	O-Ring 3262	5.00
36	30063-26	Nozzle, Standard 25°, 26mm (1")	12.00
36	30063-28	Nozzle, Standard 25°, 28mm (1.10")	12.00
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	12.00
36	30063-32	Nozzle, Standard 25°, 32mm (1.25")	12.00
36	30063-34	Nozzle, Standard 25°, 34mm (1.35")	12.00
37	30056	Nozzle Lock Ring	33.00
38	30064	Packing For Nozzle	2.50
039	10189-S	Jet-Breaker	61.30
40	30874	Pipe-Head	66.00
41	3010444	Jet Breaker Spring Lever	9.50
042	10190	Jet-Breaker Lever	54.70
42a, 94	30091	Screw	1.00

Pos #	Part #	Description	List Price
43	30093	Screw For Lever	10.00
44	30094	Nut For Lever	5.00
45	20127	Principal Pipe	98.40
46	30767	Screw	0.50
47	30877	Locking Ring For Pipe	38.60
47a	30949	O-Ring 3225	2.50
48	20136	Tube	20.00
48a	30734	O-Ring D. 17,6 X 10 X 3,8	1.00
50	30878	Secondary Nozzle	21.60
51	30771	Ferrule	15.00
52	30578	Screw	1.70
53	30557	Washer Grower D. 6	1.00
53a	30511	Nut	1.70
54	30773	Washer	2.50
55	30879	Inversion Ring	23.30
56	30968	Cover For Lever	20.00
56a	30973	Screw 4X30	1.00
56b	30839	Nut M4	1.00
058	10188	Central Shaft	42.00
059	10366	Inversion Fork	38.10
59a	30778	Pin For Fork	1.70
60	30779	Spring House	9.00
61	301093	Inversion Spring	4.50
062	10295	Complete Inversion Lever Clamp	75.00
62a	30782	Pin For Vice	4.50
63	30783	Screw	1.00
64a	30785	Spring For Bolt	1.70
65	30880	Inversion Lever Bearing	3.50
66	30677	Du-Bearing For Gearbox	8.50
67	30189	Du Bearing	10.80
68	30233	Grease Nipple	0.90
69	30881	Support	83.00
70	30426	Screw 8X25	11.00
71	30475	Nut 8X6	1.00
72	30724	Grub Screw	1.50
73a	30086	Elastic Pin	1.10
74	30102	Plug	6.20
74a	30103	Washer	0.50
75	30959	Washer D. 5	1.70
76	30049	Fastener Ring	13.10
77	3010358	Spring	2.50
78	3010359	Spacer	3.50
078	10452-S	Full Release	Call
79	3010360	Shafting Bar	4.50
79a	3010361	Washer	1.70
80	3010233	Area	Call
81	3010335	Bracket	Call
82	3010362	Prisoner	6.90
083	10110	Nut	Call
86	30447	Ring	Call
87	3010232	Lever	Call
88	20185	Pin	Call
90	20259-S	Roll	Call
93	30902	Lever	Call
95	30513	Screw	Call
96	30904	Nut	Call
100	3010767	Bearing For Jet Breaker	Call
101	3010768	Bearing With Head for Jet Breaker	Call

Gun Stands/Sprinklers

# POLARIS GEAR DRIVE SPRINKLERS



## POLARIS (P-400)

Polaris

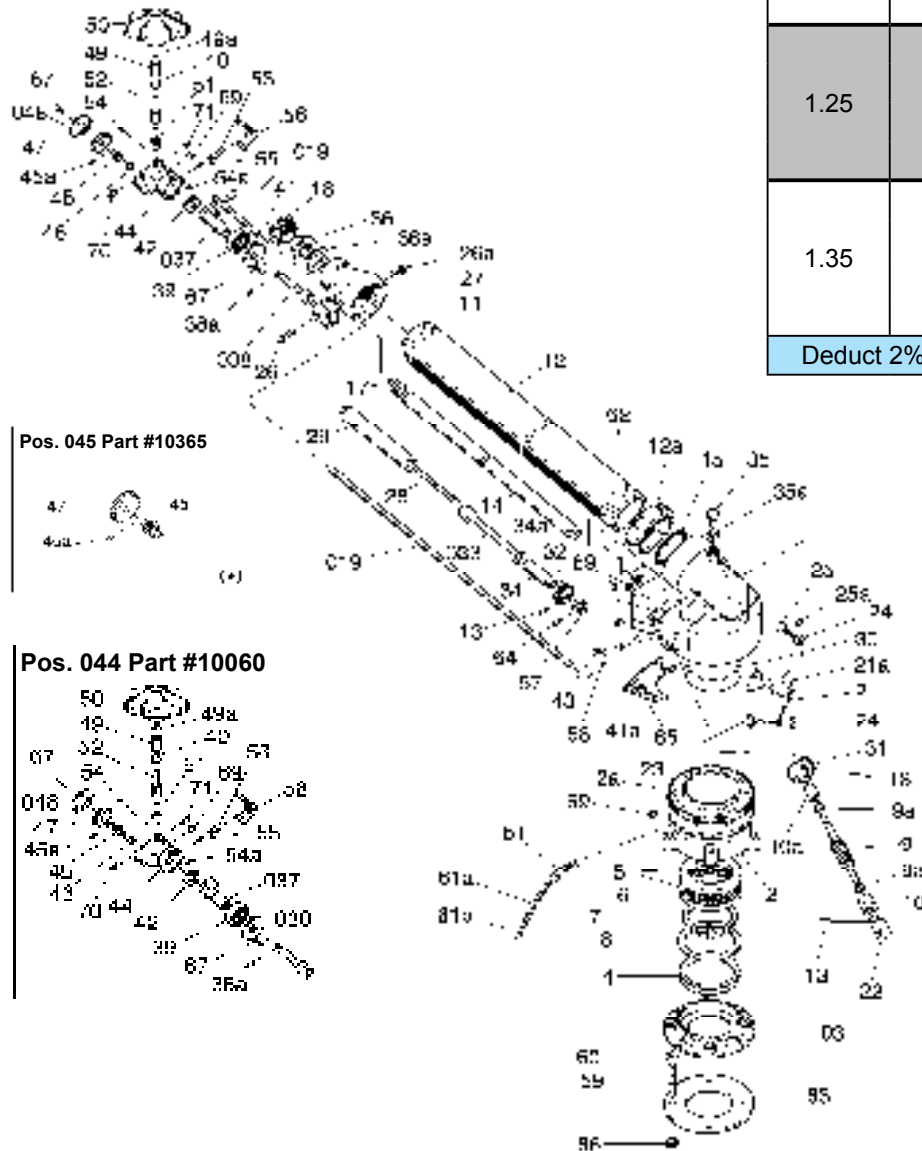
DISCONTINUED



90 & 150mm flange connection  
302' - 418' Diameter

Polaris 200 28 Degree				
Nozzle Diameter		Pressure	Diameter	Discharge
Inch	MM	PSI	Feet	GPM
1	26	56	302	263
		70	230	295
		85	340	323
		100	362	348
1.1	28	56	314	300
		70	328	324
		85	354	366
		100	380	395
1.2	30	56	320	338
		70	340	378
		85	368	414
		100	384	446
1.25	32	70	362	423
		85	380	464
		100	394	500
		115	404	536
1.35	34	70	374	472
		85	394	517
		100	404	558
		115	418	598

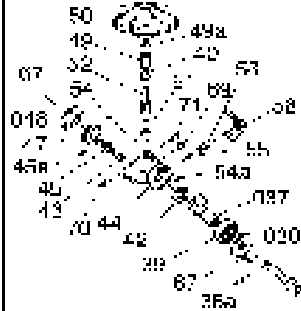
Deduct 2% for 25 deg and 5% for 22 deg nozzles.



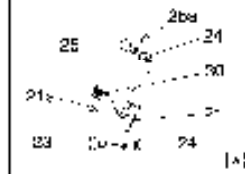
Pos. 045 Part #10365



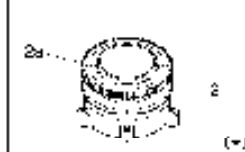
Pos. 044 Part #10060



Pos. 021 Part #10058



Pos. 02 Part #10076



# POLARIS GEAR DRIVE SPRINKLERS

**Polaris**

Pos #	Part #	Description	List Price
1	30041-S	Carter	289.00
02	10076	Crown	223.00
03	10079	Body Support	135.60
4	30046	U-Packing 117X98X11	17.00
5	30047	Ball Bearing Ring	50.00
6	30048	Sphere (Requires 36)	1.00
7	30049	Fastener Ring	13.10
8	30050	U-Packing Ring	10.00
9	30596	Endless Screw Body	84.00
9a	30080	Washer	2.00
010	10394	Threaded Bearing	18.00
010a	10396	Internal Bearing	16.00
11	30052	Pipe Head	140.00
12	20013	Principal Pipe	131.20
012	10375-S	Complete Principal Pipe	288.70
12a	30053	Threaded Ring For Pipe	59.10
13, 16	30208	Elastic Pin	1.00
14	20014	Secondary Pipe	35.00
15	30054	O-Ring	7.50
17	30125	Secondary Nozzle	7.50
18	30056	Nozzle Lock Ring	33.00
019	10089-S	Jet Breaker Bar	85.30
20	30057	Stream Breaker Bearing	4.40
021	10058	Stream Breaker Lever	67.80
21a	30091	Screw	1.00
22	30092	Camme	14.00
23	30093	Screw For Lever	10.00
24	30094	Nut For Lever	5.00
25	30095	Lever Upper Screw	10.00
25a	30096	Elastic Pin	0.50
26	30229	Screw	2.50
26a	30232	Nut	0.50
27	30230	Washer	0.50
28	20016	Shafting Bar	15.70
29	20017	Shafting Bar Cover	16.20
30	30059	Spring For Lever	7.00
31	30060	Lateral Bevel Pinion	39.80
32	30061	Central Bevel Pinion	29.10
033	10082	Shaft	29.00
034	10399	Shaft Bearing	21.90
34a	30223	Washer	1.70
35	30102	Plug	6.20
35a	30103	Washer	0.50
36	30063-26	Nozzle, Standard 25°, 26mm (1")	12.00
36	30063-28	Nozzle, Standard 25°, 28mm (1.10")	12.00
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	12.00

Pos #	Part #	Description	List Price
36	30063-32	Nozzle, Standard 25°, 32mm (1.25")	12.00
36	30063-34	Nozzle, Standard 25°, 34mm (1.35")	12.00
36a	30064	Packing For Nozzle	2.50
037	10411	Gearbox Support	30.60
38	30106	Gearbox Shaft	17.50
038	10458	Pin Head	Call
38a	30196	Elastic Pin	1.00
39	30198	Ball Bearing	20.20
40	30677	Du-Bearing For Gearbox	8.50
41	30207	Cover	6.90
41a	30108	Plug	4.50
42	30109	Gearbox Gear	16.50
43	30160	Grub Screw	2.00
44	30169	Gearbox	40.30
044	10060	Complete Gearbox	319.30
044am	10167	Gear	Call
45	30192	Gearbox Pinion	11.20
045	10365-S	Complete Pinion	35.00
45a	30193	Pin For Pinion	1.00
46	30182	Pinion Bearing	5.00
47	30191	Toothed Wheel	29.00
048	10378	Cover w/ Bearing	11.40
049	10293	Bearing House	26.30
49a	30189	Du Bearing	10.80
50	30112	Propeller	27.50
51	30190	Blind Bearing	13.20
52	30628	Endless Screw	35.00
53	30201	Spring House	5.10
54	30199	Screw	1.00
54a	30200	Nut	0.50
55	30066	Inversion Spring	2.10
56	30204	Cover	2.80
57	30184	Inversion Lever	9.90
58, 62	30118	Grub Screw	1.70
59	30115	Stud Bolt	3.30
60	30116	Nut M 10X6	1.00
061	10087-S	Inversion Cotter Pin	10.90
63	30068	Body Support Packing	14.00
64	30219	Grub Screw	1.70
65	30069	Inversion Lever Cover	7.60
67	30220	Screw	1.00
68	30121	Nut M10X10	1.00
69	30233	Grease Nipple	0.90
70	30231	Grease Nipple	1.80
71	30187	Grub Screw	1.70

# GEMINI GEAR DRIVE SPRINKLERS



## GEMINI (P-600 / P-1200)

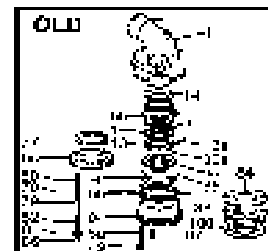
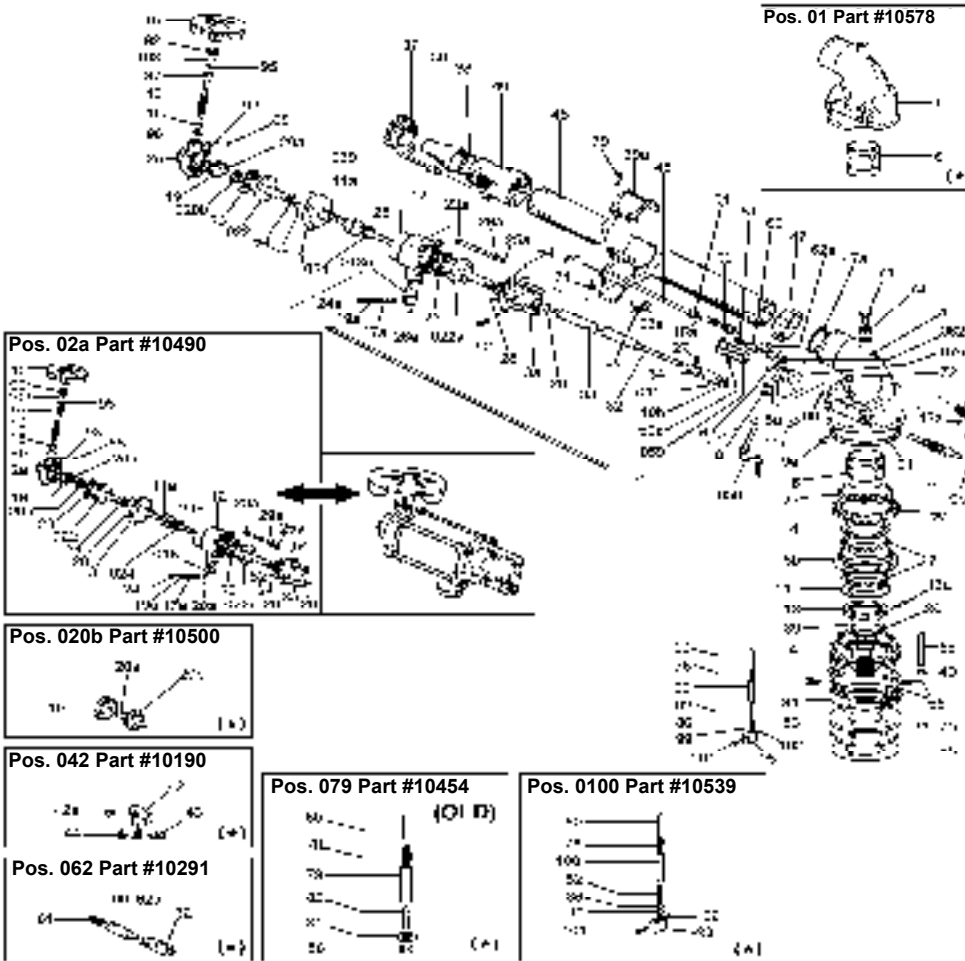
Description	Pattern	Part #	Weight	List
Gemini (2 speed high or low switch)	Part & Full	7-0307	34.7	1,365.00



- 100 x 142mm flange connection (companion flange included)
- Includes 3 nozzles.
- 368' - 510' Diameter

Gemini 1200 28 Degree				
Nozzle Diameter	Pressure	Diameter	Discharge	
Inch	MM	PSI	Feet	GPM
1.2	30	56	328	319
		70	354	356
		85	374	390
		100	398	421
1.25	32	70	368	424
		85	84	464
		100	404	500
		115	426	536
1.35	34	70	380	472
		85	398	518
		100	420	558
		115	440	598
1.42	36	70	398	525
		85	420	574
		100	440	620
		115	458	664
1.5	38	85	434	635
		100	458	685
		115	472	733
		128	492	777
1.57	40	85	446	698
		100	472	753
		115	488	806
		128	510	855
1.65	42	88	460	717
		95	480	761
		100	500	783
		110	524	809
1.72	44	88	470	700
		95	480	730
		100	490	750
		110	500	810
1.8	46	88	474	825
		95	484	855
		100	494	875
		110	504	905
1.87	48	88	480	910
		95	490	940
		100	500	960
		110	510	995
1.95	50	88	500	925
		95	520	955
		100	540	1075
		110	570	1110

Deduct 2% for 25 deg and 5% for 22 deg nozzles.







# GEMINI GEAR DRIVE SPRINKLERS

**Gemini**

Pos #	Part #	Description	List Price
1	3010760	Carte	Call
01	10578	Body	Call
2a	3010633	Head	Call
02a	10490	Complete Head	Call
3	301041	Gearbox Cover	24.00
3a	301042	Cover	26.30
4	3010761	Ring	Call
04	10390	Body Support	215.60
5	301045	Crown	301.80
5a	301046	Stud Bolt	10.00
5b	3010365	Ring	65.60
5c	3010366	Ring	66.00
6	20267	Body	Call
6-old	301047	U-Packing Crown	19.00
7	30048	Sphere (Requires 74)	1.00
8	301083	Screw 6X15 T.E.	1.70
8a	301084	Screw 6X15 T.C.E.I.	1.70
9	301048	Endless Screw	105.00
9a	30160	Grub Screw	2.00
9b	30108	Plug	4.50
010	10394	Threaded Bearing	18.00
010a	10404-S	Internal Bearing	10.00
10b	30080	Washer	2.00
10c	30118	Grub Screw	1.70
11	30748	Pinion Bearing	5.00
12	301050	Gearbox Central Body	76.60
13	3010762	Ring	Call
13a	301014	Screw	1.70
13-old	301052	Threaded Ring For Crown	72.80
14	301035	Spacer	Call
14a	3010763	Cover	Call
14-old	301053	Ball Bearing Ring	93.40
15	301054	Propeller	28.40
015br	10457	Propeller	Call
16	3010636	Screw	Call
16a	30187	Grub Screw	1.70
017	10293	Bearing House	26.30
17a	301055	Lever	16.00
17br	3010534	Bushing	Call
18	30031-S	Compass	7.50
018a	10294	Bush	50.00
19	30833	Crown	20.60
19a	30817	Spring	3.30
20	30836	High Speed Pinion	19.70
020b	10500	Pin	Call
20b	3010634	Pinion Pivot	Call
21a	301058	Pin	1.50
022	10285	Planetary	30.20
022a	10286	Second Planetary	106.10
23	30835	High Speed Gear	8.50
23a	301060	Stud Bolt	4.90
024	10287-S	Pinion	59.00
24a, 70	30965	Screw 6X30	3.30
25a, 86	30270	Nut	1.00
26	301063	O-Ring	55.00
28	30613	O-Ring 2237	2.50
28a	301064	O-Ring 123	1.00
29	30678	O-Ring 121	1.00
29a	30532	Washer Inox	1.00
30	30695	Cam	12.00
31, 73a	30208	Elastic Pin	1.00
32	20161	Shafting Bar	10.00
33	20156	Shafting Bar Cover	10.00
34	30185	Cap	8.00
35	301066	O-Ring	8.50
35a	301067	O-Ring	7.50
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	12.00
36	30063-32	Nozzle, Standard 25°, 32mm (1.25")	12.00
36	30063-34	Nozzle, Standard 25°, 34mm (1.35")	12.00
36	30063-36	Nozzle, Standard 25°, 36mm (1.42")	12.00
36	30063-38	Nozzle, Standard 25°, 38mm (1.50")	12.00
36	30063-40	Nozzle, Standard 25°, 40mm (1.57")	12.00
36	30063-42	Nozzle, Standard 25°, 42mm (1.65")	12.00
36	30063-44	Nozzle, Standard 25°, 44mm (1.72")	12.00
36	30063-46	Nozzle, Standard 25°, 46mm (1.80")	12.00
36	30063-48	Nozzle, Standard 25°, 48mm (1.87")	12.00
36	30063-50	Nozzle, Standard 25°, 50mm (1.95")	12.00

Pos #	Part #	Description	List Price
37	30056	Nozzle Lock Ring	33.00
38	30064	Packing For Nozzle	2.50
039	10288-S	Jet-Breaker	139.50
40	301068	Pipe-Head	83.10
41	3010444	Jet Breaker Spring Lever	9.50
042	10190	Jet-Breaker Lever	54.70
42a	30091	Screw	1.00
43	30093	Screw For Lever	10.00
44	30094	Nut For Lever	5.00
45	20158	Tube	74.00
47	30053	Threaded Ring For Pipe	59.10
47a	30054	O-Ring	7.50
48	20159	Secondary Pipe	32.30
48a	301069	O-Ring	1.70
49	30116	Nut M 10X6	1.00
50	301070	Secondary Nozzle	28.00
51	301071	Ferrule	16.50
52	30500	Screw 6X25	0.90
53	30557	Washer Grower D. 6	1.00
53a	30511	Nut	1.70
54	30773	Washer	2.50
55	301072	Inversion Ring	40.00
56	301073	Lever Protection	18.00
56a	301074	Sime Part	1.00
56b	30839	Nut M4	1.00
058	10188	Central Shaft	42.00
059	10290	Inversion Fork	41.60
59a	301077	Pin For Fork	1.70
60	301078	Spring House	16.50
61	301079	Inversion Spring	4.20
062	10291	Vice For Inversion Lever	48.10
62a	30782	Pin For Vice	4.50
63	30783	Screw	1.00
64	3010181	Gearbox Support	6.00
64a	30785	Spring For Bolt	1.70
66	30677	Du-Bearing For Gearbox	8.50
67	30189	Du Bearing	10.80
68	30233	Grease Nipple	0.90
69	3010646	Support	Call
69a	3010647	Clamp	Call
70-old	30521	Screw	1.80
71	3010648	Square Nuts	Call
71-old	30475	Nut 8X6	1.00
72	30724	Grub Screw	1.50
73	30057	Stream Breaker Bearing	4.40
74	30102	Plug	6.20
74a	30103	Washer	0.50
75	30121	Nut M10X10	1.00
076	10292	Levers Support	76.60
77	3010367	Seeger	15.10
78-old	301016	Spring	3.30
79-old	3010368	Spacer	3.30
079-old	10454	Disengagement	Call
80	3010369	Shafting Bar	4.40
81	3010370	Washer	1.70
82	3010855	Prisoner	Call
82-old	3010371	Prisoner	60.00
83	3010374	Flange	149.00
84	3010372	Gasket	10.00
85	3010772	Gasket	Call
85-old	3010373	Gasket	10.00
87	3010375	Screw 10X35	1.70
89	3010764	O-Ring	Call
89br	3010492	Bearing Cap	Call
90	3010765	O-Ring	Call
92	3010640	Ring	Call
93	30040-S	Grub Screwing	3.15
95	30030-S	Ring	12.00
96	3010613	Bearing	Call
97	30028-S	Bearing	26.00
98	3010653	Knob	Call
98-old, 103	3010570	O-Ring	Call
99	3010654	Nut	Call
0100	10539	Release	Call
101	3010428	Screw	Call
102	3010429	Nut	Call





















Gun Stands/Sprinklers

# Schumacher Irrigation is your source for hard to find irrigation parts and custom built irrigation fittings.



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# STEEL COUPLERS

## COUPLER (BLACK STEEL)



Size	Standard Punch				Deep Punch			Extra Deep Punch			Extra-Extra Deep		
	Part #	Depth	Weight	List	Part #	Depth	List	Part #	Depth	List	Part #	Depth	List
2"	6-0120		1.0	<b>14.00</b>									
3"	6-0121		1.0	<b>15.00</b>	9-5198	3"	<b>17.00</b>	9-5007	4"	<b>19.00</b>			
4"	6-0122	2-3/4"	1.5	<b>19.00</b>	9-5199	4-1/2"	<b>22.00</b>	9-5008	4-1/2"	<b>23.00</b>	9-5200	7"	<b>45.00</b>
5"	6-0123		2.0	<b>22.00</b>	9-5201	4"	<b>25.00</b>	9-5009	5"	<b>32.00</b>			
6"	6-0124	4-1/4"	2.8	<b>25.00</b>	9-5010	5-7/8"	<b>34.00</b>	9-5202	8-1/2"	<b>60.00</b>			
6-5/8"	6-0128		3.8	<b>39.00</b>									
7"	6-0118		3.5	<b>33.00</b>									
8"	6-0125	4"	4.5	<b>38.00</b>	9-5011	5-1/2"	<b>52.00</b>	9-5203	11"	<b>80.00</b>			
8-5/8"	6-0129		6.0	<b>50.00</b>									
10"	6-0126	3"	5.5	<b>47.00</b>	9-5012	6"	<b>63.00</b>						
12"	6-0127		9.0	<b>70.00</b>	9-5013	6"	<b>95.00</b>						

## COUPLER-10GA (BLACK OR GALV. STEEL)



Size	10ga Black Steel			10ga Galvanized		
	Part #	Weight	List	Part #	Weight	List
4" Rd Back	9-7548	2.3	<b>22.00</b>			
4" Squ Back	6-8030	3.0	<b>36.00</b>			
6"	6-9662	4.5	<b>39.00</b>	6-9664	4.5	<b>45.00</b>
8"	6-9663	5.9	<b>47.00</b>	6-9665	5.9	<b>59.00</b>
10"	9-5305	7.2	<b>47.00</b>	9-8110	7.8	<b>91.00</b>
12"	9-7549	12.0	<b>82.00</b>	9-8111	9.8	<b>85.00</b>

# STEEL COUPLERS/MALE ENDS

## MALE RL END (BLACK OR GALV. STEEL)



Size	12ga Black Steel			10ga Black Steel			10ga Galv Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
3"	6-0169	1.2	16.00						
4" Flat Ring	6-0170	1.5	18.00						
4" Wide Ring				6-8112	3.0	24.00			
5"	6-0171	2.0	25.00						
6"	6-0172	2.8	22.00	6-9764	4.2	34.00	6-9766	4.2	35.00
7"	6-0176	3.5	32.00						
8"	6-0173	4.5	33.00	6-9765	5.9	39.00	6-9767	5.9	42.00
10"	6-0174	5.5	47.00	9-5306	6.7	51.00	9-8145	7.5	57.00
12"	6-0175	9.0	68.00	9-7662	9.3	68.00	9-8146	9.3	78.00

## STAINLESS STEEL RL ENDS

(GALVANIZED STEEL)



Size	Stainless Steel Female			Stainless Steel Male End		
	Part #	Weight	List	Part #	Weight	List
4"	9-7518	1.5	88.00	9-7522	1.5	170.00
5"	9-7519	2.0	85.00	9-7523	2.0	179.00
6"	9-7520	2.8	97.00	9-7524	2.8	155.00
8"	9-7521	4.5	165.00	9-7525	4.5	132.00
10"	9-7891	5.5	192.00	9-8098	5.5	185.00
12"	9-8149	9.0	221.00	9-8218	9.0	356.00

## PRESS-ON RL COUPLER/MALE END

(GALVANIZED STEEL)



Size	Female RL			Male RL		
	Part #	Weight	List	Part #	Weight	List
3"	6-0223	2.0	25.00	6-0201	2.0	23.00
4"	6-0224	2.5	27.00	6-0202	2.5	25.00
5"	6-0225	3.5	34.00	6-0203	3.5	30.00
6"	6-0220	4.0	47.00	6-0210	4.0	32.00
7"	6-0226	5.5	49.00	6-0204	5.0	43.00
8"	6-0221	8.0	49.00	6-0211	7.0	46.00
10"	6-0222	10.5	71.00	6-0212	11.0	59.00
12"	6-0227	15.0	97.00	6-0205	14.0	76.00

Fittings

# CAST ALUMINUM COUPLERS

## COUPLER (CAST ALUMINUM)



Size	Part #	Weight	List
3"	6-0114	1.3	<b>28.00</b>
4"	6-0110	1.5	<b>32.00</b>
5"	6-0115	1.8	<b>40.00</b>
6"	6-0111	2.0	<b>55.00</b>
7"	6-0109	2.5	<b>60.00</b>
8"	6-0112	2.8	<b>82.00</b>
10"	6-0113	3.3	<b>90.00</b>

## RL COUPLER SET - SCHUMACHER (CAST ALUMINUM)



Size	Complete Set				Female RL			Male RL		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List	
4"	6-0145	4.4	<b>79.00</b>	6-0147	1.5	<b>32.00</b>	6-0149	1.2	<b>22.00</b>	
5"	6-0146	5.0	<b>95.00</b>	6-0148	1.8	<b>41.00</b>	6-0154	1.4	<b>28.00</b>	
6"	6-0130	5.3	<b>103.00</b>	6-0150	2.4	<b>44.00</b>	6-0160	1.8	<b>31.00</b>	
7"	6-0134	6.3	<b>124.00</b>	6-0153	2.5	<b>54.00</b>	6-0163	1.9	<b>37.00</b>	
8"	6-0131	7.0	<b>125.00</b>	6-0151	2.8	<b>56.00</b>	6-0161	2.0	<b>39.00</b>	
10"	6-0132	8.1	<b>157.00</b>	6-0152	3.5	<b>70.00</b>	6-0162	2.3	<b>49.00</b>	
12"	6-0133	10.0	<b>230.00</b>	4-0015	5.5	<b>108.00</b>	4-0016	3.5	<b>78.00</b>	

Set Includes Standard Ringlock Clamp

## RL COUPLER SET - A&M (CAST ALUMINUM)



Size	Complete Set				Female RL			Male RL		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List	
6"	6-0080	5.3	<b>108.00</b>	6-0089	2.4	<b>49.00</b>	6-0086	1.8	<b>34.00</b>	
8"	6-0081	7.0	<b>139.00</b>	6-0090	2.8	<b>62.00</b>	6-0087	2.0	<b>43.00</b>	
10"	6-0082	8.1	<b>135.00</b>	6-0091	3.5	<b>78.00</b>	6-0088	2.3	<b>29.00</b>	

Set Includes A&amp;M Ringlock Clamp

## TWIST LOCK ENDS (CAST ALUMINUM)



Size	Female				Male Ring			Full Male End		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List	
4"	6-0141	2.3	<b>45.00</b>	6-0136	0.5	<b>17.00</b>				
5"	6-0142	3.3	<b>47.00</b>	6-0137	0.9	<b>20.00</b>				
6"	6-0143	2.8	<b>67.00</b>	6-0138	1.0	<b>35.00</b>	6-0135	2.8	<b>67.00</b>	
8"	6-0144	7.0	<b>105.00</b>	6-0139	2.3	<b>40.00</b>				

\*200-lbs. max. pressure on all sizes except 8".



# LATERAL COUPLERS

## LATERAL COUPLER (CAST ALUMINUM)



Press-on				Weld-on		
Size	Part #	Weight	List	Part #	Weight	List
2"	6-0241	1.3	<b>41.00</b>	6-0260	1.2	<b>21.00</b>
3"	6-0242	1.6	<b>44.00</b>	6-0261	1.6	<b>22.00</b>
4"	6-0240	2.0	<b>57.00</b>	6-0262	2.0	<b>51.00</b>

All couplers have 1" outlet.

## KNOB STYLE COUPLER (CAST ALUMINUM)



Lateral				Mainline		
Size	Part #	Weight	List	Part #	Weight	List
2" Press-on*	6-0263	1.0	<b>43.00</b>			
3" Weld-on*	6-0264	1.2	<b>41.00</b>			
4" Weld-on*	6-0265	1.8	<b>50.00</b>			
5" Weld-on				6-0266	3.2	<b>58.00</b>
6" Weld-on				6-0267	3.9	<b>73.00</b>

\*Lateral couplers have 1" outlet.

## COUPLER/MALE ENDS - ABC (GALVANIZED STEEL)



Size	Female Lateral*			Female Mainline			Male		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	6-0180	1.5	<b>52.00</b>	6-0183	0.3	<b>38.00</b>	6-0189	0.5	<b>33.00</b>
3"	6-0181	3.3	<b>84.00</b>	6-0184	2.0	<b>66.00</b>	6-0190	1.3	<b>45.00</b>
4"	6-0182	5.5	<b>119.00</b>	6-0185	4.0	<b>91.00</b>	6-0191	2.0	<b>54.00</b>
5"				6-0186	7.3	<b>118.00</b>	6-0192	4.8	<b>93.00</b>
6"				6-0187	9.5	<b>162.00</b>	6-0193	6.3	<b>115.00</b>
8"				6-0188	15.5	<b>260.00</b>	6-0194	13.0	<b>215.00</b>

- \*Lateral couplers have 1" outlet.
- Includes Spring and Gasket
- Call for prices on ABC Fittings.

## LATERAL COUPLER SET - BOLT-ON (CAST ALUMINUM)



- Has 1" Female threaded outlet.
- Includes band and hook.

Size	Part #	Weight	List
2"	6-0300	1.9	<b>55.00</b>
3"	6-0301	2.8	<b>69.00</b>
4"	6-0302	3.7	<b>85.00</b>
5"	6-0303	4.8	<b>115.00</b>
6"	6-0304	6.3	<b>136.00</b>

# LATERAL COUPLERS

## DETACHABLE COUPLER SET - HOOK (CAST ALUMINUM)



Includes "2" band and hook assemblies

Size	Part #	Weight	List
2"	6-0095	3.0	<b>64.00</b>
3"	6-0096	4.3	<b>82.00</b>
4"	6-0097	5.2	<b>87.00</b>
5"	6-0098	7.6	<b>121.00</b>
6"	6-0099	8.8	<b>145.00</b>

## DETACHABLE COUPLER - KNOB (CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-9512	1.5	<b>59.00</b>
3"	6-9513	1.9	<b>79.00</b>
4"	6-9514	2.3	<b>96.00</b>
5"	6-9515	3.5	<b>122.00</b>
6"	6-9516	4.1	<b>163.00</b>
7"	6-9517	5.8	<b>177.00</b>

## SPIKE COUPLER (PVC-SOLVENT)



- 3/4" riser outlet
- Ideal for row crops, nurseries, or orchards
- Spike riser locks male & female coupler halves and stabilizes the riser in a vertical position
- Substantial savings over aluminum or buried solid set systems
- Improved weatherability PVC compounds
- Highest UV inhibitors.
- Highest impact resistance.
- Easy off season storage, simply remove spike riser.
- Non-corrosive aluminum tubing spike riser
- Quad seal prevents water leakage around spike.
- Slotted male end allows for up to 1-1/4" expansion and contraction of PVC pipe.
- Chevron seal gasket.

Size	Part #	Weight	List
2"	6-0305	1.5	<b>28.00</b>

## HOLD BAND (STEEL)



Size	Part #	Weight	List
3"	6-0235	0.3	<b>3.50</b>
4"	6-0236	0.3	<b>4.50</b>
5"	6-0237	0.4	<b>6.00</b>
6"	6-0230	0.5	<b>8.00</b>
8"	6-0231	0.8	<b>12.00</b>
10"	6-0232	0.9	<b>16.50</b>

## INDUSTRIAL GROOVE END



Size	Part #	Steel		Aluminum		
		Weight	List	Part #	Weight	List
2"	6-9721	0.8	<b>16.00</b>			
2-1/2"	6-9722	1.5	<b>28.00</b>			
3"	6-9723	1.0	<b>17.00</b>	6-9730	0.7	<b>20.00</b>
4"	6-9724	1.8	<b>23.00</b>	6-9731	1.1	<b>38.00</b>
5"	6-9725	2.3	<b>33.00</b>			
6"	6-9726	2.8	<b>35.00</b>	6-9732	1.9	<b>48.00</b>
8"	6-9727	4.3	<b>53.00</b>	6-9733	2.1	<b>62.00</b>
10"	6-9728	6.5	<b>75.00</b>	6-9734	2.4	<b>70.00</b>
12"	6-9729	8.5	<b>105.00</b>	6-9735	-	<b>90.00</b>

Galvanized Steel and Aluminum Groove Fittings Available. Please Inquire.

## INDUSTRIAL GROOVE CLAMP



\*Includes Gasket

Size	Part #	Weight	List
1-1/2"	9-6776	2.1	<b>8.00</b>
2"	6-9736	2.7	<b>17.00</b>
2-1/2"	6-9737	3.1	<b>20.00</b>
3"	6-9738	2.5	<b>16.00</b>
4"	6-9739	3.5	<b>20.00</b>
5"	6-9740	10.6	<b>57.00</b>
6"	6-9741	6.7	<b>34.00</b>
8"	6-9742	12.5	<b>61.00</b>
10"	6-9743	31.0	<b>159.00</b>
12"	6-9744	35.0	<b>145.00</b>

## INDUSTRIAL GROOVE GASKET



\*Cut-Away View

Size	Part #	Weight	List
1-1/2"	9-6777	-	<b>11.50</b>
2"	9-6767	-	<b>4.25</b>
2-1/2"	9-6768	-	<b>14.20</b>
3"	9-6769	-	<b>5.50</b>
4"	9-6770	-	<b>6.00</b>
5"	9-6771	-	<b>8.50</b>
6"	9-6772	-	<b>7.30</b>
8"	9-6773	-	<b>15.00</b>
10"	9-6774	-	<b>24.00</b>
12"	9-6775	-	<b>26.00</b>

## SADDLE COUPLING (CAST ALUMINUM)



Size	Part #	Weight	List
3/4"	6-0100	0.2	<b>8.00</b>
1"	4-0011	0.2	<b>9.00</b>

\*Weld-on

## BOLT-ON CENTER RISER (STEEL GALVANIZED)



Has 1" Female threaded outlet.

Size	Part #	Weight	List
3"	6-0255	3.0	<b>20.00</b>
4"	6-0256	4.0	<b>22.00</b>

## QUICK COUPLING RISER VALVE (CAST ALUMINUM)



Size	Part #	Weight	List
3/4" fpt x 3/4"	6-1579	0.7	<b>17.50</b>
1"mpt x 3/4"	6-1590	0.7	<b>17.50</b>
1"mpt x 1"	6-1591	0.8	<b>18.50</b>

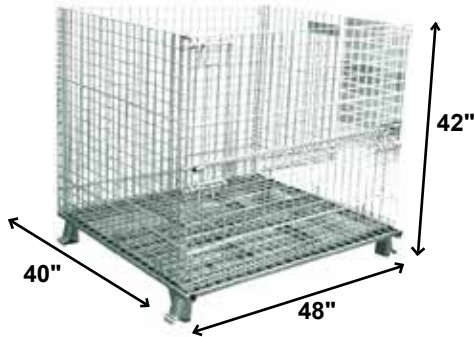
- 3/4" Top outlet require 1.05"ODx.113" wall SCH 40 pipe
- 1" Top outlet require 1.315"ODx.133" wall SCH 40 pipe

## SPRINKLER DEFLECTOR (STEEL)



Type	Part #	Weight	List
Bolts to riser	6-1524	1.4	<b>19.00</b>

## STORAGE BASKET (GALVANIZED STEEL)



Size	Part #	Weight	List
X-Large	9-7754	158.0	407.00

High-visibility parts storage for manufacturing and warehousing. Features reinforced under carriage and support legs, fully galvanized finish and collapsible, stackable design for efficient storage. Folds flat for space-saving storage, with front drop-gate for easy access.

### Features and Benefits:

- 48" Wide x 40" Deep x 42" Overall Height, Outside measurements.
- Rugged 2-gauge 2"x2" wire mesh with reinforced under-structure.
- Front Drop Gate with side latches for parts accessibility and identification.
- Stackable up to 4 baskets high.
- 4000lbs capacity.



# BALL & SOCKET COUPLERS (BAUER STYLE)

## BALL - BAUER STYLE



- 8" (194) steel will fit to 8" (203) cast aluminum.
- 4" (108) steel will not fit to 4" (102) cast aluminum.

Size	*Black Steel			Cast Aluminum			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	6-5000	0.3	<b>4.00</b>	6-5032	0.3	<b>19.00</b>	9-5326	0.3	<b>33.00</b>
3"	6-5001	0.5	<b>5.00</b>	6-5033	0.5	<b>31.00</b>	9-5327	0.7	<b>52.00</b>
3-1/2"	6-5002	0.8	<b>16.00</b>				9-5328	0.8	<b>55.00</b>
4"	6-5003	1.4	<b>11.00</b>	6-5034	1.2	<b>60.00</b>	9-5329	1.5	<b>102.00</b>
5"	6-5005	1.9	<b>13.50</b>	6-5035	1.7	<b>69.00</b>	9-5330	1.8	<b>105.00</b>
6"	6-5006	2.3	<b>17.50</b>	6-5036	2.2	<b>79.00</b>	9-5331	2.3	<b>160.00</b>
8"	6-5007	4.4	<b>34.00</b>	6-8042	3.2	<b>135.00</b>	9-5332	4.3	<b>267.00</b>
10"	9-6955	9.9	<b>41.00</b>	9-6956	6.2	<b>198.00</b>			
12"	9-5816	10.7	<b>103.00</b>						
16"	9-7879	26.0	<b>148.00</b>						

\*Galvanized also available.

## SOCKET - BAUER STYLE



Size	Black Steel			Cast Aluminum			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	6-5008	0.2	<b>5.00</b>	6-5038	0.3	<b>25.00</b>	9-5333	0.3	<b>38.00</b>
3"	6-5009	0.5	<b>10.00</b>	6-5039	0.7	<b>41.00</b>	9-5334	0.7	<b>69.00</b>
3-1/2"	6-5010	0.8	<b>23.00</b>				9-5335	0.9	<b>75.00</b>
4"	6-5011	1.5	<b>15.00</b>	6-5040	1.4	<b>69.00</b>	9-5336	1.5	<b>117.00</b>
5"	6-5013	2.2	<b>23.50</b>	6-5041	2.1	<b>102.00</b>	9-5337	2.0	<b>149.00</b>
6"	6-5014	2.5	<b>36.00</b>	6-5042	2.6	<b>114.00</b>	9-5338	2.3	<b>225.00</b>
8"	6-5015	5.2	<b>60.00</b>	6-8043	4.0	<b>162.00</b>	9-5339	4.3	<b>290.00</b>
10"	9-7304	8.3	<b>130.00</b>	9-7305	5.5	<b>209.70</b>			
12"	9-5817	13.4	<b>240.00</b>						
16"	9-7880	20.2	<b>243.00</b>						

## LEVER - BAUER STYLE

(GALVANIZED STEEL)



\*Locking Bar (part # 9-7318) for 10", 12 and 16" Sold Separately

Size	MM	Part #	Weight	List
2"	50	6-5024	1.0	<b>19.00</b>
3"	76	6-5025	2.3	<b>30.00</b>
3-1/2"	89	6-5026	3.8	<b>39.00</b>
4"	108	6-5027	4.3	<b>47.00</b>
5"	127/133	6-5029	6.2	<b>62.00</b>
6"	152/159	6-5030	9.0	<b>95.00</b>
8"	194/203	6-5031	13.3	<b>175.00</b>
*10"	250	9-6979	23.5	<b>335.60</b>
*12"	300	9-5818	34.0	<b>450.00</b>
*16"	400	9-7881	42.7	<b>462.00</b>

## LOCKING BAR

(GALVANIZED STEEL)



Size	Part #	Weight	List
10", 12", 16	9-7318	1.9	<b>35.00</b>



# BALL & SOCKET FITTINGS (BAUER STYLE)

## GASKET - BAUER STYLE (BAUER STYLE)



Size	MM	I.D.	Part #	Weight	List
2"	50	2.44"	6-5016	0.1	<b>1.10</b>
3"	76	3.48"	6-5017	0.1	<b>1.90</b>
3-1/2"	89	4.26"	6-5018	0.2	<b>7.00</b>
4"	108	5.20"	6-5019	0.2	<b>3.50</b>
5"	127/133	5.98"	6-5021	0.2	<b>6.70</b>
6"	152/159	6.69"	6-5022	0.5	<b>7.00</b>
8"	194	8.66"	6-5023	0.6	<b>11.50</b>
10"	250	--	9-6969	1.1	<b>15.00</b>
12"	300	--	9-5819	1.6	<b>29.00</b>
16"	400		9-7882	2.8	<b>18.00</b>

## WIL-LUBE



Size	Part #	List
1 oz.	9-8345	<b>1.00</b>
1 lbs.	9-8346	<b>7.00</b>

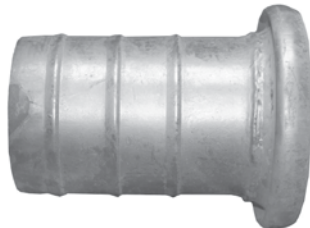
- When properly lubricated and aligned, couplings will no longer require the use of a cheater bar or wrench to close.
- Wil-lube is a vegetable-based lubricant that will not deteriorate specialty O-rings, such as Buna O-rings.
- Wil-lube can be used with any Ball & Socket style, Cam-lock, Pin-lug O-ring or gasket.
- Wil-lube increases labor efficiency by improving clamping times in system set-up and by reducing leaks and maintenance time.
- Wil-lube also decreases corrosion in permanent and semi-permanent systems where metal-on-metal contact points exist.

## HOSE ADAPTER - BALL BAUER STYLE



Size	Galvanized Steel			Cast Aluminum			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	3-0684	0.7	<b>33.00</b>				9-5340	0.7	<b>73.00</b>
3"	3-0685	1.3	<b>35.00</b>				9-5341	1.5	<b>105.00</b>
4"	3-0686	3.2	<b>50.00</b>				9-5342	3.1	<b>200.00</b>
5"	3-0688	4.2	<b>65.00</b>						
6"	3-0689	5.6	<b>95.00</b>	9-7885	4.8	<b>168.00</b>	9-5343	5.9	<b>238.00</b>
8"	3-0690	9.8	<b>100.00</b>	9-7886	7.3	<b>244.00</b>	9-5344	10.7	<b>448.00</b>
10"	9-6975	19.9	<b>179.00</b>	9-7887	12.2	<b>349.00</b>			
12"	9-7385	22.8	<b>232.00</b>						
16"	9-7883	30.0	<b>379.00</b>						

## HOSE ADAPTER - SOCKET BAUER STYLE



Size	Galvanized Steel			Cast Aluminum			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
2"	3-0691	0.6	<b>33.00</b>				9-5345	0.8	<b>80.00</b>
3"	3-0692	1.3	<b>35.00</b>				9-5346	1.5	<b>124.00</b>
4"	3-0693	3.3	<b>47.00</b>				9-5347	2.9	<b>244.00</b>
5"	3-0695	4.2	<b>65.00</b>						
6"	3-0696	5.8	<b>79.00</b>	9-7888	5.2	<b>204.00</b>	9-5348	6.6	<b>327.00</b>
8"	3-0697	10.6	<b>159.00</b>	9-7889	8.1	<b>279.00</b>	9-5349	12.0	<b>525.00</b>
10"	9-6977	19.9	<b>255.00</b>	9-7890	11.5	<b>361.00</b>			
12"	9-7386	25.5	<b>376.00</b>						
16"	9-7884	35.0	<b>192.00</b>						

# BALL & SOCKET FITTINGS (BAUER STYLE)

## 90° ELBOW - BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	6-9038	3.5	<b>82.00</b>
3"	76	6-9039	7.2	<b>131.00</b>
3-1/2"	89	6-9040	11.0	<b>189.00</b>
4"	108	6-9041	12.8	<b>194.00</b>
5"	133	6-9042	22.3	<b>225.00</b>
6"	159	6-9043	25.9	<b>304.00</b>
8"	194	6-9044	47.4	<b>420.00</b>
*10"	250	9-6963	61.3	<b>870.00</b>
*12"	300	9-7387	84.1	<b>1,236.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

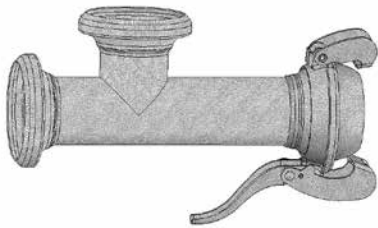
## 45° ELBOW - BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	6-9045	3.5	<b>73.00</b>
3"	76	6-9046	7.2	<b>131.00</b>
3-1/2"	89	6-9047	10.8	<b>190.00</b>
4"	108	6-9048	12.6	<b>195.00</b>
5"	133	6-9049	16.3	<b>237.00</b>
6"	159	6-9050	19.8	<b>280.00</b>
8"	194	6-9051	47.4	<b>380.00</b>
*10"	250	9-6961	53.9	<b>750.00</b>
*12"	300	9-7388	73.9	<b>1,096.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

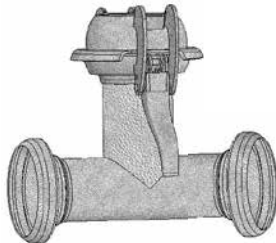
## LINE TEE - BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	6-9052	13.2	<b>229.00</b>
3"	76	6-9053	15.2	<b>245.00</b>
3-1/2"	89	6-9054	17.7	<b>297.00</b>
4"	108	6-9055	20.1	<b>292.00</b>
5"	133	6-9056	27.8	<b>319.00</b>
6"	159	6-9057	30.5	<b>419.00</b>
8"	194	6-9058	49.3	<b>624.00</b>
*10"	250	9-6980	104.0	<b>1,270.50</b>
*12"	300	9-7389	140.6	<b>1,830.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

## END TEE - BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	6-9059	13.2	<b>229.00</b>
3"	76	6-9060	15.2	<b>245.00</b>
3-1/2"	89	6-9061	17.7	<b>297.00</b>
4"	108	6-9062	20.1	<b>292.00</b>
5"	133	6-9063	27.8	<b>319.00</b>
6"	159	6-9064	30.5	<b>419.00</b>
8"	194	6-9065	49.3	<b>624.00</b>
*10"	250	9-6965	104.0	<b>1,270.50</b>
*12"	300	9-7390	140.6	<b>1,830.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

# BALL & SOCKET FITTINGS (BAUER STYLE)

## END PLUG - BAUER STYLE (GALVANIZED STEEL)



See page 104 for lever.

Size	MM	Part #	Weight	List
2"	50	6-9024	0.7	<b>52.00</b>
3"	76	6-9025	1.1	<b>53.00</b>
3-1/2"	89	6-9026	1.5	<b>68.00</b>
4"	108	6-9027	2.1	<b>53.00</b>
5"	133	6-9028	3.3	<b>75.00</b>
6"	159	6-9029	3.6	<b>78.00</b>
8"	194	6-9030	8.0	<b>108.00</b>
*10"	250	9-6964	14.2	<b>145.00</b>
*12"	300	9-7392	16.8	<b>215.00</b>

## ADAPTER - MPT X BALL BAUER STYLE (GALVANIZED STEEL)



Lever is included.

Size	MM	Part #	Weight	List
2"	50	6-9010	3.1	<b>101.00</b>
3"	76	6-9011	5.5	<b>124.00</b>
4"	108	6-9013	12.0	<b>174.00</b>
5"	133	6-9014	14.7	<b>213.00</b>
6"	159	6-9015	15.9	<b>279.00</b>
8"	194	6-9016	25.2	<b>442.00</b>
*10"	250	9-6949	54.0	<b>630.00</b>
*12"	300	9-7393	51.4	<b>912.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

## ADAPTER - MPT X SOCKET BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	6-9017	1.1	<b>38.00</b>
3"	76	6-9018	1.8	<b>50.00</b>
4"	108	6-9020	3.5	<b>69.00</b>
5"	133	6-9021	6.0	<b>101.00</b>
6"	159	6-9022	7.8	<b>127.00</b>
8"	194	6-9023	14.1	<b>204.00</b>
10"	250	9-6950	23.3	<b>360.00</b>
12"	300	9-7394	13.4	<b>505.00</b>

# BALL & SOCKET FITTINGS (BAUER STYLE)



## ADAPTER - FLG X BALL

### BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	9-8315	6.1	<b>109.00</b>
3"	76	9-8316	9.6	<b>120.00</b>
4"	108	9-8317	15.4	<b>164.00</b>
5"	133	9-8318	20.4	<b>191.00</b>
6"	159	9-8319	25.7	<b>246.00</b>
8"	194	9-8320	38.0	<b>383.00</b>
*10"	250	9-8321	61.3	<b>608.00</b>
*12"	300	9-8322	85.7	<b>811.00</b>
*16"	400	9-8323	126.9	<b>1,071.00</b>

\* Locking Bar (part # 9-7318) for 10" & 12" Lever is Sold Separately

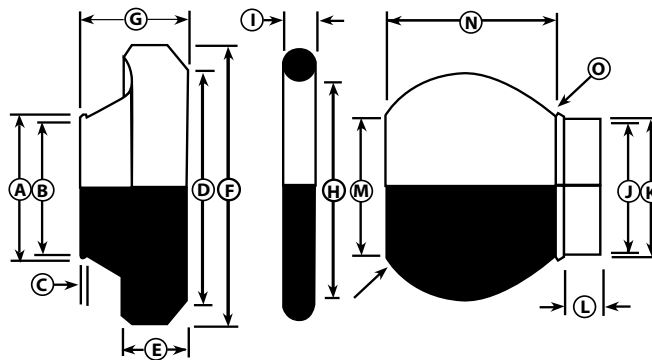
## ADAPTER - FLG X SOCKET

### BAUER STYLE (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
2"	50	9-8306	4.5	<b>89.00</b>
3"	76	9-8307	6.6	<b>89.00</b>
4"	108	9-8308	10.1	<b>110.00</b>
5"	133	9-8309	12.2	<b>127.00</b>
6"	159	9-8310	14.0	<b>145.00</b>
8"	194	9-8311	21.1	<b>195.00</b>
10"	250	9-8312	28.6	<b>268.00</b>
12"	300	9-8313	40.8	<b>440.00</b>
16"	400	9-8314	57.2	<b>579.00</b>

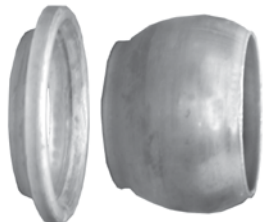
## BAUER STYLE DIMENSIONS (STEEL)



Size	MM	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2"	50	2.01	1.91	0.24	2.83	0.67	3.27	1.22	2.44	0.37	1.91	2.01	0.28	1.97	2.17	2.76
3"	76	3.07	2.99	0.28	3.86	0.87	4.57	1.46	3.48	0.51	2.99	3.07	0.55	3.19	2.87	3.86
3-1/2"	89	3.62	3.50	-	4.76	0.98	5.40	1.85	4.26	0.51	3.50	3.62	0.55	3.66	2.99	4.72
4"	108	4.37	4.25	0.47	5.79	1.10	6.50	2.32	5.20	0.59	4.25	4.37	0.59	4.41	4.21	5.71
5"	133	5.39	5.20	0.47	6.42	1.34	7.52	2.13	5.98	0.71	5.20	5.39	0.67	5.39	3.78	6.26
6"	159	6.42	6.22	0.59	7.17	1.34	8.31	2.05	6.69	0.75	6.22	6.42	0.75	6.10	4.06	7.09
8"	194	7.95	7.64	0.71	9.09	1.34	10.51	2.99	8.66	0.75	7.64	7.87	0.67	7.87	5.00	9.06
10"	250	9.84	9.53	0.39	11.93	-	13.62	4.13	-	-	9.25	9.53	-	9.92	6.73	11.81
12"	300	11.81	11.42	0.47	13.70	-	15.78	4.21	-	1.10	11.54	11.81	-	11.81	6.89	13.46
16"	400	15.80	15.37	.39	17.77		20.09	4.79			15.29	15.76		15.29	8.27	17.61

# BALL & SOCKET COUPLERS (100/200 STYLE)

## BALL/SOCKET 100/200 STYLE (BLACK STEEL)



Gasket is included with socket.

### Ball w/Loose Ring

Size	MM	Part #	Weight	List
4"	100	6-5044	1.8	<b>12.50</b>
6"	150	6-5045	4.6	<b>29.00</b>
8"	200	6-5050	10.8	<b>100.00</b>
10"	250	6-5051	17.8	<b>107.00</b>
12"	300	6-5052	30.1	<b>224.00</b>
16"	400	9-7555	64.1	<b>230.00</b>

### Socket w/Lever Attached

Size	MM	Part #	Weight	List
4"	100	6-5046	2.4	<b>25.00</b>
6"	150	6-5047	3.8	<b>43.00</b>
6" (3-Hook)	150	9-6947	5.0	<b>56.00</b>
8"	200	6-5053	9.8	<b>141.00</b>
8" (3-Hook)	200	9-7648	12.5	<b>125.00</b>
10"	250	6-5054	13.4	<b>115.00</b>
*12"	300	6-5055	30.3	<b>239.00</b>
**16"	400	9-7556	57.7	<b>230.00</b>

\* Galvanized Steel Locking Bar (part # 9-7877) for 12" Lever is Sold Separately.  
 \*\* Galvanized Steel Locking Bar (part # 9-7878) for 16" Lever is Sold Separately.

## LOCKING BAR 100/200 STYLE



### Locking Bar (Galvanized)

Size	MM	Dimension	Part #	Weight	List
12"	300	3/4"x13"	9-7877	5.0	<b>13.00</b>
16"	400	1"x14"	9-7878	10.0	<b>4.00</b>

## GASKET 100/200 STYLE



Size	MM	I.D.	Part #	Weight	List
4"	100	4.75"	6-5048	0.2	<b>2.00</b>
6"	150	6.97"	6-5049	0.5	<b>5.50</b>
8"	200	9.22"	6-5056	0.6	<b>10.00</b>
10"	250	11.07"	6-5057	1.1	<b>22.00</b>
12"	300	13.99"	6-5058	1.3	<b>23.00</b>
16"	400	--	9-7557	3.3	<b>90.00</b>

## WIL-LUBE



Size	Part #	List
1 oz.	9-8345	<b>1.00</b>
1 lbs.	9-8346	<b>7.00</b>

- When properly lubricated and aligned, couplings will no longer require the use of a cheater bar or wrench to close.
- Wil-lube is a vegetable-based lubricant that will not deteriorate specialty O-rings, such as Buna O-rings.
- Wil-lube can be used with any Ball & Socket style, Cam-lock, Pin-lug O-ring or gasket.
- Wil-lube increases labor efficiency by improving clamping times in system set-up and by reducing leaks and maintenance time.
- Wil-lube also decreases corrosion in permanent and semi-permanent systems where metal-on-metal contact points exist.

Fittings

**HOSE ADAPTER - BALL****100/200 STYLE**

(GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	6-9073	3.6	<b>57.00</b>
6"	150	6-9074	7.9	<b>87.00</b>
8"	200	6-9075	16.2	<b>170.00</b>
10"	250	6-9076	27.8	<b>252.00</b>
12"	300	6-9077	42.2	<b>345.00</b>
16"	400	9-7558	82.9	<b>450.00</b>

**HOSE ADAPTER - SOCKET****100/200 STYLE**

(GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	6-9078	4.2	<b>67.00</b>
6"	150	6-9079	7.1	<b>96.00</b>
8"	200	6-9080	15.2	<b>216.00</b>
10"	250	6-9081	23.4	<b>255.00</b>
*12"	300	6-9082	42.4	<b>415.00</b>
**16"	400	9-7559	76.5	<b>475.00</b>

\* Locking Bar (part # 9-7318) for 12" Lever is Sold Separately  
 \*\* Straight Bar for 16" Lever is included

**90° ELBOW****100/200 STYLE**

(GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	6-9083	9.9	<b>156.00</b>
6"	150	6-9084	20.5	<b>185.00</b>
8"	200	6-9085	34.8	<b>536.00</b>
10"	250	6-9086	50.8	<b>597.00</b>
12"	300	6-9087	86.5	<b>863.00</b>

**45° ELBOW****100/200 STYLE**

(GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	6-9088	9.7	<b>157.00</b>
6"	150	6-9089	14.4	<b>206.00</b>
8"	200	6-9090	31.4	<b>445.00</b>
10"	250	6-9091	43.4	<b>476.00</b>
12"	300	6-9092	76.3	<b>723.00</b>



# BALL & SOCKET FITTINGS (100/200 STYLE)

## ADAPTER - FLG X BALL

**100/200 STYLE**  
 (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	9-8330	11.2	<b>114.00</b>
6"	150	9-8331	17.3	<b>149.00</b>
8"	200	9-8332	28.2	<b>235.00</b>
10"	250	9-8333	40.0	<b>295.00</b>
12"	300	9-8334	59.9	<b>395.00</b>
16"	400	9-8335	104.2	<b>569.00</b>

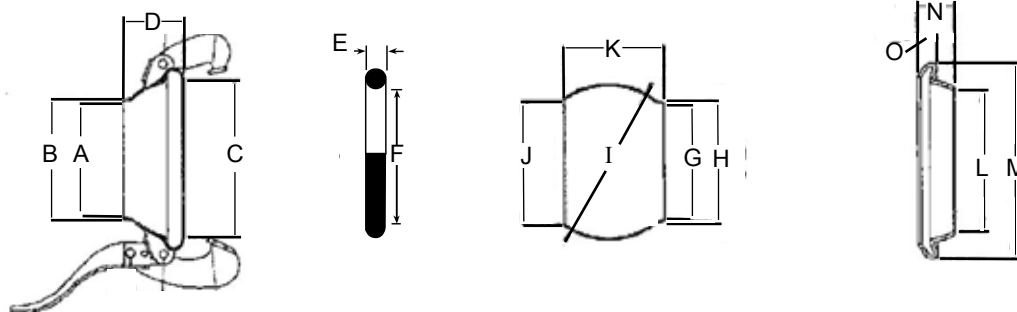
## ADAPTER - FLG X SOCKET

**100/200 STYLE**  
 (GALVANIZED STEEL)



Size	MM	Part #	Weight	List
4"	100	9-8324	14.0	<b>135.00</b>
6"	150	9-8325	19.9	<b>185.00</b>
8"	200	9-8326	34.9	<b>301.00</b>
10"	250	9-8327	41.3	<b>326.00</b>
12"	300	9-8328	71.4	<b>495.00</b>
16"	400	9-8329	116.0	<b>649.00</b>

## 100/200 STYLE DIMENSIONS



Size	MM	Socket				O Ring		Ball					Ring			
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
4"	100	3.62	3.78	5.16	2.36			3.66	3.78	5.08	3.98	3.51	4.65	6.30	1.18	0.51
6"	150	5.44	5.63	7.17	2.76	0.57	6.97	5.44	5.63	6.90	5.59	4.14	6.66	8.78	1.50	0.59
8"	200	7.25	7.56	9.69	3.62	0.73	9.22	7.33	7.60	9.53	7.45	5.75	8.67	11.43	1.85	1.06
10"	250	9.38	9.73	11.86	4.33	0.87	11.07	9.22	9.57	11.82	9.93	6.74	11.15	14.11	2.40	1.30
12"	300	11.36	12.21	14.66	4.93	0.93	13.99	11.66	12.02	14.58	11.98	8.35	13.36	17.57	2.76	1.69
16"	400	15.91						15.91								

## FEMALE THREAD X MALE CAM-LOC

(Cast Aluminum)

**"A"** Series

| ← w → |



Size	OD Width	Part #	Weight	List
1/2"	1.024"	9-5889	0.1	4.00
3/4"	1.375"	9-5890	0.1	4.50
1"	1.563"	9-5891	0.1	5.00
1-1/4"	1.938"	9-5892	0.2	7.00
1-1/2"	2.188"	9-5893	0.3	6.00
2"	2.625"	6-6918	0.4	7.00
2-1/2"	3.125"	6-6919	0.6	12.00
3"	3.719"	6-6920	0.7	13.00
4"	4.875"	6-6921	1.3	21.00
5"	5.906"	6-6922	1.6	42.00
6"	7.063"	6-6923	2.0	44.00
8"	9.125"	6-6897	10.9	178.00
10"	11.875"	9-7584	9.9	423.00

## FEMALE THREAD X FEMALE CAM-LOC

(Cast Aluminum)

**"D"** Series

| ← w → |



Size	ID Width	Part #	Weight	List
1/2"	1.024"	9-5904	0.2	10.00
3/4"	1.375"	9-5905	0.2	10.00
1"	1.563"	9-5906	0.4	12.00
1-1/4"	1.938"	9-5907	0.7	15.00
1-1/2"	2.188"	9-5908	0.8	14.00
2"	2.625"	6-6924	0.9	17.00
2-1/2"	3.125"	6-6925	1.2	25.00
3"	3.719"	6-6926	1.8	27.00
4"	4.875"	6-6927	2.8	40.00
5"	5.906"	6-6928	3.4	68.00
6"	7.063"	6-6929	5.1	76.00
8"	9.125"	6-9788	9.5	295.00
10"	11.875"	9-7585	12.5	672.00

## MALE THREAD X MALE CAM-LOC

(Cast Aluminum)

**"F"** Series

| ← w → |



Size	OD Width	Part #	Weight	List
1/2"	1.024"	9-5914	0.1	6.00
3/4"	1.375"	9-5915	0.2	6.00
1"	1.563"	9-5916	0.2	7.00
1-1/4"	1.938"	9-5917	0.3	9.00
1-1/2"	2.188"	9-5918	0.5	7.00
2"	2.625"	6-6930	0.7	9.00
2-1/2"	3.125"	6-6931	1.0	16.00
3"	3.719"	6-6932	1.3	18.00
4"	4.875"	6-6933	2.3	26.00
5"	5.906"	6-6934	2.9	50.00
6"	7.063"	6-6935	3.9	68.00
8"	9.125"	9-6959	7.9	197.00
10"	11.875"	9-7586	10.6	461.00

## MALE THREAD X FEMALE CAM-LOC

(Cast Aluminum)

**"B"** Series

| ← w → |



Size	ID Width	Part #	Weight	List
1/2"	1.024"	9-5894	0.2	8.50
3/4"	1.375"	9-5895	0.2	10.00
1"	1.563"	9-5896	0.4	12.00
1-1/4"	1.938"	9-5897	0.6	14.00
1-1/2"	2.188"	9-5898	0.7	14.00
2"	2.625"	6-6936	0.9	17.00
2-1/2"	3.125"	6-6937	1.0	23.00
3"	3.719"	6-6938	1.6	27.00
4"	4.875"	6-6939	2.4	36.00
5"	5.906"	6-6940	3.3	68.00
6"	7.063"	6-6941	5.0	79.00
8"	9.125"	9-7587	8.0	282.00
10"	11.875"	9-7588	12.1	676.00

## CAM-LOC FITTINGS

### Working Pressure:

Size	Max PSI
1/2" through 2"	250
2-1/2" through 4"	150
5" through 6"	75
8" through 12"	50

\*Note: Plastic, Stainless Steel, and Brass Cam-Loc Fittings available, please call.

\*Note: Cam-Loc fittings can also be used for fast & easy suction fittings.

\* Please note: 5" & 8" mfg. by different companies may not interchange.

## HOSE BARB X MALE

### CAM-LOC

(Cast Aluminum)

### "E"

Series

| ← w → |



Size	OD Width	Part #	Weight	List
1/2"	1.024"	9-5909	0.1	5.00
3/4"	1.375"	9-5910	0.1	5.00
1"	1.563"	9-5911	0.2	6.00
1-1/4"	1.938"	9-5912	0.3	8.00
1-1/2"	2.188"	9-5913	0.4	7.00
2"	2.625"	6-6900	0.6	8.00
2-1/2"	3.125"	6-6901	0.9	15.00
3"	3.719"	6-6902	1.3	17.00
4"	4.875"	6-6903	2.1	25.00
5"	5.906"	6-6914	3.6	57.00
6"	7.063"	6-6915	6.2	72.00
8"	9.125"	6-6899	10.0	235.00
10"	11.875"	9-7589	12.9	580.00

## HOSE BARB X FEMALE

### CAM-LOC

(Cast Aluminum)

### "C"

Series

| ← w → |



Size	ID Width	Part #	Weight	List
1/2"	1.024"	9-5899	0.2	19.00
3/4"	1.375"	9-5900	0.3	8.00
1"	1.563"	9-5901	0.4	10.00
1-1/4"	1.938"	9-5902	0.7	14.00
1-1/2"	2.188"	9-5903	0.7	13.00
2"	2.625"	6-6904	1.0	16.00
2-1/2"	3.125"	6-6905	1.3	23.00
3"	3.719"	6-6906	2.2	26.00
4"	4.875"	6-6907	3.2	39.00
5"	5.906"	6-6916	3.9	73.00
6"	7.063"	6-6917	7.7	96.00
8"	9.125"	6-6898	15.5	330.00
10"	11.875"	9-7590	16.7	851.00

## END CAP (DUST CAP)

### CAM-LOC

(Cast Aluminum)

### "DC"



| ← w → |

Size	ID Width	Part #	Weight	List
1/2"	1.024"	9-5919	0.2	8.00
3/4"	1.375"	9-5920	0.2	9.00
1"	1.563"	9-5921	0.3	10.00
1-1/4"	1.938"	9-5922	0.6	14.00
1-1/2"	2.188"	9-5923	0.6	12.00
2"	2.625"	9-5924	0.8	14.00
2-1/2"	3.125"	9-5925	1.0	13.00
3"	3.719"	9-5926	1.3	25.00
4"	4.875"	9-5927	2.3	29.00
5"	5.906"	9-5928	3.1	51.00
6"	7.063"	9-5929	4.7	73.00
8"	9.125"	9-6832	9.0	265.00
10"	11.875"	9-7592	12.5	592.00

## END PLUG (DUST PLUG)

### CAM-LOC

(Cast Aluminum)

### "DP"



| ← w → |

Size	OD Width	Part #	Weight	List
1/2"	1.024"	9-5930	0.1	4.00
3/4"	1.375"	9-5931	0.1	4.00
1"	1.563"	9-5932	0.1	5.00
1-1/4"	1.938"	9-5933	0.2	6.00
1-1/2"	2.188"	9-5934	0.3	5.00
2"	2.625"	9-5935	0.3	6.00
2-1/2"	3.125"	9-5936	0.5	12.00
3"	3.719"	9-5937	0.7	11.00
4"	4.875"	9-5938	1.2	18.00
5"	5.906"	9-5939	1.5	32.00
6"	7.063"	9-5940	2.5	40.00
8"	9.125"	9-7593	4.0	128.00
10"	11.875"	9-7594	5.4	302.00

## GASKET, CAM-LOC



Size	OD	ID	Part #	Weight	List
1/2"	1.024	0.669	9-6748	0.0	0.70
3/4"	1.375	0.875	9-6749	0.0	0.70
1"	1.563	1.063	9-6750	0.0	0.70
1-1/4"	1.938	1.359	9-6751	0.0	0.70
1-1/2"	2.188	1.625	9-6752	0.0	0.70
2"	2.625	2.000	6-6908	0.0	0.70
2-1/2"	3.125	2.375	6-6909	0.0	0.80
3"	3.719	3.000	6-6910	0.0	0.80
4"	4.875	4.000	6-6911	0.1	1.20
5"	5.906	4.875	6-6912	0.1	2.40
6"	7.063	6.000	6-6913	0.1	2.50
8"	9.125	8.000	9-5876	0.2	5.50
10"	11.875	9.875	9-7591	0.4	20.00

Fittings

**RINGLOCK ELBOW**  
 (GALVANIZED STEEL)


Size	45° Ringlock			90° Ringlock		
	Part #	Weight	List	Part #	Weight	List
3"	9-7395	4.8	<b>99.00</b>	9-7399	7.4	<b>135.00</b>
4"	9-7396	7.5	<b>112.00</b>	9-7400	12.0	<b>155.00</b>
5"	9-7397	9.6	<b>130.00</b>	9-7401	15.2	<b>160.00</b>
6"	6-0310	11.3	<b>145.00</b>	6-0320	25.1	<b>170.00</b>
8"	6-0311	15.9	<b>165.00</b>	6-0321	24.9	<b>210.00</b>
10"	6-0312	19.3	<b>195.00</b>	6-0322	30.6	<b>290.00</b>
12"	9-7398	31.6	<b>260.00</b>	9-7402	45.2	<b>320.00</b>

Ringlock clamp is not included.

**RINGLOCK ELBOW WITH  
 2" MALE THREAD**  
 (GALVANIZED STEEL)


Size	Part #	Weight	List
6"	9-8008	18.6	<b>203.00</b>
8"	9-8009	25.4	<b>243.00</b>
10"	9-8010	31.1	<b>323.00</b>

Ringlock clamp is not included.

**RINGLOCK 90° ELBOW  
 MALE X MALE**  
 (GALVANIZED STEEL)


Size	Part #	Weight	List
3"	9-7403	7.6	<b>135.00</b>
4"	9-7404	12.0	<b>155.00</b>
5"	9-7405	15.2	<b>160.00</b>
6"	9-5350	14.8	<b>170.00</b>
8"	9-5351	23.1	<b>210.00</b>
10"	9-5352	30.7	<b>290.00</b>
12"	9-7406	45.2	<b>320.00</b>

Ringlock clamp is not included.

**RINGLOCK ELBOW**  
 (CAST ALUMINUM)


Size	45° Ringlock			90° Ringlock		
	Part #	Weight	List	Part #	Weight	List
4"	9-7407	3.7	<b>128.00</b>	9-7410	4.4	<b>151.00</b>
5"	9-7408	4.7	<b>156.00</b>	9-7411	5.5	<b>183.00</b>
6"	6-0370	6.2	<b>195.00</b>	6-0380	8.2	<b>239.00</b>
8"	6-0371	8.3	<b>235.00</b>	6-0381	10.8	<b>285.00</b>
10"	6-0372	10.3	<b>295.00</b>	6-0382	15.3	<b>389.00</b>
12"	9-7409	14.5	<b>453.00</b>	9-7412	20.0	<b>598.00</b>

 Ringlock clamp is not included.

**TWIST LOCK ELBOW**  
 (CAST ALUMINUM)


Size	45° Twist Lock			90° Twist Lock		
	Part #	Weight	List	Part #	Weight	List
6"	6-0313	5.6	<b>245.00</b>	6-0314	6.1	<b>286.00</b>

Call for other twist-lock sizes

**HOOK STYLE ELBOW**  
 (CAST ALUMINUM)


Size	45° Hook Style			90° Hook Style		
	Part #	Weight	List	Part #	Weight	List
2"	6-0390	3.0	<b>98.00</b>	6-0395	3.0	<b>75.00</b>
3"	6-0391	4.0	<b>120.00</b>	6-0396	4.0	<b>97.00</b>
4"	6-0392	5.0	<b>148.00</b>	6-0397	5.0	<b>125.00</b>

**KNOB STYLE ELBOW**  
 (CAST ALUMINUM)


Size	45° Knob Style			90° Knob Style		
	Part #	Weight	List	Part #	Weight	List
2"	6-0403	2.1	<b>121.00</b>	6-0398	2.1	<b>88.00</b>
3"	6-0404	2.8	<b>145.00</b>	6-0399	2.8	<b>112.00</b>
4"	6-0405	4.1	<b>185.00</b>	6-0400	4.1	<b>151.00</b>
5"	6-0406	6.9	<b>248.00</b>	6-0401	6.9	<b>215.00</b>
6"	6-0407	9.1	<b>295.00</b>	6-0402	9.1	<b>263.00</b>

**PLAIN ELBOW**  
 (ALUMINUM)


Size	45° Alum. Plain			90° Alum. Plain		
	Part #	Weight	List	Part #	Weight	List
2"	6-0354	1.7	<b>85.00</b>	6-0364	2.0	<b>95.00</b>
3"	6-0355	1.8	<b>90.00</b>	6-0365	2.3	<b>105.00</b>
4"	6-0350	2.6	<b>100.00</b>	6-0360	2.8	<b>110.00</b>
5"	6-0356	3.2	<b>105.00</b>	6-0366	4.6	<b>125.00</b>
6"	6-0351	3.3	<b>135.00</b>	6-0361	4.5	<b>155.00</b>
8"	6-0352	4.6	<b>140.00</b>	6-0362	6.5	<b>165.00</b>
10"	6-0353	5.6	<b>160.00</b>	6-0363	8.0	<b>195.00</b>
12"	6-9001	-	<b>368.00</b>	6-8021	-	<b>375.00</b>

**SURFACE ELBOW**  
 (PVC)


Size	45° Surface PVC			90° Surface PVC		
	Part #	Weight	List	Part #	Weight	List
6"	6-0340	-	<b>110.00</b>	6-0344	-	<b>120.00</b>
8"	6-0341	-	<b>130.00</b>	6-0345	-	<b>155.00</b>
10"	6-0342	-	<b>165.00</b>	6-0346	-	<b>210.00</b>
12"	6-0343	-	<b>210.00</b>	6-0347	-	<b>270.00</b>



# FLANGED FITTINGS

## FLANGED ELBOW (GALVANIZED STEEL)



Flanged 45°				Flanged 90°		
Size	Part #	Weight	List	Part #	Weight	List
4"	9-7941	23.2	<b>185.00</b>	9-7415	27.7	<b>185.00</b>
6"	9-7942	32.2	<b>205.00</b>	9-5825	39.0	<b>295.00</b>
8"	9-7943	43.8	<b>238.00</b>	9-5826	52.8	<b>460.00</b>
10"	9-7944	55.8	<b>285.00</b>	9-5827	67.1	<b>550.00</b>
12"	9-7945	73.2	<b>365.00</b>	9-7416	86.8	<b>505.00</b>

• Also Available in Cast Aluminum or Stainless Steel, call for prices.

## FLANGE X RINGLOCK ELBOW (GALVANIZED STEEL)



Flange x MRL				Flange x FRL		
Size	Part #	Weight	List	Part #	Weight	List
6"	9-7993	32.5	<b>276.00</b>	9-7996	32.5	<b>276.00</b>
8"	9-7994	44.4	<b>310.00</b>	9-7997	44.4	<b>310.00</b>
10"	9-7995	56.0	<b>370.00</b>	9-7998	56.0	<b>370.00</b>

• Also Available in Cast Aluminum or Stainless Steel, call for prices.

## FLANGED TEE & CROSS (GALVANIZED STEEL)



Tee				Cross		
Size	Part #	Weight	List	Part #	Weight	List
4"	9-7423	32.6	<b>259.00</b>	9-8516	41.9	<b>382.00</b>
6"	9-5822	44.9	<b>350.00</b>	9-8517	57.6	<b>476.00</b>
8"	9-5823	61.2	<b>425.00</b>	9-8518	78.6	<b>565.00</b>
10"	9-5824	78.1	<b>510.00</b>	9-8519	100.3	<b>680.00</b>
12"	9-7424	103.0	<b>610.00</b>	9-8520	132.8	<b>748.00</b>

• Also Available in Cast Aluminum or Stainless Steel, call for prices.

## FLANGED SPOOL (GALVANIZED STEEL)



Size	Length	Part #	Weight	List
4" x 4"	12" Long	9-7946	18.7	<b>125.00</b>
6" x 4"	3.5" Long	9-7999	17.6	<b>110.00</b>
6" x 6"	12" Long	9-7947	25.4	<b>140.00</b>
8" x 6"	3.5" Long	9-8000	24.7	<b>135.00</b>
8" x 8"	16" Long	9-7948	34.8	<b>168.00</b>
10" x 8"	3.5" Long	9-8001	32.7	<b>166.00</b>
10" x 10"	20" Long	9-7949	44.5	<b>205.00</b>
12" x 10"	3.5" Long	9-8299	43.6	<b>265.00</b>
12" x 12"	12" Long	9-7950	59.6	<b>288.00</b>

- Also Available in Cast Aluminum or Stainless Steel, call for prices.

## FLANGE ADAPTERS (GALVANIZED STEEL)



Size	Flg x Female RL			Flg x Male RL		
	Part #	Weight	List	Part #	Weight	List
4"	9-6830	8.6	<b>65.00</b>	9-6831	8.6	<b>65.00</b>
6"	6-6450	12.1	<b>105.00</b>	6-6459	12.1	<b>105.00</b>
8"	6-6451	17.4	<b>130.00</b>	6-6549	17.4	<b>130.00</b>
10"	6-6449	22.1	<b>175.00</b>	6-6458	22.1	<b>175.00</b>
12"	6-6448	32.0	<b>240.00</b>	6-6457	32.0	<b>240.00</b>

- Also Available in Cast Aluminum or Stainless Steel, call for prices.

## FLANGE X FRL INCREASERS - REDUCERS (GALVANIZED STEEL)



	Size	Part #	Weight	List
<b>Increaser:</b>	6" Flange x 8" FRL	9-8002	16.3	<b>121.00</b>
	8" Flange x 10" FRL	9-8003	21.6	<b>160.00</b>
<b>Reducer:</b>	8" Flange x 6" FRL	9-8004	18.1	<b>125.00</b>
	10" Flange x 8" FRL	9-8005	24.3	<b>150.00</b>

- Flange x Male Ringlock adapters are also available.
- Also Available in Cast Aluminum or Stainless Steel, call for prices.

## RINGLOCK END TEE (GALVANIZED STEEL)


 Ringlock clamp is not included.

Size	Part #	Weight	List
3"	9-7417	9.0	160.00
4"	9-7418	13.6	175.00
5"	9-7419	17.0	202.00
6"	6-0410	19.6	190.00
8"	6-0411	27.1	250.00
10"	6-0412	33.3	370.00
12"	9-7420	52.0	568.00

## RINGLOCK END TEE (CAST ALUMINUM)


 Ringlock clamp is not included.

Size	Part #	Weight	List
4"	9-7421	6.2	259.00
5"	9-7422	7.5	300.00
6"	6-0430	9.6	290.00
8"	6-0431	13.4	350.00
10"	6-0432	17.3	470.00

## PLAIN END TEE (ALUMINUM)



Size	Part #	Weight	List
2"	6-0444	3.3	125.00
3"	6-0445	3.6	140.00
4"	6-0440	3.9	165.00
5"	6-0446	6.6	195.00
6"	6-0441	6.6	215.00
8"	6-0442	8.9	245.00
10"	6-0443	11.5	295.00
12"	6-8026	16.1	780.00

## PLAIN END TEE (SURFACE PVC)



Size	Part #	Weight	List
6"	6-0447	-	155.00
8"	6-0448	-	195.00
10"	6-0449	-	245.00
12"	6-0453	-	325.00

## HOOK STYLE END TEE (CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-0450	2.6	112.00
3"	6-0451	3.8	128.00
4"	6-0452	4.8	227.00

## TWIST LOCK END TEE (CAST ALUMINUM)



Size	Part #	Weight	List
6"	6-0316	9.1	325.00

## KNOB STYLE END TEE (ALUMINUM)



Size	Part #	Weight	List
2"	6-0460	2.6	141.00
3"	6-0461	3.5	155.00
4"	6-0462	6.4	175.00
*5"	6-0463	7.3	247.00
*6"	6-0464	8.8	319.00

\* Fabricated Aluminum.

# LINE TEES & Y TEES

## RINGLOCK LINE TEE (GALVANIZED STEEL)



Size	Part #	Weight	List
3"	9-7426	9.0	<b>160.00</b>
4"	9-7427	13.6	<b>175.00</b>
5"	9-7428	17.0	<b>202.00</b>
6"	6-0610	19.6	<b>190.00</b>
8"	6-0611	27.1	<b>250.00</b>
10"	6-0612	33.3	<b>370.00</b>
12"	9-7429	52.0	<b>568.00</b>

## RINGLOCK LINE TEE (CAST ALUMINUM)



Size	Part #	Weight	List
4"	9-7430	6.2	<b>259.00</b>
5"	9-7431	7.5	<b>300.00</b>
6"	6-0630	9.6	<b>290.00</b>
8"	6-0631	13.4	<b>350.00</b>
10"	6-0632	17.3	<b>470.00</b>

## PLAIN LINE TEE (ALUMINUM)



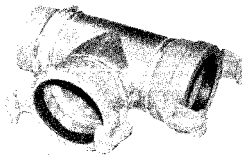
Size	Part #	Weight	List
2"	6-0644	3.3	<b>125.00</b>
3"	6-0645	3.6	<b>140.00</b>
4"	6-0640	3.9	<b>165.00</b>
5"	6-0646	6.6	<b>195.00</b>
6"	6-0641	6.6	<b>215.00</b>
8"	6-0642	8.9	<b>245.00</b>
10"	6-0643	11.5	<b>295.00</b>
12"	6-8025	16.1	<b>780.00</b>

## PLAIN LINE TEE (SURFACE PVC)



Size	Part #	Weight	List
6"	6-0647	-	<b>155.00</b>
8"	6-0648	-	<b>195.00</b>
10"	6-0649	-	<b>245.00</b>
12"	6-0653	-	<b>325.00</b>

## TWIST LOCK LINE TEE (CAST ALUMINUM)



Size	Part #	Weight	List
6"	6-0317	9.1	<b>325.00</b>

## HOOK STYLE LINE TEE (CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-0650	4.0	<b>123.00</b>
3"	6-0651	5.0	<b>150.00</b>
4"	6-0652	7.0	<b>199.00</b>

## KNOB STYLE LINE TEE

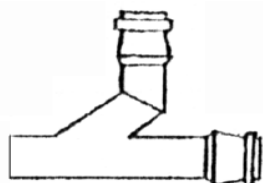
(CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-0660	2.8	<b>140.00</b>
3"	6-0661	3.8	<b>163.00</b>
4"	6-0662	5.0	<b>188.00</b>
5"	6-0663	11.9	<b>266.00</b>
6"	6-0664	14.0	<b>331.00</b>

## PLAIN LINE Y TEE

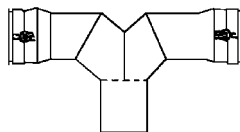
(ALUMINUM)



Size	Part #	Weight	List
6"	6-0550	-	<b>160.00</b>
8"	6-0551	-	<b>182.00</b>
10"	6-0552	-	<b>205.00</b>

## PLAIN Y TEE

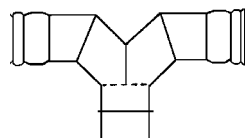
(ALUMINUM)



Size	Part #	Weight	List
6"	6-0540	7.2	<b>270.00</b>
8"	6-0541	9.6	<b>310.00</b>
10"	6-0542	12.5	<b>379.00</b>
12"	6-8027	-	<b>706.00</b>

## RINGLOCK Y TEE

(GALVANIZED STEEL)



Size	Part #	Weight	List
6"	6-0510	24.7	<b>410.00</b>
8"	6-0511	33.8	<b>430.00</b>
10"	6-0512	41.8	<b>465.00</b>

## RINGLOCK Y TEE

(ALUMINUM)



Size	Part #	Weight	List
6"	6-0530	7.7	<b>319.00</b>
8"	6-0531	10.5	<b>329.00</b>
10"	6-0532	13.5	<b>409.00</b>

# REDUCERS

## PLAIN REDUCER (ALUMINUM)



Size	Part #	Weight	List
3" x 2"	6-0614	1.8	<b>85.00</b>
4" x 3"	6-0615	2.0	<b>85.00</b>
5" x 4"	8-1428	3.7	<b>159.00</b>
6" x 4"	6-0710	2.8	<b>95.00</b>
8" x 4"	6-0713	7.2	<b>170.00</b>
8" x 6"	6-0711	3.9	<b>105.00</b>
10" x 8"	6-0712	5.1	<b>115.00</b>
12" x 10"	6-9002	-	<b>344.00</b>

## RINGLOCK REDUCER (GALVANIZED STEEL)



Size	Part #	Weight	List
6" x 4"	6-0730	6.4	<b>110.00</b>
8" x 4"	6-0733	9.6	<b>200.00</b>
8" x 6"	6-0731	9.3	<b>135.00</b>
10" x 8"	6-0732	12.7	<b>160.00</b>

## HOOK STYLE REDUCER (CAST ALUMINUM)



Size	Part #	Weight	List
3" x 2"	6-0720	2.0	<b>78.00</b>
4" x 3"	6-0721	3.0	<b>82.00</b>

## KNOB STYLE REDUCER (CAST ALUMINUM)



Size	Part #	Weight	List
3" x 2"	6-0717	1.6	<b>125.00</b>
4" x 3"	6-0718	2.3	<b>154.00</b>
5" x 4"	6-0719	2.8	<b>188.00</b>
6" x 4"	6-0709	4.8	<b>205.00</b>



## SURFACE REDUCER (PVC)



Size	Part #	Weight	List
8" x 6"	6-0714	-	<b>86.00</b>
10" x 8"	6-0715	-	<b>105.00</b>
12" x 10"	6-0716	-	<b>127.00</b>

## PLAIN INCREASER (ALUMINUM)



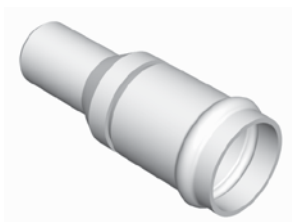
Size	Part #	Weight	List
4" x 6"	6-0740	4.8	<b>115.00</b>
6" x 8"	6-0741	6.3	<b>135.00</b>
8" x 10"	6-0742	9.1	<b>170.00</b>
10" x 12"	6-9003	-	<b>374.00</b>

## RINGLOCK INCREASER (GALVANIZED STEEL)



Size	Part #	Weight	List
6" x 8"	6-0760	11.3	<b>135.00</b>
8" x 10"	6-0761	14.3	<b>160.00</b>

## SURFACE INCREASER (PVC)



Size	Part #	Weight	List
6" x 8"	6-0743	-	<b>86.00</b>
8" x 10"	6-0744	-	<b>105.00</b>
10" x 12"	6-0745	-	<b>127.00</b>

# END PLUGS

## PLAIN END PLUG (ALUMINUM)



Size	Part #	Weight	List
4"	6-0810	1.4	<b>65.00</b>
5"	6-0814	2.4	<b>80.00</b>
6"	6-0811	2.5	<b>85.00</b>
8"	6-0812	3.8	<b>90.00</b>
10"	6-0813	4.6	<b>95.00</b>
12"	6-8020	-	<b>133.00</b>

## RINGLOCK END PLUG (GALVANIZED STEEL)



Size	Part #	Weight	List
3"	9-7432	1.8	<b>55.00</b>
4"	9-7433	2.3	<b>60.00</b>
5"	9-7434	3.5	<b>65.00</b>
6"	6-0830	4.9	<b>70.00</b>
8"	6-0831	6.9	<b>90.00</b>
10"	6-0832	9.9	<b>130.00</b>
12"	9-7435	15.1	<b>135.00</b>

## RINGLOCK END PLUG W/2" MPT (GALVANIZED STEEL)



Size	Part #	Weight	List
4"	9-8006	2.4	<b>69.00</b>
5"	9-8007	3.6	<b>79.00</b>
6"	9-8113	6.1	<b>98.00</b>
8"	9-8114	9.6	<b>124.00</b>
10"	9-8115	12.8	<b>143.00</b>

## HOOK STYLE END PLUG (CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-0821	1.0	<b>33.00</b>
3"	6-0822	1.5	<b>38.00</b>
4"	6-0820	2.0	<b>54.00</b>
5"	6-0823	3.0	<b>72.00</b>
6"	6-0824	4.0	<b>78.00</b>

## TWIST LOCK END PLUG (CAST ALUMINUM)



Size	Part #	Weight	List
6"	6-0315	3.5	<b>150.00</b>

## KNOB STYLE END PLUG

(CAST ALUMINUM)



Size	Part #	Weight	List
2"	6-0833	0.8	<b>39.00</b>
3"	6-0834	1.3	<b>40.00</b>
4"	6-0835	1.8	<b>51.00</b>
5"	6-0836	2.3	<b>66.00</b>
6"	6-0837	3.0	<b>74.00</b>

## SURFACE END PLUG

(PVC)



Size	Part #	Weight	List
6"	6-0815	-	<b>39.00</b>
8"	6-0816	-	<b>49.00</b>
10"	6-0817	-	<b>62.00</b>
12"	6-0818	-	<b>79.00</b>

## RINGLOCK END CAP

(GALVANIZED STEEL)



Size	Part #	Weight	List
3"	9-7436	1.6	<b>55.00</b>
4"	9-7437	2.3	<b>60.00</b>
5"	9-7438	3.5	<b>65.00</b>
6"	6-0870	4.1	<b>99.00</b>
8"	6-0871	8.2	<b>105.00</b>
10"	9-7439	9.9	<b>130.00</b>
12"	9-7440	15.1	<b>135.00</b>

## END PLUG COVER, W/HANDLE,

### WELD-ON

 (CAST ALUMINUM)


Size	Part #	Weight	List
6"	9-7620	1.5	<b>63.00</b>
8"	9-7621	2.5	<b>85.00</b>
10"	9-7622	3.3	<b>97.00</b>

Aluminum end plug cover fits a coupler's weld socket for fabricating end plugs and end caps.

# WELD-ON ELBOWS

## SWEEPING ELBOW - WELD-ON (CAST ALUMINUM)

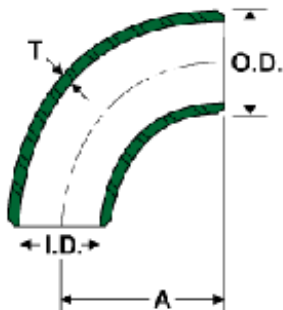


Size	Cast Alum 45° Sweep			Cast Alum 90° Sweep		
	Part #	Weight	List	Part #	Weight	List
3"	6-0270	1.0	<b>39.00</b>	6-0275	1.5	<b>65.00</b>
4"	6-0271	1.0	<b>40.00</b>	6-0276	1.7	<b>71.00</b>
5"	6-9943	1.5	<b>56.00</b>	6-9942	2.3	<b>95.00</b>
6"	6-0272	2.0	<b>68.00</b>	6-0277	4.0	<b>112.00</b>
8"	6-0273	3.5	<b>83.00</b>	6-0278	6.0	<b>134.00</b>
10"	6-0274	4.8	<b>121.00</b>	6-0279	9.5	<b>204.00</b>
12"	9-7413	5.5	<b>281.00</b>	9-7414	11.0	<b>469.00</b>

## SWEEPING ELBOW - WELD-ON (BLACK STEEL)



Size	Black Steel 45° Sweep				Black Steel 90° Sweep				
	Part #	Thickness	Weight	List	Part #	Thickness	"A"	Weight	List
2"	6-0075		2.0	<b>20.00</b>	6-0001			2.0	<b>26.00</b>
3"	6-0076		4.0	<b>42.00</b>	6-0002			4.0	<b>43.00</b>
4"	6-0077	.200"	5.5	<b>67.00</b>	6-0003	.200"	5.25"	5.7	<b>66.00</b>
4-1/2"	9-7755	.134"	3.0	<b>22.00</b>	9-7758	.134"		6.0	<b>30.00</b>
5"	9-8112		-	<b>56.00</b>	9-5017			-	<b>75.00</b>
5-5/8"	9-7894	.188"	-	<b>37.00</b>	9-7897	.188"		-	<b>51.00</b>
6"					9-7658	.072"	16.25"	9.7	<b>90.00</b>
6"	6-0078	.190"	6.1	<b>73.00</b>	6-0004	.190"	8.50"	12.1	<b>83.00</b>
6-5/8"	9-7756	.190"	6.0	<b>47.00</b>	9-7759	.190"		12.0	<b>78.00</b>
8"	9-6813	.190"	12.1	<b>70.00</b>	6-9939	.190"	11.50"	24.5	<b>110.00</b>
8-5/8"	9-7757	.190"	11.1	<b>93.00</b>	9-7760	.190"		22.1	<b>147.00</b>
10"	9-7776	.190"	18.5	<b>75.00</b>	9-7777	.190"		37.0	<b>130.00</b>
10-3/4"	9-7895	.250"	-	<b>147.00</b>	9-7898	.250"		-	<b>231.00</b>
12-3/4"	9-7896	.250"	-	<b>199.00</b>	9-7899	.250"		-	<b>317.00</b>



## MITERED ELBOW - WELD-ON (BLACK STEEL)



45°

Size	10ga (.135")			7ga (.188")		
	Part #	Weight	List	Part #	Weight	List
3"	6-0280	1.5	70.00			
4"	6-0281	3.6	70.00			
6"	6-0282	6.1	90.00	9-8196	8.2	153.00
8"	6-0283	10.8	135.00	9-8197	14.5	187.00
10"	6-0268	12.3	155.00	9-8198	16.6	202.00
12"	6-0269	15.9	175.00	9-8199	21.6	234.00

Measurements (Inside):

- 45 deg 3"x3" extensions
- 90 deg 3"x2"x3"

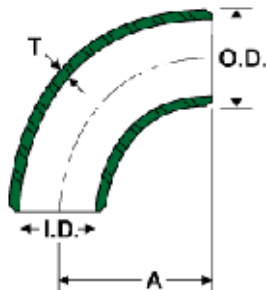


90°

Size	10ga (.135")			7ga (.188")		
	Part #	Weight	List	Part #	Weight	List
3"	6-0284	2.1	80.00			
4"	6-0285	5.4	80.00			
6"	6-0286	9.3	130.00	9-8200	12.5	258.00
8"	6-0287	14.1	175.00	9-8201	19.0	296.00
10"	6-0288	19.7	170.00	9-8202	26.7	344.00
12"	6-0289	26.1	260.00	9-8203	35.4	399.00

\*\*\*Stainless Steel also available\*\*\*

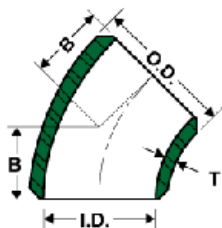
## 90° ELBOW - SCH 40 (BLACK STEEL)



- Long Radius
- Other sizes available. Please Call.

Size	Wall	OD	ID	"A"	Part #	Weight	List
3"	.216"	3.50"	3.07"	4.5"	9-5231	4.8	18.00
4"	.237"	4.50"	4.03"	6.0"	9-5233	8.9	29.00
6"	.280"	6.62"	6.06"	9.0"	9-5235	24.0	88.00
8"	.322"	8.62"	7.97"	12.0"	9-5237	47.8	145.00
10"	.365"	10.75"	10.02"	15.0"	9-5227	83.4	239.00
12"	.375"	12.75"	12.00"	18.0"	9-5229	123.0	355.00

## 45° ELBOW - SCH 40 (BLACK STEEL)



\* Other sizes available. Please Call.

Size	Wall	OD	ID	"B"	Part #	Weight	List
3"	.216"	3.50"	3.07"	2.0"	9-5230	2.5	13.00
4"	.237"	4.50"	4.03"	2.5"	9-5232	4.5	22.00
6"	.280"	6.62"	6.06"	3.75"	9-5234	11.7	44.00
8"	.322"	8.62"	7.97"	5.0"	9-5236	23.3	73.00
10"	.365"	10.75"	10.02"	6.25"	9-5226	40.9	145.00
12"	.375"	12.75"	12.00"	7.5"	9-5228	61.4	205.00

# WELD-ON TEES

## WELD-ON TEE (CAST ALUMINUM)



Size	Part #	Weight	List
3"	9-7425	1.5	<b>92.00</b>
4"	6-9940	2.0	<b>101.00</b>
5"	6-9941	2.5	<b>111.00</b>
6"	6-0290	3.0	<b>125.00</b>
8"	6-0291	5.8	<b>171.00</b>
10"	6-0292	8.0	<b>205.00</b>

## WELD-ON TEE (BLACK STEEL)



Measurements:  
4"x4" extensions

Size	10ga (.135")			7ga (.188")		
	Part #	Weight	List	Part #	Weight	List
4"	6-0293	11.5	<b>95.00</b>			
5"	6-0294	15.4	<b>95.00</b>			
6"	6-0295	14.3	<b>125.00</b>	9-8204	19.3	<b>214.00</b>
8"	6-0296	21.2	<b>140.00</b>	9-8205	28.5	<b>265.00</b>
10"	6-0297	29.0	<b>160.00</b>	9-8206	39.4	<b>321.00</b>
12"	6-0298	38.0	<b>205.00</b>	9-8207	51.5	<b>393.00</b>

\*\*\*Stainless Steel also available\*\*\*

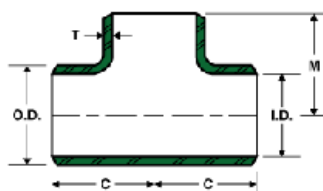
## WELD-ON WYE TEE (BLACK STEEL)



\*\*\*Stainless Steel also available\*\*\*

Size	10ga (.135")			7ga (.188")		
	Part #	Weight	List	Part #	Weight	List
4"	9-8212	9.5	<b>152.00</b>			
5"	9-8213	12.0	<b>125.00</b>			
6"	9-8214	14.3	<b>177.00</b>	9-8208	19.3	<b>259.00</b>
8"	9-8215	21.2	<b>212.00</b>	9-8209	28.5	<b>310.00</b>
10"	9-8216	29.0	<b>261.00</b>	9-8210	39.4	<b>366.00</b>
12"	9-8217	38.0	<b>304.00</b>	9-8211	51.5	<b>437.00</b>

## TEE - SCH 40 (BLACK STEEL)



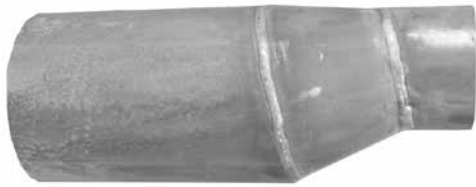
Size	Wall	OD	ID	"C"	Part #	Weight	List
3"	.216"	3.50"	3.07"	3.38"	9-5282	7.2	<b>38.00</b>
4"	.237"	4.50"	4.03"	4.12"	9-5283	12.7	<b>53.00</b>
6"	.280"	6.62"	6.06"	5.62"	9-5284	33.1	<b>79.00</b>
8"	.322"	8.62"	7.97"	7.00"	9-5285	56.5	<b>182.00</b>
10"	.365"	10.75"	10.02"	8.50"	9-5280	90.9	<b>310.00</b>
12"	.375"	12.75"	12.00"	10.0"	9-5281	136.0	<b>435.00</b>

\* Other sizes available. Please Call.



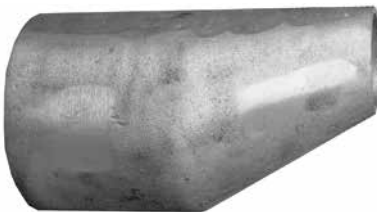
# ECCENTRIC CONES

## ECCENTRIC CONE (BLACK STEEL)



Size	Part #	Weight	List
3" x 2"	6-1124	2.3	<b>46.00</b>
4" x 2"	6-1139	3.0	<b>43.00</b>
4" x 3"	6-1145	2.5	<b>53.00</b>
5" x 3"	6-1146	3.8	<b>68.00</b>
5" x 4"	6-1147	3.3	<b>65.00</b>
6" x 3"	6-1148	5.0	<b>85.00</b>
6" x 4"	6-1140	4.3	<b>83.00</b>
6" x 5"	6-1149	3.8	<b>77.00</b>
8" x 4"	6-1141	10.5	<b>107.00</b>
8" x 5"	6-1154	10.0	<b>103.00</b>
8" x 6"	6-1142	8.8	<b>97.00</b>
10" x 6"	6-1180	14.0	<b>148.00</b>
10" x 8"	6-1143	12.5	<b>148.00</b>
12" x 6"	6-1181	15.0	<b>170.00</b>
12" x 8"	6-1182	13.5	<b>160.00</b>
12" x 10"	6-1144	13.0	<b>155.00</b>
14" x 12"	9-8109	-	<b>341.00</b>

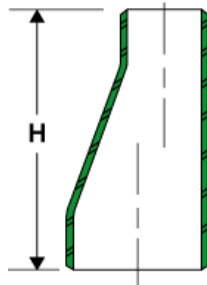
## ECCENTRIC CONE (CAST ALUMINUM)



Can be cut to fit fabricated size.

Size	Part #	Weight	List
2-1/2" x 6"	6-1177	3.3	<b>103.00</b>
3" x 8"	6-1178	5.3	<b>146.00</b>

## ECCENTRIC CONE - SCH 40 (BLACK STEEL)



\* Other sizes available. Please Call.

Size	"H"	Part #	Weight	List
3" x 2"	3.5	9-5218	2.0	<b>27.00</b>
3" x 2-1/2"	3.5	9-5219	2.2	<b>25.00</b>
4" x 2-1/2"	4.0	9-5220	3.2	<b>35.00</b>
4" x 3"	4.0	9-5221	3.3	<b>33.00</b>
6" x 4"	5.5	9-5222	7.4	<b>68.00</b>
6" x 5"	5.5	9-5223	7.6	<b>49.00</b>
8" x 4"	6.0	9-5224	10.8	<b>160.00</b>
8" x 6"	6.0	9-5225	12.3	<b>88.00</b>
10" x 6"	7.0	9-5214	20.7	<b>190.00</b>
10" x 8"	8.0	9-5215	22.1	<b>115.00</b>
12" x 10"	8.0	9-5216	32.4	<b>180.00</b>
12" x 8"	8.0	9-5217	30.5	<b>265.00</b>

# CONCENTRIC CONES

## CONE (BLACK STEEL)



Size	14/12ga			10ga			7ga		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
3" x 2"	6-1185	0.5	10.00						
4" x 2"	6-1186	1.0	13.00						
4" x 3"	6-1187	0.5	9.00						
5" x 3"	6-1188	1.5	18.00						
5" x 4"	6-1189	0.7	20.00						
6" x 3"	6-1190	2.0	25.00						
6" x 4"	6-1130	1.2	17.00	6-9747	2.3	24.00	9-7873	-	26.00
6" x 5"	6-1191	0.9	17.00	9-8297	-	23.00	9-8298	-	40.00
7" x 5"	6-1192	1.0	23.00						
7" x 6"	6-1193	1.0	20.00						
8" x 7"	6-1194	1.4	21.00						
8" x 4"	6-1131	2.5	45.00						
8" x 5"	6-1195	3.0	38.00						
8" x 6"	6-1132	2.5	27.00	6-9748	3.2	42.00	9-7874	-	37.00
9" x 8"	6-1196	1.7	25.00						
10" x 9"	6-1197	2.2	34.00						
10" x 8"	6-1133	3.2	34.00	6-9749	4.1	52.00	9-7875	-	61.00
12" x 10"	6-1138	4.0	45.00	6-9750	5.0	55.00	9-7876	-	110.00
12" x 8"	6-1198	7.5	72.00						
14" x 10"				6-8100	9.0	127.00			
14" x 12"				6-8101	5.0	55.00			
15" x 10"	9-7690	-	135.00						
16" x 10"				9-7689	-	239.00			
16" x 12"				6-8102	11.0	157.00			
16" x 14"				6-8103	6.0	103.00			
18" x 14"				6-8104	15.0	275.00			
18" x 16"				6-8105	7.0	125.00			
20" x 16"				6-8106	16.0	298.00			
20" x 18"				6-8107	7.5	139.00			
22" x 18"				6-8108	-	288.00			
22" x 20"				6-8109	10.8	198.00			
24" x 20"				6-8110	-	495.00			
24" x 22"				6-8111	15.8	238.00			

# CONCENTRIC CONES

## CONE (CAST ALUMINUM)



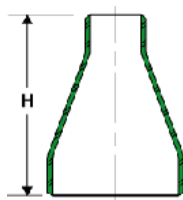
Size	Material	Part #	Weight	List
3" x 2"	Cast Aluminum	6-1125	0.3	<b>20.00</b>
4" x 2"	Cast Aluminum	6-1126	0.3	<b>20.00</b>
4" x 3"	Cast Aluminum	6-1127	1.5	<b>28.00</b>
5" x 4"	Cast Aluminum	6-1128	0.8	<b>24.00</b>
6" x 4"	Cast Aluminum	6-1134	1.8	<b>41.00</b>
6" x 5"	Cast Aluminum	6-1129	1.0	<b>37.00</b>
8" x 4"	Cast Aluminum	6-1135	4.1	<b>118.00</b>
8" x 6"	Cast Aluminum	6-1136	2.3	<b>55.00</b>
8" x 7"	<b>Aluminum</b>	6-1164	0.2	<b>25.00</b>
9" x 8"	<b>Aluminum</b>	6-1165	-	<b>40.00</b>
10" x 8"	Cast Aluminum	6-1137	4.0	<b>74.00</b>
12" x 10"	Cast Aluminum	6-0865	5.0	<b>109.00</b>

## CONE (STAINLESS STEEL)



Size	Material	Part #	Weight	List
6" x 4"	304 Stainless Steel	9-8147	1.2	<b>87.00</b>
8" x 6"	304 Stainless Steel	9-8107	2.5	<b>106.00</b>
10" x 8"	304 Stainless Steel	9-8108	3.2	<b>125.00</b>
12" x 8"	304 Stainless Steel	9-8148	4.0	<b>150.00</b>

## CONCENTRIC CONE - SCH 40 (BLACK STEEL)



Size	"H"	Part #	Weight	List
3" x 2"	3.5"	9-5190	2.0	<b>18.00</b>
3" x 2-1/2"	3.5"	9-5191	2.2	<b>17.00</b>
4" x 2-1/2"	4.0"	9-5192	3.2	<b>46.00</b>
4" x 3"	4.0"	9-5193	3.3	<b>21.00</b>
6" x 4"	5.5"	9-5194	7.4	<b>44.00</b>
6" x 5"	5.5"	9-5195	7.6	<b>39.00</b>
8" x 4"	6.0"	9-5196	10.8	<b>75.00</b>
8" x 6"	6.0"	9-5197	12.3	<b>57.00</b>
10" x 6"	7.0"	9-5186	20.7	<b>105.00</b>
10" x 8"	8.0"	9-5187	22.1	<b>110.00</b>
12" x 10"	8.0"	9-5188	32.4	<b>140.00</b>
12" x 8"	8.0"	9-5189	30.5	<b>160.00</b>

\* Other sizes available. Please Call.

Fittings

# FLANGES

## FLANGE (BLACK STEEL)



Includes Gasket

### Specifications:

- Carbon Steel (either A36 plate OR A283-C plate)
- Polyurethane coating (to avoid rust in transit)
- Mil finished plate x machined (125-250-rms) facing
- 1/2" thick; #150 psi test
- Full Face flanges; Standard Bolt Holes
- 1/16" red rubber flange gasket included
- DIN Flanges also available (please call)

Larger sizes available, please call for pricing and availability.

Size	Part #	Weight	List
<b>OD Size:</b>			
2"	6-1104	3.5	<b>16.00</b>
2-1/2"	6-1105	4.5	<b>22.00</b>
3"	6-1106	5.3	<b>18.00</b>
4"	6-1107	7.1	<b>20.00</b>
5"	6-1108	8.2	<b>25.00</b>
6"	6-1110	9.3	<b>30.00</b>
8"	6-1111	12.9	<b>40.00</b>
10"	6-1112	16.6	<b>50.00</b>
12"	6-1109	23.0	<b>80.00</b>
14"	8-1440	26.5	<b>125.00</b>
16"	8-1441	31.0	<b>189.00</b>
18"	8-1442	32.0	<b>225.00</b>
20"	8-1443	37.5	<b>265.00</b>
22"	8-1444	38.5	<b>289.00</b>
24"	8-1445	51.0	<b>375.00</b>
<b>IPS Size:</b>			
4-1/2"	9-6915	6.6	<b>20.00</b>
6-5/8"	6-9674	8.7	<b>37.00</b>
8-5/8"	6-9675	11.7	<b>53.00</b>
10-3/4"	6-9676	14.9	<b>68.00</b>
12-3/4"	6-9677	22.1	<b>98.00</b>
<b>For Valve Outlet:</b>			
6"	6-9678	6.1	<b>38.00</b>
8"	6-9679	8.9	<b>47.00</b>
10"	6-9680	-	<b>100.00</b>
12"	6-9681	-	<b>175.00</b>

Size	Part #	Thickness	ID	OD	Bolt Circle	# of Holes	Hole Size	Bolt Size
2"	6-1104	1/2"	2-1/16"	6"	4-3/4"	4	3/4"	5/8"
2-1/2"	6-1105	1/2"	2-9/16"	7"	5-1/2"	4	3/4"	5/8"
3"	6-1106	1/2"	3-1/16"	7.5"	6"	4	3/4"	5/8"
4"	6-1107	1/2"	4-1/16"	9"	7-1/2"	8	3/4"	5/8"
4-1/2" IPS Size	9-6915	1/2"	4.57"	9"	7-1/2"	8	3/4"	5/8"
5"	6-1108	1/2"	5-1/16"	10"	8-1/2"	8	7/8"	3/4"
6"	6-1110	1/2"	6-1/16"	11"	9-1/2"	8	7/8"	3/4"
6-5/8" IPS Size	6-9674	1/2"	6.72"	11"	9-1/2"	8	7/8"	3/4"
6" For Valve Outlet	6-9678	1/2"	8-1/16"	11"	9-1/2"	8	7/8"	3/4"
8"	6-1111	1/2"	8-1/16"	13.5"	11-3/4"	8	7/8"	3/4"
8-5/8" IPS Size	6-9675	1/2"	8.72"	13.5"	11-3/4"	8	7/8"	3/4"
8" For Valve Outlet	6-9679	1/2"	10-1/16"	13.5"	11-3/4"	8	7/8"	3/4"
10"	6-1112	1/2"	10-1/16"	16"	14-1/4"	12	1"	7/8"
10-3/4" IPS Size	6-9676	1/2"	10.88"	16"	14-1/4"	12	1"	7/8"
10" For Valve Outlet	6-9680	1/2"	12-1/16"	16"	14-1/4"	12	1"	7/8"
12"	6-1109	1/2"	12-1/16"	19"	17"	12	1"	7/8"
12-3/4"	6-9677	1/2"	12.88"	19"	17"	12	1"	7/8"
12" For Valve Outlet	6-9681	1/2"	14.13"	19"	17"	12	1"	7/8"
14"	8-1440	1/2"	14.13"	21"	18-3/4"	12	1-1/8"	1"
16"	8-1441	1/2"	16.13"	23.5"	21-1/4"	16	1-1/8"	1"
18"	8-1442	1/2"	18.13"	25"	22-3/4"	16	1-1/4"	1-1/8"
20"	8-1443	1/2"	20.13"	27.5"	25"	20	1-1/4"	1-1/8"
22"	8-1444	1/2"	22.13"	29.5"	27-1/4"	20	1-3/8"	1-1/4"
24"	8-1445	1/2"	24.13"	32"	29-1/2"	20	1-3/8"	1-1/4"

## FLANGE (CAST ALUMINUM)



Includes Gasket

Size	Part #	Weight	List
3"	6-1055	3.0	<b>86.00</b>
4"	6-1116	4.2	<b>89.00</b>
5"	6-1117	5.2	<b>96.00</b>
6"	6-1113	6.3	<b>105.00</b>
8"	6-1114	8.1	<b>135.00</b>
10"	6-1115	12.3	<b>205.00</b>
12"	6-1103	17.5	<b>315.00</b>

## FLANGE (STAINLESS STEEL)



Includes Gasket

Size	Part #	Weight	List
6"	9-8101	9.3	<b>151.00</b>
8"	9-8102	12.9	<b>270.00</b>
10"	9-8103	16.6	<b>300.00</b>

## FLANGE GASKET (RED RUBBER)



(Full Face)

Size	1/16" Thick			1/8" Thick		
	Part #	Weight	List	Part #	Weight	List
2"	6-1101	-	<b>2.00</b>	6-9666	-	<b>2.00</b>
2-1/2"	9-6814	-	<b>2.50</b>	9-7802	-	<b>2.00</b>
3"	6-1102	-	<b>3.00</b>	6-9667	-	<b>3.50</b>
4"	6-1118	0.2	<b>4.00</b>	6-9668	-	<b>4.00</b>
5"	6-1119	0.2	<b>5.00</b>	6-9669	-	<b>5.00</b>
6"	6-1120	0.3	<b>4.00</b>	6-9670	-	<b>6.00</b>
8"	6-1121	0.3	<b>5.00</b>	6-9671	-	<b>8.00</b>
10"	6-1122	0.3	<b>6.00</b>	6-9672	-	<b>11.00</b>
12"	6-1123	0.5	<b>9.00</b>	6-9673	-	<b>15.00</b>
14"	9-7797	-	<b>13.00</b>	8-1340	-	<b>18.00</b>
16"	9-7798	-	<b>15.00</b>	8-1341	-	<b>23.00</b>
18"	9-7799	-	<b>17.00</b>	8-1342	-	<b>26.00</b>
20"	9-7800	-	<b>19.00</b>	8-1343	-	<b>31.00</b>
22"	9-8300	-	<b>23.00</b>	8-1344	-	<b>30.00</b>
24"	9-7801	-	<b>23.00</b>	8-1345	-	<b>45.00</b>

## FLANGE - SQUARE (BLACK STEEL)



Size	Part #	Weight	List
4"	9-5466	3.0	<b>15.00</b>
6"	9-5467	1.9	<b>21.00</b>
8"	9-5468	3.1	<b>35.00</b>

## FLANGE GASKET - SQUARE

Size	Part #	Weight	List
4"/6"	9-8164	-	<b>10.00</b>
8"	9-8165	-	<b>17.00</b>

## FLANGE - BLIND (BLACK STEEL)



Includes Gasket

Size	OD	Thickness	Part #	Weight	List
2"	6"	1/2"	6-9707	4.0	<b>25.00</b>
2-1/2"	7"	1/2"	6-9708	5.5	<b>35.00</b>
3"	7-1/2"	1/2"	6-9709	6.5	<b>28.00</b>
4"	9"	1/2"	6-9710	9.2	<b>38.00</b>
5"	10"	1/2"	9-8163	11.5	<b>51.00</b>
6"	11"	1/2"	6-9711	13.8	<b>58.00</b>
8"	13-1/2"	1/2"	6-9712	21.3	<b>88.00</b>
10"	16"	1/2"	6-9713	28.1	<b>122.00</b>
12"	19"	1/2"	6-9714	42.3	<b>174.00</b>
14"	21"	1/2"	9-7724	51.5	<b>180.00</b>
16"	23-1/2"	1/2"	9-7725	60.0	<b>320.00</b>
18"	25"	1/2"	9-7726	70.0	<b>239.00</b>
20"	27-1/2"	1/2"	9-7727	90.0	<b>306.00</b>
24"	32"	1/2"	9-7728	125.0	<b>410.00</b>

## FLANGE - FEMALE THREADED (CAST IRON)



Includes Gasket

Thread Size	OD	Thickness	Part #	Weight	List
2"	6"	5/8"	6-9639	5.1	<b>31.00</b>
2-1/2"	7"	5/8"	6-9640	7.1	<b>31.00</b>
3"	7-1/2"	5/8"	6-9641	7.9	<b>39.00</b>
4"	9"	5/8"	6-9642	13.2	<b>60.00</b>
5"	10"	3/4"	6-9643	15.2	<b>71.00</b>
6"	11"	3/4"	6-9644	19.0	<b>76.00</b>
8"	13-1/2"	1"	6-9645	30.3	<b>130.00</b>
10"	16"	1"	6-9646	43.3	<b>306.00</b>
12"	19"	1"	6-9647	64.4	<b>318.00</b>

Female pipe thread ID

## FLANGE INSULATION KIT



## Includes:

- Nitrile-Face Phenolic Full Face Flange Gasket
- Mylar Sleeves
- Phenolic Washers (single washer kit)
- Steel Washers (single washer kit)
- Bolts & Nuts NOT included

This cathodically insulated kit prevents stray currents which cause undue corrosion and eventual breakdown of the metal. Also prevents leakage.

Size	Part #	Weight	List
2"	9-6928	0.4	<b>18.00</b>
2-1/2"	9-6929	0.6	<b>24.00</b>
3"	9-6930	0.6	<b>25.00</b>
4"	9-6931	0.8	<b>54.00</b>
5"	9-6932	1.0	<b>41.00</b>
6"	9-6933	1.2	<b>98.00</b>
8"	9-6934	1.6	<b>67.00</b>
10"	9-6935	3.0	<b>91.00</b>
12"	9-6936	3.2	<b>115.00</b>
14"	9-6937	4.2	<b>142.00</b>
16"	9-6938	5.6	<b>179.00</b>
18"	9-6939	6.4	<b>203.00</b>
20"	9-6940	7.2	<b>245.00</b>
22"	9-6941	8.5	<b>275.00</b>
24"	9-6942	9.8	<b>305.00</b>



## DISC - WELD-ON (ALUMINUM)



Size	Thickness	Part #	Weight	List
2"	.090"	6-1156	0.1	<b>3.50</b>
3"	.090"	6-1157	0.3	<b>4.00</b>
4"	.090"	6-1159	0.5	<b>5.00</b>
5"	.090"	6-1158	0.8	<b>6.50</b>
6"	.090"	6-1160	1.0	<b>9.00</b>
7"	.090"	9-5808	-	<b>10.00</b>
8"	.090"	6-1161	1.7	<b>12.00</b>
9"	.090"	9-5809	0.5	<b>12.50</b>
10"	.090"	6-1162	2.0	<b>18.00</b>
12"	.090"	6-1163	2.5	<b>19.00</b>

## DISC - WELD-ON (BLACK STEEL)



Size	Thickness	Part #	Weight	List
2"	3/16"	6-1170	0.1	<b>2.50</b>
3"	3/16"	6-1171	0.2	<b>3.50</b>
4"	3/16"	6-1150	0.4	<b>4.00</b>
5"	3/16"	6-1172	1.1	<b>9.50</b>
6"	3/16"	6-1151	1.0	<b>10.00</b>
7"	1/4"	6-1173	2.8	<b>11.00</b>
8"	3/16"	6-1152	3.3	<b>16.00</b>
9"	1/4"	6-1175	4.6	<b>24.00</b>
10"	3/16"	6-1153	4.0	<b>17.00</b>
11"	1/4"	6-1176	6.8	<b>37.00</b>
12"	3/16"	6-1174	5.8	<b>25.00</b>

# RINGS

## RINGLOCK CLAMP (BAIL SPRING)



Size	Schumacher Standard			Oversized (TL)			A&M (small)			Pierce (small)		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
3"	6-1047	1.4	23.00									
4"	6-1038	1.6	25.00							9-8220	1.6	22.00
5"	6-1039	1.8	26.00									
6"	6-1040	2.0	28.00	6-1043	2.0	31.00	6-0083	2.0	25.00	6-1060	2.0	24.00
7"	6-1036	2.3	33.00									
8"	6-1041	2.7	30.00	6-1044	2.5	33.00	6-0084	2.5	34.00	9-8221	2.7	27.00
10"	6-1042	3.5	38.00				6-0085	3.5	28.00	9-8222	3.5	32.00
12"	6-1037	5.3	44.00							9-8223	5.3	41.00

## BAIL SPRING (FOR RINGLOCK CLAMPS)



Size	Part #	Weight	List
-	6-1046	0.5	6.00

## RINGLOCK CLAMP (SPRING LOADED HOOK)



Size	Part #	Weight	List
3"	9-8347	1.5	49.00
4"	9-8348	1.8	52.00
5"	9-8349	1.9	53.00
6"	9-8350	2.2	55.00
8"	9-8351	3.1	60.00
10"	9-8352	3.8	73.00
12"	9-8353	4.4	95.00

## HORSESHOE CLAMP (PAINTED STEEL)



Size	Part #	Weight	List
6"	6-1050	1.5	24.00
7"	6-1054	1.6	19.00
8"	6-1051	1.7	35.00
10"	6-1052	2.1	38.00

Up to 50 psi

## RING - WELD-ON (BLACK STEEL)



Steel



Aluminum

Size	Part #	Steel		Aluminum		
		Weight	List	Part #	Weight	List
4"	9-8131	-	7.00			
6"	6-1020	1.0	10.00	6-1010	0.6	17.00
8"	6-1021	1.1	21.00	6-1011	0.9	21.00
10"	6-1022	1.4	23.00	6-1012	1.1	27.00
12"	9-8142	-	27.00			

## RING - BOLT-ON (PAINTED STEEL)



Size	Part #	Weight	List
4"	9-5806	1.2	14.00
6"	6-1032	1.7	33.00
8"	6-1033	2.1	38.00
10"	6-1035	2.6	35.00
12"	9-5807	-	31.00

Max. 50 psi

## SINGLE BAND & HOOK (GALVANIZED STEEL)



Single, Complete Assembly includes 1 band, 1 hook, 2 bolts, 2 nuts and 1 ferrule.

Single Band Only Assembly includes 1 band and 1 nut &amp; bolt.

Size	Complete			Band Only		
	Part #	Weight	List	Part #	Weight	List
2"	6-0913	0.5	13.00	6-0915	0.4	8.00
3"	6-0914	0.6	14.00	6-0916	1.3	10.00
4"	6-0910	0.6	19.00	6-0911	0.8	12.00
5"	6-0922	0.8	21.00	6-0924	1.9	12.00
6"	6-0920	2.8	25.00	6-0921	2.2	20.00
7"	6-0923	3.0	20.00	6-0925	-	15.00
8"	6-0930	3.8	32.00	6-0931	2.8	27.00
9"	6-0932	4.0	24.00	6-0933	2.1	19.00
10"	6-0940	4.5	25.00	6-0941	3.4	23.00
12"	6-0945	5.0	27.00	6-0942	-	22.00

## DOUBLE BAND & HOOK (GALVANIZED STEEL)



Double, Complete Assembly includes 1 band, 2 hooks, 3 bolts, 3 nuts and 2 ferrules.

Size	Complete			Band Only		
	Part #	Weight	List	Part #	Weight	List
4"	6-0950	1.6	40.00	6-0951	1.1	29.00
6"	6-0960	3.8	47.00	6-0961	2.5	37.00
8"	6-0970	4.8	54.00	6-0971	3.1	44.00
10"	6-0980	5.5	48.00	6-0981	3.7	40.00
12"	6-0990	6.0	50.00	6-0991	0.3	39.00

## HOOK (GALVANIZED STEEL)



Universal			Anderson			A&M Long			A&M Short		
Part #	Weight	List	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
6-0904	0.5	5.15	4-0012	0.5	4.00	4-0013	-	6.00	4-0014	0.4	6.00

# BAND & LATCH ACCESSORIES

## BAND & LATCH (KNOB STYLE)



2", 3"



4", 5", 6"

Size	Complete			Band Only		
	Part #	Weight	List	Part #	Weight	List
2"	6-0992	0.4	12.00	6-0953	0.6	6.00
3"	6-0993	0.5	13.00	6-0954	0.7	7.00
4"	6-0994	0.9	18.00	6-0955	0.8	12.00
5"	6-0995	1.6	23.00	6-0956	1.4	16.00
6"	6-0996	1.8	29.00	6-0957	1.7	23.00

## LATCH ONLY (KNOB STYLE)



CX



DX

Size	Type	Part #	Weight	List
2"-3"-4"	CX	6-0946	0.3	6.50
5"-6"	DX	6-0952	0.3	6.50

## KNOB - WELD-ON (CAST ALUMINUM)



Type	Part #	Weight	List
Cast Alum.	6-0844	0.1	4.50

## U - HOLDER



Type	Part #	Weight	List
Aluminum	6-0861	0.1	10.00
Steel	6-0860	0.3	4.50

## U - HOLDER FOR TELESCOPE (CAST ALUMINUM)



Size	Part #	Weight	List
-	6-0862	0.5	23.00

# BAND & LATCH ACCESSORIES

## LOCKING BLOCK



Steel



Aluminum

Type	Part #	Weight	List
Aluminum	6-0840	0.3	8.00
Steel	6-0850	0.3	4.50

## LOCK RING - WELD-ON (STEEL)



Type	Part #	Weight	List
Steel	6-0841	-	11.00

## LOCK RING - BOLT-ON (CAST ALUMINUM)



Type	Part #	Weight	List
Cast Alum.	6-0842	0.4	9.00

## LOCK PLATE STUB (CAST ALUMINUM)



\*Older lock plates are steel

Type	Part #	Weight	List
Cast Alum.	6-0843	-	8.00

## BAIL RING



Type	Part #	Weight	List
3",4",5" w/Aluminum Bracket	6-0848	-	22.00
6" w/Steel Bracket	6-0846	-	41.00
6" w/Aluminum Bracket	6-0847	-	41.00

## LUG - WELD-ON (ALUMINUM)



Type	Part #	Weight	List
4" Aluminum	6-0851	0.1	6.00
6" Aluminum	6-0849	0.2	8.00

\* To match above Bail Rings

# NUTS & BOLTS

## BOLT KITS

(FOR STEEL FLG X FLG)



Flg Size	Kit Size	Dimension	Part #	Weight	List
2", 3"	Set of 4	5/8"x 2" long	9-5882	-	<b>8.50</b>
4"	Set of 8	5/8"x 2" long	9-5883	-	<b>15.00</b>
5", 6", 8"	Set of 8	3/4"x 2" long	9-5884	4.9	<b>29.00</b>
10", 12"	Set of 12	7/8"x 2" long	9-5881	10.7	<b>47.00</b>

## BOLT KITS

(FOR WAFER VALVES)



Wafer Valve Kit for Steel Flanges						Wafer Valve Kit for PVC Flanges			
Flg Size	Kit Size	Dimension	Part #	Weight	List	Dimension	Part #	Weight	List
2", 3"	Set of 4	5/8"x 4"	9-5886	-	<b>11.00</b>	5/8"x 5"	9-6864	-	<b>12.00</b>
4"	Set of 8	5/8"x 4-1/2"	9-5887	5.0	<b>51.00</b>	5/8"x 6"	9-6865	-	<b>29.00</b>
5", 6", 8"	Set of 8	3/4"x 5"	9-5888	7.8	<b>36.00</b>	3/4"x 7"	9-6866	-	<b>63.00</b>
10", 12"	Set of 12	7/8"x 5-1/2"	9-5885	17.7	<b>105.00</b>	7/8"x 8"	9-6863	-	<b>125.00</b>
16"	Set of 16	1" x 5-1/2"	9-7663	-	<b>121.00</b>				
18"	Set of 16	1-1/8" x 5-1/2"	9-7664	-	<b>165.00</b>				

## NUTS & BOLTS

(FOR BAND & HOOK)



Type	Size	Grade	Part #	Weight	List
Bolt	3/8" x 1-1/2"	5	6-0901	0.1	<b>0.30</b>
Nut	3/8"	2	6-0902	0.1	<b>0.08</b>
Ferrule	5/16" Wide		6-0903	0.1	<b>0.75</b>
Ferrule	1/2" Wide		6-0899	-	<b>0.90</b>
Bolt	3/4" x 2"	5	6-0905	0.4	<b>1.80</b>
Nut	3/4"	2	6-0906	0.1	<b>0.50</b>

## CARRIAGE BOLT & NUT

(KNOB STYLE BAND & LATCH)

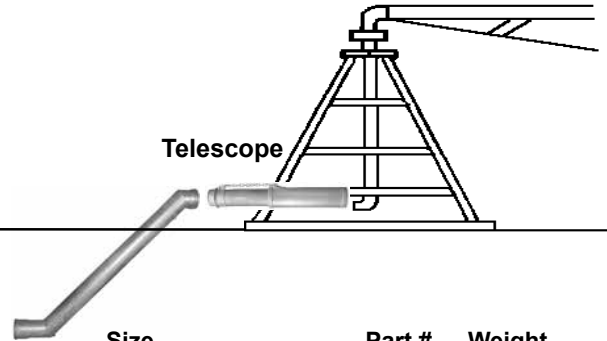
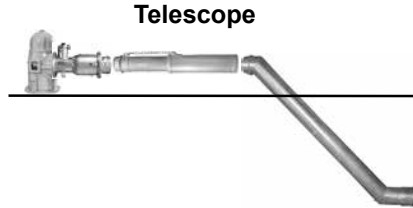


Type	Size	Description	Part #	Weight	List
Bolt	5/16" x 1"	For 4" Back	6-0947	0.1	<b>0.20</b>
Bolt	5/16" x 1-1/2"	For 2", 3", 4" Front	6-0962	0.1	<b>0.30</b>
Bolt	3/8" x 1-1/4"	For 5", 6" Back (2 req)	6-0963	0.1	<b>0.30</b>
Bolt	3/8" x 1-3/4"	For 5", 6" Front	6-0964	0.1	<b>0.50</b>
Nut	5/16"		6-0965	0.1	<b>0.10</b>
Nut	3/8"		6-0966	0.1	<b>0.15</b>



# TELESCOPES & DROP PIPE

## TELESCOPE (ALUMINUM)



Size	Part #	Weight	List
6" x 2-4'	6-1220	15.7	<b>380.00</b>
6" x 5-10'	6-1221	26.7	<b>445.00</b>
6" x 10-20'	6-1222	44.9	<b>510.00</b>
8" x 2-4'	6-1223	20.7	<b>495.00</b>
8" x 5-10'	6-1224	33.9	<b>565.00</b>
8" x 10-20'	6-1225	55.8	<b>635.00</b>
10" x 2-4'	6-1226	21.9	<b>585.00</b>
10" x 5-10'	6-1227	37.3	<b>665.00</b>
10" x 10-20'	6-1228	62.9	<b>745.00</b>

### RINGLOCK:

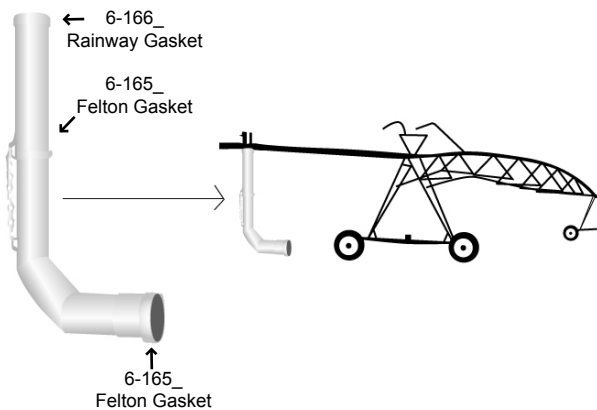


Heavy wall aluminum construction.  
Male x Female Ends.  
Includes gaskets and chain.  
Ringlock clamp **not** included.

**Double Chain Telescopes for High Pressure or long extensions also available.**

Size	Part #	Weight	List
-	DOUBLECHAIN	-	<b>77.00</b>

## DROP PIPE (ALUMINUM)



Size	Part #	Weight	List
6" x 7-15'	6-1310	32.2	<b>665.00</b>
6" to 8" x 7-15**	6-1320	39.3	<b>775.00</b>

- Heavy wall aluminum construction.
- Female x Female ends.
- Complete with gaskets & chain.
- Larger fitting is on elbow end.
- Specify make & model of pivot when ordering.

**Drop Hose also available. Please call for price.**

## CHAIN



Horizontal Working Load Limit = 880 lbs.

Type	Part #	W/ft	List/ft
5/0 Size, Plated	3-0640	0.5	<b>6.50</b>

Fittings

# GATE VALVES

## FLANGED GATE VALVE

(CAST IRON)



Size	Part #	Weight	List
3"	6-1347	57.0	<b>339.00</b>
4"	6-1348	66.1	<b>489.00</b>
5"	6-1349	153.0	<b>649.00</b>
6"	6-2070	130.1	<b>870.00</b>
8"	6-2080	213.0	<b>1,335.00</b>
10"	6-1350	282.2	<b>1,995.00</b>
12"	6-1351	392.0	<b>2,995.00</b>
16"	9-7778	1,224.0	<b>8,126.00</b>

## IPS GASKETED GATE VALVE

(CAST IRON)



Size	Part #	Weight	List
4" IPS	6-9717	70.0	<b>491.00</b>
6" IPS	6-9718	132.0	<b>704.00</b>
8" IPS	6-9719	214.0	<b>1,213.00</b>

With 2" operation nut

## GATE VALVE

(PVC)

- IPS Slip x Slip (Solvent weld)
- Unrestricted Flow
- Quick Opening
- Trouble Free Simplicity
- Low Pressure
- Low Vacuum
- Low Cost



Size	Handle	Max PSI	Part #	Weight	List
4"	Metal	20 psi	9-5323	4.5	<b>155.00</b>
6"	Stainless Steel	10 psi	9-5324	16.0	<b>620.00</b>
8"	Stainless Steel	10 psi	9-5325	18.0	<b>870.00</b>
10"	Stainless Steel	10 psi	9-7691	53.0	<b>1,534.00</b>
12"	Stainless Steel	10 psi	9-7692	55.0	<b>1,611.00</b>

Applications include:

- Liquids
- Gases
- Dry Bulk/Solids
- Slurry

## FEMALE THREAD GATE VALVE

(BRASS)



Size	Part #	Weight	List
1/2"	6-1336	0.6	<b>12.00</b>
3/4"	6-1338	0.8	<b>16.00</b>
1"	6-1339	1.2	<b>25.00</b>
2"	6-1340	3.2	<b>65.00</b>
3"	6-1341	9.9	<b>195.00</b>
4"	6-1342	17.5	<b>355.00</b>

## FEMALE THREAD GATE VALVE

(PVC)



Size	Part #	Weight	List
1/2"	6-1352	0.5	<b>45.00</b>
3/4"	6-1353	0.5	<b>55.00</b>
1"	6-1354	0.7	<b>65.00</b>
2"	6-1355	2.0	<b>145.00</b>

# BALL & WAFER BUTTERFLY VALVES

## FEMALE THREAD BALL VALVE

(BRASS)



Size	Part #	Weight	List
1/2"	6-1331	0.5	<b>13.00</b>
3/4"	6-1332	0.4	<b>19.00</b>
1"	3-0560	0.8	<b>28.00</b>
2"	6-1333	1.6	<b>95.00</b>
3"	6-1334	13.5	<b>219.00</b>
4"	6-1335	11.6	<b>335.00</b>

## FEMALE THREAD BALL VALVE

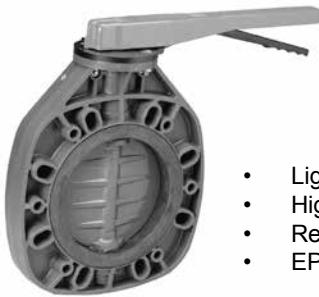
(PVC)



Size	Part #	Weight	List
1/2"	6-1343	0.2	<b>2.00</b>
3/4"	6-1344	0.4	<b>3.00</b>
1"	6-1345	0.5	<b>4.00</b>
2"	6-1346	1.6	<b>14.00</b>
3"	6-9697	4.7	<b>56.00</b>
4"	6-9698	9.3	<b>104.00</b>

## WAFER VALVE - LEVER

(PVC)



- Lightweight
- Highly Resistant to Corrosion
- Repairable
- EPDM Seal

Size	Max PSI	Part #	Weight	List
2"	150	9-5854	9.0	<b>200.00</b>
3"	150	9-5855	12.0	<b>225.00</b>
4"	150	9-5856	16.0	<b>255.00</b>
6"	115	9-5857	26.0	<b>410.00</b>
8"	115	9-5858	43.0	<b>530.00</b>
10"	115	9-5859	30.0	<b>730.00</b>

## WAFER VALVE - GEAR

(PVC)



- Lightweight
- Highly Resistant to Corrosion
- Repairable
- EPDM Seal

Size	Max PSI	Part #	Weight	List
4"	150	9-5860	11.0	<b>460.00</b>
6"	115	9-5861	15.0	<b>560.00</b>
8"	115	9-5862	31.0	<b>870.00</b>
10"	115	9-5863	38.0	<b>1,155.00</b>

# WAFER BUTTERFLY VALVES

## WAFER VALVE - LEVER



Max 200psi (2"-12")

Size	Ductile Iron Disc			Stainless Steel Disc		
	Part #	Weight	List	Part #	Weight	List
2"	9-7495	6.6	<b>86.00</b>	8-1351	6.6	<b>115.00</b>
2-1/2"	9-7496	8.2	<b>102.00</b>	8-1352	8.2	<b>128.00</b>
3"	9-7497	9.0	<b>111.00</b>	8-1353	9.0	<b>152.00</b>
4"	9-7501	11.9	<b>143.00</b>	6-2050	11.9	<b>165.00</b>
5"	9-7502	17.2	<b>195.00</b>	6-2055	17.2	<b>260.00</b>
6"	9-7503	19.0	<b>158.00</b>	6-2051	19.0	<b>295.00</b>
* 8"	9-7504	32.0	<b>248.00</b>	6-2052	32.0	<b>429.00</b>
* 10"	9-7505	48.5	<b>310.00</b>	6-2053	48.5	<b>589.00</b>
* 12"	9-7506	80.5	<b>662.00</b>	6-2054	80.5	<b>835.00</b>

\* Due to torque on the internal shaft 8", 10" and 12" Lever operated valves may not close 100% over time. For perfect water shut off, on these sizes, the Gear operated valves listed below are recommended.

## WAFER VALVE - GEAR



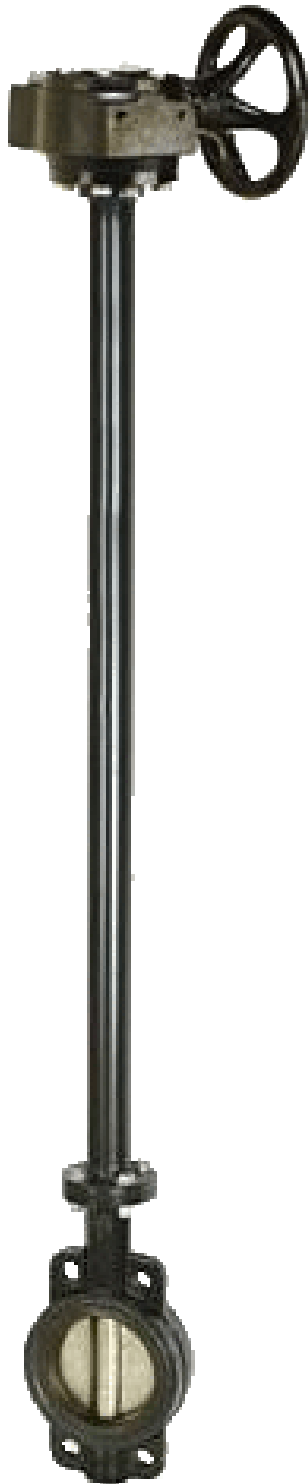
Size	Ductile Iron Disc			Stainless Steel Disc		
	Part #	Weight	List	Part #	Weight	List
2"	9-7498	18.7	<b>151.00</b>	8-1354	18.7	<b>184.00</b>
2-1/2"	9-7499	20.3	<b>158.00</b>	8-1355	20.3	<b>194.00</b>
3"	9-7500	21.2	<b>180.00</b>	8-1356	21.2	<b>227.00</b>
4"	9-7507	24.0	<b>156.00</b>	6-2056	24.0	<b>310.00</b>
5"	9-7508	28.7	<b>253.00</b>	6-2057	28.7	<b>385.00</b>
6"	9-7509	30.4	<b>218.00</b>	6-2058	30.4	<b>425.00</b>
8"	9-7510	47.8	<b>339.00</b>	6-2059	47.8	<b>585.00</b>
10"	9-7511	60.6	<b>438.00</b>	6-2060	60.6	<b>710.00</b>
12"	9-7512	112.0	<b>624.00</b>	6-2061	112.0	<b>985.00</b>
14"	9-7513	134.0	<b>1,288.00</b>	8-1205	122.0	<b>1,428.00</b>
16"	9-7514	181.0	<b>2,067.00</b>	8-1206	190.0	<b>1,915.00</b>
18"	9-7515	240.0	<b>1,594.00</b>	8-1207	240.0	<b>2,857.00</b>
20"	9-7516	395.0	<b>2,287.00</b>	8-1208	395.0	<b>3,925.00</b>
24"	9-7517	525.0	<b>3,365.00</b>	8-1209	525.0	<b>6,050.00</b>
30"	9-7649	-	<b>11,271.00</b>			
36"	9-7650	-	<b>16,174.00</b>			

### Features:

- Cast Iron Body
- Stainless Steel Stem
- Disc: Ductile Iron-Nickel Plated or Stainless Steel
- Fusion Bonded Epoxy Coating
- 200 psi 2"-12" / 150 psi 14"-16"

# WAFER BUTTERFLY VALVES

## WAFER VALVE W/EXT GEAR



Valve Size	Extension Length	Ductile Iron Disc			Stainless Steel Disc		
		Part #	Weight	List	Part #	Weight	List
4"	24"	6-9882	33.5	<b>415.00</b>	9-7360	31.6	<b>462.00</b>
4"	36"	6-9883	37.0	<b>425.00</b>	9-7361	35.1	<b>471.00</b>
4"	48"	6-9884	40.3	<b>465.00</b>	9-7362	38.4	<b>511.00</b>
4"	60"	6-9885	43.6	<b>480.00</b>	9-7363	41.8	<b>527.00</b>
4"	72"	6-9886	46.9	<b>540.00</b>	9-7364	45.1	<b>584.00</b>
6"	24"	8-1380	40.5	<b>499.00</b>	9-7365	39.4	<b>668.00</b>
6"	36"	8-1381	44.3	<b>507.00</b>	9-7366	43.1	<b>677.00</b>
6"	48"	8-1382	47.8	<b>548.00</b>	9-7367	46.7	<b>718.00</b>
6"	60"	8-1383	51.6	<b>594.00</b>	9-7368	50.4	<b>764.00</b>
6"	72"	8-1384	55.1	<b>637.00</b>	9-7369	53.9	<b>807.00</b>
8"	24"	8-1385	61.7	<b>763.00</b>	9-7370	61.7	<b>1,016.00</b>
8"	36"	8-1386	65.7	<b>803.00</b>	9-7371	65.7	<b>1,056.00</b>
8"	48"	8-1387	69.6	<b>830.00</b>	9-7372	69.6	<b>1,083.00</b>
8"	60"	8-1388	73.8	<b>863.00</b>	9-7373	73.8	<b>1,116.00</b>
8"	72"	8-1389	77.8	<b>896.00</b>	9-7374	77.8	<b>1,149.00</b>
10"	24"	8-1390	76.0	<b>899.00</b>	9-7350	76.0	<b>1,411.00</b>
10"	36"	8-1391	80.7	<b>939.00</b>	9-7351	80.7	<b>1,450.00</b>
10"	48"	8-1392	85.1	<b>1,209.00</b>	9-7352	85.1	<b>1,466.00</b>
10"	60"	8-1393	89.7	<b>999.00</b>	9-7353	89.7	<b>1,510.00</b>
10"	72"	8-1394	94.3	<b>1,032.00</b>	9-7354	94.3	<b>1,544.00</b>
12"	24"	8-1395	132.1	<b>1,251.00</b>	9-7355	131.4	<b>1,990.00</b>
12"	36"	8-1396	137.6	<b>1,293.00</b>	9-7356	136.9	<b>2,032.00</b>
12"	48"	8-1397	143.1	<b>1,770.00</b>	9-7357	142.4	<b>2,073.00</b>
12"	60"	8-1398	148.6	<b>1,368.00</b>	9-7358	147.9	<b>2,107.00</b>
12"	72"	8-1399	153.9	<b>1,418.00</b>	9-7359	153.2	<b>2,157.00</b>
14"	24"	9-7375	154.1	<b>1,688.00</b>			
14"	36"	9-7376	159.6	<b>1,730.00</b>			
14"	48"	9-7377	165.1	<b>1,770.00</b>			
14"	60"	9-7378	170.6	<b>1,805.00</b>			
14"	72"	9-7379	175.9	<b>1,854.00</b>			
16"	24"	9-7380	212.7	<b>3,036.00</b>			
16"	36"	9-7381	219.8	<b>3,067.00</b>			
16"	48"	9-7382	226.6	<b>3,184.00</b>			
16"	60"	9-7383	233.7	<b>3,302.00</b>			
16"	72"	9-7384	240.5	<b>3,344.00</b>			

- 2", 2-1/2", 3", and 5", 18", 20" and 24" Valves w/Extensions are also available.
- Measurements are from center of valve to top.
- Call for taller extensions, such as 96".

Fittings

# WAFER BUTTERFLY VALVES

## WAFER VALVE - 2" SQ NUT (STAINLESS STEEL DISC)



Size	Part #	Weight	List
2"	6-9630	17.0	<b>391.00</b>
2-1/2"	6-9631	18.0	<b>405.00</b>
3"	6-9632	18.0	<b>432.00</b>
4"	6-9633	22.0	<b>465.00</b>
5"	6-9634	26.0	<b>520.00</b>
6"	6-9635	37.0	<b>614.00</b>
8"	6-9636	44.0	<b>743.00</b>
10"	6-9637	62.0	<b>999.00</b>
12"	6-9638	77.0	<b>1,258.00</b>

## WAFER VALVE - ELECTRIC



- 110/120 volt (call for 24 volt DC & 50 hz)
- EPDM seat
- Epoxy coated cast iron body

Size	Ductile Iron Disc			Stainless Steel Disc		
	Part #	Weight	List	Part #	Weight	List
2"	9-7474	32.0	<b>1,278.00</b>	6-8082	32.0	<b>1,308.00</b>
2-1/2"	9-7475	33.0	<b>1,289.00</b>	6-8083	33.0	<b>1,332.00</b>
3"	9-7476	33.0	<b>1,297.00</b>	6-8084	33.0	<b>1,350.00</b>
4"	9-7477	39.0	<b>1,839.00</b>	6-8085	39.0	<b>1,901.00</b>
5"	9-7478	42.0	<b>1,870.00</b>	6-8086	42.0	<b>1,933.00</b>
6"	9-7479	59.0	<b>2,198.00</b>	6-8087	59.0	<b>3,441.00</b>
8"	9-7480	68.0	<b>3,012.00</b>	6-8088	68.0	<b>4,336.00</b>
10"	9-7481	90.0	<b>2,873.00</b>	6-8089	90.0	<b>4,497.00</b>
12"	9-7482	105.0	<b>4,071.00</b>	6-8090	105.0	<b>4,744.00</b>

## LEVER HANDLE - WAFER VALVE



- Specify make of valve when ordering

Size	Part #	Weight	List
2"/3"	9-7779	-	<b>30.00</b>
4"	9-7780	-	<b>33.00</b>
5"/6"	9-7781	-	<b>37.00</b>
8"	9-7782	-	<b>46.00</b>
10"	9-7783	-	<b>49.00</b>
12"	9-7784	-	<b>49.00</b>

## INDEX PLATE - WAFER VALVE



- Specify make of valve when ordering

Size	Part #	Weight	List
2"/3"	9-7785	-	<b>6.00</b>
4"/5"/6"	9-7786	-	<b>10.00</b>
8"/10"/12"	9-7787	-	<b>16.00</b>

## HAND WHEEL - WAFER VALVE



- Specify make of valve when ordering

Size	Part #	Weight	List
2"/3"	9-7788	-	<b>18.00</b>
4"	9-7789	-	<b>20.00</b>
5"/6"	9-7790	-	<b>25.00</b>
8"	9-7791	-	<b>42.00</b>
10"	9-7792	-	<b>42.00</b>
12"/14"	9-7793	-	<b>40.00</b>

## GEARBOX WITH WHEEL - WAFER VALVE



- Specify make of valve when ordering

Size	Part #	Weight	List
2"/3"	9-7820	-	<b>122.00</b>
4"	9-7821	-	<b>122.00</b>
5"/6"	9-7822	-	<b>122.00</b>
8"	9-7823	-	<b>212.00</b>
10"	9-7824	-	<b>212.00</b>
12"/14"	9-7825	-	<b>236.00</b>



## ELECTRIC ON/OFF HYDRAULIC WAFER VALVE



Size	Part #	Weight	List
4"	9-7706	-	<b>923.00</b>
6"	9-7707	-	<b>1,435.00</b>
8"	9-7708	-	<b>2,015.00</b>

- Five-Year Diaphragm Warranty
- Hot dipped galvanized and oven baked powder coatings
- Pilot control options: pressure reducing, pressure sustaining and pressure relief
- Electric on/off with Parker Skinner solenoid and manual three-way controller
- Solenoid available in 12v DC, 24v AC, 24v DC or 120v AC
- Available with P-6000 brass pilot
- Bolt Kit Included

## ALFALFA VALVE STUB (FOR PIP PVC PIPE)



Size	Part #	Weight	List
*6"	6-2102	19.0	<b>230.00</b>
8"	6-2103	29.0	<b>235.00</b>
10"	6-2104	40.0	<b>290.00</b>
12"	6-2105	55.0	<b>375.00</b>

- \* Solid Arch
- \* Spigot for PIP PVC Pipe

## UNIVERSAL HYDRANT



Size	Part #	Weight	List
6" x 6"	6-2106	16.0	<b>439.00</b>
8" x 8"	6-2107	23.0	<b>465.00</b>
10" x 10"	6-2108	32.0	<b>570.00</b>
12" x 12"	6-2109	34.0	<b>655.00</b>

Call for other sizes.

## SURGE GATE VALVE



Size	Part #	Weight	List
6"	6-1505	39.0	<b>Call</b>
8"	6-1506	46.0	<b>Call</b>
10"	6-1507	58.0	<b>Call</b>
12"	9-8141	-	<b>Call</b>

Fittings

# STEM GATE VALVE

## THREADED STEM GATE VALVE (BRASS)



Size	Type	Max PSI	Part #	Weight	List
4"	Threaded*	45	6-9890	20.9	<b>320.00</b>
6"	Threaded*	37	6-9891	26.9	<b>479.00</b>

- Includes Handle
- Option: Stainless Steel disc valves can take up to 60psi on 4", 6", & 8" Valves

- Comes in easy to assembly 4 piece construction with high tensile hexagonal bolts and nylock nuts.
- Works as an operating device in the slurry industry, ideal for usage in confined spaces.

## FLANGED STEM GATE VALVE (BRASS)



Size	Type	Max PSI	Part #	Weight	List
4"	4-Bolt Flange*	45	9-5472	19.4	<b>400.00</b>
6"	4-Bolt Flange*	37	9-5473	23.4	<b>490.00</b>
8"	4-Bolt Flange*	22	9-5474	46.4	<b>885.00</b>

- Includes two O-Ring Gaskets
- Includes Handle
- Option: Stainless Steel disc valves can take up to 60psi on 4", 6", & 8" Valves

- Comes in easy to assembly 4 piece construction with high tensile hexagonal bolts and nylock nuts.
- Works as an operating device in the slurry industry, ideal for usage in confined spaces.

## ACCESSORIES - STEM GATE VALVE



<u>Handle:</u>	Size	Part #	Weight	List
	4"	9-6972	-	<b>78.70</b>
	6"	9-6973	6.4	<b>89.70</b>
	8"	9-6974	-	<b>102.90</b>

<u>O-Ring Gasket:</u>	Size	Part #	Weight	List
	4", 6"	9-6970	-	<b>4.00</b>
	8"	9-6971	-	<b>6.00</b>

## THREADED LEVER GATE VALVE (BRASS)



Size	Type	Max PSI	Part #	Weight	List
2"	Threaded	45	9-7702	4.0	<b>95.00</b>
3"	Threaded	45	9-7703	9.0	<b>179.00</b>
4"	Threaded	45	9-7704	15.0	<b>269.00</b>
6"	Threaded	22	9-7705	27.0	<b>470.00</b>

# LOW PRESSURE VALVES

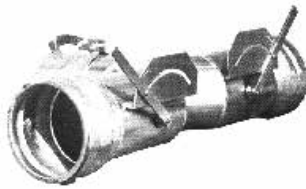
## LOW PRESSURE VALVE (ALUMINUM)

45 psi max pressure



Size	Part #	Weight	List
6"	6-1460	10.0	170.00
8"	6-1461	15.0	210.00
10"	6-1462	20.0	279.00
12"	6-8028	-	381.00

## LOW PRESSURE END TEE VALVE (ALUMINUM)



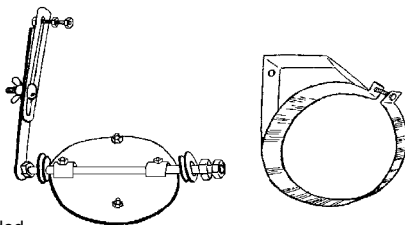
Size	Part #	Weight	List
6"	6-1301	21.0	485.00
8"	6-1302	27.0	590.00
10"	6-1303	34.0	675.00
12"	9-8144	-	790.00

## LOW PRESSURE VALVE (PVC)



Size	Part #	Weight	List
6"	6-1356	-	320.00
8"	6-1357	-	355.00
10"	6-1358	-	400.00
12"	6-1359	-	480.00

## LOW PRESSURE VALVE KIT



Instructions included

Size	Part #	Weight	List
6"	6-1473	-	159.00
8"	6-1474	9.9	166.00
10"	6-1475	-	195.00

## RUBBER MOLDED DISC (FOR LOW PRESSURE VALVE)



Size	Part #	Weight	List
6"	6-1013	4.0	55.00
8"	6-1014	-	68.00
10"	6-1367	6.2	94.00

## RUBBER WASHER (FOR LOW PRESSURE VALVE)



Size	Part #	Weight	List
5/8"	6-1015	-	1.50

## RINGLOCK CHEMIGATION VALVE

(GALVANIZED STEEL)



Includes: 2" ARV, 3/4" nuts & bolts, flange gaskets

Size	Part #	Weight	List
4"	9-6826	51.7	<b>555.00</b>
6"	6-1401	76.6	<b>763.00</b>
8"	6-1402	109.2	<b>953.00</b>
10"	6-1403	148.6	<b>1,139.00</b>
12"	9-6829	216.5	<b>2,569.00</b>

## FLANGE X COUPLER CHEMIGATION VALVE

(GALVANIZED STEEL)



Includes: 2" ARV, 3/4" nuts & bolts, flange gaskets

Size	Part #	Weight	List
4"	9-6824	43.3	<b>475.00</b>
6"	6-1360	64.5	<b>629.00</b>
8"	6-1361	91.8	<b>794.00</b>
10"	6-1362	126.5	<b>917.00</b>
12"	9-6827	174.4	<b>2,329.00</b>

## FLANGED CHEMIGATION VALVE

(GALVANIZED STEEL)



Includes: 2" ARV, & flange gaskets

Size	Part #	Weight	List
3"	9-8524	25.9	<b>531.00</b>
4"	9-6825	34.9	<b>395.00</b>
6"	6-1370	48.2	<b>495.00</b>
8"	6-1371	70.1	<b>635.00</b>
10"	6-1372	94.3	<b>695.00</b>
12"	9-6828	132.2	<b>1,995.00</b>

## INJECTION VALVE

(PVC-MISTER MIST'R)



- 3/4" Male Pipe Thread
- 15 psi release is standard (optional 9, 25, 65 or 80 psi available.)
- Stainless Steel are also available

Size	Part #	Weight	List
3/4" MPT	6-1523	0.1	<b>58.00</b>

## SWING CHECK VALVE - FPT (BRASS)



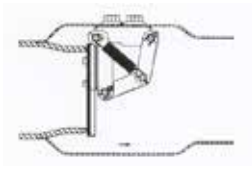
Size	Part #	Weight	List
3"	8-1330	7.3	173.00

## WAFER CHECK VALVE (CAST IRON)



Size	Ductile Iron Disc			Stainless Steel Disc		
	Part #	Weight	List	Part #	Weight	List
2"	9-7483	3.0	150.00	8-1400	3.0	153.00
2 1/2"	9-7484	4.0	167.00	8-1401	4.0	188.00
3"	9-7489	8.0	95.00	6-1770	8.0	115.00
4"	9-7490	13.0	120.00	6-1771	13.0	161.00
6"	9-7491	20.0	192.00	6-1772	20.0	282.00
8"	9-7492	38.0	347.00	6-1773	38.0	474.00
10"	9-7493	58.0	533.00	6-1774	58.0	692.00
12"	9-7494	93.0	748.00	6-1775	93.0	1,290.00
16"	9-7485	140.0	1,410.00	8-1402	140.0	3,069.00
18"	9-7486	400.0	1,235.00	8-1403	300.0	4,315.00
20"	9-7487	500.0	1,380.00	8-1404	400.0	5,276.00
24"	9-7488	500.0	2,055.00	8-1405	500.0	7,886.00

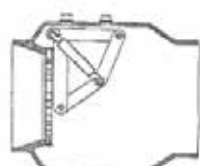
## CHECK VALVE - WELD ON (BLACK STEEL)



Galvanized or Epoxy-coated available at a nominal charge.

Size	Part #	Weight	List
3"	9-8521	7.5	165.00
4"	6-1463	12.0	205.00
5"	6-1464	15.0	230.00
6"	6-1465	16.2	265.00
8"	6-1466	28.2	295.00
10"	6-1467	41.6	320.00
12"	6-1468	68.0	535.00

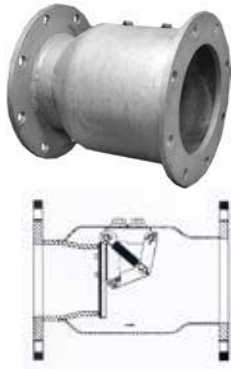
## CHECK VALVE - WELD ON (CAST ALUMINUM)



Size	Part #	Weight	List
4"	6-9682	5.1	175.00
5"	6-9683	6.9	190.00
6"	6-9684	9.3	220.00
8"	6-9685	14.5	300.00
10"	6-9686	19.7	325.00

# CHECK VALVES

## FLANGED CHECK VALVE (GALVANIZED STEEL)



Size	Part #	Weight	List
3"	9-8523	15.5	316.00
4"	6-1710	27.0	384.00
5"	6-1711	29.0	325.00
6"	6-1712	34.1	475.00
8"	6-1713	56.6	560.00
10"	6-1714	73.0	671.00
12"	6-9751	106.0	1,335.00
14"	8-1346	220.0	3,708.00
16"	8-1347	325.0	4,785.00
20"	8-1348	400.0	6,858.00
22"	8-1349	-	3,360.00
24"	8-1350	638.0	8,197.00

## FLANGED CHECK VALVE (CAST ALUMINUM)



Size	Part #	Weight	List
4"	6-9687	13.5	395.00
5"	6-9688	17.3	435.00
6"	6-9689	21.9	475.00
8"	6-9690	30.6	615.00
10"	6-9691	44.3	775.00

## RINGLOCK CHECK VALVE



Includes:

- One Flg x Flg Check Valve
- One Flg x FRL Adapter
- One Flg x MRL Adapter
- Two Flange Bolt Kits and gaskets

Size	Part #	Weight	List
6"	6-1470	35.9	735.00
8"	6-1471	55.0	910.00
10"	6-1472	79.9	1,115.00

## PLATE & SPRING ASSEMBLY

Complete:

Bolt Spacing  
Center to center



Size	Bolt Spacing	Part #	Weight	List
3"	1"	9-8522	-	217.00
	1-1/8"	6-1736	-	307.00
4"	2"	6-1738	-	317.00
	2-1/2"	9-6916	-	110.00
5"	2-1/4"	6-1737	-	414.00
	2-1/2"	9-6917	-	122.00
6"	2-5/16"	6-1733	3.4	389.00
	2-1/2"	6-1500	5.0	319.00
6"	3-1/2"	9-5425	5.0	225.00
	3"	6-1501	10.0	185.00
8"	3-1/2"	6-1731	4.1	175.00
	3-1/2"	9-5427	14.0	385.00
10"	4-1/4"	6-1735	6.8	202.00
	4-1/2"	6-1502	14.0	280.00
12"	4-1/4"	9-7660	-	663.00
	4-1/2"	9-7661	-	315.00

Springs Only:

4"	9-7550	-	8.00
6"	9-7551	-	12.00
8"	9-7619	-	12.00
10"	9-7552	-	13.00

# COMBO VALVES

## WELD -ON COMBO VALVE (GALVANIZED STEEL)



130 maximum psi

Size	Part #	Weight	List
4"	6-1480	18.0	<b>560.00</b>
6"	6-1481	25.0	<b>705.00</b>
8"	6-1482	55.0	<b>915.00</b>
10"	6-1483	77.0	<b>1,235.00</b>
12"	6-1700	108.0	<b>1,070.00</b>

## HOOK STYLE COMBO VALVE (GALVANIZED STEEL)



130 maximum psi

Size	Part #	Weight	List
3"	6-1477	16.0	<b>659.00</b>
4"	6-1478	18.0	<b>705.00</b>
6"	6-1479	26.0	<b>689.00</b>
8"	6-1493	65.0	<b>890.00</b>

## RINGLOCK COMBO VALVE (GALVANIZED STEEL)



130 maximum psi

Size	Part #	Weight	List
4"	6-1476	17.0	<b>595.00</b>
6"	6-1484	27.0	<b>740.00</b>
8"	6-1485	58.0	<b>985.00</b>
10"	6-1486	88.0	<b>1,380.00</b>
12"	6-1701	120.0	<b>1,665.00</b>

## FLANGE COMBO VALVE (GALVANIZED STEEL)



130 maximum psi

Size	Part #	Weight	List
4"	9-8126	-	<b>723.00</b>
6"	6-1487	47.0	<b>970.00</b>
8"	6-1488	85.0	<b>1,315.00</b>
10"	6-1489	113.0	<b>1,515.00</b>
12"	6-1702	166.0	<b>2,300.00</b>

## COMBO VALVE PARTS



Description	Size	Part #	Weight	List
<b>Disc:</b>	4"	9-7770	-	<b>77.00</b>
	6"	6-1490	5.3	<b>102.00</b>
	8"	6-1491	7.8	<b>189.00</b>
	10"	6-1492	9.8	<b>250.00</b>
	12"	9-7771	-	<b>270.00</b>
<b>Packing Ring Set: (2-pieces/set)</b>	4"-6"	9-6815	-	<b>13.50</b>
	8"-12"	9-6816	-	<b>20.00</b>
<b>Packing Nut:</b>	4"-6"	9-7768	-	<b>14.00</b>
	8"-12"	9-7769	-	<b>27.00</b>
<b>Handle:</b>	4"	9-7764	-	<b>94.00</b>
	6"	9-7765	-	<b>103.00</b>
	8"-10"	9-7766	-	<b>136.00</b>
	12"	9-7767	-	<b>145.00</b>
<b>Hinge Pin:</b>	4"	9-7772	-	<b>13.00</b>
	6"	9-7773	-	<b>14.00</b>
	8"-10"	9-7774	-	<b>26.00</b>
	12"	9-7775	-	<b>26.00</b>

Fittings



# INLINE VALVE

## RINGLOCK INLINE VALVE (GALVANIZED STEEL)



150 max. psi on 4", 6", & 8" valves  
80 max psi on 10" valves

Size	Part #	Weight	List
6"	6-1440	19.0	<b>436.00</b>
8"	6-1441	29.0	<b>622.00</b>
10"	6-1442	43.0	<b>853.00</b>

## HOOK STYLE INLINE VALVE (GALVANIZED STEEL)



150 max. psi on 4", 6", & 8" valves  
80 max psi on 10" valves

Size	Part #	Weight	List
4"	6-1450	14.0	<b>380.00</b>
5"	6-1458	15.8	<b>350.00</b>
6"	6-1451	24.0	<b>469.00</b>
8"	6-1452	35.0	<b>636.00</b>
10"	6-1459	41.0	<b>958.00</b>

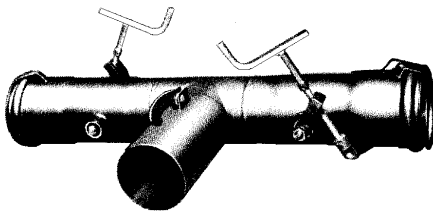
## WELD-ON INLINE VALVE (GALVANIZED STEEL)



150 max. psi on 4", 6", & 8" valves  
80 max psi on 10" valves

Size	Part #	Weight	List
4"	6-1453	12.0	<b>318.00</b>
5"	6-1454	13.5	<b>290.00</b>
6"	6-1455	20.0	<b>389.00</b>
8"	6-1456	31.0	<b>495.00</b>
10"	6-1457	36.0	<b>697.00</b>

## HOOK STYLE INLINE VALVE TEE (GALVANIZED STEEL)

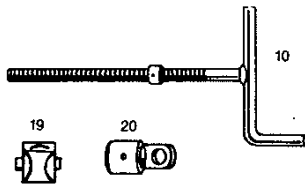
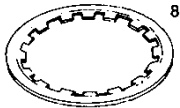
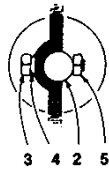
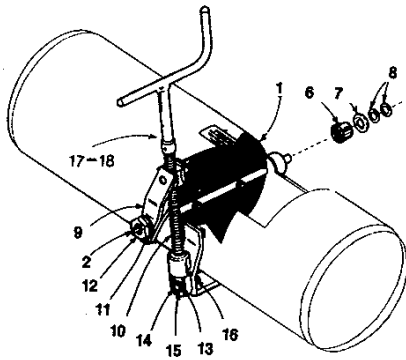


\*Also available in Ringlock  
\*Also available in Line Valve Tees.

150 max. psi on 4", 6", & 8" valves  
80 max psi on 10" valves

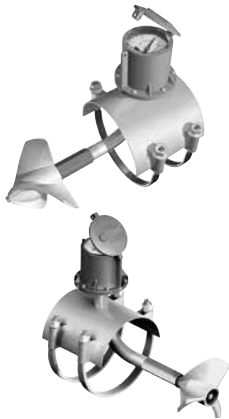
Size	Part #	Weight	List
4"	6-1443	26.0	<b>750.00</b>
5"	6-1444	33.0	<b>850.00</b>
6"	6-1445	47.0	<b>690.00</b>
8"	6-1446	56.0	<b>1,380.00</b>

# INLINE VALVE PARTS



Description	Item #	Size	Part #	Weight	List
	1	4"	6-1495	-	33.00
	1	5"	6-1496	-	38.00
<b>Disc:</b>	1	6"	6-1497	2.3	54.00
	1	8"	6-1498	4.1	86.00
	1	10"	6-1499	5.0	173.00
<b>Shaft:</b>	2	4" (8" Long)	6-4250	-	34.00
	2	5" (9" Long)	6-4251	-	34.00
	2	6" (10" Long)	6-4252	-	54.00
	2	8" (12" Long)	6-4253	-	56.00
	2	10" (14" Long)	6-4254	-	67.00
<b>Hex Bolt: (Req 2, 3 for 10")</b>	3	4"-5"	6-4255	-	1.80
	3	6"-8"	6-4256	-	2.70
	3	10"	6-4257	-	3.00
<b>Washer: (Req 2)</b>	4	4"-5"	6-4258	-	0.80
	4	6"-8"	6-4259	-	0.45
<b>Hex Nut: (Req 2)</b>	5	4"-5"	6-4260	-	0.95
	5	6"-8"	6-4261	-	1.10
<b>Chevron Gasket: (Req 2)</b>	6	4"-5"	6-4262	-	2.40
	6	6"-8"-10"	6-4263	-	3.25
<b>Washer Reducer: (Req 2)</b>	7	4"-5"	6-4264	-	1.10
	7	6"-8"-10"	6-4265	-	1.20
<b>Retainer Ring: (Req 4)</b>	8	4"-5"	6-4266	-	2.40
	8	6"-8"-10"	6-4267	-	2.40
Arm Linkage (Req 2)	9		6-4268	0.2	3.50
Crank Assembly (includes 10, 17, 18, 19, 20)			6-4269	-	82.70
Washer, Star	11		6-4270	-	0.90
Jam Nut	12		6-4271	0.1	1.00
Ferrule SS	13		6-4272	-	0.90
Hex Bolt, Eg.	14		6-4273	-	0.50
Washer SAE	15		6-4274	-	0.45
Hex Nut, 3/8"	16		6-4275	-	0.30
Collar (req 2)	17		6-4276	-	9.10
Roll Pin (req 2)	18		6-4277	-	1.60
Stem & Handle	10		6-4278	-	44.00
Thrust Nut	19		6-4279	-	16.50
Yoke	20		6-4280	0.4	11.50

## BOLT-ON WATER METER



Size	Hole Size	GPM	Part #	Standard		* Reverse Impeller		
				Weight	NET	Part #	Weight	NET
4"	4"	50-900	6-1930	18.0	<b>1,439.00</b>	8-1431	14.0	<b>1,600.00</b>
6"	5"	90-1800	6-1931	22.0	<b>1,498.00</b>	8-1432	19.0	<b>1,658.00</b>
8"	5-1/8"	100-2250	6-1932	26.0	<b>1,581.00</b>	8-1433	23.0	<b>1,739.00</b>
10"	6"	0-2700	6-1933	30.0	<b>1,687.00</b>	8-1434	26.0	<b>1,849.00</b>
12"	7"	0-4000	6-1934	34.0	<b>1,817.00</b>	8-1435	30.0	<b>1,985.00</b>

\* Reverse Impeller Meters are for Liquid waste manure or other surface water applications.

- Above includes an overrun bearing, anti-reverse register & canopy boot for 3-year warranty.
- State wall thickness & O.D. when ordering.
- + or - 2% Accuracy
- (12ga = .072, .064)

## MAG METER (SEAMETRIC)



Size	Model	Max GPM	Part #	Stand Alone		For Pivot Panel		
				Weight	NET	Part #	Weight	NET
6"	AG3000	2891	9-8137	49.0	<b>2,056.00</b>	9-8138	49.0	<b>2,227.00</b>
8"	AG3000	5140	9-8139	70.0	<b>2,370.00</b>	9-8140	70.0	<b>2,541.00</b>
10"	AG3000	8031	9-8135	130.0	<b>2,796.00</b>	9-8136	130.0	<b>2,967.00</b>

- No moving parts or bearings to replace.
- Backed by our industry leading 5-year warranty.
- 4-year battery life with a Free battery replacement.
- Saddle mount option easily replaces dated propeller meters (Call for prices).

## FLO-WISE AG ROTOR



Size	Part #	Weight	NET
6", 8", 10" & 12"	9-7931	-	<b>1,250.00</b>

- Vertical or horizontal installation.
- No Vanes or Flow Conditioners Required.
- Battery operated, 3.6 Volt Lithium batteries (2 included).
- Sensor delivers an accuracy of +/- 2% of reading in a full pipe.
- 2 year manufacturer's warranty. 1 year warranty on replacement rotor.

## COMPONENTS FOR FLO-WISE AG ROTOR



Size	Alum. Weldolet			Steel Weldolet		
	Part #	Weight	NET	Part #	Weight	NET
6"	9-7932	-	<b>70.00</b>	9-7935	-	<b>95.00</b>
8"	9-7933	-	<b>70.00</b>	9-7936	-	<b>95.00</b>
10"	9-7934	-	<b>70.00</b>	9-7937	-	<b>95.00</b>
12"				9-7938	-	<b>95.00</b>

Bolt-on Saddles are also available.



Description	Part #	Weight	List
Battery (2 required)	9-7939	-	<b>15.00</b>
Replacement Rotor	9-7940	-	<b>178.00</b>

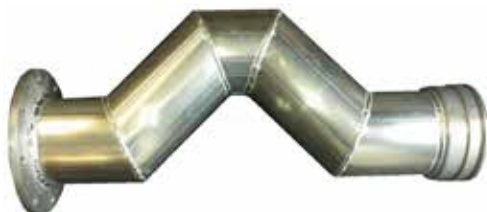
## WATER METER FLOW TUBE (ALUMINUM)



Size	Length	M x F Ringlock			Flange x Flange		
		Part #	Weight	List	Part #	Weight	List
4"	5'	9-5295	8.0	<b>295.00</b>	9-5299	14.2	<b>420.00</b>
6"	7'	9-5296	13.6	<b>350.00</b>	9-5300	22.0	<b>485.00</b>
8"	9'	9-5297	22.7	<b>460.00</b>	9-5301	34.0	<b>635.00</b>
10"	10.5'	9-5298	32.8	<b>580.00</b>	9-5302	51.6	<b>875.00</b>

- Includes straightening vanes
- Also available in Black or Galvanized Steel.
- Call for Custom configurations and lengths.

## BUMP PIPE (FOR WATER METERS)



Bump pipe are used after water meters in flood irrigation applications to ensure a full pipe flow for accurate readings.

- Fabricated to the customer's specifications.
- Available in Aluminum, Galvanized Steel, or Black Steel.
- Please call for pricing.

## STRAIGHTENING VANES (FOR WATER METERS)



OD Pipe Size	Aluminum Weld-in			Steel Weld-in			Steel Bolt-in Tri-Vane		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4"	9-6868	0.5	<b>33.00</b>	9-6877	1.0	<b>45.00</b>	9-6873	-	<b>116.00</b>
6"	9-6869	0.6	<b>35.00</b>	9-6878	2.0	<b>40.00</b>	9-6874	-	<b>123.00</b>
8"	9-6870	1.0	<b>37.00</b>	9-6879	3.0	<b>45.00</b>	9-6875	-	<b>211.00</b>
10"	9-6867	2.0	<b>40.00</b>	9-6876	4.0	<b>50.00</b>	9-6871	-	<b>229.00</b>
12"							9-6872	-	<b>236.00</b>

## STRAIGHTENING VANE (FLOW STRAIGHTENER) (STAINLESS STEEL)



Size	OD Pipe Size			IPS Pipe Size		
	Part #	Weight	<b>NET</b>	Part #	Weight	<b>NET</b>
6"	9-6880	-	<b>370.00</b>	9-6883	-	<b>370.00</b>
8"	9-6881	-	<b>401.00</b>	9-6884	-	<b>401.00</b>
10"	9-6882	-	<b>434.00</b>	9-6885	-	<b>434.00</b>

\* Bolt-on

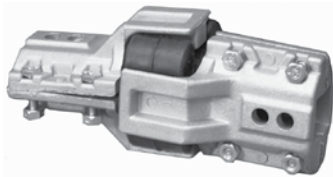
Outside body is NOT included in price.

Flow straightener is a cone-shaped device that sits upstream from the meter and conditions the fluid to remove flow irregularities prior to measurement. The conditioned flow supports high accuracy flow measurement and virtually eliminates the need for space-consuming, costly upstream/downstream straight-pipe runs.

Fittings

# CENTER PIVOT PARTS

## DRIVE COUPLER ASSEMBLY



Size	Style	Part #	Weight	List
1" Round x 1" Square	Old Valley, Gifford Hill	6-1531	2.5	<b>34.00</b>
1" Round x 7/8" Square	New Valley	6-1532	2.5	<b>34.00</b>
1" Round x 3/4" Square	Gifford Hill, Olson, Lindsay, Electrogator	6-1533	2.5	<b>34.00</b>
1" Round w/KW x 3/4" Square	Old Lockwood	6-1534	2.5	<b>34.00</b>
1" Round w/KW x 1" Square	New Lockwood	8-1422	2.5	<b>27.00</b>
1-1/8" Round x 3/4" Square		8-1423	2.5	<b>27.00</b>
1-1/8" Round x 1" Square	Gifford Hill	8-1424	2.5	<b>27.00</b>

Description	Part #	Weight	List
Puck Only	2-0046	-	<b>6.00</b>

Features:

1. Clover leaf style with live rubber insert absorbs shock and reduces wear on drive-line components.
2. Casting design holds bolt in place and requires only one wrench to install.
3. Aluminum alloy and five piece design makes this "U-Joint" easy to install or remove. No more rust.

## UNIVERSAL DRIVE COUPLER ASSEMBLY (CAST ALUM)



Black Max BX



UMC C-X

Description	Part #	Weight	List
Black Max BX	9-8361	-	<b>31.00</b>
UMC C-X	9-8362	-	<b>28.00</b>

Features:

1. Universal Design - Fits 3/4", 7/8" and 1" Square Shafts
2. One Wrench Installation
3. Pre-Assembled

## PIVOT DRAINS



Style	Description	Part #	Weight	List
<b>Quick Drain: (Mushroom)</b>	Lindsay Type, 5-30 psi	2-1184	-	<b>5.00</b>
	Lindsay Type, 20-75 psi	2-1183	-	<b>5.00</b>
<b>Star Drain Valve:</b>	Complete w/Plastic Base	2-1182	-	<b>13.00</b>
	Neoprene Rubber Star	SDRS-1	-	<b>Call</b>

## PIVOT RUBBER BOOT



Description	Size	OD	Part #	Weight	List/ft
4-PLY:	6-5/8" x 16" long	7.01"	6-1535	3.5	<b>46.00/ea</b>
	6 5/8"/foot	7.01"	6-9580	-	<b>38.70</b>
	7"/foot		2-1270	-	<b>100.00</b>
	8"/foot		2-1271	-	<b>48.00</b>
	8-5/8"/foot		2-1272	-	<b>67.00</b>
2-PLY:	6"/foot	6.38"	6-9576	2.0	<b>19.00</b>
	6-5/8"/foot	7.01"	6-9577	2.2	<b>24.00</b>
	8"/foot	8.46"	6-9578	2.9	<b>25.00</b>
	10"/foot	10.63"	6-9579	5.1	<b>44.00</b>

## PIVOT BOOT CLAMP (STAINLESS STEEL)



Size	Part #	Weight	List
4-1/2"	2-1275	-	<b>Call</b>
5"	2-1276	-	<b>Call</b>
6"	2-1278	-	<b>13.00</b>
* 7/8" Wide, Hybrid	*6 5/8"	0.5	<b>14.00</b>
	7"	-	<b>16.00</b>
	8"	0.2	<b>19.00</b>
	8-5/8"	-	<b>16.00</b>
	10"	-	<b>18.00</b>

## PIVOT FLANGE GASKET



Description	Part #	Weight	List
5-9/16"	2-1317	-	<b>4.50</b>
6" (5" id x 8" od)	9-5436	-	<b>10.00</b>
6-5/8" (6-5/8" id x 8" od)	9-5437	-	<b>8.00</b>
8", Lindsay Style	2-1319	-	<b>5.50</b>

## END GUN BOOSTER PUMP (MOTOR & PUMP)



- All Parts are interchangeable with Berkeley Model #C2MPS  
 - With Leeson 2-HP (TEFC) 3-phase Motor, 460 volt

Description	Part #	Weight	List
2-HP, 130 GPM (2-1/2" Suction x 2" Discharge)	2-1106	-	<b>1,066.00</b>

## END GUN BOOSTER PUMP (COMPONENTS)



Description	Part #	Weight	List
Volute Case	2-1115	-	<b>149.30</b>
Motor Bracket	2-1111	-	<b>138.55</b>
Impeller, Cast Iron	2-1113	-	<b>159.50</b>
Impeller, Brass	2-1559	-	<b>Call</b>
Impeller, Stainless Steel	2-1560	-	<b>159.50</b>
Motor Bracket Gasket	2-1110	-	<b>3.85</b>
Volute Gasket	2-1114	-	<b>3.85</b>
Impeller Spacer	2-1561	-	<b>3.85</b>
Mechanical Seal	2-1112	-	<b>24.65</b>
Motor Only, 2-HP, 3-Phase, 460V	2-1118	-	<b>786.00</b>

## PIVOT END GUN VALVE



Description	Part #	Weight	List
3/4"	9-7651	-	<b>120.00</b>
1"	9-7652	-	<b>119.00</b>
2"	9-7653	-	<b>182.00</b>
2" 90°	9-7654	-	<b>182.00</b>

\* Includes automatic drain and plug.

# CENTER PIVOT PARTS

## PIVOT WEIGHT



- Ends of pipe are rounded for attractive appearance and functionality
- Strong UV inhibitors added to weight for longevity

Description	Length	Part #	Weight	List
Polyethylene:	15"	6-9548	1.0	5.00
	20"	6-9549	1.4	5.00
	24"	6-9550	1.5	7.00
	30"	6-9551	2.0	9.00
PVC (FPT x FPT):	10"	6-9552	2.0	9.00
	11"	6-9553	2.0	9.00
	13-3/4"	6-9554	2.5	10.00
	16-1/2"	6-9555	3.1	10.00

## PIVOT DROP ELBOW



Steel Galvanized



PVC, Single



PVC, Double

- U Pipes have 6" radius
- PVC Drop Elbow has strong UV inhibitors for year round use.

Type	Description	Part #	Weight	List
Single, Steel Galv:	3/4", MxF	--	-	Call
	3/4" MxM	--	-	Call
Single, PVC:	125 Degree, 3/4" FPT x Barb	--	-	Call
	125 Degree, 3/4" FxM	--	-	Call
	180 Degree, 3/4" FPT x Barb	--	-	Call
	180 Degree, 3/4" MxF	--	-	Call
	180 Degree, 3/4" MxM	--	-	Call
	180 Degree, 3/4" MPT x Barb	--	-	Call
Double, PVC:	125 Degree, 3/4" FPT x Barb	--	-	Call
	125 Degree, 3/4" FxM	--	-	Call

## DROP RISER (GALVANIZED OR POLY)



- 3/4" MPT x 3/4" FPT



- 3/4" MPT x 3/4" FPT

- Polyethylene Drop Riser Features:**
- Strongest clamp on the market, 100% guaranteed.
  - Strong UV inhibitors for year round use.
  - These heavy duty drops are made from top quality polyethylene materials and the heaviest duty clamp on the market. These drops are engineered to withstand tough use conditions and are perfect for use in areas with corrosive water.

Size	Galvanized			Polyethylene		
	Part #	Weight	List	Part #	Weight	List
24"	--	--	Call	--	--	Call
30"	--	--	Call	--	--	Call
36"	--	--	Call	--	--	Call
42"	--	--	Call	--	--	Call
48"	--	--	Call	--	--	Call
54"	--	--	Call	--	--	Call
60"	--	--	Call	--	--	Call
66"	--	--	Call	--	--	Call
72"	--	--	Call	--	--	Call
78"	--	--	Call	--	--	Call
84"	--	--	Call	--	--	Call
90"	--	--	Call	--	--	Call
96"	--	--	Call	--	--	Call
102"	--	--	Call	--	--	Call
108"	--	--	Call	--	--	Call
114"	--	--	Call	--	--	Call
120"	--	--	Call	--	--	Call



## UNIVERSAL DRIVE GEAR BOX


**Features**

1. Heavy-Duty gearbox with universal mounting.
2. Totally enclosed internal air expansion chamber.
3. High tensile strength worm shaft.
4. Most durable worm gear available.
5. One-piece high strength output shaft.
6. Heavy-duty taper roller bearings.
7. Extreme-duty ductile iron end caps.
8. New self-contained cartridge style input and output shaft seals eliminating oil leaks.
9. Plates seal cover for protection of unused input shaft

Description	Shaft Size	Gear Ratio	Type	Style
<b>Universal Gearbox</b>				
725-U Series	2-1/4" Short	<b>50:1</b>	Non-Tow	Universal
740-U Series	2-1/4" Short	<b>50:1</b>	Non-Tow	Universal
745-U Series	2-1/2" Short	<b>50:1</b>	Non-Tow	Universal
760-U Series	2-1/2" Short	<b>50:1</b>	Non-Tow	Universal
Durst	-	<b>50:1</b>	Non-Tow	Universal
TNT-2-U Series	2-1/4" Short	<b>50:1</b>	Towable	Universal
<b>Valley Style Gearbox</b>				
740-UV Series	2-1/4" Extended	<b>52:1</b>	Non-Tow	Valley
760-UV Series	2-1/2" Long	<b>52:1</b>	Non-Tow	Valley
Durst		<b>52:1</b>	Non-Tow	Valley
TNT-2-U Series	2-1/4" Extended	<b>52:1</b>	Towable	Valley
<b>*** Call For Pricing ***</b>				

## HELICAL GEAR MOTORS & STATOR ASSEMBLIES


**Features**

1. 460/380 Volt, 3 phase motor, 60/50 hz
2. Motor is thermally protected with automatic reset.
3. Class F2 Insulation, UL & CSA Certified.
4. Corrosion resistant finned aluminum motor frame.
5. Aluminum motor frame is sealed at junction points.
6. Integral heat-treated pinion gear on motor shaft.

<b>Complete Helical Gear Motor</b>			
Description	Gear Ratio	Motor HP	RPM
UMC	60:1	<b>3/4 HP</b>	29
UMC	50:1	<b>3/4 HP</b>	35
Durst	50:1	<b>3/4 HP</b>	34
UMC	40:1	<b>3/4 HP</b>	44
Durst	40:1	<b>3/4 HP</b>	43
UMC	30:1	<b>1.5 HP</b>	58
Durst	30:1	<b>1.5 HP</b>	57
UMC	25:1	<b>1.5 HP</b>	68
Durst	25:1	<b>1.5 HP</b>	68
UMC	20:1	<b>1.5 HP</b>	86
Durst	20:1	<b>1.5 HP</b>	86
<b>*** Call For Pricing ***</b>			


**Features**

1. 460/380 Volt, 3 phase motor, 60/50 hz
2. Available in 3/4 and 1-1/2 HP models
3. Class F insulation.
4. Totally interchangeable with Valmont Stators.
5. Includes the 4 mounting bolts, strain relief and wire nuts.
6. Aluminum motor frame resists corrosion.

<b>Replacement Stator</b>		
Description	Style	Motor HP
UMC	Power Saver	<b>3/4 HP</b>
Durst	Lindsay/Emerson	<b>3/4 HP</b>
Durst	Valley	<b>3/4 HP</b>
UMC	Power Saver	<b>1.5 HP</b>
Durst	Lindsay/Emerson	<b>1.5 HP</b>
Durst	Valley	<b>1.5 HP</b>
<b>*** Call For Pricing ***</b>		

# CENTER PIVOT PARTS

## SPLINED GEARMOTOR, GEAR, & MOTOR MODULES (U.S. MOTORS)



Complete Splined Center Drive			
U.S. Motors #	Gear Ratio	Motor HP	RPM
7843	58:1	1 HP	30
A856	47:1	1 HP	37
A799	31:1	1.5 HP	56
*** Call For Pricing ***			

**Features**

1. 460/380 Volt, 3 Phase, 60/50 hz
2. Special CorroGuard insulation for longer motor life.
3. Stainless steel motor frame for corrosion resistance.
4. Motor is thermally protected.
5. Splined motor/gearbox design.



Splined Motor Module		
U.S. Motors #	Motor HP	RPM
A726	1 HP	1750
A728	1.5 HP	1750
*** Call For Pricing ***		

**Features**

1. Top quality gear motor from the most experienced American mfg of center pivot gear motors.
2. Designed to operate in extreme environments. The gear motor has a corrosion resistant housing and incorporates an inherit overload protection for the motor.
3. Simplicity, flexibility and reliability.
4. 100% of all motors are factory tested before packaging.



Splined Gear Module		
U.S. Motors #	Gear Ratio	RPM
A732	58:1	30
A730	47:1	37
A800	31:1	56
*** Call For Pricing ***		

## NEMA 56 C-FACE GEAR BOX & MOTOR

**Features**

1. Universal mounting pattern.
2. Multiple available ratios available.
3. Aluminum gearbox housing.
4. Includes key-way coupling for the motor to gearbox connection.
5. Includes 2 seal savers for the output shafts.
6. High strength aluminum bronze bull gear.



UMC 56 C-Face Gear Box		
UMC #	Gear Ratio	RPM
09333-154A	60:1	29
09333-151A	50:1	35
09333-153A	40:1	43
09333-152A	30:1	58
*** Call For Pricing ***		

**Features**

1. Fits on any NEMA 56 C flanged center drive gearbox
2. Stainless steel motor frame for corrosion resistance.
3. CorroGuard insulation for longer motor life.
4. Motor is thermally protected



UMC 56 C-Face Motor		
Description	Motor HP	RPM
U.S. #5622	1	1800
Bluffton #UF17565	1	1725
UMC	1.5	1725
U.S. #5624	1.5	1800
Bluffton #UF12317	1.5	1725
*** Call For Pricing ***		

## PIVOT TIRE, MACH II (FIBERGLASS)



### Features

1. Superior Traction
2. Will Not Go Flat
3. Chemical, Fertilizer & UV Resistant
4. Less Stress on Drive Train Components
5. Price Comparable
6. Improved Tire Track

Type	Description	Size	Part #	Weight	List
Tire Only:		11.2 x 24	9-7560	76.0	Call
	For 8" Rim	14.9 x 24	9-7561	90.0	Call
	For 10" Rim	14.9 x 24	9-7562	96.0	Call
Tire & Rim:		11.2 x 38	9-7563	96.0	Call
	With 8" Rim	11.2 x 24	9-7564	180.0	Call
	With 8" Rim	14.9 x 24	9-7565	195.0	Call
	With 10" Rim	14.9 x 24	9-7566	205.0	Call
	With 10" Rim	11.2 x 38	9-7567	270.0	Call

## PIVOT OR END TOWER LIGHT KIT



Description	Part #	List
Rough Duty Light Bulb Kit, Complete	2-0536	Call
TOMAR Strobe Light Kit, Complete	2-0538	Call

Universal light kit for installation at the pivot point or end tower. The kit comes complete with the flange adapter, extended gooseneck, shielded cable, globe assembly, and rough duty light assembly or TOMAR strobe light.

### Tomar Pivot Strobe Lights



Type	Description	Part #	List
485 Micro Strobe Light Effective Candela 50 (Screw in Socket)	1.75J Strobe 120V	485S-#-W	Call
	Replacement Bulb	5001-W	Call
	Replacement Lens	470S-L-W	Call
801 Mini I Strobe Light Effective Candela 400 (1/2" FPT)	8 J Strobe 120V	801-110-#-W	Call
	8 J Strobe 12-74VDC	801-1274-#-W	Call
	Replacement Bulb for T801	4001-W	Call
	Replacement Lens	801S-L-W	Call
490 Micro Strobe Light Effective Candela 50 (1/2" FPT)	1.75J Strobe 120V	490S-#-W	Call
	Replacement Bulb	5001-W	Call
	Replacement Lens	470S-L-W	Call
824 Multi Pulse StrobeLight Effective Candela 1200 (1/2" FPT)	23 J Strobe 120V	824-110-#-W	Call
	Replacement Bulb	4001-W	Call
	Replacement Lens	1700-W	Call

"#" Specify Lens Color when ordering (Amber, Blue, Clear, Green, Purple, Red)

### Code 3® Pivot Strobe Lights (3/4" FPT)



Type	Description	Part #	List
LI1HD Ultra Lite® Strobe Light Effective Candela 230	4 Joule HD Strobe 110VAC	L1001#TH-W	Call
	3/4" FPT Pipe Mount Kit	LL1-PMK-W	Call
	Replacement Bulb	T15597-W	Call
	Replacement Lens	LL2-#L-LP-W	Call
LI8HD Astro Flash® Strobe Light Effective Candela 575	15 Joule HD Strobe 110VAC	L8001RTH-W	Call
	Replacement Bulb	T13074-W	Call
	Replacement Lens	T130#-W	Call

"#" Specify Lens Color when ordering (Amber, Blue, Clear, Green, Red)

# CENTER PIVOT SPRINKLERS

## R3000 ROTATOR®



Description	Part #	Weight	List
R3000 Rotator Complete	2-1037	-	Call

\* Indicate 31N Nozzle Size and Plate type when ordering.  
\* The Orange Plate is considered the corn plate.

## A3000 ACCELERATOR



Description	Part #	Weight	List
A3000 Accelerator Complete	2-1050	-	Call

\* Indicate 3TN Nozzle Size and Plate type when ordering.

## D3000 SPRAYHEAD



Description	Part #	Weight	List
D3000 Sprayhead Complete	2-1063	-	Call

\* Indicate 3TN Nozzle Size and Plate type when ordering.

## I-WOB™



Description	Part #	List
Standard-angle 9-groove, Black Deflector	iWobSA9GUP3	Call
Standard-angle 6-groove, Grey Deflector	iWobSA6GUP3	Call
Low-angle 9-groove, Blue Deflector	iWobLA9GUP3	Call
Low-angle 6-groove, Blue Deflector	iWobLA6GUP3	Call
Nozzles, Color Coded (#6-#24)	UP3 Nozzles	Call

\* Indicate UP3 Nozzle Size when ordering.

## XI-WOB™



Description	Part #	List
6-Grooves, 10°, Blue Deflector	XiWob610UP3	Call
6-Grooves, 15°, Black Deflector	XiWob615UP3	Call
9-Grooves, 10°, Grey Deflector	XiWob910UP3	Call
Top-of-Pipe, 6-Grooves, 5°, White Deflector	XiWob605TOPUP3	Call
Nozzles, Color Coded (#7-#24)	UP3 Nozzles	Call

\* Indicate UP3 Nozzle Size when ordering.

## PIVOT-MASTER IMPACT SPRINKLER (6°)



Type	Description	GPM	Nozzle	Part #	List
Single Nozzle	3006H	2.40 - 4.35	#8-9	3006H13/4 M PM	Call
	4006H	3.80 - 7.70	#10-12	4006H13/4 M PM	Call
	5006H	6.20 - 16.00	#13-18	5006H13/4 M PM	Call
Double Nozzle	4006H	4.55 - 15.08	#10-12, #7-12	4006H23/4 M PM	Call
	5006H	12.32 - 30.47	#13-18, #7-18	5006H23/4 M PM	Call

\* Specify Nozzle Size when ordering.  
\* With Brass Swivel & Stem

## PRESSURE REGULATOR UNIVERSAL FLOW



Type	PSI	GPM	Part #	Weight	List
3/4" Barb x Square Thread	6	0.5-8	10167-001	-	Call
	10	0.5-10	10167-002	-	Call
	15	0.5-12	10167-003	-	Call
	20	0.5-12	10167-004	-	Call
	25	0.5-12	10167-005	-	Call
	30	0.5-12	10167-006	-	Call
	40	0.5-12	10167-007	-	Call
	50	0.5-12	10167-008	-	Call



3/4" FPT x Square Thread	6	0.5-8	9572-001	-	Call
	10	0.5-10	9572-002	-	Call
	15	0.5-12	9572-003	-	Call
	20	0.5-12	9572-004	-	Call
	25	0.5-12	9572-005	-	Call
	30	0.5-12	9572-006	-	Call
	40	0.5-12	9572-007	-	Call
	50	0.5-12	9572-008	-	Call



3/4" FPT x FPT	6	0.5-8	9491-001	-	Call
	10	0.5-10	9491-002	-	Call
	15	0.5-12	9491-003	-	Call
	20	0.5-12	9491-004	-	Call
	25	0.5-12	9491-005	-	Call
	30	0.5-12	9491-006	-	Call
	40	0.5-12	9491-007	-	Call
	50	0.5-12	9491-008	-	Call



3/4" FHT x MHT	6	0.5-8	9561-001	-	Call
	10	0.5-10	9561-002	-	Call
	15	0.5-12	9561-003	-	Call
	20	0.5-12	9561-004	-	Call
	25	0.5-12	9561-005	-	Call
	30	0.5-12	9561-006	-	Call
	40	0.5-12	9561-007	-	Call
	50	0.5-12	9561-008	-	Call



3/4" FPT x MHT	6	0.5-8	9581-001	-	Call
	10	0.5-10	9581-002	-	Call
	15	0.5-12	9581-003	-	Call
	20	0.5-12	9581-004	-	Call
	25	0.5-12	9581-005	-	Call
	30	0.5-12	9581-006	-	Call
	40	0.5-12	9581-007	-	Call
	50	0.5-12	9581-008	-	Call

Fittings

# CENTER PIVOT REGULATORS

## PRESSURE REGULATOR HI-FLOW



Type	PSI	GPM	Part #	Weight	List
3/4" FPT x Square Thread	6	0.5-8	9611-001	-	Call
	10	0.5-10	9611-002	-	Call
	15	0.5-12	9611-003	-	Call
	20	0.5-12	9611-005	-	Call
	25	0.5-12	9611-006	-	Call
	30	0.5-12	9611-007	-	Call
	40	0.5-12	9611-008	-	Call
	50	0.5-12	9611-009	-	Call
	3/4" FPT x FPT	6	0.5-8	9071-001	-
10		0.5-10	9071-002	-	Call
15		0.5-12	9071-003	-	Call
20		0.5-12	9071-005	-	Call
25		0.5-12	9071-006	-	Call
30		0.5-12	9071-007	-	Call
40		0.5-12	9071-008	-	Call
50		0.5-12	9071-009	-	Call



## PRESSURE REGULATOR



Type	PSI	Part #	Weight	List
3/4" FPT x 3/4" FPT	15	7-0310	0.4	19.00
	20	7-0311	0.4	19.00
	25	7-0312	0.4	19.00
	30	7-0313	0.4	19.00
	40	7-0314	0.4	19.00
	50	7-0315	0.4	19.00
1-1/4" FPT x 1" FPT	10	7-0316	0.6	39.60
	15	7-0317	0.6	39.60
	20	7-0318	0.6	39.60
	30	7-0319	0.6	39.60
	40	7-0320	0.6	39.60
	50	7-0321	0.6	39.60

Both ends are Female threaded.  
Male available upon request.  
Also available as 1" x 1". Please call for price.



## SCREEN, E-Z

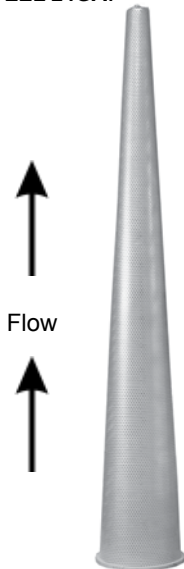


Type	Part #	Weight	List
Square Grid	9-7316	-	2.50
Bar Grid	9-7317	-	2.50

Features:

- Stops Nozzle Plugging on Even the Smallest Nozzles, 3/64" Hose Size
- Self Flushing Design-Never Needs Cleaning
- Can Be Used on Any System
- Two Sizes to Accommodate Nozzle Flow Rates
- Threaded Mounting

## INLINE SCREEN (STAINLESS STEEL 24GA)



Size	Outside Diameter of inlet of Screen			Length	Part #	Weight	List
	BE Bullnose End	RE Rolled End	OE Open End				
2"	2"	2"	2"	18"	6-1513	0.5	100.00
3"	3"	3"	3"	18"	6-1514	0.5	100.00
4"	4"			36"	6-1510-BE	1.3	120.00
4"		3-7/8"		36"	6-1510-RE	1.3	120.00
4"			4"	36"	6-1510-OE	1.3	120.00
5"	4-7/8"			36"	6-1515-BE	2.0	135.00
5"		4-3/4"		36"	6-1515-RE	2.0	135.00
5"			5"	36"	6-1515-OE	2.0	135.00
6"	5-3/4"			36"	6-1511-BE	3.5	150.00
6"		5-5/8"		36"	6-1511-RE	3.5	150.00
6"			6"	36"	6-1511-OE	3.5	150.00
8"	7-3/4"			36"	6-1512-BE	5.0	175.00
8"		7-5/8"		36"	6-1512-RE	5.0	175.00
8"			8"	36"	6-1512-OE	5.0	175.00
10"	9-3/4"			36"	6-1469-BE	7.0	205.00
10"		9-5/8"		36"	6-1469-RE	7.0	140.00
10"			10"	36"	6-1469-OE	7.0	205.00

Features:

- Keeps sprinkler heads from plugging
- Makes couplers easier to connect and disconnect
- Works with large volumes of water up to 1000 gallons per minute.
- Collects large amounts of sand, gravel, and debris without cleaning.
- Hole size = 3/32" (.09375"). Special order available on smaller .05" hole size.

## SCREEN FILTER, GALVANIZED (FLANGE X FLANGE)

Size	GPM	Screen	Part #	Weight	List
8"	1200	1/16"	9-7312	225.0	2,982.00
8"	1200	3/32"	9-7313	225.0	2,804.40
8"	1750	1/16"	9-7314	350.0	5,069.50
8"	1750	3/32"	9-7315	360.0	4,410.50



Fittings



# VALVE STUBS

## WELD-ON VALVE STUB (BLACK & STAINLESS STEEL)



Size	Black Steel			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List
3"	6-1377	2.0	54.00			
4"	6-1414	2.8	40.00	9-8219	2.8	310.00
5"	6-1378	3.8	85.00			
6"	6-1415	5.8	60.00	9-8104	5.8	268.00
8"	6-1416	15.0	220.00	9-8105	15.0	665.00
10"	6-9846	19.0	397.00	9-8106	19.0	1,023.00

## WELD-ON VALVE STUB (CAST ALUMINUM)



Size	Part #	Weight	List
3"	6-1363	3.5	75.00
4"	6-1364	3.5	72.00
5"	6-1365	3.5	115.00
6"	6-1366	4.5	146.00

## WELD-ON VALVE STUB WITH SADDLE (CAST ALUMINUM)



Size	Part #	Weight	List
4" x 4"	6-1373	3.5	72.00
5" x 4"	6-1374	3.5	72.00
6" x 4"	6-1411	3.5	72.00
7" x 4"	6-1375	3.5	72.00
8" x 4"	6-1412	3.5	72.00
10" x 4"	6-1413	3.5	72.00
12" x 4"	6-1376	3.5	76.00

## THREADED VALVE STUB (GALVANIZED STEEL)



Size	Female Threaded			Male Threaded		
	Part #	Weight	List	Part #	Weight	List
2" x 3"	6-1421	4.0	95.00	6-1427	4.0	85.00
3" x 3"	6-1423	4.5	113.00	6-1428	4.5	103.00
3" x 4"	6-1424	5.0	110.00	6-1429	5.0	115.00
4" x 4"	6-1420	6.0	139.00	6-1399	6.0	185.00
6" x 6"	6-1425	8.5	265.00	6-1388	9.0	219.00
8" x 8"	6-1426	28.0	521.00	6-1387	25.0	435.00

## THREADED VALVE STUB (CAST ALUMINUM)



Size	Female Threaded			Male Threaded		
	Part #	Weight	List	Part #	Weight	List
4" x 4"	6-9612	4.5	74.00	6-9613	3.0	95.00
6" x 6"	6-9614	5.0	275.00	6-9615	5.0	290.00

## RISER VALVE DISC



\* Domed

Size	Hole Size	Part #	Weight	List
3"	5/8"	6-1404	0.4	<b>18.00</b>
4"	5/8"	6-1405	0.6	<b>8.00</b>
5"	5/8"	6-1409	1.0	<b>22.00</b>
6"	5/8"	6-1406	1.3	<b>34.00</b>
8"	1"	6-1410	2.5	<b>87.00</b>
10"	1"	9-7546	-	<b>100.00</b>

## RISER VALVE STEM



\* Zinc Plated

Size	Diameter	Length	Part #	Weight	List
4"	5/8"	6-3/4"	6-1407	0.6	<b>8.00</b>
6"	5/8"	9"	6-1408	0.7	<b>13.00</b>
8"	1"	11"	6-1400	2.5	<b>53.00</b>
10"	1"	13"	9-7547	-	<b>65.00</b>

## WELD-ON SADDLE (CAST ALUMINUM)



Size Outlet x Pipe Dia.	Part #	Weight	List
3" x 3"	6-1592	0.4	<b>14.00</b>
3" x 4"	6-1593	0.4	<b>14.00</b>
3" x 5"	6-1594	0.4	<b>14.00</b>
3" x 6"	6-1595	0.4	<b>14.00</b>
4" x 4"	6-1596	0.5	<b>21.00</b>
4" x 5"	6-1597	0.5	<b>21.00</b>
4" x 6"	6-1598	0.5	<b>21.00</b>
4" x 8"	6-1599	0.5	<b>21.00</b>
5" x 5"	6-1600	0.8	<b>39.00</b>
5" x 6"	6-1601	0.8	<b>39.00</b>
5" x 7"	6-1602	0.8	<b>39.00</b>
5" x 8"	6-1603	0.8	<b>39.00</b>
5" x 10"	6-1604	0.8	<b>39.00</b>
6" x 6"	6-1605	1.0	<b>39.00</b>
6" x 8"	6-1606	0.5	<b>39.00</b>
8" x 8"	6-1607	1.0	<b>77.00</b>
10" x 10"	6-1608	1.0	<b>77.00</b>

Fittings

## Call For:

- Flat Discs
- Stainless Steel Stems
- Brass Stems
- 8 Pitch Stems
- Hex Top Stems
- VTC Stems
- RVTc Stems
- Weld-in Spiders
- Replaceable Spiders
- Snap Rings
- Brass Nut

## VALVE OPENER



Cast Alum



Steel Gal.

Also available in Knob style.

Size	Material	Part #	Weight	List
3"	Cast Alum	6-1435	9.0	<b>171.00</b>
4"	Cast Alum	6-1430	10.0	<b>188.00</b>
6"	<b>Steel Gal.</b>	6-1431	15.0	<b>295.00</b>
8"	<b>Steel Gal.</b>	6-1433	27.0	<b>380.00</b>
10"	<b>Steel Gal.</b>	6-9752	34.0	<b>625.00</b>
3" x 2"	Cast Alum	6-1434	8.0	<b>170.00</b>
4" x 2"	Cast Alum	6-1436	10.0	<b>256.00</b>
4" x 3"	Cast Alum	6-1437	10.0	<b>180.00</b>
6" x 4"	<b>Steel Gal.</b>	6-1432	14.0	<b>254.00</b>

## GUN STAND VALVE OPENER



Size	Material	Part #	Weight	List
4" x 3"	Cast Alum	6-1018	13.0	<b>329.00</b>

## VALVE OPENING TEE



Also available in Knob style.

Size	Material	Part #	Weight	List
3" x 2" x 2"	Cast Alum	6-1390	8.0	<b>176.00</b>
3" x 3" x 3"	Cast Alum	6-1391	9.0	<b>177.00</b>
4" x 2" x 2"	Cast Alum	6-1392	10.0	<b>295.00</b>
4" x 3" x 3"	Cast Alum	6-1393	11.0	<b>239.00</b>
4" x 4" x 4"	Cast Alum	6-1394	11.0	<b>269.00</b>
6" x 4" x 4"	<b>Steel Gal.</b>	6-1395	17.0	<b>314.00</b>
6" x 6" x 6"	<b>Steel Gal.</b>	6-1396	18.5	<b>375.00</b>
8" x 6" x 6"	<b>Steel Gal.</b>	6-1397	20.0	<b>525.00</b>
8" x 8" x 8"	<b>Steel Gal.</b>	6-1398	23.0	<b>530.00</b>

## VALVE OPENING PARTS



Roll Pin



5/8" and 7/8"



Yoke



3/4"

Description	Part #	Weight	List
Yoke only	6-1438	0.3	<b>10.00</b>
Roll Pin for Yolk	6-1439	0.0	<b>2.00</b>
* Chevron Gasket - 5/8"	6-1240	-	<b>1.10</b>
**Chevron Gasket - 3/4"	6-1241	-	<b>1.10</b>
Chevron Gasket - 1"	6-1243	-	<b>2.00</b>

\* 5/8" is for Alumax, A&M & Felton.

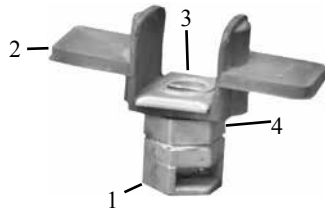
\*\*3/4" is for Ames, Alumax, Bush Hog, Ireco, Pierce, ShurRane & Western.

## INDEPENDENT VALVE TEE (ALUMINUM)



Size	Band & Hook			Ringlock		
	Part #	Weight	List	Part #	Weight	List
4" x 4"	6-1380	6.3	<b>215.00</b>			
6" x 4"	6-1381	9.6	<b>245.00</b>	6-1384	9.0	<b>270.00</b>
8" x 4"	6-1382	11.7	<b>280.00</b>	6-1385	9.9	<b>300.00</b>
8" x 6"				9-8128	-	<b>444.00</b>
10" x 4"	6-1383	13.6	<b>300.00</b>	6-1386	11.7	<b>339.00</b>

## FLAPPER DRAIN GASKET



Description	Postion	Part #	Weight	List
Flapper Drain Gasket	Complete	6-1537	0.4	<b>11.00</b>
Splash Nut	1	6-1813	0.1	<b>3.00</b>
Rubber Flapper	2	6-1810	0.1	<b>1.95</b>
Threaded Insert	3	6-1811	0.1	<b>3.00</b>
Jam Nut	4	6-1812	0.1	<b>2.50</b>

## MUSHROOM DRAIN W/CLIP (WESTERN)



Size	Part #	Weight	List
-	6-1525	0.1	<b>1.60</b>

\* Clip (not pictured) is included

## MUSHROOM DRAIN (AMES)



Size	Part #	Weight	List
-	6-1526	0.1	<b>1.55</b>

## 1" DRAIN VALVE

Description	Connection	Postion	Part #	Weight	List
Pierce	1" MPT x 3/4" Male Hose Thread	#1	8-1447	0.1	<b>13.00</b>
Wade Rain	1" MPT w/Slash Plate	#2	6-1538	0.4	<b>14.00</b>
Waterman	1-1/2" MPT x 3/4" MPT	#3	8-1448	0.2	<b>25.00</b>
Pierce Giant Bridge Drain	1" MPT	#4	9-7701	-	<b>13.00</b>



#1



#2



#3



#4

# COUPLINGS

## WELD-ON HALF COUPLING

(ALUMINUM, BLACK STEEL AND STAINLESS STEEL)



Size	Aluminum			Black Steel			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
1/8"				9-5879	0.0	<b>1.50</b>	9-8151	0.1	<b>2.00</b>
1/4"	9-5303	0.1	<b>9.00</b>	9-5016	0.1	<b>2.00</b>	9-8152	0.1	<b>2.00</b>
3/8"				9-5279	0.0	<b>2.50</b>	9-8153	0.1	<b>2.00</b>
1/2"	9-5304	0.3	<b>9.00</b>	9-5278	0.1	<b>2.50</b>	9-8154	0.1	<b>2.00</b>
3/4"	6-1740	0.3	<b>9.60</b>	6-1586	0.1	<b>2.70</b>	9-8155	0.1	<b>2.00</b>
1"	6-1609	0.3	<b>11.00</b>	6-1669	0.3	<b>4.00</b>	9-8156	0.3	<b>2.50</b>
1-1/4"	6-1585	0.4	<b>13.00</b>	6-1587	0.2	<b>5.00</b>	9-8157	0.3	<b>4.00</b>
1-1/2"	6-1580	0.5	<b>19.00</b>	6-1588	0.3	<b>6.00</b>	9-8158	0.2	<b>5.00</b>
2"	6-1581	1.0	<b>26.00</b>	6-1571	0.5	<b>9.00</b>	9-8159	0.5	<b>6.50</b>
2-1/2"	6-1417	1.0	<b>46.00</b>	6-1589	1.0	<b>20.00</b>	9-8160	1.0	<b>16.00</b>
3"	6-1582	1.4	<b>45.00</b>	6-1572	1.4	<b>16.00</b>	9-8161	1.4	<b>21.00</b>
4"	6-1583	1.5	<b>74.00</b>	6-1573	2.0	<b>48.00</b>	9-8162	2.0	<b>35.00</b>
5"	6-1584	1.5	<b>141.00</b>	6-1574	3.6	<b>95.00</b>			
6"	6-1418	1.6	<b>200.00</b>	6-1575	4.9	<b>113.00</b>			
8"	9-8514	2.4	<b>244.00</b>	6-1576	-	<b>130.00</b>			
10"	9-8515	8.0	<b>306.00</b>	9-5154	-	<b>140.00</b>			

## FULL COUPLING

(BLACK STEEL)



Size	Part #	Weight	List
1/4"	9-5847	0.1	<b>2.50</b>
3/8"	9-5872	0.1	<b>3.00</b>
1/2"	6-9571	0.2	<b>3.00</b>
3/4"	6-9572	0.3	<b>3.50</b>
1"	6-9573	0.4	<b>5.50</b>
1-1/4"	9-5870	0.5	<b>7.00</b>
1-1/2"	9-5869	0.7	<b>9.00</b>
2"	6-9574	1.1	<b>13.00</b>
2-1/2"	9-5871	2.1	<b>31.00</b>
3"	6-9575	3.4	<b>44.00</b>
3-1/2"	9-5873	4.8	<b>136.00</b>
4"	9-5874	4.6	<b>58.00</b>
6"	9-5875	11.3	<b>169.00</b>

## WELD-ON NIPPLE

(ALUMINUM, BLACK STEEL AND STAINLESS STEEL)



Size	Aluminum			Black Steel			Stainless Steel		
	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
1/2"	9-5821	0.2	<b>6.50</b>	9-5820	-	<b>3.00</b>	9-8175	0.1	<b>12.00</b>
3/4"	6-1703	0.2	<b>9.60</b>	6-1539	0.1	<b>2.80</b>	9-8176	0.1	<b>12.00</b>
1"	6-1554	0.3	<b>11.00</b>	6-1540	0.4	<b>3.90</b>	9-8177	0.4	<b>13.00</b>
1-1/4"	6-1555	0.3	<b>13.00</b>	6-1541	0.3	<b>4.70</b>	9-8178	0.3	<b>14.00</b>
1-1/2"	6-1556	0.3	<b>19.00</b>	6-1542	0.4	<b>8.90</b>	9-8179	0.4	<b>15.00</b>
2"	6-1550	0.3	<b>26.00</b>	6-1543	0.6	<b>11.50</b>	9-8180	0.6	<b>22.00</b>
2-1/2"	6-1557	0.4	<b>46.00</b>	6-1548	0.9	<b>14.50</b>	9-8181	0.9	<b>53.00</b>
3"	6-1551	0.6	<b>21.00</b>	6-1544	1.5	<b>21.00</b>	9-8182	1.5	<b>43.00</b>
4"	6-1552	0.9	<b>26.00</b>	6-1545	2.8	<b>31.00</b>	9-8183	2.8	<b>105.00</b>
5"	6-1553	1.1	<b>70.00</b>	6-1549	3.9	<b>50.00</b>	9-8184	3.9	<b>66.00</b>
6"	6-1558	1.4	<b>101.00</b>	6-1546	5.3	<b>65.00</b>	9-8185	5.3	<b>110.00</b>
8"	6-1559	3.0	<b>166.00</b>	6-1547	7.3	<b>110.00</b>	9-8186	7.3	<b>154.00</b>
10"	9-8513	4.2	<b>221.00</b>	6-9660	15.0	<b>172.00</b>	9-8187	15.0	<b>220.00</b>
12"				6-9661	-	<b>220.00</b>	9-8188	20.0	<b>264.00</b>

## WHITE TEFLON TAPE



Size	Part #	Weight	List
1/2" x 520"	9-7543	-	<b>1.60</b>
3/4" x 520"	9-7544	-	<b>2.70</b>
1" x 520"	9-7545	-	<b>3.40</b>

\*Industrial Teflon Thread sealing tape.  
\*Chemically resistant.

## PIPE THREAD COMPOUND



1-Pint    1-Quart    1/2-Pint

Size	Part #	Weight	List
1/2 Pint, 8 Fl. Oz	9-7442	-	<b>12.00</b>
1 Pint, 16 Fl. Oz	9-7443	-	<b>18.00</b>
1 Quart, 32 Fl. Oz	9-7444	-	<b>28.00</b>

Fittings



# NIPPLES, TBE, STEEL BLACK

## Black



### Steel Black Nipples

Steel Black	1/8"		1/4"		3/8"		1/2"		3/4"		1"		1-1/4"	
	Diameter		Diameter		Diameter		Diameter		Diameter		Diameter		Diameter	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
<b>Close</b>	9-6348	\$2.20	9-6365	\$2.60	9-6382	\$2.70	9-6399	\$2.30	9-6416	\$2.60	9-6433	\$3.80	9-6449	\$4.80
<b>1-1/2" Long</b>	9-6349	2.70	9-6366	2.80	9-6383	3.10	9-6400	2.30	9-6417	2.80				
<b>2" Long</b>	9-6350	2.70	9-6367	2.80	9-6384	3.10	9-6401	2.30	9-6418	2.80	9-6434	4.20	9-6450	5.50
<b>2-1/2" Long</b>	9-6351	3.20	9-6368	3.60	9-6385	3.90	9-6402	2.70	9-6419	3.20	9-6435	4.40	9-6451	5.80
<b>3" Long</b>	9-6352	3.20	9-6369	3.60	9-6386	3.90	9-6403	2.70	9-6420	3.20	9-6436	4.40	9-6452	5.80
<b>3-1/2" Long</b>	9-6353	3.80	9-6370	4.20	9-6387	4.60	9-6404	3.20	9-6421	3.90	9-6437	5.50	9-6453	6.90
<b>4" Long</b>	9-6354	3.80	9-6371	4.20	9-6388	4.60	9-6405	3.20	9-6422	3.90	9-6438	5.50	9-6454	6.90
<b>4-1/2" Long</b>	9-6355	7.20	9-6372	6.40	9-6389	6.70	9-6406	3.80	9-6423	5.00	9-6439	6.50	9-6455	8.20
<b>5" Long</b>	9-6356	7.20	9-6373	6.40	9-6390	6.70	9-6407	3.80	9-6424	5.00	9-6440	6.50	9-6456	8.20
<b>5-1/2" Long</b>	9-6357	7.90	9-6374	7.50	9-6391	7.50	9-6408	4.20	9-6425	5.60	9-6441	7.70	9-6457	9.80
<b>6" Long</b>	9-6358	7.90	9-6375	7.50	9-6392	7.50	9-6409	4.20	9-6426	5.60	9-6442	7.70	9-6458	9.80
<b>7" Long</b>	9-6359	10.90	9-6376	11.50	9-6393	13.10	9-6410	7.70	9-6427	9.40	9-6443	12.50	9-6459	15.80
<b>8" Long</b>	9-6360	10.90	9-6377	11.50	9-6394	13.10	9-6411	7.70	9-6428	9.40	9-6444	12.50	9-6460	15.80
<b>9" Long</b>	9-6361	12.50	9-6378	13.60	9-6395	14.70	9-6412	9.20	9-6429	10.90	9-6445	14.70	9-6461	18.90
<b>10" Long</b>	9-6362	12.50	9-6379	13.60	9-6396	14.70	9-6413	9.20	9-6430	10.90	9-6446	14.70	9-6462	18.90
<b>11" Long</b>	9-6363	12.80	9-6380	15.00	9-6397	16.70	9-6414	10.90	9-6431	12.10	9-6447	16.80	9-6463	21.40
<b>12" Long</b>	9-6364	12.80	9-6381	15.00	9-6398	16.70	9-6415	10.90	9-6432	12.10	9-6448	16.80	9-6464	21.40

TBE (threaded both ends)

\*\*\*Stainless Steel also available\*\*\*

### Steel Black Nipples

Steel Black	1-1/2"		2"		2-1/2"		3"		4"		6"		8"	
	Diameter		Diameter		Diameter		Diameter		Diameter		Diameter		Diameter	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
<b>Close</b>	9-6465	\$6.00	9-6481	\$8.20	9-6496	\$25.60	9-6510	\$30.40	9-6524	45.80	9-6537	78.50	9-7696	81.00
<b>1-1/2" Long</b>														
<b>2" Long</b>	9-6466	6.50												
<b>2-1/2" Long</b>	9-6467	7.20	9-6482	9.40										
<b>3" Long</b>	9-6468	7.20	9-6483	9.40	9-6497	26.30	9-6511	33.10						
<b>3-1/2" Long</b>	9-6469	8.10	9-6484	11.40	9-6498	30.90	9-6512	39.20						
<b>4" Long</b>	9-6470	8.10	9-6485	11.40	9-6499	30.90	9-6513	39.20	9-6526	53.00				
<b>4-1/2" Long</b>	9-6471	9.90	9-6486	13.10	9-6500	33.90	9-6514	43.20	9-6527	60.50				
<b>5" Long</b>	9-6472	9.90	9-6487	13.10	9-6501	33.90	9-6515	43.20	9-6528	60.50				
<b>5-1/2" Long</b>	9-6473	11.40	9-6488	15.30	9-6502	35.40	9-6516	46.90	9-6529	64.70				
<b>6" Long</b>	9-6474	11.40	9-6489	15.30	9-6503	35.40	9-6517	46.90	9-6530	64.70	9-6541	102.50	9-7697	109.00
<b>7" Long</b>	9-6475	18.10	9-6490	25.70	9-6504	45.00	9-6518	63.30	9-6531	74.70	9-6542	123.50		
<b>8" Long</b>	9-6476	18.10	9-6491	25.70	9-6505	45.00	9-6519	63.30	9-6532	74.70	9-6543	123.50	9-7698	147.00
<b>9" Long</b>	9-6477	21.10	9-6492	30.20	9-6506	50.60	9-6520	71.10	9-6533	85.10	9-6544	143.00		
<b>10" Long</b>	9-6478	21.10	9-6493	30.20	9-6507	50.60	9-6521	71.10	9-6534	85.10	9-6545	143.00	9-7699	158.00
<b>11" Long</b>	9-6479	24.40	9-6494	34.80	9-6508	56.30	9-6522	78.90	9-6535	99.70	9-6546	168.40		
<b>12" Long</b>	9-6480	24.40	9-6495	34.80	9-6509	56.30	9-6523	78.90	9-6536	99.70	9-6547	168.40	9-7700	188.00

TBE (threaded both ends)

\*\*\*Stainless Steel also available\*\*\*

# NIPPLES, TBE, STEEL GALVANIZED

## Galvanized



### Steel Galvanized Nipples

Steel Galvanized	1/8"		1/4"		3/8"		1/2"		3/4"		1"		1-1/4"	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
<b>Close</b>	9-6548	2.80	9-6565	3.00	9-6582	3.20	9-6599	2.60	9-6616	3.20	9-6633	4.40	9-6649	5.90
<b>1-1/2" Long</b>	9-6549	3.80	9-6566	3.50	9-6583	3.70	9-6600	2.80	9-6617	3.50				
<b>2" Long</b>	9-6550	3.80	9-6567	3.50	9-6584	3.70	9-6601	2.80	9-6618	3.50	9-6634	5.20	9-6650	6.40
<b>2-1/2" Long</b>	9-6551	5.10	9-6568	4.50	9-6585	5.00	9-6602	3.20	9-6619	3.80	9-6635	5.60	9-6651	6.90
<b>3" Long</b>	9-6552	5.10	9-6569	4.50	9-6586	5.00	9-6603	3.20	9-6620	3.80	9-6636	5.60	9-6652	6.90
<b>3-1/2" Long</b>	9-6553	6.00	9-6570	5.50	9-6587	5.90	9-6604	4.00	9-6621	5.00	9-6637	6.70	9-6653	8.20
<b>4" Long</b>	9-6554	6.00	9-6571	5.50	9-6588	5.90	9-6605	4.00	9-6622	5.00	9-6638	6.70	9-6654	8.20
<b>4-1/2" Long</b>	9-6555	10.10	9-6572	7.50	9-6589	8.10	9-6606	4.80	9-6623	5.90	9-6639	8.20	9-6655	10.20
<b>5" Long</b>	9-6556	10.10	9-6573	7.50	9-6590	8.10	9-6607	4.80	9-6624	5.90	9-6640	8.20	9-6656	10.20
<b>5-1/2" Long</b>	9-6557	11.40	9-6574	8.30	9-6591	9.00	9-6608	5.50	9-6625	7.10	9-6641	9.40	9-6657	11.80
<b>6" Long</b>	9-6558	11.40	9-6575	8.30	9-6592	9.00	9-6609	5.50	9-6626	7.10	9-6642	9.40	9-6658	11.80
<b>7" Long</b>	9-6559	15.00	9-6576	14.20	9-6593	14.40	9-6610	9.60	9-6627	12.30	9-6643	15.60	9-6659	19.10
<b>8" Long</b>	9-6560	15.00	9-6577	14.20	9-6594	14.40	9-6611	9.60	9-6628	12.30	9-6644	15.60	9-6660	19.10
<b>9" Long</b>	9-6561	17.60	9-6578	16.50	9-6595	17.20	9-6612	11.40	9-6629	13.70	9-6645	17.80	9-6661	22.90
<b>10" Long</b>	9-6562	17.60	9-6579	16.50	9-6596	17.20	9-6613	11.40	9-6630	13.70	9-6646	17.80	9-6662	22.90
<b>11" Long</b>	9-6563	19.50	9-6580	18.40	9-6597	19.10	9-6614	13.00	9-6631	15.30	9-6647	20.80	9-6663	27.50
<b>12" Long</b>	9-6564	19.50	9-6581	18.40	9-6598	19.10	9-6615	13.00	9-6632	15.30	9-6648	20.80	9-6664	27.50

TBE (threaded both ends)

\*\*\*Stainless Steel also available\*\*\*

### Steel Galvanized Nipples

Steel Galvanized	1-1/2"		2"		2-1/2"		3"		4"		6"	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
<b>Close</b>	9-6665	\$6.90	9-6681	\$9.70	9-6696	\$28.90	9-6710	34.60	9-6724	51.80	9-6737	157.00
<b>1-1/2" Long</b>												
<b>2" Long</b>	9-6666	7.40										
<b>2-1/2" Long</b>	9-6667	8.20	9-6682	10.90								
<b>3" Long</b>	9-6668	8.20	9-6683	10.90	9-6697	30.00	9-6711	39.40				
<b>3-1/2" Long</b>	9-6669	10.40	9-6684	13.20	9-6698	34.80	9-6712	46.20				
<b>4" Long</b>	9-6670	10.40	9-6685	13.20	9-6699	34.80	9-6713	46.20	9-6726	62.00		
<b>4-1/2" Long</b>	9-6671	12.60	9-6686	16.90	9-6700	38.80	9-6714	53.80	9-6727	69.50		
<b>5" Long</b>	9-6672	12.60	9-6687	16.90	9-6701	38.80	9-6715	53.80	9-6728	69.50		
<b>5-1/2" Long</b>	9-6673	14.10	9-6688	19.60	9-6702	42.60	9-6716	56.90	9-6729	76.80		
<b>6" Long</b>	9-6674	14.10	9-6689	19.60	9-6703	42.60	9-6717	56.90	9-6730	76.80	9-6741	204.90
<b>7" Long</b>	9-6675	22.00	9-6690	32.00	9-6704	54.90	9-6718	76.70	9-6731	91.70	9-6742	345.90
<b>8" Long</b>	9-6676	22.00	9-6691	32.00	9-6705	54.90	9-6719	76.70	9-6732	91.70	9-6743	247.00
<b>9" Long</b>	9-6677	25.60	9-6692	37.50	9-6706	62.50	9-6720	87.50	9-6733	106.30	9-6744	286.20
<b>10" Long</b>	9-6678	25.60	9-6693	37.50	9-6707	62.50	9-6721	87.50	9-6734	106.30	9-6745	286.20
<b>11" Long</b>	9-6679	29.30	9-6694	43.00	9-6708	70.00	9-6722	98.40	9-6735	121.00	9-6746	336.70
<b>12" Long</b>	9-6680	29.30	9-6695	43.00	9-6709	70.00	9-6723	98.40	9-6736	121.00	9-6747	336.70

TBE (threaded both ends)

\*\*\*Stainless Steel also available\*\*\*

# NIPPLES, TBE, PVC SCH80



## PVC SCH80 Nipples

PVC SCH80	1/8"		1/4"		3/8"		1/2"		3/4"		1"		1-1/4"	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
Close	9-5966	\$1.70	9-5997	\$1.80	9-6028	\$2.40	9-6059	\$1.60	9-6090	\$1.70	9-6121	\$2.30	9-6151	\$3.30
1-1/2" Long	9-5967	1.70	9-5998	1.80	9-6029	1.80	9-6060	1.60	9-6091	1.70				
2" Long	9-5968	1.90	9-5999	2.20	9-6030	2.40	9-6061	1.70	9-6092	1.70	9-6122	2.50	9-6152	3.40
2-1/2" Long	9-5969	2.00	9-6000	2.70	9-6031	2.90	9-6062	1.70	9-6093	1.90	9-6123	2.60	9-6153	4.10
3" Long	9-5970	2.40	9-6001	2.90	9-6032	2.40	9-6063	1.90	9-6094	1.90	9-6124	2.90	9-6154	3.80
3-1/2" Long	9-5971	2.60	9-6002	3.20	9-6033	3.40	9-6064	1.90	9-6095	2.50	9-6125	4.00	9-6155	4.40
4" Long	9-5972	2.70	9-6003	3.40	9-6034	2.80	9-6065	2.30	9-6096	2.60	9-6126	3.30	9-6156	4.40
4-1/2" Long	9-5973	2.80	9-6004	3.60	9-6035	3.70	9-6066	2.30	9-6097	2.60	9-6127	4.40	9-6157	5.10
5" Long	9-5974	3.00	9-6005	3.70	9-6036	4.10	9-6067	2.50	9-6098	3.20	9-6128	4.00	9-6158	5.40
5-1/2" Long	9-5975	3.20	9-6006	4.20	9-6037	4.30	9-6068	3.60	9-6099	4.30	9-6129	5.00	9-6159	6.00
6" Long	9-5976	3.20	9-6007	4.20	9-6038	4.40	9-6069	2.60	9-6100	3.30	9-6130	4.50	9-6160	5.60
7" Long	9-5977	3.40	9-6008	4.50	9-6039	4.60	9-6070	3.10	9-6101	5.20	9-6131	5.60	9-6161	6.40
8" Long	9-5978	3.80	9-6009	4.80	9-6040	4.90	9-6071	3.30	9-6102	3.80	9-6132	5.30	9-6162	6.80
9" Long	9-5979	4.00	9-6010	4.90	9-6041	5.00	9-6072	4.70	9-6103	6.00	9-6133	6.50	9-6163	7.40
10" Long	9-5980	4.70	9-6011	5.00	9-6042	5.10	9-6073	3.60	9-6104	4.40	9-6134	6.30	9-6164	7.90
11" Long	9-5981	4.80	9-6012	5.20	9-6043	5.40	9-6074	5.20	9-6105	6.30	9-6135	7.60	9-6165	8.50
12" Long	9-5982	5.00	9-6013	5.50	9-6044	5.70	9-6075	4.00	9-6106	5.00	9-6136	7.30	9-6166	8.90
13" Long	9-5983	5.30	9-6014	7.60	9-6045	8.10	9-6076	5.80	9-6107	6.80	9-6137	8.20	9-6167	10.40
14" Long	9-5984	5.80	9-6015	7.60	9-6046	8.40	9-6077	6.00	9-6108	7.00	9-6138	8.80	9-6168	10.70
15" Long	9-5985	7.40	9-6016	8.10	9-6047	8.80	9-6078	6.20	9-6109	7.20	9-6139	9.20	9-6169	11.30
16" Long	9-5986	8.20	9-6017	8.60	9-6048	9.00	9-6079	6.40	9-6110	7.50	9-6140	9.70	9-6170	11.80
17" Long	9-5987	8.50	9-6018	8.90	9-6049	9.40	9-6080	6.70	9-6111	7.80	9-6141	10.10	9-6171	12.20
18" Long	9-5988	8.80	9-6019	9.20	9-6050	9.70	9-6081	7.00	9-6112	8.10	9-6142	10.50	9-6172	12.70
19" Long	9-5989	9.40	9-6020	9.50	9-6051	9.90	9-6082	7.60	9-6113	8.40	9-6143	11.00	9-6173	13.60
20" Long	9-5990	10.00	9-6021	10.20	9-6052	10.20	9-6083	7.40	9-6114	8.70	9-6144	11.40	9-6174	14.10
22" Long	9-5991	10.70	9-6022	10.80	9-6053	11.00	9-6084	7.90	9-6115	9.30	9-6145	12.30	9-6175	15.20
24" Long	9-5992	10.80	9-6023	11.20	9-6054	11.30	9-6085	8.50	9-6116	9.90	9-6146	13.10	9-6176	16.20
30" Long	9-5993	14.80	9-6024	15.00	9-6055	15.20	9-6086	11.90	9-6117	13.70	9-6147	15.90	9-6177	20.70
36" Long	9-5994	17.40	9-6025	18.40	9-6056	20.10	9-6087	13.40	9-6118	16.20	9-6148	18.60	9-6178	23.60
42" Long	9-5995	20.30	9-6026	21.30	9-6057	21.90	9-6088	17.90	9-6119	17.30	9-6149	21.20	9-6179	29.60
48" Long	9-5996	23.20	9-6027	24.00	9-6058	24.80	9-6089	18.80	9-6120	20.10	9-6150	23.80	9-6180	31.20

## TBE (threaded both ends)

### PVC SCH80 Nipples

PVC SCH80	1-1/2"		2"		2-1/2"		3"		4"		6"	
	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
Close	9-6181	\$3.60	9-6211	\$4.70	9-6240	\$16.20	9-6268	\$19.30	9-6296	\$31.60	9-6323	\$34.60
1-1/2" Long												
2" Long	9-6182	4.00										
2-1/2" Long	9-6183	4.50	9-6212	5.80								
3" Long	9-6184	4.50	9-6213	5.60	9-6241	18.40	9-6269	21.10				
3-1/2" Long	9-6185	5.30	9-6214	6.60	9-6242	21.10	9-6270	24.60	9-6297	39.60		
4" Long	9-6186	6.00	9-6215	7.80	9-6243	23.80	9-6271	28.10	9-6298	40.20		
4-1/2" Long	9-6187	6.80	9-6216	8.40	9-6244	25.50	9-6272	30.00	9-6299	41.20	9-6324	49.10
5" Long	9-6188	7.00	9-6217	9.00	9-6245	26.90	9-6273	31.60	9-6300	43.80	9-6325	53.90
5-1/2" Long	9-6189	7.80	9-6218	10.10	9-6246	28.10	9-6274	34.10	9-6301	44.80	9-6326	58.70
6" Long	9-6190	7.30	9-6219	10.40	9-6247	29.40	9-6275	39.40	9-6302	46.90	9-6327	64.10
7" Long	9-6191	8.30	9-6220	11.00	9-6248	31.00	9-6276	41.60	9-6303	51.50	9-6328	73.60
8" Long	9-6192	8.90	9-6221	11.50	9-6249	32.50	9-6277	42.90	9-6304	54.50	9-6329	83.40
9" Long	9-6193	9.80	9-6222	14.40	9-6250	37.60	9-6278	45.10	9-6305	54.80	9-6330	93.00
10" Long	9-6194	10.00	9-6223	15.60	9-6251	39.80	9-6279	49.00	9-6306	58.30	9-6331	103.20
11" Long	9-6195	11.00	9-6224	16.70	9-6252	43.20	9-6280	52.50	9-6307	65.70	9-6332	112.90
12" Long	9-6196	12.10	9-6225	17.90	9-6253	43.50	9-6281	53.40	9-6308	75.90	9-6333	122.50
13" Long	9-6197	13.30	9-6226	18.10	9-6254	46.90	9-6282	55.40	9-6309	78.70	9-6334	132.10
14" Long	9-6198	14.60	9-6227	18.50	9-6255	48.80	9-6283	60.10	9-6310	80.70	9-6335	141.80
15" Long	9-6199	16.10	9-6228	18.60	9-6256	52.50	9-6284	63.80	9-6311	84.40	9-6336	151.40
16" Long	9-6200	16.90	9-6229	19.20	9-6257	56.20	9-6285	67.50	9-6312	88.20	9-6337	161.00
17" Long	9-6201	17.70	9-6230	20.20	9-6258	57.30	9-6286	69.40	9-6313	93.80	9-6338	171.80
18" Long	9-6202	18.50	9-6231	20.60	9-6259	58.30	9-6287	73.10	9-6314	105.80	9-6339	180.20
19" Long	9-6203	18.90	9-6232	21.50	9-6260	62.00	9-6288	84.40	9-6315	106.90	9-6340	191.20
20" Long	9-6204	19.30	9-6233	22.60	9-6261	64.50	9-6289	89.10	9-6316	114.40	9-6341	199.50
22" Long	9-6205	19.80	9-6234	24.40	9-6262	71.70	9-6290	91.00	9-6317	118.10	9-6342	219.70
24" Long	9-6206	20.40	9-6235	26.30	9-6263	73.10	9-6291	100.30	9-6318	125.90	9-6343	239.00
30" Long	9-6207	24.70	9-6236	32.50	9-6264	89.10	9-6292	127.70	9-6319	150.00	9-6344	296.80
36" Long	9-6208	28.00	9-6237	43.20	9-6265	108.80	9-6293	132.10	9-6320	178.20	9-6345	356.00
42" Long	9-6209	33.50	9-6238	52.50	9-6266	125.70	9-6294	155.90	9-6321	207.50	9-6346	413.80
48" Long	9-6210	36.20	9-6239	58.80	9-6267	135.90	9-6295	172.60	9-6322	267.00	9-6347	471.80

**PVC Sch80**



## TBE (threaded both ends)

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

**BUSHING**  
(BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/4" x 1/8"	9-7035	0.1	4.60	9-5479	0.1	6.70
3/8" x 1/8"	9-7210	0.1	4.60	9-5480	0.1	6.70
3/8" x 1/4"	9-7222	0.1	4.60	9-5481	0.1	6.70
1/2" x 1/8"	9-7015	0.1	4.60	9-5482	0.1	6.70
1/2" x 1/4"	9-7013	0.1	4.60	9-5483	0.1	6.70
1/2" x 3/8"	9-7016	0.1	4.60	9-5484	0.1	6.70
3/4" x 1/8"	9-7186	0.2	4.50	9-5485	0.2	6.70
3/4" x 1/4"	9-7199	0.1	4.50	9-5486	0.1	6.90
3/4" x 3/8"	9-7200	0.1	4.50	9-5487	0.1	7.60
3/4" x 1/2"	9-7261	0.1	4.20	8-1214	0.1	6.00
1" x 1/4"	9-6984	0.2	5.60	9-5489	0.2	8.20
1" x 3/8"	9-6987	0.2	5.80	9-5490	0.2	12.80
1" x 1/2"	9-7250	0.2	4.30	8-1215	0.2	7.00
1" x 3/4"	9-7251	0.2	4.30	8-1216	0.2	7.00
1-1/4" x 1/4"	9-7084	0.3	7.30	9-5493	0.3	11.80
1-1/4" x 3/8"	9-7085	0.3	6.50	9-5494	0.3	11.80
1-1/4" x 1/2"	9-7098	0.3	6.20	9-5495	0.3	10.30
1-1/4" x 3/4"	9-7101	0.4	5.60	9-5496	0.4	9.40
1-1/4" x 1"	9-7254	0.3	5.60	8-1217	0.3	9.00
1-1/2" x 1/4"	9-7048	0.4	8.60	9-5498	0.4	15.00
1-1/2" x 3/8"	9-7049	0.2	6.40	9-5499	0.4	12.30
1-1/2" x 1/2"	9-7062	0.4	7.10	9-5500	0.4	13.70
1-1/2" x 3/4"	9-7065	0.4	7.10	9-5501	0.4	13.70
1-1/2" x 1"	9-7252	0.4	6.20	8-1218	0.4	12.00
1-1/2" x 1-1/4"	9-7253	0.3	7.10	8-1219	0.3	11.00
2" x 1/4"	9-7144	0.2	8.30	9-5504	0.5	19.60
2" x 3/8"	9-7128	0.2	8.00	9-5505	0.2	15.70
2" x 1/2"	9-7143	0.5	10.70	9-5506	0.5	17.10
2" x 3/4"	9-7147	0.6	9.00	9-5507	0.6	15.90
2" x 1"	9-7255	1.5	8.50	8-1220	0.6	15.00
2" x 1-1/4"	9-7257	0.7	8.50	8-1221	0.7	15.00
2" x 1-1/2"	9-7256	0.6	9.40	8-1222	0.6	13.00
2-1/2" x 1/2"	9-7150	-	15.40	9-5511	-	24.70
2-1/2" x 3/4"	9-7157	1.0	15.40	9-5512	1.0	24.70
2-1/2" x 1"	9-7148	1.0	15.40	9-5513	1.0	24.70
2-1/2" x 1-1/4"	9-7153	1.0	15.40	9-5514	1.0	24.70
2-1/2" x 1-1/2"	9-7151	1.1	14.30	9-5515	1.1	24.30
2-1/2" x 2"	9-7258	0.9	14.20	8-1223	0.9	21.00
3" x 1/2"	9-7182	1.1	22.70	9-5517	1.1	32.30
3" x 1"	9-7180	1.4	21.20	9-5518	1.4	32.60
3" x 1-1/4"	9-7184	1.5	21.20	9-5519	1.5	32.60
3" x 1-1/2"	9-7183	1.6	20.80	9-5520	1.6	32.00
3" x 2"	9-7259	1.9	19.50	8-1224	1.9	29.00
3" x 2-1/2"	9-7260	1.8	19.80	8-1225	1.8	31.00
3-1/2" x 3"	9-7319	-	37.20	9-5962	2.0	57.00
4" x 1"	9-7234	1.3	30.40	9-5523	2.6	61.70
4" x 1-1/4"	9-7236	1.2	30.40	9-5524	2.7	61.70
4" x 1-1/2"	9-7235	1.2	30.40	9-5525	2.8	61.70
4" x 2"	9-7237	2.6	38.60	9-5526	2.6	60.30
4" x 2-1/2"	9-7238	3.0	38.60	9-5527	3.0	68.40
4" x 3"	9-7262	1.7	38.60	6-1760	2.8	64.00
6" x 2"	9-7320	-	101.90	9-5963	6.2	130.00
6" x 3"	9-7321	-	101.90	9-5964	6.6	134.00
6" x 4"	9-7322	-	101.90	9-5965	6.8	131.00

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

Fittings

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)



## 45° ELBOW (BLACK OR GALVANIZED STEEL)



Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7038	0.1	5.30	9-5579	0.1	7.20
1/4"	9-7024	0.1	5.40	9-5580	0.1	6.40
3/8"	9-7212	0.1	4.90	9-5581	0.1	6.30
1/2"	9-7264	0.2	4.20	8-1227	0.2	5.00
3/4"	9-7270	0.3	5.20	8-1228	0.3	7.00
1"	9-7263	0.5	6.60	8-1229	0.3	8.00
1-1/4"	9-7266	0.8	11.50	8-1230	0.8	14.00
1-1/2"	9-7265	1.0	14.20	8-1231	1.0	17.00
2"	9-7297	2.4	29.00	8-1232	1.6	25.00
2-1/2"	9-7268	2.9	60.40	8-1233	2.9	86.00
3"	9-7269	4.2	78.40	8-1234	4.2	125.00
4"	9-7271	7.0	152.30	8-1235	7.0	210.00
6"	9-7241	16.5	518.90	9-5591	16.5	734.40

## 90° ELBOW (BLACK OR GALVANIZED STEEL)



Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7042	0.1	3.60	9-5566	0.1	5.00
1/4"	9-7028	0.1	3.50	9-5567	0.1	4.70
3/8"	9-7216	0.2	3.50	9-5568	0.2	4.70
1/2"	9-7273	0.2	2.60	8-1237	0.2	3.00
3/4"	9-7276	0.4	3.10	8-1238	0.4	4.00
1"	9-7272	0.6	5.50	8-1239	0.6	7.00
1-1/4"	9-7275	0.9	8.90	8-1240	0.9	11.00
1-1/2"	9-7274	1.1	11.80	8-1241	1.1	14.00
2"	9-7247	1.8	20.20	6-1761	1.8	24.00
2-1/2"	9-7323	-	43.70	6-1762	3.4	60.00
3"	9-7248	5.0	65.20	6-1763	5.0	100.00
4"	9-7249	8.9	138.70	6-1764	8.9	173.00
6"	9-7244	20.7	518.90	9-5578	20.7	734.40

## TEE (BLACK OR GALVANIZED STEEL)



Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7046	0.1	5.50	9-5776	0.1	7.10
1/4"	9-7033	0.1	5.20	9-5777	0.1	6.20
3/8"	9-7220	0.2	5.20	9-5778	0.2	6.20
1/2"	9-7294	0.3	3.40	8-1243	0.3	4.00
3/4"	9-7300	0.5	4.80	8-1244	0.5	6.00
1"	9-7293	0.8	8.50	8-1245	0.8	10.00
1-1/4"	9-7296	1.2	13.70	8-1246	1.2	17.00
1-1/2"	9-7295	1.6	17.10	8-1247	1.6	21.00
2"	9-7297	2.4	29.00	8-1248	2.4	34.00
2-1/2"	9-7298	4.5	59.70	8-1249	4.5	92.00
3"	9-7299	6.5	89.50	8-1250	6.5	108.00
4"	9-7301	11.3	210.20	8-1251	11.3	256.00
6"	9-7246	27.0	600.60	9-5788	27.0	734.50

## LOCKNUT (BLACK OR GALVANIZED STEEL)



Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/4"	9-7029	-	2.60	9-5598	-	2.70
1/2"	9-7008	0.0	3.10	9-5599	0.1	3.40
3/4"	9-7193	0.1	3.40	9-5600	0.1	3.90
1"	9-6995	0.1	6.40	9-5601	0.1	7.30
1-1/4"	9-7092	0.1	5.30	9-5602	0.2	6.70
1-1/2"	9-7056	0.2	7.40	9-5603	0.3	8.70
2"	9-7134	0.3	12.30	9-5604	0.4	15.40
2-1/2"	9-7161	-	13.10	9-5605	-	7.40



# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

## REDUCING COUPLING (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/4" x 1/8"	9-7036	0.1	4.20	9-5619	0.1	5.20
3/8" x 1/8"	9-7211	0.1	4.20	9-5620	0.1	5.20
3/8" x 1/4"	9-7289	0.1	4.20	8-1253	0.1	5.00
3/8" x 1/2"	9-7288	0.1	3.60	8-1254	0.1	4.00
1/2" x 1/8"	9-7002	0.1	4.20	9-5622	0.1	5.80
1/2" x 1/4"	9-7014	0.1	3.80	9-5623	0.1	4.70
1/2" x 3/8"	9-7017	0.1	3.60	9-5624	0.1	4.40
3/4" x 1/8"	9-7187	0.2	4.90	9-5625	0.2	6.00
3/4" x 1/4"	9-7185	0.2	4.70	9-5626	0.2	5.90
3/4" x 3/8"	9-7201	0.2	4.70	9-5627	0.2	5.90
3/4" x 1/2"	9-7324	-	4.20	9-5959	0.2	5.00
1" x 1/4"	9-6985	0.3	7.30	9-5629	0.3	10.40
1" x 3/8"	9-6988	0.3	7.50	9-5630	0.3	10.60
1" x 1/2"	9-7277	0.3	6.40	8-1256	0.3	9.00
1" x 3/4"	9-7278	0.4	6.40	8-1255	0.4	8.00
1-1/4" x 3/8"	9-7086	-	6.40	9-5633	0.5	10.00
1-1/4" x 1/2"	9-7097	0.5	9.30	9-5634	0.5	13.60
1-1/4" x 3/4"	9-7103	0.5	8.00	9-5635	0.5	11.00
1-1/4" x 1"	9-7281	0.6	8.00	8-1257	0.6	11.00
1-1/2" x 3/8"	9-7050	-	8.10	9-5637	0.6	17.90
1-1/2" x 1/2"	9-7061	0.6	11.80	9-5638	0.6	16.00
1-1/2" x 3/4"	9-7067	0.7	13.30	9-5639	0.7	14.10
1-1/2" x 1"	9-7279	0.8	11.80	8-1258	0.8	14.00
1-1/2" x 1-1/4"	9-7280	0.8	10.10	8-1259	0.8	13.00
2" x 1/2"	9-7139	1.0	19.20	9-5642	1.0	23.00
2" x 3/4"	9-7141	1.0	16.90	9-5643	1.0	23.00
2" x 1"	9-7282	1.0	16.00	8-1260	1.0	19.00
2" x 1-1/4"	9-7284	1.1	16.90	8-1261	1.1	20.00
2" x 1-1/2"	9-7283	1.2	14.80	8-1262	1.2	19.00
2-1/2" x 1"	9-7149	-	32.00	9-5960	1.8	59.00
2-1/2" x 1-1/4"	9-7154	1.8	42.90	9-5648	1.8	59.50
2-1/2" x 1-1/2"	9-7152	1.9	43.90	9-5649	1.9	60.70
2-1/2" x 2"	9-7285	2.1	37.60	8-1263	2.1	60.00
3" x 1"	9-7181	2.5	59.80	9-5651	2.5	80.60
3" x 1-1/4"	9-7325	-	59.80	9-5961	2.6	81.00
3" x 1-1/2"	9-7171	2.7	58.70	9-5652	2.7	79.10
3" x 2"	9-7286	2.8	48.60	8-1264	2.8	75.00
3" x 2-1/2"	9-7287	3.1	58.70	8-1265	3.1	79.00
4" x 2"	9-7290	4.3	117.60	8-1266	4.3	171.00
4" x 2-1/2"	9-7291	4.8	117.60	8-1267	4.8	171.00
4" x 3"	9-7292	5.4	117.60	8-1268	5.4	171.00
6" x 3"	9-7239	9.4	294.40	9-5658	9.4	420.40
6" x 4"	9-7240	10.0	294.40	9-5659	10.0	420.40

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

## COUPLING (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7040	0.1	5.10	9-5529	0.1	5.90
1/4"	9-7026	0.1	4.30	9-5530	0.1	5.50
3/8"	9-7214	0.1	4.30	9-5531	0.1	5.50
1/2"	9-7006	0.2	3.50	9-5532	0.2	4.40
3/4"	9-7191	0.3	4.20	9-5533	0.3	5.10
1"	9-6993	0.4	6.30	9-5534	0.4	8.40
1-1/4"	9-7089	0.7	8.00	9-5535	0.7	11.60
1-1/2"	9-7053	0.9	10.70	9-5536	0.9	13.20
2"	9-7131	1.3	15.60	9-5537	1.3	19.30
2-1/2"	9-7159	2.3	42.60	9-5538	2.3	58.80
3"	9-7176	3.4	57.50	9-5539	3.4	78.60
4"	9-7229	5.6	114.80	9-5540	5.6	166.90
6"	9-7243	-	307.80	9-5541	11.8	435.20

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*



# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

## 90° REDUCING ELBOW (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/4" x 1/8"	9-7037	0.1	6.80	9-5660	0.1	8.00
3/8" x 1/4"	9-7223	0.1	5.00	9-5661	0.1	7.10
1/2" x 1/4"	9-7023	0.2	4.90	9-5662	0.2	5.90
1/2" x 3/8"	9-7018	0.2	4.70	9-5663	0.2	5.50
3/4" x 1/4"	9-7204	0.2	6.50	9-5664	0.2	8.40
3/4" x 3/8"	9-7209	0.3	6.50	9-5665	0.3	8.40
3/4" x 1/2"	9-7198	0.2	4.90	9-5666	0.3	6.40
1" x 3/8"	9-6989	0.2	9.30	9-5667	0.4	12.00
1" x 1/2"	9-7000	0.4	6.70	9-5668	0.4	8.60
1" x 3/4"	9-7001	0.5	6.30	9-5669	0.5	8.20
1-1/4" x 1/2"	9-7099	0.6	13.60	9-5670	0.6	16.70
1-1/4" x 3/4"	9-7102	0.6	11.60	9-5671	0.6	16.40
1-1/4" x 1"	9-7096	0.8	10.20	9-5672	0.8	13.70
1-1/2" x 1/2"	9-7063	0.7	17.10	9-5673	0.7	21.40
1-1/2" x 3/4"	9-7066	0.7	16.80	9-5674	0.7	21.00
1-1/2" x 1"	9-7060	0.9	16.80	9-5675	0.9	21.00
1-1/2" x 1-1/4"	9-7064	1.1	16.80	9-5676	1.1	21.00
2" x 1/2"	9-7140	0.9	24.60	9-5677	0.9	29.80
2" x 3/4"	9-7142	1.1	24.60	9-5678	1.1	29.80
2" x 1"	9-7138	1.3	24.20	9-5679	1.3	29.20
2" x 1-1/4"	9-7146	1.4	24.20	9-5680	1.4	29.20
2" x 1-1/2"	9-7145	1.6	21.20	9-5681	1.6	25.50
2-1/2" x 1-1/2"	9-7166	2.2	59.20	9-5682	2.2	93.30
2-1/2" x 2"	9-7155	2.5	58.20	9-5683	2.5	83.10
3" x 2"	9-7326	-	94.10	9-5943	3.3	131.00
3" x 2-1/2"	9-7327	-	94.10	9-5944	4.1	131.00
4" x 3"	9-7328	-	161.20	9-5945	6.7	255.00

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

## 90° STREET ELBOW (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7044	0.1	5.20	9-5751	0.1	6.70
1/4"	9-7031	0.1	5.20	9-5752	0.1	6.50
3/8"	9-7218	0.1	5.20	9-5753	0.1	6.50
1/2"	9-7010	0.2	5.40	9-5754	0.2	6.70
3/4"	9-7195	0.3	5.20	9-5755	0.3	6.50
1"	9-6997	0.5	7.50	9-5756	0.5	8.90
1-1/4"	9-7094	0.8	11.50	9-5757	0.8	14.90
1-1/2"	9-7058	1.1	15.40	9-5758	1.1	18.40
2"	9-7136	1.8	24.90	9-5759	1.8	31.80
2-1/2"	9-7163	3.3	61.50	9-5760	3.3	86.30
3"	9-7178	4.9	93.80	9-5761	4.9	130.30
4"	9-7232	9.2	152.80	9-5762	9.2	215.10

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

## 45° STREET ELBOW (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7045	0.1	8.10	9-5763	0.1	9.30
1/4"	9-7032	0.1	6.10	9-5764	0.1	8.00
3/8"	9-7219	0.1	6.90	9-5765	0.1	9.10
1/2"	9-7004	0.2	5.50	9-5766	0.2	7.00
3/4"	9-7189	0.3	8.50	9-5767	0.3	11.40
1"	9-6991	0.5	9.90	9-5768	0.5	14.10
1-1/4"	9-7087	0.7	17.10	9-5769	0.7	21.10
1-1/2"	9-7051	0.9	21.20	9-5770	0.9	25.60
2"	9-7129	1.5	35.70	9-5771	1.5	43.90
2-1/2"	9-7164	2.6	76.00	9-5772	2.6	103.30
3"	9-7329	-	116.40	9-5941	3.9	154.00
4"	9-7330	-	218.00	9-5942	7.0	251.00

Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

## REDUCING TEE (BLACK OR GALVANIZED STEEL)



Left, Right, Top Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
3/8 x 3/8 x 1/4	9-7224	-	6.30	9-5684	-	8.20
1/2 x 1/2 x 1/4	9-7020	0.2	5.70	9-5685	0.1	7.30
1/2 x 1/2 x 3/8	9-7022	0.3	7.20	9-5686	0.1	9.30
1/2 x 1/2 x 3/4	9-7021	0.4	8.40	9-5687	0.2	10.10
1/2 x 1/2 x 1	9-7019	0.5	12.20	9-5688	0.3	17.10
3/4 x 1/2 x 1/2	9-7202	0.4	7.70	9-5689	0.2	10.10
3/4 x 1/2 x 3/4	9-7203	0.5	8.50	9-5690	0.2	10.10
3/4 x 1/2 x 1	9-7331	-	8.50	9-5949	-	15.00
3/4 x 3/4 x 1/4	9-7207	0.4	8.10	9-5691	0.2	9.20
3/4 x 3/4 x 3/8	9-7208	0.4	8.60	9-5692	0.2	9.20
3/4 x 3/4 x 1/2	9-7206	0.5	7.40	9-5693	0.2	8.80
3/4 x 3/4 x 1	9-7205	0.6	10.70	9-5694	0.3	16.90
1 x 1/2 x 1/2	9-7116	0.5	10.70	9-5695	0.3	14.90
1 x 1/2 x 3/4	9-7117	0.6	12.50	9-5696	0.3	15.20
1 x 1/2 x 1	9-7115	0.7	10.70	9-5697	0.4	14.90
1 x 3/4 x 1/2	9-7120	0.6	10.60	9-5698	0.3	15.10
1 x 3/4 x 3/4	9-7121	0.6	9.90	9-5699	0.3	14.90
1 x 3/4 x 1	9-6986	0.7	10.70	9-5700	0.4	14.90
1 x 1 x 1/4	9-6982	0.5	10.30	9-5701	0.3	15.00
1 x 1 x 1/2	9-6981	0.6	9.40	9-5702	0.3	12.40
1 x 1 x 3/4	9-6983	0.7	9.40	9-5703	0.4	12.40
1 x 1 x 1-1/4	9-7119	1.0	19.90	9-5704	0.5	23.70
1 x 1 x 1-1/2	9-7118	1.1	29.70	9-5705	0.6	40.30
1 x 1 x 2	9-7332	-	36.40	9-5950	-	47.00
1-1/4 x 1/2 x 1-1/4	9-7100	0.9	19.50	9-5706	0.5	23.30
1-1/4 x 3/4 x 1/2	9-7113	0.4	13.40	9-5707	0.4	16.00
1-1/4 x 3/4 x 3/4	9-7105	0.7	19.50	9-5708	0.4	25.50
1-1/4 x 3/4 x 1	9-7104	0.5	16.40	9-5709	0.5	22.10
1-1/4 x 3/4 x 1-1/4	9-7114	1.0	17.70	9-5710	0.5	22.00
1-1/4 x 1 x 1/2	9-7110	0.4	16.40	9-5711	0.4	21.00
1-1/4 x 1 x 3/4	9-7112	0.9	17.10	9-5712	0.4	23.30
1-1/4 x 1 x 1	9-7083	1.0	17.10	9-5713	0.5	23.30
1-1/4 x 1 x 1-1/4	9-7111	1.1	19.90	9-5714	0.6	23.70
1-1/4 x 1 x 1-1/2	9-7333	-	23.30	9-5951	-	29.00

Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

Left, Right, Top Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1-1/4x1-1/4x3/8	9-7109	0.4	15.40	9-5715	0.4	18.30
1-1/4x1-1/4x1/2	9-7107	0.9	17.10	9-5716	0.4	20.30
1-1/4x1-1/4x3/4	9-7108	0.9	15.00	9-5717	0.5	19.10
1-1/4x1-1/4x1	9-7106	1.1	15.00	9-5718	0.6	19.10
1-1/4x1-1/4x1-1/2	9-7334	-	23.30	9-5952	-	30.00
1-1/4x1-1/4x2	9-7335	-	36.40	9-5953	-	47.00
1-1/2x1/2x1	9-7068	0.7	20.60	9-5719	0.7	23.70
1-1/2x1/2x1-1/2	9-7069	0.7	21.00	9-5720	0.7	29.10
1-1/2x3/4x1-1/2	9-7082	1.3	23.30	9-5721	0.7	29.30
1-1/2x1x3/4	9-7081	0.6	16.00	9-5722	0.6	20.20
1-1/2x1x1	9-7079	1.1	23.30	9-5723	0.6	29.30
1-1/2x1x1-1/2	9-7080	1.4	23.30	9-5724	0.7	29.30
1-1/2x1-1/4x1/2	9-7076	0.6	28.50	9-5725	0.6	37.00
1-1/2x1-1/4x1	9-7075	1.2	20.00	9-5726	0.6	28.80
1-1/2x1-1/4x1-1/4	9-7078	1.3	31.50	9-5727	0.7	41.00
1-1/2x1-1/4x1-1/2	9-7077	1.4	31.50	9-5728	0.7	41.00
1-1/2x1-1/2x1/2	9-7071	1.1	20.00	9-5729	0.6	25.10
1-1/2x1-1/2x3/4	9-7074	1.2	18.90	9-5730	0.6	23.70
1-1/2x1-1/2x1	9-7070	1.3	18.90	9-5731	0.7	23.70
1-1/2x1-1/2x11/4	9-7072	1.4	23.30	9-5732	0.8	29.30
1-1/2x1-1/2x2	9-7073	1.9	36.40	9-5733	1.0	41.50
2x1/2x1-1/4	9-7336	-	35.70	9-5956	-	41.00
2x1/2x2	9-7124	2.0	36.40	9-5734	1.0	41.50
2x1x1	9-7122	0.8	25.00	9-5735	0.8	28.50
2x1x2	9-7123	2.1	36.40	9-5736	1.1	41.50
2x1-1/4x1-1/4	9-7337	-	36.40	9-5954	-	41.00
2x1-1/2x1	9-7338	-	35.70	9-5955	-	41.00
2x1-1/2x1-1/2	9-7168	1.9	31.30	9-5737	1.1	40.20
2x2x1/2	9-7127	1.5	29.60	9-5738	0.9	38.40
2x2x3/4	9-7170	1.7	29.60	9-5739	0.9	34.60
2x2x1	9-7169	1.8	29.60	9-5740	1.0	34.60
2x2x1-1/4	9-7126	2.0	31.30	9-5741	1.1	40.20
2x2x1-1/2	9-7125	1.1	28.30	9-5742	1.1	36.30
2x2x2-1/2	9-7339	-	77.80	9-5958	-	121.00
2-1/2x2-1/2x1	9-7167	1.6	70.10	9-5743	1.6	99.70
2-1/2x2-1/2x2	9-7156	3.6	77.60	9-5744	1.8	110.30
3x3x1/2	9-7173	1.8	110.50	9-5745	1.8	107.50
3x3x1	9-7172	4.0	103.60	9-5746	2.0	149.70
3x3x1-1/4	9-7340	-	105.60	9-5947	-	153.00
3x3x1-1/2	9-7225	4.5	103.60	9-5747	2.4	149.70
3x3x2	9-7174	5.0	103.60	9-5748	2.7	149.70
4x4x1	9-7341	-	268.90	9-5948	-	320.00
4x4x2	9-7226	4.0	209.80	9-5749	4.0	289.00
4x4x3	9-7227	-	189.40	9-5750	-	270.50

Fittings

## STREET TEE (BLACK OR GALVANIZED STEEL)



Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/2"	9-7011	0.2	11.00	9-5773	0.3	16.60
3/4"	9-7196	0.3	14.90	9-5774	0.5	18.00
1"	9-6998	0.4	19.60	9-5775	0.8	28.40

Class 150 Pounds  
\*\*\*Stainless Steel also available\*\*\*

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

## CROSS (BLACK OR GALVANIZED STEEL)



Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7041	0.1	12.50	9-5555	0.1	15.80
1/4"	9-7027	0.2	10.60	9-5556	0.2	15.80
3/8"	9-7215	0.3	10.80	9-5557	0.3	15.80
1/2"	9-7007	0.4	12.30	9-5558	0.4	15.80
3/4"	9-7192	0.6	15.00	9-5559	0.6	19.30
1"	9-6994	0.9	18.50	9-5560	0.9	26.60
1-1/4"	9-7090	1.5	30.00	9-5561	1.5	38.50
1-1/2"	9-7054	1.9	37.20	9-5562	1.9	46.70
2"	9-7132	2.9	61.50	9-5563	2.9	89.10
2-1/2"	9-7160	-	81.00	9-5564	5.1	153.60
4"	9-7230	-	224.10	9-5565	12.6	418.00

## UNION (BLACK OR GALVANIZED STEEL)



Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7047	0.2	18.70	9-5789	0.2	22.10
1/4"	9-7034	0.2	17.80	9-5790	0.2	21.30
3/8"	9-7221	0.3	12.00	9-5791	0.3	14.20
1/2"	9-7012	0.4	11.50	9-5792	0.4	14.30
3/4"	9-7197	0.60	13.70	9-5793	0.6	17.00
1"	9-6999	0.9	17.90	9-5794	0.9	21.20
1-1/4"	9-7095	1.3	23.70	9-5795	1.3	28.80
1-1/2"	9-7059	1.8	29.00	9-5796	1.8	36.90
2"	9-7137	2.6	43.70	9-5797	2.6	49.20
2-1/2"	9-7165	3.7	105.40	9-5798	3.7	136.90
3"	9-7179	4.7	127.90	9-5799	4.7	194.50
4"	9-7233	8.3	316.30	9-5800	8.3	422.50

## SQUARE HEAD PLUG (BLACK OR GALVANIZED STEEL)



Class 150 Pounds

\* Bar plugs also available in sizes 4", 5", 6" &amp; 8".

\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7043	0.1	2.20	9-5606	0.1	3.40
1/4"	9-7030	0.1	2.20	9-5607	0.1	3.60
3/8"	9-7217	0.1	2.20	9-5608	0.1	3.60
1/2"	9-7009	0.1	2.40	9-5609	0.1	4.60
3/4"	9-7194	0.1	2.40	9-5610	0.1	4.60
1"	9-6996	0.2	3.00	9-5611	0.2	5.00
1-1/4"	9-7093	0.3	3.80	9-5612	0.3	7.70
1-1/2"	9-7057	0.4	5.20	9-5613	0.4	10.30
2"	9-7135	0.6	7.50	9-5614	0.6	13.20
2-1/2"	9-7162	1.0	13.60	9-5615	1.0	25.70
3"	9-7177	1.4	18.60	9-5616	1.4	36.40
4"	9-7231	2.6	39.10	9-5617	2.6	75.60
6"	9-7245	6.6	103.90	9-5618	6.6	149.90

## FLOOR FLANGE (BLACK OR GALVANIZED STEEL)



Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/2"	9-7003	0.3	9.40	9-5592	0.3	20.00
3/4"	9-7188	0.5	10.10	9-5593	0.5	22.30
1"	9-6990	0.6	13.20	9-5594	0.6	24.50
1-1/4"	9-7091	0.8	14.10	9-5595	0.8	27.90
1-1/2"	9-7055	1.1	15.40	9-5596	1.1	34.90
2"	9-7133	1.5	20.00	9-5597	1.5	45.90

## CAP (BLACK OR GALVANIZED STEEL)



Class 150 Pounds

\*\*\*Stainless Steel also available\*\*\*

Size	Black Steel			Galvanized Steel		
	Part #	Weight	List	Part #	Weight	List
1/8"	9-7039	0.1	<b>3.40</b>	9-5542	0.1	<b>4.40</b>
1/4"	9-7025	0.1	<b>3.40</b>	9-5543	0.1	<b>4.40</b>
3/8"	9-7213	0.1	<b>3.40</b>	9-5544	0.1	<b>4.30</b>
1/2"	9-7005	0.1	<b>2.60</b>	9-5545	0.1	<b>3.30</b>
3/4"	9-7190	0.2	<b>3.50</b>	9-5546	0.2	<b>4.70</b>
1"	9-6992	0.3	<b>4.20</b>	9-5547	0.3	<b>5.20</b>
1-1/4"	9-7088	0.4	<b>5.50</b>	9-5548	0.4	<b>7.50</b>
1-1/2"	9-7052	0.6	<b>7.50</b>	9-5549	0.6	<b>9.60</b>
2"	9-7130	0.9	<b>9.90</b>	9-5550	0.9	<b>12.20</b>
2-1/2"	9-7158	1.5	<b>24.50</b>	9-5551	1.5	<b>38.70</b>
3"	9-7175	2.2	<b>36.40</b>	9-5552	2.2	<b>46.90</b>
4"	9-7228	4.0	<b>56.80</b>	9-5553	4.0	<b>93.10</b>
6"	9-7242	9.2	<b>83.90</b>	9-5554	9.2	<b>338.80</b>

## PITOT TUBE



Size	Part #	Weight	List
-	6-1530	-	<b>21.00</b>

## PLUG (ZAMAC)



- Die cast zinc alloy
- Will not seize, rust or gall
- Precision machined threads to NPT standards
- Clean-Lightweight

Size	Part #	Weight	List
3/4"	3-0372	0.1	<b>2.95</b>
1"	3-0370	0.1	<b>2.95</b>

## BELL REDUCER (ZAMAC)

Female x Female threaded.



- Die cast zinc alloy
- Will not seize, rust or gall
- Precision machined threads to NPT standards
- Clean-Lightweight

Size	Part #	Weight	List
3/4" x 1/2"	6-1568	0.2	<b>4.00</b>
1" x 1/2"	6-1569	0.2	<b>4.70</b>
1" x 3/4"	6-1570	0.2	<b>4.70</b>

## BUSHING (ZAMAC)

Male x Female threaded.



- Die cast zinc alloy
- Will not seize, rust or gall
- Precision machined threads to NPT standards
- Clean-Lightweight

Size	Part #	Weight	List
3/4" x 1/2"	6-1565	0.1	<b>3.70</b>
1" x 1/2"	6-1566	0.2	<b>4.30</b>
1" x 3/4"	6-1567	0.2	<b>4.10</b>

## SLEEVE COUPLING (ZAMAC)

- Die cast zinc alloy
- Will not seize, rust or gall
- Precision machined threads to NPT standard
- Clean-Lightweight



Size	Part #	Weight	List
1/2"	9-6821	0.2	<b>4.50</b>
3/4"	6-1741	0.2	<b>3.70</b>
1"	6-1742	0.2	<b>4.70</b>

# ACCESSORIES

## SOIL MOISTURE TESTER

### IRROMETER

- Features:
- 5 different lengths to choose from
  - Only the gauge is replaceable
  - Conserves water
  - Saves energy from pumping excessive water



Description	Size	Part #	Weight	List
Irrometer:	6"	6-1504	0.8	<b>155.00</b>
	12"	6-1508	1.0	<b>160.00</b>
	18"	6-1509	1.1	<b>170.00</b>
	24"	6-1516	1.2	<b>175.00</b>
	36"	6-1517	1.5	<b>185.00</b>
	48"	6-1518	1.7	<b>200.00</b>
<b>Service Unit:</b>		6-1519	1.1	<b>115.00</b>

Recommended by the soil conservation departments of the USDA and local water conservation districts as an easy tool to prevent over-watering. Optional service kit is required with the first installation of a tensiometer. This unit is not recommended for areas where the instrument could get easily hit or where there are a lot of stones in the soil.

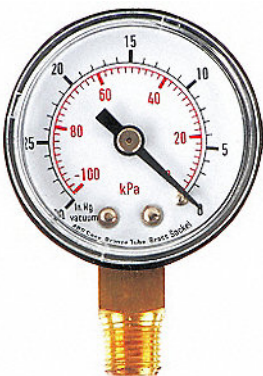
## PRESSURE GAUGE 2-1/2" & 4" DIAL FACES



- 1/4" brass male pipe thread base
- Stainless steel case
- Silicone filled gauge (on the liquid filled gauges)
- Glass lens

Dial Face Size	Type	PSI	Part #	Weight	List
<b>2-1/2"</b>	Dry	0-300	6-9768	0.3	<b>8.00</b>
	Dry	0-100	6-1520	0.3	<b>9.00</b>
	Dry	0-200	6-1521	0.3	<b>9.00</b>
<b>2-1/2"</b>	Liquid Filled	0-15	6-9754	0.5	<b>15.00</b>
	Liquid Filled	0-30	6-9755	0.5	<b>15.00</b>
	Liquid Filled	0-60	6-9756	0.5	<b>15.00</b>
	Liquid Filled	0-100	6-9757	0.5	<b>15.00</b>
	Liquid Filled	0-160	6-1522	0.5	<b>14.00</b>
	Liquid Filled	0-200	6-9758	0.5	<b>15.00</b>
	Liquid Filled	0-300	6-9759	0.5	<b>15.00</b>
	Liquid Filled	0-15	9-5271	1.5	<b>37.00</b>
<b>4"</b>	Liquid Filled	0-30	9-5274	1.5	<b>37.00</b>
	Liquid Filled	0-60	9-5276	1.5	<b>37.00</b>
	Liquid Filled	0-100	9-5270	1.5	<b>37.00</b>
	Liquid Filled	0-160	9-5272	1.2	<b>37.00</b>
	Liquid Filled	0-200	9-5273	1.5	<b>37.00</b>
	Liquid Filled	0-300	9-5275	1.5	<b>37.00</b>
<b>Liquid Manure 2-1/2"</b>	Dry	0-160	6-1578	0.5	<b>67.00</b>
	Liquid Filled	0-160	6-9570	0.5	<b>56.00</b>

## VACUUM GAUGE 2-1/2" DIAL FACE



Dial Face Size	Type	PSI	Part #	Weight	List
2-1/2"	Liquid Filled	30" HG/0	9-6810	-	<b>20.00</b>



# GASKET CROSS REFERENCE

A & M OLD STYLE ROUND BACK	=	PIERCE TYPE
ALUMAX TYPE	=	A & M TYPE
ALUME TYPE	=	STOUT TYPE
AMES QCL TYPE	=	PIERCE TYPE
ATLAS TYPE	=	PIERCE TYPE
AULT TYPE	=	RAINMAKER TYPE (EXCEPT 3")
BEN GAR FULL TYPE	=	A & M TYPE
BOSS TYPE	=	A & M TYPE
BROWN TYPE	=	A & M TYPE
CHAMPION TYPE 3"	=	MOORE RANE/GHEEN TYPE
CROWN AM TYPE	=	RAIN FOR RENT TYPE
DAZOC TYPE	=	MOORE-RANE TYPE, COZAD TYPE, GHEEN TYPE
DECOTO TYPE	=	PIERCE TYPE
DUAL-LOCK TYPE	=	RAINWAY TYPE
FELCO TYPE	=	FELTON TYPE, KROY TYPE
FLEX-O-SEAL TYPE	=	CHICAGO TYPE
FREMONT GATE	=	NUSLIDE GATE
GHEEN TYPE	=	LINDSAY TYPE, COZAD TYPE, MIDWEST BAND & HOOK TYPE
HINESMAN TYPE	=	A & M TYPE
HOMARK TYPE	=	PIERCE TYPE
IRECO ALLUME TYPE	=	STOUT TYPE
KROY TYPE	=	FELTON TYPE
LAKE TYPE	=	WOSCO TYPE, IRECO TYPE, RAIN FOR RENT TYPE
LAKE TORQUE TYPE	=	QUAD RING TYPE
MATTHESON TYPE	=	CHAMPION TYPE
MILLER POSTON TYPE	=	A & M TYPE
MIDWEST TYPE	=	WOSCO TYPE , RAIN FOR RENT TYPE
MOORE RAIN TYPE	=	GHEEN TYPE
PIERCE ROUND BACK TYPE	=	TRAVIS ROUND BACK TYPE
PIERCE FLAT BACK TYPE	=	WESTERN SQUARE BACK TYPE
PORT-ALUME TYPE	=	SHUR RANE TYPE, CHAMPION TYPE
RAIN FOR RENT TYPE	=	IRECO TYPE, WOSCO TYPE, LAKE TYPE, CROWN AM TYPE
RAIN CONTROL TYPE	=	HARDIE TYPE
RAINWAY ROUND TYPE	=	PIERCE TYPE
RAINWAY SQUARE TYPE	=	A & M TYPE
READY RAINE RAIN	=	RAINWAY TYPE
REDI-RAIN TYPE	=	A & M TYPE
ROUND BACK TYPE	=	PIERCE TYPE, TRAVIS TYPE
ROLL-RAIN TYPE	=	SHUR-RANE OLD STYLE TYPE
SHUR-RANE (OLD STYLE) TYPE	=	ROLL-RANE, VERMEER
STOUT TYPE	=	ALLUME TYPE, T-L & IRECO SPEED ROLL TYPE
TELEDYNE TYPE	=	A & M TYPE
TEX FLO-ROUND BACK TYPE	=	PIERCE TYPE (EXCEPT 2 & 3)
TEX FLO-SQUARE BACK	=	HASTINGS
TRAVIS ROUND BACK TYPE	=	PIERCE ROUND BACK TYPE
TRAVIS SQUARE BACK TYPE	=	PIERCE FLAT BACK TYPE, WESTERN SQUARE BACK TYPE
VERMEER TYPE	=	SHUR RANE OLD STYLE TYPE
WOSCO TYPE	=	RAIN FOR RENT TYPE, MIDWEST TYPE, LAKE TYPE
WYSS TYPE	=	CROWN TYPE, MONTGOMERY WARD TYPE, STOUTBILT ALUM. TYPE
WYSS SEAL RING TYPE	=	OLD STYLE STOUT TYPE

**CAN'T FIND A GASKET LISTED TO MATCH YOUR PIPE?**

**CALL OR SEND A SAMPLE!**

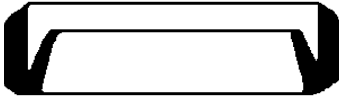

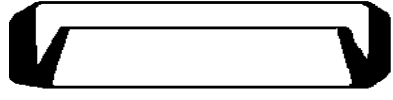

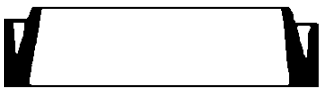
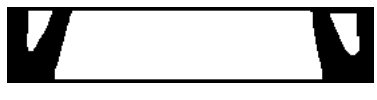
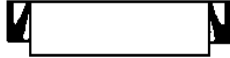
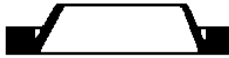
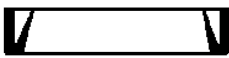

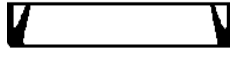
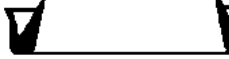
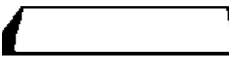




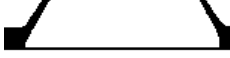


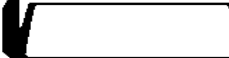




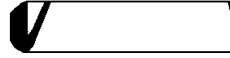
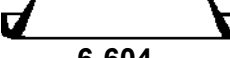
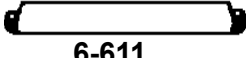
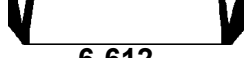
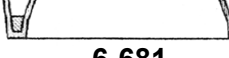
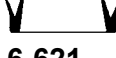

**MOST LIKELY ANOTHER GASKET WILL INTERCHANGE WITH YOURS!**

Fittings



# GASKETS

PRICES AND SIZES ARE ON FOLLOWING PAGES

 <p><b>LINDSAY 6-161_</b> (4" LINDSAY SAME AS 4" GHEEN)</p>		 <p><b>PIERCE 6-162_</b> (SAME AS TEX FLO ROUNDBACK)</p>		 <p><b>GHEEN 6-163_</b> (4" GHEEN SAME AS 4" LINDSAY) (Cozad)</p>	
 <p><b>A &amp; M 6-164_</b></p>		 <p><b>FELTON 6-165_</b> (4" FELTON SAME AS 4" RAVIT)</p>		 <p><b>RAINWAY 6-166_</b></p>	
<p><b>ACE</b></p>  <p>6-600_</p>	<p><b>BEN GAR</b></p>  <p>6-606_</p>	<p><b>DRAGON</b></p>  <p>6-613_</p>	<p><b>FLEX-O-SEAL</b></p>  <p>6-616_</p>		
<p><b>AKRON</b></p>  <p>6-605_</p>	<p><b>CHAMPION</b></p>  <p>6-607_</p>	<p><b>DRESSER - Gheen</b></p>  <p>6-609_</p>	<p><b>HABCO</b></p>  <p>6-617_</p>		
<p><b>AMES - ABC</b></p>  <p>6-601_</p>	<p><b>CLOUDBURST 6-999_</b></p> 	<p><b>DRESSER - Naco</b></p>  <p>6-610_</p>	<p><b>IRECO - AE</b></p>  <p>6-618_</p>		
<p><b>AMES - Hi-Lo</b></p>  <p>6-602_</p>	<p><b>COBB</b></p>  <p>6-802_</p>	<p><b>FARMLAND - SBS</b></p>  <p>6-614_</p>	<p><b>IRECO - Steelume</b></p>  <p>6-619_</p>		
<p><b>AMES - Suction</b></p>  <p>6-603_</p>	<p><b>COMMETCO</b></p>  <p>6-608_</p>	<p><b>FARMLAND - Green Dot</b></p>  <p>6-615_</p>	<p><b>IRECO - Old Style</b></p>  <p>6-620_</p>		
<p><b>AULT</b></p>  <p>6-604_</p>	<p><b>DECOTO</b></p>  <p>6-611_</p>	<p><b>DIAMOND</b></p>  <p>6-612_</p>	<p><b>FIBERSTRONG</b></p>  <p>6-681_</p>	<p><b>MATHISON</b> RING (Same as Race and Race) FULL</p>   <p>6-621_ NOT AVAILABLE</p>	

<b>MCDOWELL</b> STANDARD <b>6-623_</b> RING LOCK <b>6-670_</b>	<b>RACE &amp; RACE</b> DEMOUNTABLE CONTRACTOR <b>6-632_</b> <b>6-701_</b>	<b>SHUR-RANE</b> CHEVRON <b>6-641_</b>	<b>TEX-FLO (HASTINGS)</b> Square back <b>6-650_</b>	
<b>MIDWEST</b> <b>6-624_</b>	<b>RAIN-CONTROL</b> 2" only <b>6-633_</b>	<b>SHUR-RANE</b> OLD STYLE (SAME AS VERMEER) <b>6-642_</b>	<b>VERMEER</b> (SAME AS SHUR-RAIN OLD STYLE) <b>6-651</b>	
<b>MOORE-RANE</b> <b>6-625_</b>	<b>RAINBO</b> <b>6-634_</b>	<b>STOUT - New Style</b> -(Ireco) -For male end of pipe <b>6-643_</b>	<b>WADE RAIN Bolt-On</b> <b>6-683_</b>	
<b>MOULTON 6-626_</b> 	<b>RAIN-OW</b> <b>6-635_</b>	<b>STOUT - Old</b> <b>6-644_</b>	<b>WADE RAIN New Style</b> <b>6-652_</b>	
<b>OAKS 6-664_</b> 		<b>RAIN-FOR-RENT</b> <b>6-636_</b>	<b>STOUT - Old</b> FOR ALUMINUM COUPLERS <b>6-682_</b>	<b>WADE RAIN Old Style</b> <b>6-653_</b>
<b>OLIVER 6-663_</b> 	<b>RAINMAKER</b> <b>6-637_</b>	<b>STOUT - Seal Ring</b> <b>6-645_</b>	<b>WEBSTER</b> TRIGGER LOCK ECONO LOCK 4" 5"-6" <b>6-655_</b> <b>6-654_</b>	
<b>PACIFIC 6-627_</b> Speed lock - new style		<b>RAINWAY</b> Round back <b>6-638_</b>	<b>STOUT - Towline seal</b> <b>6-646_</b>	<b>WESTERN</b> <b>6-656_</b>
<b>PACIFIC 6-628_</b> Speed lock - old style			<b>RAVIT</b> 4" RAVIT SAME AS 4" <b>6-662_</b>	<b>STROLYTE</b> <b>6-647_</b>
<b>PORT-ALUM</b> <b>6-630_</b>	<b>REDI-RAIN</b> <b>6-639_</b>	<b>SURE-FLO</b> <b>6-648_</b>	<b>WYSS</b> SEAL RING STANDARD <b>6-659_</b> <b>6-658_</b>	
<b>RACE &amp; RACE</b> SAME AS MATHISON RING <b>6-631_</b>	<b>SHUR-RANE</b> Drain - New Style <b>6-640_</b>	<b>TEX-FLO (HASTINGS)</b> Round back SAME AS AUTHENTIC <b>6-649_</b>	<b>SPRING</b> McDowell ABC <b>6-660_</b> <b>6-661_</b>	

Fittings

# GASKETS

To complete the part number for each gasket size, use the part number in the first column and use the size code for the last digit. Examples: 4" Ace = 6-6004; 10" A&M = 6-1640.

Size Code:			2	3	4	5	6	7	8	9	0	1
Part #	Brand Name	Type	2"	3"	4"	5"	6"	7"	8"	9"	10"	12"
6-164_	A&M		\$1.60	\$1.60	\$2.20	\$3.10	\$2.50	\$4.80	\$2.80		\$3.50	
6-600_	Ace				3.40		3.50		4.60		5.20	
6-605_	Akron		6.60	2.60	3.10	10.50	11.50		16.50			
6-601_	Ames	ABC	1.60	1.70	2.90	5.20	8.70	13.10	18.60			
6-602_	Ames	Hi-Lo				4.00	4.30	18.40	5.70	8.80	8.20	10.20
6-603_	Ames	Suction				29.10	20.80		22.60			
6-604_	Ault		2.70	2.60								
6-606_	Ben Gar						2.70	6.50	3.10		5.90	
6-607_	Champion		1.90	2.50	3.00	4.20	5.50		8.50			
6-999_	Cloudburst				5.00	6.00	6.90					
6-802_	Cobb		2.00	3.00	4.00							
6-608_	Commetco		2.80	3.50	4.00	4.80						
6-611_	Decoto				2.30	4.60						
6-612_	Diamond						2.50		3.00		5.00	6.00
6-613_	Dragon			2.45	3.20	3.50	4.10					
6-609_	Dresser	Gheen		3.60	4.60	5.60	4.90	76.20	6.20		7.00	8.00
6-610_	Dresser	Naco					8.00		17.00		18.00	16.50
6-614_	Farmland	SBS	1.50	1.60	2.50	3.90	4.50					
6-615_	Farmland	Green Dot		2.10	3.30	4.50	6.20		7.40			
6-165_	Felton (Felton, General Rain)		1.60	1.50	1.80	4.00	2.70	4.50	6.00		3.70	12.00
6-681_	Fiberstrong								6.00		8.00	10.00
6-616_	Flex-O-Seal			3.70	4.10	6.20	7.50		11.10			
6-163_	Gheen (Cozad)		2.00	1.70	2.50	3.80	3.00	7.70	3.80		4.90	7.70
6-617_	Habco					17.00	9.00		10.00		25.00	
6-618_	Ireco	AE	2.40	2.70	3.50	4.30						
6-619_	Ireco	Steelume	1.90	1.80	2.50	2.90	3.60		4.50		8.30	
6-620_	Ireco (Columbus)	Old Style	2.40	3.00	3.30	4.30	5.80	12.90	6.80		6.10	
6-161_	Lindsay				3.20		2.50		3.00			
6-621_	Mathison	Ring	2.50	6.10	6.50	6.70	7.40					
6-623_	McDowell		2.30	2.30	2.90	5.50	6.60	13.50	13.30		13.40	
6-670_	McDowell	Ringlock					23.00		22.00		23.00	
6-624_	Midwest					4.00	2.90		3.30		4.80	8.80
6-625_	Moore-Rain		2.00		2.70	4.40	6.50	7.40	6.50		8.40	14.00
6-626_	Moulton		2.70	2.90	3.80	5.50	6.60	9.90	11.30		14.40	
6-664_	Oaks				6.00	7.00	8.00					
6-663_	Oliver		3.00	4.00	4.00	5.00	6.00	8.00				
6-627_	Pacific Speedlock	New Style	2.10	2.80	3.10							
6-628_	Pacific Speedlock	Old Style	2.30	2.90	3.90	4.90	5.50		11.40			
6-629_	Pierce	Flatback	1.90	1.80	2.50	3.60	3.60		4.60		8.30	
6-162_	Pierce	Roundback	1.30	1.30	2.00	2.80	2.30	4.70	3.00	10.70	4.40	7.00
6-678_	Pierce	Triple Lip		1.50	2.50		3.50		7.50		8.00	10.00
6-630_	Port-Alum		2.40	2.70	3.50							
6-631_	Race & Race		2.10	2.50	3.40	4.60	5.00	5.60	7.70			
6-632_	Race & Race	Demountable	2.10	2.40	2.90	3.60	4.40		6.90			
6-701_	Race & Race	Contractor					6.00	6.00	7.00			
6-633_	Rain-Control (Hardie)		2.00	2.70	3.40	3.90	5.10		7.00			
6-634_	Rainbow				4.50	5.30	5.70		9.20			
6-635_	Rain-ow		2.20	2.60	3.00							
6-636_	Rain-for-Rent	Wosco	1.45	1.50	1.90	4.00	3.70	7.40	4.90		4.40	8.20
6-637_	Rainmaker		2.20	2.60	2.90	4.10	5.60					
6-638_	Rainway	Roundback	2.20	2.10								
6-166_	Rainway	Squareback	1.60	1.50	2.10	2.10	2.00	3.50	2.50		3.50	6.50
6-662_	Ravit		2.10	2.60	2.80	5.20	6.10					

To complete the part number for each gasket size, use the part number in the first column and use the size code for the last digit. Examples: 4" Redi-Rain = 6-6394; 10" Sure-Flo = 6-6480.

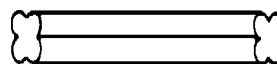
Size Code:			2	3	4	5	6	7	8	9	0	1
Part #	Brand Name	Type	2"	3"	4"	5"	6"	7"	8"	9"	10"	12"
6-639_	Redi-Rain		\$1.50	\$1.60	\$1.90	\$2.50	\$3.30		\$4.00		\$5.80	\$10.10
6-640_	Shur-Rane	Drain-New Style	1.60	1.80	2.50	4.10	4.80	#N/A.	7.50		7.90	
6-641_	Shur-Rane	Non-Drain(Chevron)		2.50	3.40	4.50	4.80	6.00	8.30		7.10	
6-642_	Shur-Rane	Old Style	2.10	2.40	3.20	4.30	5.40	7.00				
6-643_	Stout	New Style	2.40	2.50	3.20	4.10	4.80					
6-644_	Stout	Old Style	3.40	3.70	4.10	5.70	6.80					
6-682_	Stout	Old Style(Alum Cplr)	2.00	2.50	3.20	3.50	4.20					
6-645_	Stout	Seal Ring	1.60	2.10	2.60	3.70	9.00					
6-646_	Stout (Coover 3-1/2)	Towline Seal			2.80							
6-647_	Strolyte		2.50	2.60	3.20	3.50	4.50					
6-648_	Sure-Flo		3.80	2.40	3.10	4.20	4.70		15.20		21.10	
6-649_	Tex-Flo (Hastings)	Roundback					4.80		9.70	15.60	9.90	
6-650_	Tex-Flo (Hastings)	Squareback		2.00			3.50		4.00	5.20	6.50	8.50
6-651_	Vermeer			4.00	4.20	4.40						
6-683_	Wade Rain	Bolt-on	2.80	2.90	4.00	6.50	6.60					
6-652_	Wade Rain	New Style	1.40	1.50	2.30	3.80	4.60	11.60	6.90		10.00	
6-653_	Wade Rain	Old Style	3.40	4.20	5.00							
6-654_	Webster	Trigger Lock		4.20	4.90	5.40	6.50	10.30	11.20			
6-655_	Webster	Econo Lock	2.00	3.00	3.60	5.20	6.90	9.70	12.90			
6-656_	Western		1.90	1.80	2.50	2.90	3.60	10.50	4.50		8.30	10.00
6-657_	Wheel Trac		3.50	4.20								
6-658_	Wyss	Standard	2.00	2.50	3.00	3.60	4.30					
6-659_	Wyss	Seal Ring	2.00	2.40	3.10	3.60	4.20					
6-8008	Wade Rain Poweroll	4"			2.00							
6-8009	Wade Rain Poweroll	4.5"			4.00							
6-8015	Wade Rain Poweroll	5"				4.00						

### Odd Gasket Sizes:

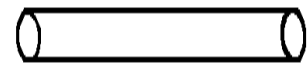
Part #	Brand	Size	Price
6-6896	A&M	4-1/2"	4.00
6-1612	Pierce, Roundback	1-5/16"	2.40
6-1613	Pierce, Roundback	2-1/4"	2.20
6-1615	Pierce, Roundback	2-1/2"	2.30
6-1617	Pierce, Roundback	6-5/8"	5.30
6-1619	Pierce, Roundback	8-5/8"	32.20
6-6087	Commetco	2-1/2"	3.25
6-6197	Ireco, Steelume	5-1/4"	3.30
6-6371	Rainmaker	1-1/2"	1.00
6-6727	Gheen, Dresser	4-1/2"	7.00
6-6728	Gheen, Dresser	6-5/8"	9.00
6-6729	Gheen, Dresser	8-5/8"	11.00

### Wheeline Gaskets

Part #	Brand	Wall Middle to Middle	Price
6-8000	Western, Round	3/16" x 4-1/2"	2.20
6-8001	Western, WID-E-1	3/16" x 4-7/8"	3.60
6-8002	Alumax, Round	1/4" x 4-3/4"	2.20
6-8003	Alumax, Square	1/4" x 4-3/4"	2.30
6-8004	Trunnell, Quad 4	1/4" x 4-3/8"	2.10
6-8005	Trunnell, Quad 5	1/4" x 5-1/2"	2.10
6-8006	Trunnell, Quad 4	1/4" x 4-3/4"	1.95
6-8007	Western Steel	3/16" x 4-15/16"	3.80



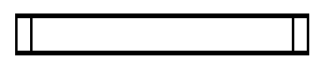
Trunnell



Western



Alumax - Round



Alumax - Square

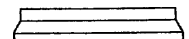
### Springs:

Part #	Brand	2"	3"	4"	5"	6"	7"	8"
6-660_	Ames ABC	\$3.70	\$4.30	\$5.90	\$15.00	\$16.00	--	\$18.30
6-661_	McDowell	5.70	5.00	7.00	8.90	10.40	18.80	21.00

### Pierce Wedge-Tite:

For Bolt-on Flange Pack Repair & Dresser Couplers

Part #	Brand	4"	5"	6"	8"	10"	12"	15"
6-669_	NOM (OD)	\$7.00	\$10.00	\$8.00	\$12.00	\$20.00	\$30.00	
6-668_	PIP			8.00	9.00	10.00	15.00	42.00
6-667_	IPS	7.00		8.00	9.00	10.00	24.00	



# LABOR/REPAIR CHARGES

**Welding (per inch)**  
(Steel or Aluminum)

Size	Part #	List
-	Weld/Inch	5.00/inch

**Weld Around**  
(Steel or Aluminum)

Size	Part #	List
2"	WA2	21.00
3"	WA3	21.00
4"	WA4	23.00
5"	WA5	25.00
6"	WA6	25.00
8"	WA8	27.00
10"	WA10	31.00
12"	WA12	34.00
14"	WA14	36.00
15"	WA15	36.00
16"	WA16	42.00
18"	WA18	46.00
20"	WA20	50.00
21"	WA21	52.00
22"	WA22	55.00
24"	WA24	59.00

**Diagonal Weld Around**  
(Steel or Aluminum)

Size	Part #	List
2"	DWA2	31.50
3"	DWA3	31.50
4"	DWA4	34.50
5"	DWA5	37.50
6"	DWA6	37.50
8"	DWA8	41.00
10"	DWA10	47.00
12"	DWA12	50.00
14"	DWA14	54.00
15"	DWA15	54.00
16"	DWA16	63.00
18"	DWA18	69.00
20"	DWA20	75.00
21"	DWA21	79.00
22"	DWA22	82.00
24"	DWA24	88.00

**Roll Aluminum Pipe End**

Call

**Labor/Hour**

Parts &amp; Valve repair or any miscellaneous labor.

Size	Part #	List
-	LABOR/HOUR	85.00

**Delivery**

Description	Part #	List
Car/pickup without trailer	-	\$1.00/mile, one way
Pickup/diesel with trailer	-	\$3.00/mile, one way

**Saw Cuts**

(Steel or Aluminum)

Description	Part #	List
Straight Steel Cut	CS	19.00
Straight Aluminum Cut	CA	19.00
Diagonal Steel Cut	DCS	28.00
Diagonal Aluminum Cut	DCA	28.00

## Section Six

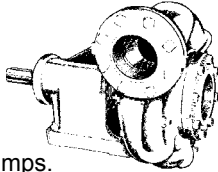


 Pumps	_____	192-203
 Pump Accessories	_____	204
 Dresser Couplers	_____	205
 Suction Pipe	_____	205
 Suction Strainers	_____	206-210
 Foot Valves	_____	208-209
 Discharge Priming Valves	_____	211
 Priming Pumps	_____	212-215
 Murphy Switches	_____	216-217
 Generator, Gearhead, & Accs	_____	218



## SINGLE-STAGE ENGINE MOUNT PUMPS

### BERKELEY

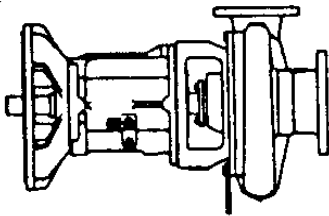


\*Call for other pumps.



Type	Model	GPM @ 2200 RPM	PSI	Part #	Weight	List
Pedestal Mount:	B3ZRM	250-850	60-45	-	120.0	Call
	B3JRMBM	400-900	130-110	-	150.0	Call
	B4JRMBH	600-1500	125-100	-	319.0	Call
Direct Mount:	B3JQBM	300-850	110-85	-	365.0	Call
	B4JQBH	450-1500	100-70	-	400.0	Call
	B4EYQBH	500-1400	190-130	-	620.0	Call
	B6JQBM	750-2250	100-70	-	475.0	Call

\*Call for other pumps. Flywheel coupling NOT included.

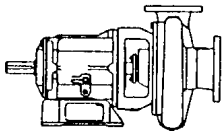


Type	Model	GPM @ 2200 RPM	PSI	Part #	Weight	List
Pedestal Mount:	4RB	300-1500	95-65	-	520.0	Call
	5RB	400-2200	104-70	-	715.0	Call
	6RB	750-4000	100-75	-	815.0	Call
	3HA	300-900	140-115	-	615.0	Call
	5HH	300-1400	120-95	-	695.0	Call
	6HH	1200-3600	155-120	-	845.0	Call

- Call for other pumps. Flywheel coupling included.
- 6HH is rated at 2000 rpm.
- Cornell pumps work well at 3,000 gpm's & higher.

## SLURRY & CHOPPER ENGINE MOUNT PUMPS

### CORNELL-SLURRY



Type	Model	GPM @ 2000 RPM	PSI	Part #	Weight	List
Cornell	3HM	0-800	140-100	-	-	Call
	4x4x14T	300-1500	130-100	-	-	Call

\*3HM has an open impeller & therefore will handle stringy material

\*4x4x14T has a 2-port impeller & therefore will not handle stringy material. (Excellent for hog manure)

### DODA-CHOPPER



Type	Model	GPM @ 2000 RPM	PSI	HP	Part #	Weight	List
Doda	27 PD	300-900	72-10	37-54	-	-	Call
	35 PD	300-1300	120-38	80-115	-	-	Call

# FLOATS & FLOATING PUMPS

## PUMP/DOCK FLOATS



- Thick-walled Molded Polyethylene Shell
- Encapsulated Expanded Polystyrene Foam
- 12 Year Warranty

WxLxH	Float Capacity	Ship Via	Part #	Weight	List
24"x36"x12"	335 lbs	UPS	9-6918	32.0	<b>134.00</b>
24"x48"x12"	490 lbs	UPS	9-6919	34.0	<b>145.00</b>
36"x48"x12"	470 lbs	CC	9-6920	41.0	<b>195.00</b>
24"x48"x16"	700 lbs	UPS	9-6921	35.0	<b>165.00</b>
24"x36"x18"	600 lbs	UPS	9-6922	32.0	<b>165.00</b>
24"x48"x18"	650 lbs	CC	9-6923	41.0	<b>180.00</b>
36"x48"x18"	1000 lbs	CC	9-6924	52.0	<b>275.00</b>
24"x48"x24"	900 lbs	CC	9-6925	50.0	<b>240.00</b>

## PIPE/HOSE FLOATS



Suggested spacing is every 20'

- Tough, impact-resistant polyethylene plastic (HDPE)
- Built-in UV inhibitors reduce degradation caused by sunlight
- Handholds to ease Pipe Float installation
- Molded-in bolt holes allow for easy float installation
- Built-in legs act as alignment guides when installing the Pipe Float
- Floats are also available with foam cores
- Solid one-piece construction
- Pipe Floats (Float Collars) come with a one-year warranty against any-and-all workmanship issues associated with the product.

Size	Dimension WxL	Float Capacity	Part #	Weight	List
4"	13.9" x 20"	26 lbs	9-8336	-	<b>390.00</b>
6"	21.9" x 30"	83 lbs	9-8337	-	<b>703.00</b>
8"	24.0" x 40"	167 lbs	9-8338	-	<b>790.00</b>
10"	33.4" x 24"	212 lbs	9-8339	-	<b>865.00</b>
12"	28.2" x 44"	235 lbs	9-8340	-	<b>986.00</b>

## FLOATING PUMPS

### TURBI-FLOAT®

Floating Pumps

CALL



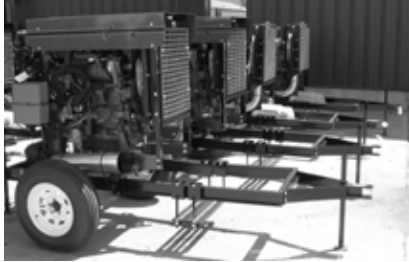
Pump shown with optional wheel kit, which adds to the versatility and user-friendly qualities of the Turbi-Float® system. Further enhances installation and removal for service and site transfers, often eliminating the need for lifting equipment.

#### Applications:

- Irrigation
- Municipal
- Industrial
- Commercial

Group No.	Discharge Body	GPM	PSI
One	4"	100-525	61-26
Two	4"	100-525	94-10
Three	6"	400-1100	20-11
Four	6" & 8"	400-1200	67-23
Five	4" & 6"	400-1100	135-48
Six	8" & 10"	1100-3250	33-7
Seven	8"	1100-1750	93-28
Eight	10"	2250-3250	14-6
Nine	10"	2300-4000	63-32

## DIESEL IRRIGATION PUMPING UNITS



Model	Engine	Pump	GPM @2000 rpm	PSI	List
John Deere	4045T	B4QJBH	400-1500	104-70	<b>Call</b>
John Deere	4039T	B3JQBM	300-860	108-78	<b>Call</b>
John Deere	6059T	B4QJBH	400-1500	104-70	<b>Call</b>
John Deere	6059T	B6JQBM	750-2250	104-70	<b>Call</b>



### Horsepower Chart

MODEL	RPM						CONSUMPTION	SIZE	WEIGHT
	1800	2000	2100	2200	2300	2400			
4039D	57	62	65	67	67	67	.357 @ 1800	SAE4-10	1250
4045D	64	67	71	71	73	74	.347 @ 1800	SAE4-10	1300
4039T	76	82	84	85	88	88	.340 @ 1800	SAE4-10	1350
6059D	84	90	93	96	98	100	.350 @ 1800	SAE3-11	1400
4045T	88	92	93	94	95	96	.342 @ 1800	SAE4-10	1500
6068D	95	102	106	108	111	111	.345 @ 1800	SAE3-11	1500
6059T	112	121	126	128	133	135	.336 @ 1800	SAE3-11	1600
6068T	135	143	145	146	147	147	.344 @ 1800	SAE3-11	1650
6076T	165	165	165	165	--	--	.343 @ 1800	SAE3-11	2100
6076A	206	206	206	206	--	--	.337 @ 1800	SAE2-11	2200
6619A	242	244	246	--	--	--	.353 @ 1800	SAE1-11	2800

#### UNITS INCLUDE:

- Engine
- Pump
- Radiator
- Core Guard
- Electric Start(complete w/cables)
- Cables
- Battery Box (without battery)
- Fuel Lift Pump
- 15' Fuel Line
- Standard Duty Air Cleaner
- Muffler
- Mounting Feet
- Vernier Throttle Control & Panel
- OFF Highway Trailer w/USED tires.
- Water Level Safety Switch (L-150)
- Loss of Prime Switch (20PW7)
- Exhaust Primer
- Flywheel Coupling
- Suction Flange (if required)
- Discharge Priming Valve
- Discharge Adapter
- Pressure Gauge
- Suction Adapter
- Dresser Coupler
- Suction Pipe
- Foot Valve w/screen

#### OPTIONS:

- Skid Mount
- Battery
- Fuel Tank (30, 62 or 125 gallon)
- Extra Axle
- Screw jack for trailer

## CAPRARI

### PTO PUMPS



Gear Driven

Model	RPM	Inlet/Outlet	GPM	PSI	Part #	Weight	List
D2/40	540	2"x2"	50-150	146-133	8-0221	200.0	Call
D1/50	540	2"x2"	50-300	90-76	8-0232	365.0	Call
D2/50	540	3"x2"	50-250	135-121	8-0222	215.0	Call
D3/50	540	3"x2"	70-300	170-133	8-0223	230.0	Call
D2/65	540	4"x4"	100-450	107-97	8-0224	360.0	Call
D3/65	540	4"x4"	150-500	161-136	8-0225	270.0	Call
D2/80	540	5"x4"	200-700	110-99	8-0227	275.0	Call
DO4/80	540	5"x4"	200-700	167-143	8-0228	380.0	Call
DMR80 3/2	540	5"x4"	200-800	192-140	8-0230	400.0	Call
D01/125	540	8"x5"	500-1400	37-21	8-0234	430.0	Call



### PUMP PERFORMANCE

Model	GPM	50	60	70	80	90	100	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1400	Discharge NPT (F)	Suction NPT (F)
D2/40	PSI HP	146 13	146 14	145 17	144 16	143 17	142 17	133 21														2"	2"
D1/50	PSI HP	90 9	90 9	90 10	91 10	91 10	91 11	90 13	87 15	87 17	76 19											2"	2"
D2/50	PSI HP	135 17	136 17	137 18	137 18	137 19	136 19	135 22	128 25	121 27												2"	3"
D3/50	PSI HP			170 24	170 25	170 26	170 26	167 30	160 35	150 38	133 41											2"	3"
D2/65	PSI HP						107 18	108 21	108 23	107 27	105 29	103 31	100 34	97 36								4"	4"
D3/65	PSI HP							161 29	160 34	156 38	154 42	151 46	146 50	142 53	136 55							4"	4"
D2/80	PSI HP								110 28	109 31	109 33	108 36	108 38	107 40	105 43	103 47	99 51					4"	5"
D04/80	PSI HP								167 44	167 49	166 53	165 57	163 62	160 66	159 69	152 77	143 84					4"	5"
DMR80 3/2	PSI HP								193 51	191 54	189 54	186 61	183 64	180 67	178 71	167 77	156 83	142 90				4"	5"
D01/125	PSI HP														37 17	36 19	35 21	34 22	30 23	25 25	21 26	5"	8"
	GPM	50	60	70	80	90	100	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1400		

# ROVATTI PTO IRRIGATION PUMP



## ROVATTI IRRIGATION PUMP

### ROVATTI



Gear Driven

Model	Drive Shaft	RPM	Inlet/Outlet	GPM	PSI	HP	Part #	Weight	List
T0F-50 *	--	540	2"x2"	25-130	76-69	9-10	8-0235	45.0	Call
T1-40-E	R300/90	540	2-1/2"x1-1/2"	50-130	150-140	13-20	8-0236	220.0	Call
T2-40-E	R300/90	540	2-1/2"x1-1/2"	50-130	182-176	21-31	8-0237	255.0	Call
T1-65-A-E	R300/90	540	2-1/2"x2"	100-260	88-80	12-19	8-0238	215.0	Call
T1-50-E	R300/90	540	2-1/2"x2"	100-260	129-119	19-29	8-0239	240.0	Call
T2-50-E	R300/90	540	2-1/2"x2"	100-330	149-125	24-39	8-0240	240.0	Call
T2-65-E	R300/90	540	2-1/2"x2"	100-210	159-135	24-35	8-0241	250.0	Call
T2-80-E	R300/90	540	3"x2-1/2"	160-460	101-86	18-32	8-0242	240.0	Call
T2-85-E	R450/90	540	3"x2-1/2"	160-530	120-102	25-43	8-0243	250.0	Call
T3-80A-E	R450/90	540	3"x2-1/2"	160-460	175-165	38-66	8-0244	300.0	Call
T3-100A-E	R450/90	540	4"x3"	260-790	111-85	33-55	8-0245	290.3	Call
T3-110-E	R600/90	540	4"x3"	260-920	134-108	46-83	8-1425	300.3	Call
T4-100-E	R800/90.1	540	4"x3"	260-790	181-143	61-96	8-0246	375.0	Call
T4-125-E	R800/90.1	540	5"x4"	530-1060	125-110	65-90	8-0248	375.0	Call
MBN20	R450/90	540	8"x8"	1056-2640	37-25	40-55	9-7688	507.0	Call

\*T0F-50 is mounted directly to tractor without drive shaft or cart.



## PUMP PERFORMANCE

Model	GPM	25	50	70	80	90	100	120	130	160	190	210	240	260	330	400	460	530	660	790	920	1060	1190	1320	1450	1580	1850	2110	2380	2640	Discharge FPT	Suction FPT						
*T0F-50	PSI	76	76	76	75	74	73	72	69																							2"	2"					
	HP	9	9	9	9	9	9	9	9																													
T1-40-E	PSI		150	149	148	147	145	143	140																								2-1/2"	1-1/2"				
	HP		13	14	15	16	18	19	20																													
T2-40-E	PSI		182	181	181	180	179	178	176																									2-1/2"	1-1/2"			
	HP		21	22	24	26	28	29	31																													
T1-65A-E	PSI						88	88	88	88	87	85	83	80																				2-1/2"	2"			
	HP						12	13	13	14	16	17	18	19																								
T1-50-E	PSI						129	129	129	128	127	125	122	119																					2-1/2"	2"		
	HP						19	20	21	23	25	26	28	29																								
T2-50-E	PSI						149	149	149	148	147	145	143	141	125																				2-1/2"	2"		
	HP						24	25	26	28	30	32	33	35	39																							
T2-65-E	PSI						159	158	157	153	146	135																							2-1/2"	2"		
	HP						24	25	27	30	32	35																										
T2-80-E	PSI						101	101	101	100	100	97	93	86																					3"	2-1/2"		
	HP						18	20	21	22	24	27	29	32																								
T2-85-E	PSI						120	120	120	120	119	118	115	110	102																					3"	2-1/2"	
	HP						25	26	28	30	32	35	39	41	43																							
T3-80A-E	PSI						175	175	175	175	173	170	165																							3"	2-1/2"	
	HP						38	40	42	44	46	53	60	66																								
T3-100A-E	PSI						111	111	109	107	104	94	85																							4"	3"	
	HP						33	36	39	43	46	51	55																									
T3-110-E	PSI						134	133	133	132	131	128	121	108																							4"	3"
	HP						46	50	55	59	63	70	77	83																								
T4-100-E	PSI						181	180	180	178	175	166	143																								4"	3"
	HP						61	66	70	74	79	90	96																									
T4-125-E	PSI										125	124	122	118	110																					5"	4"	
	HP										65	72	79	85	90																							
MBN20-E	PSI																																			8"	8"	
	HP																																					
Model	GPM	25	50	70	80	90	100	120	130	160	190	210	240	260	330	400	460	530	660	790	920	1060	1190	1320	1450	1580	1850	2110	2380	2640								

These rugged, high performance power-take-off (PTO) irrigation pumps are inexpensive and designed for easy mobility. Their unique water-cooled gearbox allows the gearbox oil to be kept at a constant low temperature. This important feature reduces gasket damage due to high oil temperatures.

The heavy-duty pump frame and dynamically balanced impeller is made of durable cast iron construction. A graphic rope packing seal provides shaft lubrication. A heavy-duty, bowed axle 2-wheel cart allows for easy mobility. Standard pump discharge is horizontal, but can be rotated vertically. 540 & 1000 rpm models are available.

PTO pumps are ideal for irrigators who do not want to maintain yet another engine on their farm. In addition to irrigation, these pumps are designed for a wide range of applications including water transfer, wash-down, tank filling, etc. These durable PTO pumps will give years of dependable service at affordable prices.

Features:

- Oversized bearings
- Replaceable wear ring
- 540 & 1000 rpm speeds
- Finest grade of cast iron for high efficiency
- Unique water-cooled gearbox for extended gear life
- Two-wheel cart for easy positioning and transport

## BERKELEY

Model	RPM	Inlet/Outlet	GPM	PSI	Part #	Weight	List
T1-B6ZRM-CCW	540	8"x6"	800-2200	4.8-25.5	9-7815	400.0	Call



**MODEL T1-B6ZRM CCW (Flood Pump)**

PTO RPM	Pump Pulley Pitch Dia(In)	Pump RPM	Capacity (Gallons Per Minute)								
				800	1000	1200	1400	1600	1800	2000	2200
540	4.6	2150	HEAD (FT)	59	58	56	54	50	46	42	36
1000	5.0		BHP	23	24	26	27	28	29	30	31
540	5.0	2000	HEAD (FT)	51	49	48	45	42	38	32	26
1000	5.4		BHP	19	20	21	22	23	24	25	25
540	5.4	1830	HEAD (FT)	42	40	38	36	32	28	22	15
1000	6.0		BHP	15	16	17	18	18	19	19	19
540	6.0	1650	HEAD (FT)	34	32	30	27	24	19	13	-
			BHP	11	12	13	14	14	15	15	-
NET POSITIVE SUCTION (NPSHR) HEAD REQUIRED (FT.)				11	11	12	12	12	13	13	14

## BERKELEY FLANGE KITS

Description	Size	Part #	Weight	List
Discharge Priming Valve Flange Kit	6"	9-7817	-	<b>503.00</b>
Suction Flange Kit	8" FPT	9-7818	-	<b>491.00</b>



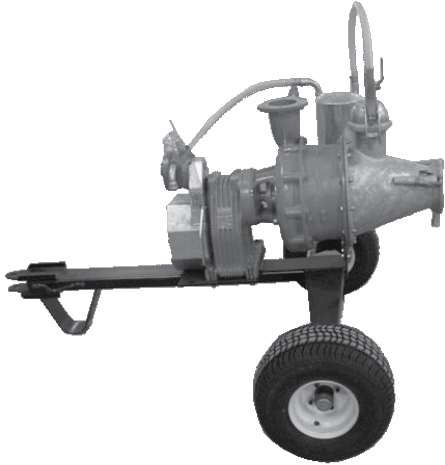
# PTO CHOPPER PUMPS

## PTO CHOPPER PUMPS

### DODA-CHOPPER



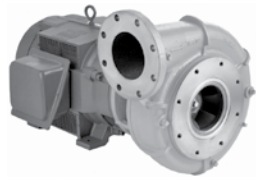
Model	RPM	HP Req.	GPM	PSI	Part #	Weight	List
AFI-27	540	40-60	300-900	80-20	8-0252	-	Call
AFI-27	540	72-105	300-1000	130-55	8-0253	-	Call
AFI-27	1000	135-165	300-700	210-175	8-0254	-	Call
AFI-35	540	90-130	400-1300	135-55	8-0255	-	Call
AFI-35	1000	130-170	400-1300	175-80	8-0256	-	Call



\*Ideal for cattle manure with straw & hay  
 \*Mechanical seal.  
 \*AFI-L20 does not have a cutter blade

## ELECTRIC MOTOR PUMPS

### BERKELEY

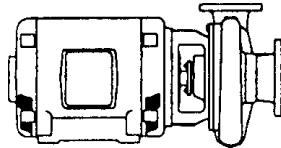


Single Phase or Three Phase

Call



### CORNELL



Single Phase or Three Phase

Call



## Submersible Pumps

### GOULDS/BERKELEY



-motor & pump comes disassembled.  
 -requires a panel box on single & three phase and a control box on single phase.  
 -heavy duty check valves required on all submersible pumps  
 -longer wire will be needed to connect to above ground panel.

Call

## Cooling Coil

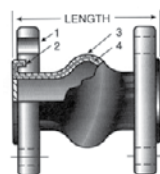

**NOTE:**

Cooling Coil Warranty will be void if there is no Bolted Compression Coupler or Flange between the Cooling Coil and the Pump Discharge.

- Painted Steel Body
- Copper Tubing and Brass Returns
- Standard Length 74"
- Plain Ends for easy customizing
- Pressure Tested

Type	Size	OD	Part #	Weight	List
75 HP:	6"	6-5/8"	9-7711	-	1,813.00
	8"	8-5/8"	9-7712	-	1,813.00
	10"	10-3/4"	9-7713	-	1,978.00
125 HP:	6"	6-5/8"	9-7714	-	2,556.00
	8"	8-5/8"	9-7715	-	2,556.00
	10"	10-3/4"	9-7716	-	2,633.00

## Rubber Expansion Joints



\*To accommodate pressure loads, relieve movement stress, reduce noise, isolate vibration, compensate for misalignments after system goes on stream and prolong the life of motive equipment.

Type	Size	Part #	Weight	List
Single Sphere	4"	6-8031	18.3	158.00
	6"	6-8032	26.8	233.00
	8"	6-8033	40.6	320.00
	10"	6-8034	56.6	497.00
	12"	6-8035	83.0	633.00
Double Sphere	4"	6-8036	20.3	188.00
	6"	6-8037	29.5	298.00
	8"	6-8038	43.8	440.00
	10"	6-8039	64.1	617.00
	12"	6-8040	95.0	868.00

## Gasoline Pumps

### HONDA

Description	Model	Part #	Weight	List
3-1/2 hp, 1-1/2"	WH 15 X	8-0196	48.5	<b>1,320.00</b>
5 hp, 2"	WH 20 X	8-0197	52.0	<b>1,420.00</b>
5.5 hp, 2"	WMP 20 X	8-0198	52.0	<b>1,168.00</b>
8 hp, 3"	WT 30 X	6-9839	132.0	<b>2,895.00</b>
11 hp, 4"	WT 40 X	6-9840	172.0	<b>4,195.00</b>



**WH15X**

- High Pressure, Centrifugal, Self-Priming 1.5" Pump
- East-Start Honda OHV Commercial Engine
- 115 gal./min. Capacity
- Lightweight Aluminum Case
- Cast Iron Volute and Impeller
- Easy Carry Handle



**WH20X**

- High Pressure, Centrifugal, Self-Priming 2" Pump
- Easy-Start Honda OHV Commercial Engine
- 134 gal./min. Capacity
- Lightweight Aluminum Case
- Cast Iron Volute and Impeller
- Easy Carry Handle



**WMP20X**

- Multi-Purpose, Centrifugal Self-Priming 2" Pump
- Easy-Start Honda OHV Commercial Engine
- 220 gal./min. Capacity
- Thermoplastic Pump Housing for Chemical Capability
- Full Frame Protection
- Isolation Mounted Engine and Pump
- Protected by Honda Oil Alert®



**WT30X**

- Heavy-Duty 3" Construction Trash Pump
- Easy-Start Honda OHV Commercial Engine
- Full Frame Protection
- 319 gal./min. Capacity
- Solid Handling Capability Up to 1 1/16"
- Easy, Quick Clean-Out Port
- Easy-Service Wear Plate
- Protected by Honda Oil Alert®

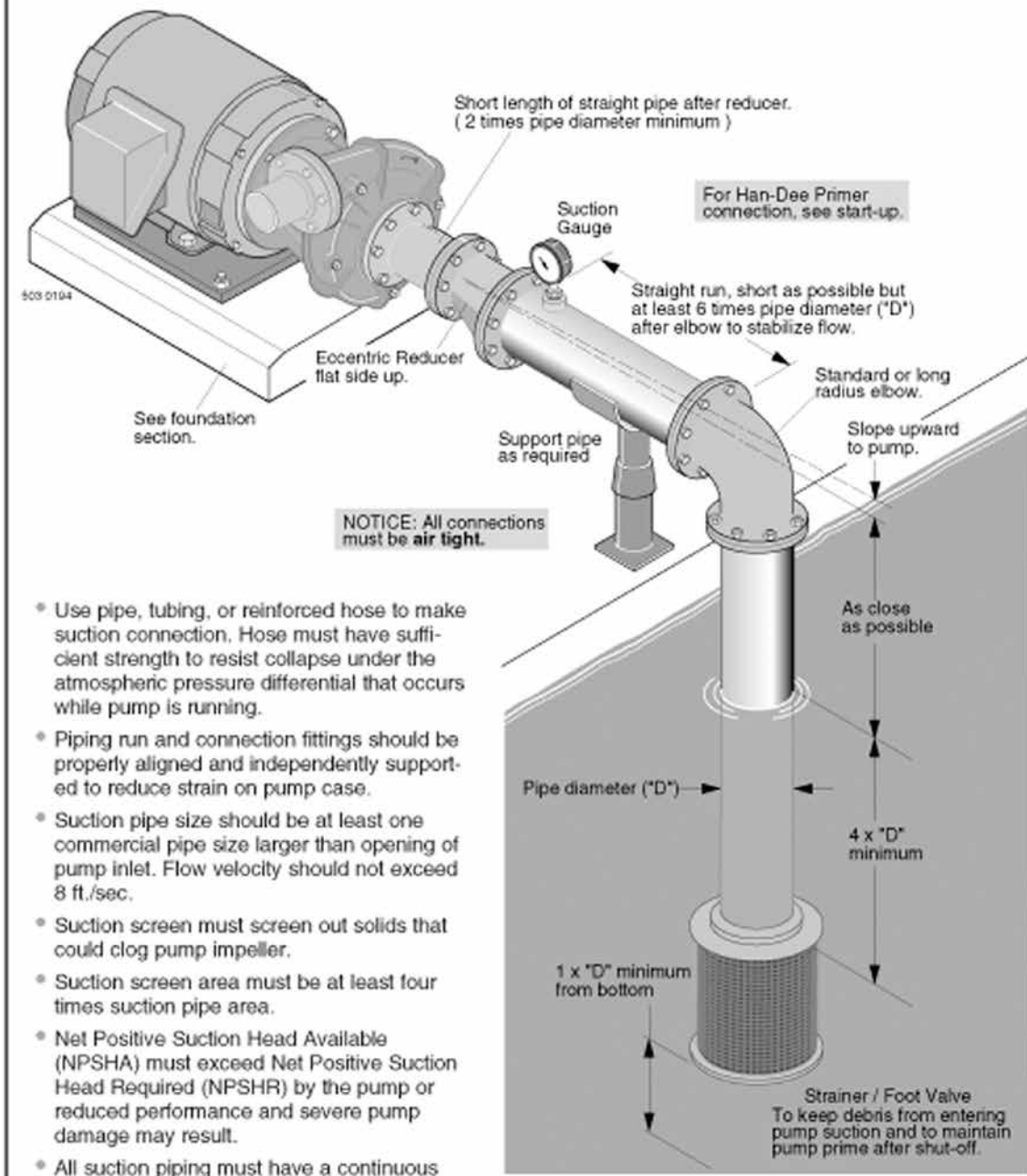


**WT40X**

- Heavy-Duty 4" Construction Trash Pump
- Easy-Start Honda OHV Commercial Engine
- Full Frame Protection
- 604 gal./min. Capacity
- Solid Handling Capability Up to 1 1/16"
- Easy, Quick Clean-Out Port
- Easy-Service Wear Plate
- Protected by Honda Oil Alert®
- Self Priming

\*Call for other sizes and brands on these economical self-priming pumps.  
 \*15' max. Suction lift

**INSTALLATION**  
**Suction Connection**  
**Suction Lift**



- Use pipe, tubing, or reinforced hose to make suction connection. Hose must have sufficient strength to resist collapse under the atmospheric pressure differential that occurs while pump is running.
- Piping run and connection fittings should be properly aligned and independently supported to reduce strain on pump case.
- Suction pipe size should be at least one commercial pipe size larger than opening of pump inlet. Flow velocity should not exceed 8 ft./sec.
- Suction screen must screen out solids that could clog pump impeller.
- Suction screen area must be at least four times suction pipe area.
- Net Positive Suction Head Available (NPSHA) must exceed Net Positive Suction Head Required (NPSHR) by the pump or reduced performance and severe pump damage may result.
- All suction piping must have a continuous rise to the pump suction inlet. A 1/4 inch per foot minimum slope is recommended.

**Recommended**

Pumps



## TYPE "B" SINGLE STAGE CENTRIFUGAL PUMP Bearing Frame Mount

**CAST IRON IMPELLER**

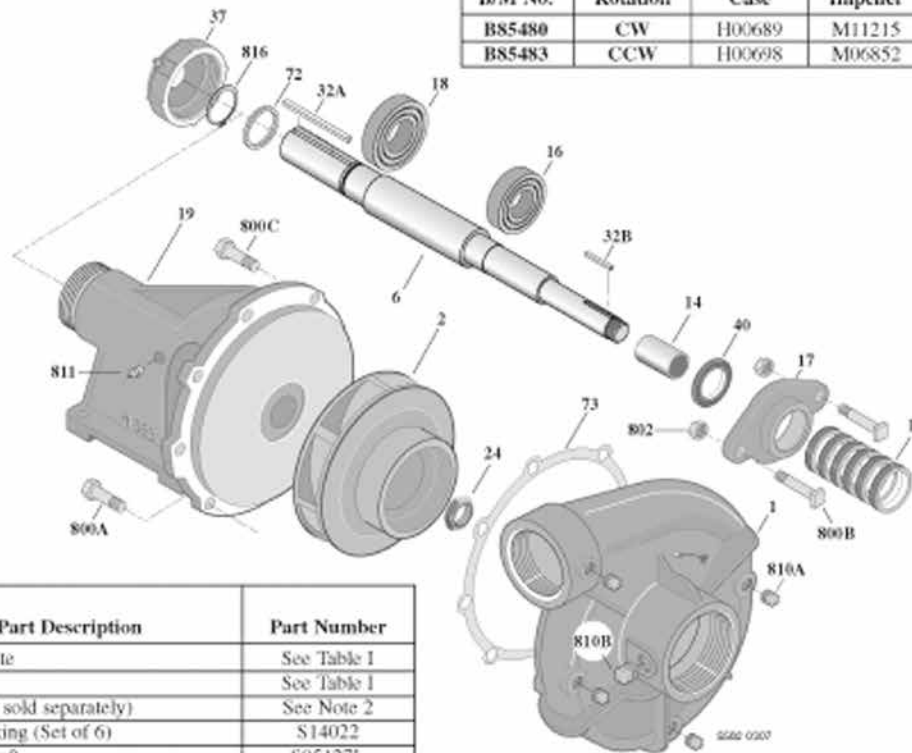
**B3ZRM**

Threaded Case (NPT)

Packing Construction

TABLE I

B/M No.	Rotation	Volute Case	Impeller	Impeller Diameter
B85480	CW	H00689	M11215	9.00"
B85483	CCW	H00698	M06852	9.00"



Item No.	Part Description	Part Number
1	Case, Volute	See Table 1
2	Impeller	See Table 1
6	Shaft (Not sold separately)	See Note 2
13	Ring, Packing (Set of 6)	S14022
14	Sleeve, Shaft	S05127L
16	Bearing, Ball	S13270
17	Gland, Packing (See Note 1)	S04948
18	Bearing, Ball	S13271
19	Frame	H00553
24	Locknut, Impeller (CW and CCW)	M10220
32A	Key, 1/4x2-1/8"	S24255
32B	Key, 3/16x1-1/4"	S34383
37	Outer Bearing Cap Assembly*	S19914
40	Slinger, Water	S12260
72	Ring, Thrust	S29218
73	Gasket, Volute	S05126
800A	Capscrew, Hex 3/8-16x7/8" (6 Req.)	S26825
800B	Bolt, Sq. Head 3/8-16x2-1/2" (2 Req.)	S23762
800C	Capscrew, Hex 3/8-16x1-1/8" (2 Req.)	S26827
802	Nut, Hex 3/8-16 (2 Req.)	S23343

\* Includes grease fitting and set screw.

Item No.	Part Description	Part Number
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
811	Fitting, Grease	S23670
816	Ring, Retaining	S23010

1. A two piece (split) stainless steel packing gland is available for replacement, order part number **B82468**.
2. **Shaft Replacement Kit** available for this model. Berkeley part number **B85540** for CW, **B85539** for CCW. Pump Shaft sold in shaft replacement kit only.





## TYPE "B" SINGLE STAGE CENTRIFUGAL PUMP Bearing Frame Mount

**CAST IRON IMPELLER**

**B4JRMBH**

Flanged Case

Packing Construction

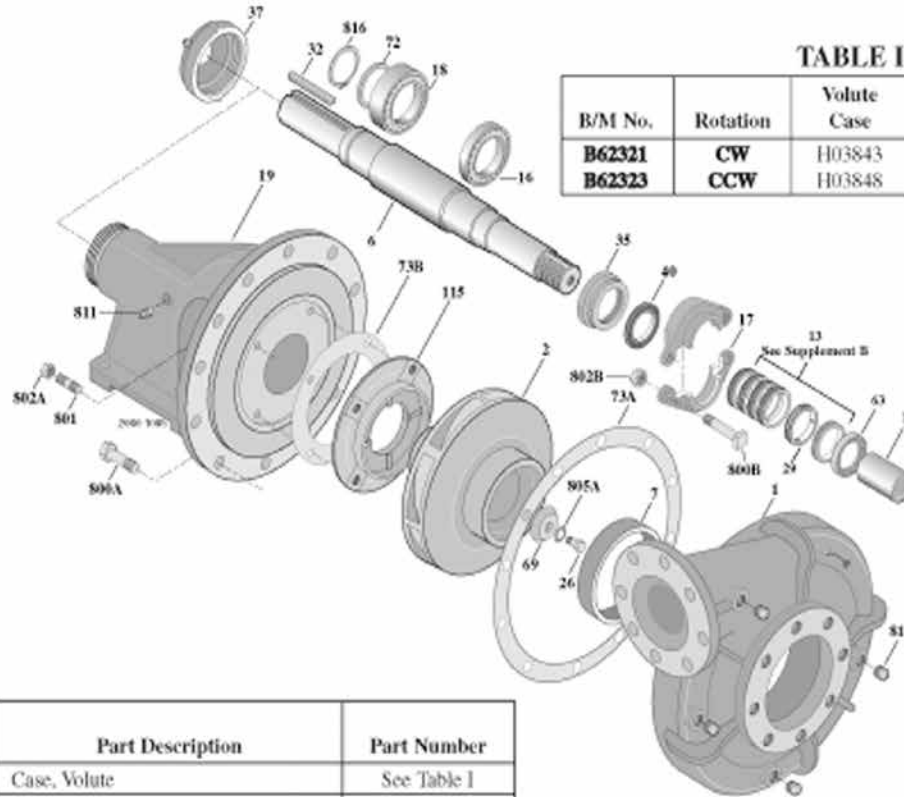


TABLE I

B/M No.	Rotation	Volute Case	Impeller	Impeller Diameter
<b>B62321</b>	<b>CW</b>	H03843	L05976	13.50"
<b>B62323</b>	<b>CCW</b>	H03848	L05974	13.50"

Item No.	Part Description	Part Number
1	Case, Volute	See Table I
2	Impeller	See Table I
6	Shaft (Not sold separately)	See Note 1
7	Ring, Wearing	S02894
13	Ring, Packing (Set of 4)	S13436
14	Sleeve, Shaft	S05974
16	Bearing, Ball	S15604
17	Gland, Packing	B82472
18	Bearing, Ball	S13396
19	Frame	H01599
26	Screw, Impeller 1/2-13x1-1/2"	S23623
29	Ring, Lantern	S18993
32	Key, 1/26x4"	S24214
35	Inner Bearing Cap	S05928
37	Outer Bearing Cap Assembly*	S35277
40	Slinger, Water	S10964
63	Bushing, Throat	S18992
69	Washer, Impeller	S19275
72	Ring, Thrust	S06519
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315

\* Includes grease fitting.

Item No.	Part Description	Part Number
800A	Capscrew, Hex 5/8-11x1-1/2" (12 Req.)	S26999
800B	Bolt, Sq. Head 1/2-13x2-3/4" (2 Req.)	S23794
801	Stud, 3/8-16x1-3/8" (4 Req.)	S09942
802A	Nut, Hex 3/8-16 (4 Req.)	S23103
802B	Nut, Hex 1/2-13x7/16" (2 Req.)	S23347
805A	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease (2 Req.)	S23670
816	Ring, Retaining	S23016

1. **Shaft Replacement Kit** available for this model. Berkeley part number **B07596** for CW, **B07597** for CCW. Pump Shaft sold in shaft replacement kit only.



# PUMP ACCESSORIES

## GLAND - BERKELEY



Size	Pump Model	Part #	Weight	List
Small	B3Z & B6Z	8-1000	-	<b>275.00</b>
Large	B4J	8-1001	-	<b>445.00</b>

## PACKING - BERKELEY



Size	Pump Model	Berkeley #	Part #	Weight	List
Small - 5/16"	B3ZRM, B6ZRM	S-14022	8-0410	0.2	<b>47.00</b>
Large - 3/8"	B3JQBM, B4JRMBH	S-13436	8-0412	0.7	<b>76.00</b>

## PACKING - PULLER



Size	Part #	Weight	List
-	8-0413	-	<b>29.00</b>

## PACKING - BRAIDED



Size	Ft/Box	Part #	Weight	List
1/4"	25' Box	9-6859	-	<b>76.00</b>
5/16"	18' Box	9-6860	-	<b>60.00</b>
3/8"	12' Box	9-6861	-	<b>48.00</b>

## SUCTION ADAPTER

(GALVANIZED STEEL)

MPT



- Install with eccentric dip downward (as shown).
- With 3/4" FPT outlet on top.
- Ball & sockets may be welded onto plain end.

MPT x OD	Part #	Weight	List
2" x 3"	8-0430	2.9	<b>79.00</b>
3" x 4"	8-0431	4.0	<b>95.00</b>
4" x 5"	8-0432	6.0	<b>120.00</b>
4" x 6"	8-0510	7.0	<b>138.00</b>
4" x 8"	8-0511	12.7	<b>172.00</b>
5" x 6"	8-0512	7.6	<b>153.00</b>
5" x 8"	8-0513	12.6	<b>175.00</b>
6" x 6"	8-0514	12.1	<b>155.00</b>
6" x 8"	8-0515	14.1	<b>195.00</b>
6" x 10"	8-0517	19.3	<b>248.00</b>
8" x 8"	8-0516	16.3	<b>215.00</b>
8" x 10"	8-0518	19.8	<b>296.00</b>

## DISCHARGE ADAPTER

(GALVANIZED STEEL)

MPT



MPT x FRL	Part #	Weight	List
2" x 3"	8-0440	2.1	<b>80.00</b>
2" x 4"	8-0441	3.1	<b>89.00</b>
3" x 3"	8-0442	2.5	<b>79.00</b>
3" x 4"	8-0443	3.5	<b>95.00</b>
4" x 4"	8-0520	4.3	<b>75.00</b>
4" x 5"	8-0444	5.4	<b>125.00</b>
4" x 6"	8-0521	6.7	<b>120.00</b>
4" x 8"	8-0522	9.8	<b>165.00</b>
5" x 5"	8-0445	5.9	<b>99.00</b>
5" x 6"	8-0446	9.4	<b>147.00</b>
5" x 8"	8-0526	11.1	<b>225.00</b>
6" x 6"	8-0523	8.1	<b>117.00</b>
6" x 8"	8-0524	12.3	<b>176.00</b>
6" x 10"	8-0525	14.9	<b>295.00</b>

# DRESSER COUPLERS, SUCTION PIPE

## DRESSER COUPLER - 6" LONG (POWDER COATED)



Size	Part #	Weight	List
3" OD	8-0550	4.0	<b>92.00</b>
4" OD	8-0551	5.5	<b>107.00</b>
5" OD	8-0552	6.5	<b>122.00</b>
6" OD	8-0553	7.5	<b>126.00</b>
8" OD	8-0555	9.0	<b>185.00</b>
10" OD	8-0556	12.0	<b>227.00</b>
12" OD	8-0557	21.0	<b>285.00</b>

## DRESSER COUPLER - 10" LONG (POWDER COATED)



Complete				Body Only			Flange Pack (Double) For 10" Long Body		
Size	Part #	Weight	List	Part #	Weight	List	Part #	Weight	List
4" OD	8-0530	8.0	<b>94.00</b>	6-2039	4.0	<b>41.00</b>	6-2021	4.0	<b>53.00</b>
5" OD	8-0536	11.0	<b>128.00</b>	6-2040	4.0	<b>47.00</b>	6-2022	7.0	<b>81.00</b>
6" OD	8-0531	13.0	<b>133.00</b>	6-2041	5.0	<b>53.00</b>	6-2023	8.0	<b>80.00</b>
8" OD	8-0532	16.0	<b>162.00</b>	6-2042	7.0	<b>65.00</b>	6-2024	9.0	<b>97.00</b>
10" OD	8-0533	23.0	<b>206.00</b>	6-2043	9.0	<b>82.00</b>	6-2025	14.0	<b>124.00</b>
12" OD	8-0534	27.0	<b>303.00</b>	6-2044	11.0	<b>121.00</b>	6-2026	16.0	<b>182.00</b>

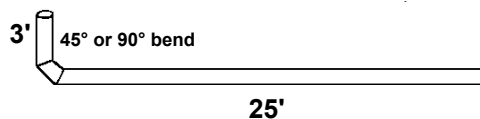
## SUCTION BOOT (RUBBER)



Size (ID)	OD	Part #	Weight	List
6"	7"	8-0546	3.2	<b>64.00</b>
8"	9"	8-0547	4.1	<b>79.00</b>
10"	11"	8-0548	5.8	<b>121.00</b>
*12"	13-1/2"	8-0549	15.5	<b>270.00</b>

\* For the 12" Boot use the spiral hose clamp.

## SUCTION PIPE (ALUMINUM)



Size	Wall	Part #	Weight	List
6" x 45°	.058	8-0540	37.8	<b>489.00</b>
6" x 90°	.058	8-0541	37.8	<b>558.00</b>
8" x 45°	.072	8-0542	63.3	<b>851.00</b>
8" x 90°	.072	8-0543	63.3	<b>925.00</b>
10" x 90°	.094	8-0545	103.2	<b>1,420.00</b>

\* See page 36 for suction hoses

Pumps

# SUCTION ELBOW & INTAKE SCREEN



## SUCTION ELBOW - COMPLETE (CAST ALUMINUM)



Size	Part #	45°		90°		
		Weight	List	Part #	Weight	List
4"	8-0729	6.0	<b>182.00</b>	8-0719	7.0	<b>197.00</b>
6"	8-0730	9.0	<b>280.00</b>	8-0720	10.5	<b>297.00</b>
8"	8-0731	12.0	<b>401.00</b>	8-0721	14.5	<b>455.00</b>
10"	8-0732	17.0	<b>708.00</b>	8-0722	23.0	<b>719.00</b>

## SUCTION ELBOW - PARTS



Size	Part #	45°		90°		
		Weight	List	Part #	Weight	List
4"	8-0814	-	<b>132.00</b>	8-0810	-	<b>150.00</b>
6"	8-0815	-	<b>210.00</b>	8-0811	-	<b>220.00</b>
8"	8-0816	-	<b>292.00</b>	8-0812	-	<b>325.00</b>
10"	8-0817	-	<b>521.00</b>	8-0813	-	<b>555.00</b>

Description	Size	Part #	Weight	List
Flange:	4"	8-0818	-	<b>20.00</b>
	6"	8-0819	1.3	<b>35.00</b>
	8"	8-0820	1.6	<b>56.00</b>
	10"	8-0821	2.4	<b>82.00</b>
Ring Gasket:	4"	6-6484	-	<b>3.10</b>
	6"	6-6486	-	<b>4.70</b>
	8"	6-6488	-	<b>15.20</b>
	10"	6-6480	-	<b>21.10</b>
Nuts & Bolts	5/16" x 2-1/4"	8-0822	-	<b>2.00</b>
4 Required:	5/16" x 2-1/2"	8-0823	-	<b>2.00</b>

## INTAKE STRAINER



-0.050 Screen wall thickness  
 -Standard holes are 1/4" round  
 -Also available in 1/8" or 1/2" @ additional cost

Size	Dimension	Part #	Weight	List
4"		6-9793	3.5	<b>78.00</b>
5"		6-9794	4.5	<b>109.00</b>
6"	10 5/8" x 7 1/4"	8-0733	6.0	<b>132.00</b>
8"	16 1/2" x 9 1/4"	8-0734	11.0	<b>221.00</b>
10"	23" x 11 1/2"	8-0735	15.0	<b>294.00</b>

Note: Intake strainers are smaller than Jumbo.

## INTAKE STRAINER PARTS



Description	Size	Dimension	Part #	Weight	List
Ring Casting:	6"		8-0736	-	<b>37.00</b>
	8"		8-0737	-	<b>62.00</b>
	10"		8-0738	-	<b>68.00</b>
Bottom Disc Casting:	6"		8-0739	-	<b>30.00</b>
	8"		8-0740	-	<b>60.00</b>
	10"		8-0741	-	<b>72.00</b>
Strainer Screen:	6"	10-5/8" h x 7-1/4" w	8-0742	-	<b>32.00</b>
	8"	16-1/2" h x 9-1/4" w	8-0743	1.5	<b>48.00</b>
	10"	23" h x 11-1/2" w	8-0744	2.5	<b>106.00</b>
Strainer Bolt & Nut:	6"	12" long	8-0745	-	<b>5.00</b>
	8"	18" long	8-0746	-	<b>11.00</b>
	10"	25-1/4" long	8-0747	-	<b>13.00</b>
Slide:	6"		8-0748	-	<b>28.00</b>
	8"		8-0749	-	<b>49.00</b>
	10"		8-0753	-	<b>86.00</b>
Ring Bolt:			8-0754	0.0	<b>2.00</b>

## JUMBO SCREEN - SINGLE



Size	Dimension	With Slide			Without Slide		
		Part #	Weight	List	Part #	Weight	List
6"	18" x 13-5/8"	8-0750	17.0	<b>457.00</b>	8-0760	14.5	<b>387.00</b>
8"	18" x 13-5/8"	8-0751	18.0	<b>457.00</b>	8-0761	14.0	<b>387.00</b>
10"	18" x 13-5/8"	8-0752	18.5	<b>457.00</b>	8-0762	13.5	<b>387.00</b>

-1/4" Standard Round Holes (also available in 1/8", 1/2", 3/4" or 1" @ additional cost)  
 -0.080 Standard Wall Thickness (also available in .125 in 3/4" & 1" only @ additional cost)  
 -Easily and quickly attaches to the end of the aluminum suction pipe by drilling three holes in the tubing and inserting bolts.

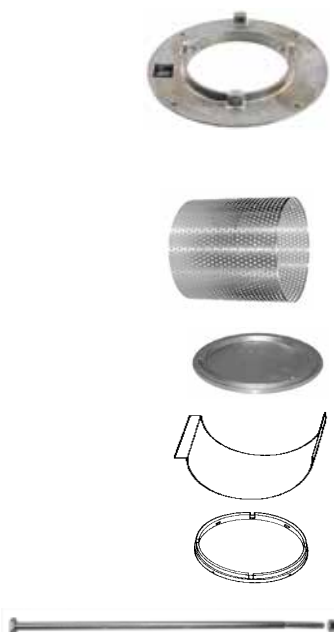
## JUMBO SCREEN - DOUBLE



Size	Dimension	With Slide			Without Slide		
		Part #	Weight	List	Part #	Weight	List
6"	36" x 13 5/8"	8-0770	38.0	<b>749.00</b>	8-0780	21.5	<b>608.00</b>
8"	36" x 13 5/8"	8-0771	38.0	<b>749.00</b>	8-0781	21.0	<b>608.00</b>
10"	36" x 13 5/8"	8-0772	40.0	<b>749.00</b>	8-0782	21.0	<b>608.00</b>

-1/4" Standard Round Holes (also available in 1/8", 1/2", 3/4" or 1" @ additional cost)  
 -0.080 Standard Wall Thickness (also available in .125 in 3/4" & 1" only @ additional cost)  
 -Easily and quickly attaches to the end of the aluminum suction pipe by drilling three holes in the tubing and inserting bolts.

## JUMBO STRAINER PARTS



Description	Size	Dimension	Part #	Weight	List
<b>Strainer Ring:</b>	4"		8-0859	-	<b>143.00</b>
	6"		8-0860	-	<b>143.00</b>
	8"		8-0861	-	<b>143.00</b>
	10"		8-0862	-	<b>143.00</b>
<b>Screen:</b>	-	18" h x 13-5/8" wide	8-0854	-	<b>125.00</b>
<b>Bottom Disc:</b>	-		8-0858	-	<b>127.00</b>
<b>Slide:</b>	-	Single Jumbo	8-0855	4.3	<b>71.00</b>
	-	Double Jumbo	8-0856	-	<b>142.00</b>
<b>D-Ring:</b>	-		8-0863	2.4	<b>133.00</b>
<b>Strainer Bolt:</b> 4 Required	-	1/4" x 19-3/8" Long	8-0857	-	<b>12.00</b>

## FOOT VALVE/SCREEN (CAST IRON)



Size	Part #	Weight	List
1-1/2"	6-9603	-	<b>35.00</b>
2"	8-0706	4.7	<b>57.00</b>
2-1/2"	8-0707	6.6	<b>69.00</b>
3"	8-0708	9.1	<b>83.00</b>
4"	6-9604	16.5	<b>155.00</b>
6"	6-9605	36.3	<b>365.00</b>
8"	6-9606	-	<b>490.00</b>

## SCREEN W/FOOT VALVE (45 DEGREE)

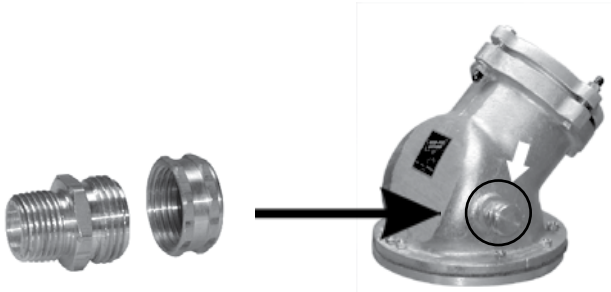


Size	Part #	Weight	List
3"	6-9844	7.0	<b>360.00</b>
4"	8-0709	11.0	<b>310.00</b>
5"	6-9845	14.0	<b>420.00</b>
6"	8-0710	17.0	<b>514.00</b>
8"	8-0711	26.5	<b>729.00</b>
10"	8-0712	46.0	<b>1,241.00</b>

Vertical Foot Valves and other sizes are also available. Please call.

- 0.050 Screen wall thickness
- 0.080 Screen available at additional cost
- Standard holes are 1/4" round
- Also available in 1/8" or 1/2" @ additional cost

## DRAIN KIT - FOOT VALVE



Description	Part #	Weight	List
*Foot Valve Drain Kit w/Cap	9-7666	-	<b>11.00</b>

\* All Sure-Flo foot valves larger than 3" are provided with a tapped and plugged outlet on the side of the body. By replacing this plug with the optional drain kit, suction line removal becomes much easier. One end of an inexpensive garden hose is attached to the drain fitting, and the other end is capped, with the provided hose cap, and secured near the pump. When ready to remove the suction line, simply remove the cap, and place the hose in the water. This will allow the suction line to drain down to the water surface.

# FOOT VALVE PARTS

## FOOT VALVE PARTS



Description	Size	Dimension	Part #	Weight	List
<b>Suction Flange:</b>	4"		8-0818	-	20.00
	6"		8-0819	1.3	35.00
	8"		8-0820	1.6	56.00
	10"		8-0821	2.4	82.00
<b>Ring Gasket:</b>	4"		6-6484	-	3.10
	6"		6-6486	-	4.70
	8"		6-6488	-	15.20
	10"		6-6480	-	21.10
<b>Foot Valve Body:</b>	4" x 45°		8-0824	-	165.00
	6" x 45°		8-0825	-	253.00
	8" x 45°		8-0826	-	400.00
<b>Valve Flapper Cover:</b>	4"	4-1/2" OD	8-0828	0.8	11.00
	6"	6-1/2" OD	8-0829	-	16.00
	8"	8-1/2" OD	8-0830	3.0	28.00
	10"	10-1/2" OD	8-0831	-	47.00
<b>Valve Flapper Gasket:</b>	2"	5-5/8" OD	8-0713	-	14.00
	3"	6-3/8" OD	8-0714	0.2	21.00
	4"	7-3/4" OD	8-0715	0.3	28.00
	5"	8-7/8" OD	8-0716	0.3	33.00
	6"	9-3/4" OD	8-0717	0.6	43.00
	8"	11-3/4" OD	8-0718	-	63.00
<b>Valve Flapper Weight:</b>	10"	13-7/8" OD	8-0725	1.5	141.00
	4"	2-1/2" OD	8-0832	0.2	6.00
	6"	4-1/2" OD	8-0833	-	11.00
	8"	6-1/2" OD	8-0834	-	16.00
<b>Valve Seat Ring:</b>	10"	8-1/2" OD	8-0835	-	28.00
	4"		8-0837	-	37.00
	6"		8-0838	-	68.00
<b>Screen:</b>	8"		8-0839	3.5	75.00
	10"		8-0840	-	134.00
	4"	6-1/2" H x 7-1/4" W	8-0842	-	20.00
	6"	8-3/8" H x 9-1/4" W	8-0843	-	32.00
<b>Bottom Disc:</b>	8"	13-1/2" H x 11-1/4" W	8-0844	1.5	63.00
	10"	21" H x 13-5/8" W	8-0845	-	92.00
	4"		8-0846	1.4	30.00
	6"		8-0847	-	60.00
<b>Screen Bolt/Nut:</b>	8"		8-0848	3.4	72.00
	10"		8-0849	5.4	127.00
	4"	3 Req. 1/4"x8"	8-0850	-	3.00
	6"	3 Req. 1/4"x10"	8-0851	-	4.00
<b>Flange Bolt/Nut:</b>	8"	3 Req. 1/4"x15-3/8"	8-0852	-	9.00
	10"	4 Req. 1/4"x22-7/8"	8-0853	-	13.00
<b>Seat Body Bolt/Nut:</b>	2"-8"	4 Req. 5/16"x2-1/4"	8-0822	-	2.00
	10"	4 Req. 5/16"x2-1/2"	8-0823	-	2.00
	4"	5 Req. 1/4"x1-1/2"	8-0841	-	1.00
	6"	8 Req. 1/4"x1-1/2"	8-0841	-	1.00
<b>Cover Weight Bolt/Nut:</b>	8"	11 Req. 1/4"x1-1/2"	8-0841	-	1.00
	10"	12 Req. 1/4"x1-1/2"	8-0841	-	1.00
	-	1/4"x3/4"	8-0836	-	1.00

Pumps



# SPECIALTY & SELF-CLEANING SCREENS



## SELF-CLEANING SCREEN (PERFECTION)



IMPORTANT: A partially closed gate valve on the discharge side of pump is required to provide adequate working pressure to the strainer while filling the irrigation line. Powder epoxy coated aluminum screen .093".

Size	GPM	Ship Via	Part #	Weight	List
2"	50	UPS	9-7623	4.0	278.00
3"	160	UPS	9-7624	15.0	601.00
4"	325	UPS	8-0785	13.0	692.00
6"	625	UPS	8-0786	25.0	1,500.00
8"	1150	UPS	8-0787	34.0	1,877.00
10"	1500	UPS	8-0788	55.0	2,597.00
10" BB	1900	CC	9-7625	65.0	3,062.00
10" XL	2500	CC	9-7626	90.0	3,471.00
12" XL	2500	CC	9-7627	90.0	3,588.00

## SELF-CLEANING SCREEN (RIVERSCREEN)



Floating screen. Requires only 4" of water. Must have current to operate, otherwise order the optional power drive. 8 mesh (.097") stainless steel screen. All SS Screws & Bolts

Size	GPM	Pontoon	Ship Via	Part #	Weight	NET
4"	100-300	4'	CC	9-5428	200.0	2,400.00
6"	300-600	6'	CC	9-5429	225.0	3,325.00
8"	550-1200	8'	CC	9-5430	250.0	3,800.00
10"	825-1700	10'	CC	9-5431	275.0	4,250.00
12"	1200-4000	10'	CC	9-5438	240.0	4,850.00

Item	Part #	Weight	NET
Power Drive	9-5432	-	230.00
Motor Drive	9-7872	-	1,000.00
Foot Valve	9-6849	-	725.00

## LIQUID MANURE SCREEN



Size	Dimension	Part #	Weight	List
4"	18"long x 14"wide	6-8095	17.0	479.00
6"	18"long x 14"wide	6-8096	17.0	479.00
8"	36"long x 14"wide	6-8097	25.0	755.00

- 1" holes, .125" thick screen w/corrosion resistant alloy and stainless steel bolts & nuts.  
 -Easily and quickly attaches to the end of the aluminum suction pipe by drilling three holes in the tubing and inserting bolts.

## ROUND HOLE SCREEN



-Female pipe thread connection.

Size	Part #	Weight	List
1-1/2"	6-9590	1.4	18.00
2"	6-9591	1.8	20.00
2-1/2"	6-9592	2.0	25.00
3"	6-9593	2.7	29.00
4"	6-9594	2.9	38.00
6"	6-9595	6.0	102.00
8"	6-9596	7.3	157.00

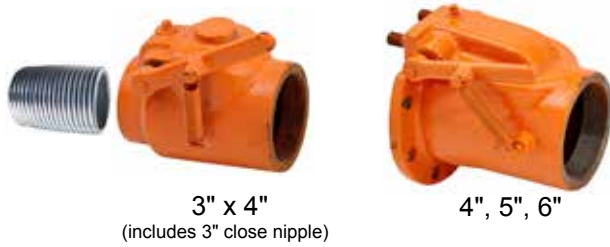
## SQUARE HOLE SCREEN



-Female pipe thread connection.

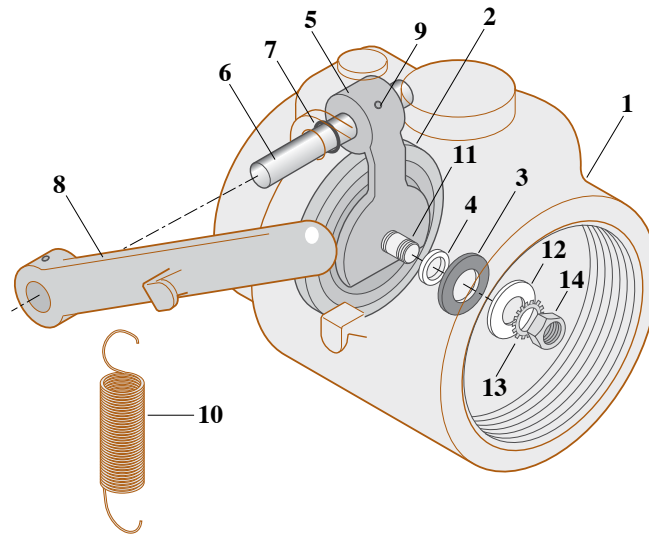
Size	Part #	Weight	List
1-1/2"	6-9597	1.1	23.00
2"	6-9598	1.7	29.00
2-1/2"	6-9599	2.0	36.00
3"	6-9600	2.5	43.00
4"	6-9601	2.5	50.00
6"	6-9602	6.3	93.00

## DISCHARGE PRIMING VALVE



Size	Part #	Weight	List
3" x 4"	8-0640	20.0	<b>980.00</b>
4"	8-0650	36.0	<b>1,333.00</b>
5"	8-0655	55.0	<b>1,560.00</b>
6"	8-0660	70.0	<b>1,589.00</b>

## REPLACEMENT PARTS FOR DISCHARGE PRIMING VALVE



Item	Position	Size	Dimension	Part #	Weight	List
<b>Clack</b>	2	3" x 4"	4.00" OD	8-0641		<b>203.00</b>
	2	4" x 4"	4.75" OD	8-0651		<b>391.00</b>
	2	5" x 5"	5.75" OD	8-0656		<b>450.00</b>
	2	6" x 6"	6.75" OD	8-0661		<b>490.00</b>
<b>Valve Body</b>	1	3" x 4"		8-1002		<b>1,130.00</b>
	1	4" x 4"		8-1003		<b>1,176.00</b>
	1	5" x 5"		8-1004		<b>2,235.00</b>
	1	6" x 6"		8-1005		<b>2,139.00</b>
<b>Clack Hinge Handle Assembly</b>	5,6,8	3" x 4"	3.00" C-C	8-1009		<b>550.00</b>
	5,6,8	4" x 4"	3.50" C-C	8-1010		<b>562.00</b>
	5,6,8	5" x 5"	4.00" C-C	8-1011		<b>580.00</b>
	5,6,8	6" x 6"	4.25" C-C	8-1012		<b>592.00</b>
<b>'O' Ring</b>	7	--		8-1013		<b>14.00</b>
<b>Spring Pin (2 required)</b>	9	--		8-1014		<b>14.00</b>
<b>Spring</b>	10	3" x 4"		8-1015		<b>29.00</b>
<b>Spring</b>	10	4"-5"-6"		8-1016		<b>33.00</b>
<b>Grommet</b>	3	--		8-1007		<b>14.00</b>
<b>Spacer</b>	4	--		8-1008		<b>42.00</b>
<b>Bolt Stud</b>	11	--		8-1017		<b>7.60</b>
<b>Nut</b>	14	--		6-0902		<b>0.08</b>
<b>External Tooth Washer</b>	13	--		8-1018		<b>3.30</b>
<b>Flat Washer</b>	12	--		9-6762		<b>3.20</b>

Pumps

## HAN-D PUMPERS



Description	Part #	Weight	List
#700 Han-D Pumper	6-9760	18.0	<b>809.00</b>
#900 Han-D Pumper	6-9762	20.0	<b>934.00</b>

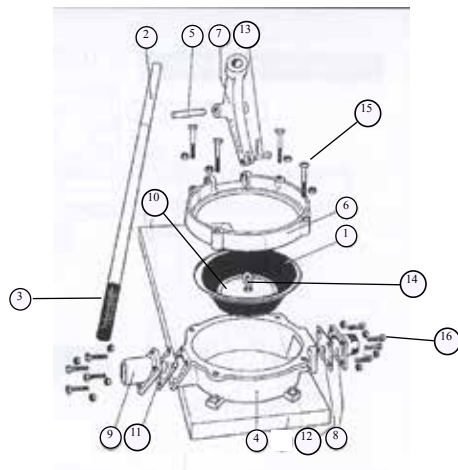
Uses include small or occasional jobs where it takes too long to setup on engine driven pump.

	Inlet / Outlet	Capacity	Max. Suction Lift	Max Discharge Head
Model 700	1.5" FPT	.5 gal/Stroke	20 feet	10 feet
Model 900	2" FPT	1 gal/Stroke	15 feet	10 feet

### Features:

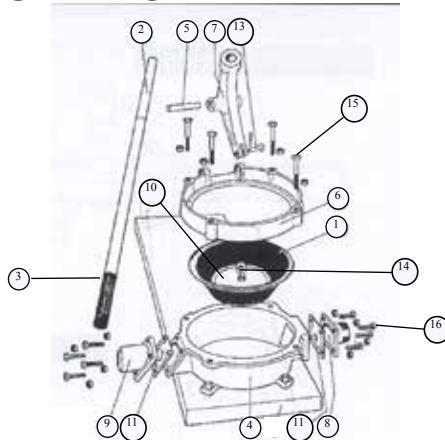
- Complete dewatering portable unit
- Lightweight, easy to use
- Cast aluminum body
- Pumps air, water, sewage, mud and many chemical products
- Ideal for priming large diameter pipes (i.e. 8", 10", 12" sizes)

## PARTS FOR #700 HAN-D PUMPERS



Description	Position	Part #	Weight	List
Diaphragm - #700	1	6-9761	1.0	<b>98.00</b>
Handle	2	9-7729	-	<b>37.00</b>
Grip	3	9-7730	-	<b>11.00</b>
Pump Body	4	9-7731	-	<b>348.00</b>
Fulcrum Pin	5	9-7732	-	<b>18.00</b>
Retainer Ring	6	9-7733	-	<b>138.00</b>
Fulcrum	7	9-7734	-	<b>86.00</b>
Suction Flange	8	9-7735	-	<b>103.00</b>
Discharge Flange	9	9-7736	-	<b>103.00</b>
Diaphragm Plates (2-required)	10	9-7737	-	<b>32.00</b>
Discharge Valve	11	9-7738	-	<b>44.00</b>
Suction Valve	12	9-7739	-	<b>42.00</b>
Fastpin	13	9-7740	-	<b>5.00</b>
Eyebolt w/Nuts	14	9-7741	-	<b>4.00</b>
Bolt, 5/16" x 2" (4-required)	15	9-7742	-	<b>3.00</b>
Bolt, 5/16" x 1" (8-required)	16	9-7743	-	<b>2.00</b>
Nut, 5/16" (12-required)		9-7744	-	<b>2.00</b>

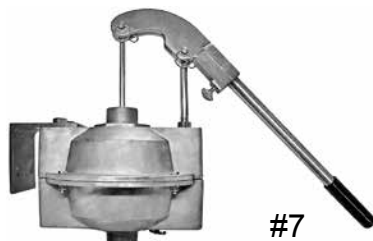
## PARTS FOR #900 HAN-D PUMPERS



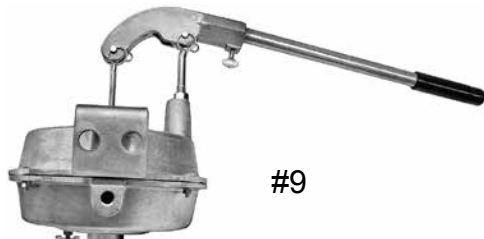
Description	Position	Part #	Weight	List
Diaphragm - #900	1	6-9763	1.0	<b>104.00</b>
Handle	2	9-7729	-	<b>37.00</b>
Grip	3	9-7730	-	<b>11.00</b>
Pump Body	4	9-7745	-	<b>422.00</b>
Fulcrum Pin	5	9-7732	-	<b>18.00</b>
Retainer Ring	6	9-7746	-	<b>151.00</b>
Fulcrum	7	9-7747	-	<b>92.00</b>
Suction Flange	8	9-7748	-	<b>101.00</b>
Discharge Flange	9	9-7749	-	<b>109.00</b>
Diaphragm Plates (2-required)	10	9-7750	-	<b>32.00</b>
Suction/Discharge Valve	11	9-7751	-	<b>38.00</b>
Fastpin	13	9-7740	-	<b>5.00</b>
Eyebolt w/Nuts	14	9-7741	-	<b>4.00</b>
Bolt, 5/16" x 2" (4-required)	15	9-7742	-	<b>3.00</b>
Bolt, 5/16" x 1" (8-required)	16	9-7743	-	<b>2.00</b>
Nut, 5/16" (12-required)		9-7744	-	<b>2.00</b>

# POWER & HAND PRIMERS

## HAND PRIMER


**#7**

\*3/4" FPT &amp; 1-1/2" MPT Base


**#9**

\*3/4" FPT Base

Description	Part #	Weight	List
#7 Hand Pumper	8-0610	7.0	<b>420.00</b>
#9 Hand Pumper	8-0620	20.0	<b>605.00</b>

Call for prices on the #5 Hand Primer, part # DP5

**Features:**

- Quick hand priming of any type of centrifugal pump, siphon tube or pump situation
- Lightweight and easy to install
- Durable and dependable
- Reinforced diaphragms are long-lasting
- Provides up to 20 feet of suction lift with ease and leverage
- New style allows for Fulcrum Bracket to be adjusted at various angles for your convenience.

### Primer Capacity Chart

Primer	# of Strokes to Prime Through 25' of 4" Suction			# of Strokes to Prime Through 25' of 6" Suction			# of Strokes to Prime Through 25' of 8" Suction		
	6.5' Lift	13' Lift	19.5' Lift	6.5' Lift	13' Lift	19.5' Lift	6.5' Lift	13' Lift	19.5' Lift
#7	6	15	32	12	33	65			
#9	4	9	20	10	23	45	17	37	77

### Primer Selection Chart:

Primer	Pipe Size
#7	4", 5", & 6"
#9	6", 8" or larger

**Features:**

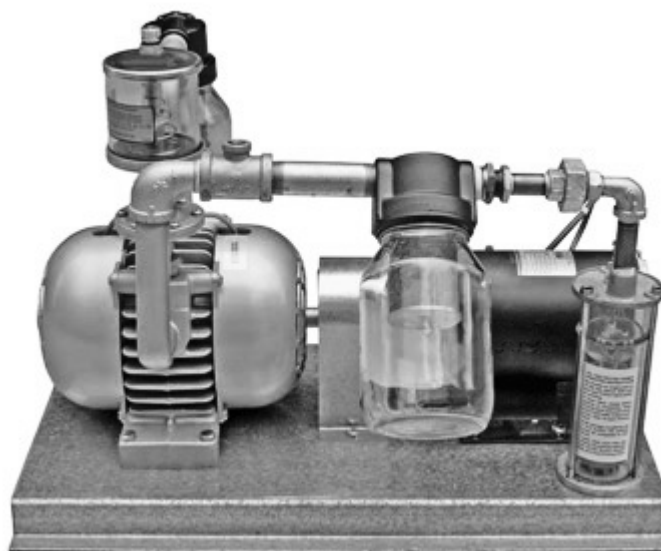
Lightweight and durable solid-cast aluminum body.  
 Reinforced diaphragms are long-lasting.  
 Steel mounting bracket allows for easy and dependable installation.  
 Fulcrum eyebolt can be adjusted at various angles for your convenience.

## POWER PRIMER

Description	Part #	Weight	List
35AC	6-9715	88.0	<b>3,817.00</b>
35DC (battery)	6-9716	85.0	<b>4,045.00</b>

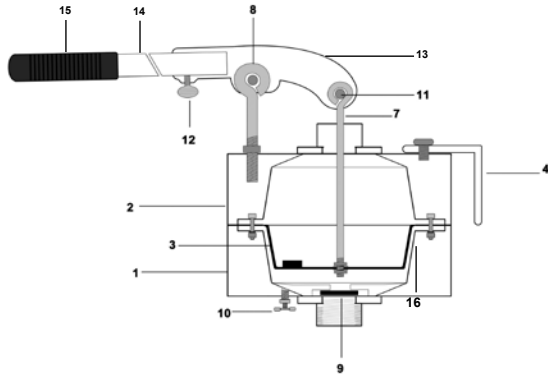
**Features:**

- Converts centrifugal pumps to self-primers.
- Fast, efficient primer for pumps with high suction lifts.
- Requires minimum maintenance.
- Ideal for diesel or gasoline-powered engines.



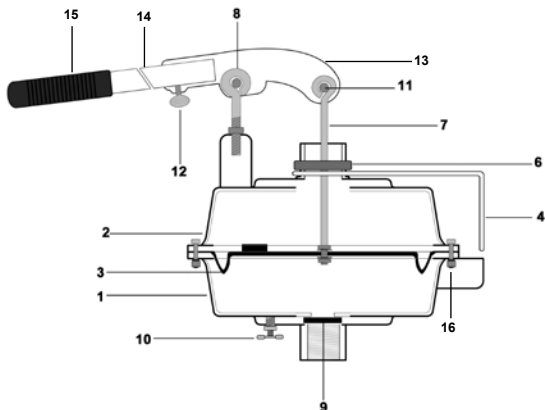
# HAND PRIMERS

## PARTS FOR #7 HAND PRIMER



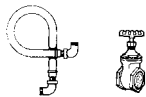
Description	Position	Part #	List
Diaphragm - #7	3	8-0631	80.00
Lower Housing	1	9-5353	159.00
Check Valve (Disc)	9	9-5355	4.50
Drain Cock	10	8-1102	13.00
Upper Housing	2	9-5354	159.00
Connecting Rod Assembly	7	8-1108	22.00
Handle Bracket	13	8-1111	88.00
Fast Pin (2 required)	11	8-1112	5.20
Fulcrum Eyebolt	8	9-5357	23.00
Mounting Bracket	4	9-5358	61.00
Thumb Screw	12	9-5359	5.50
Handle (Pipe)	14	9-5360	33.00
Handle Grip	15	9-5361	11.00
Bolt, Hex, 1/4"-20 x 1" (4 Required)	16	9-7655	1.00
Nut, Hex, 1/4"-20 (4 Required)	16	9-7656	0.20
Washer, Lock, 1/4" (4 Required)	16	9-7657	0.50

## PARTS FOR #9 HAND PRIMER



Description	Position	Part #	List
Diaphragm - #9	3	8-0621	105.00
Lower Housing	1	8-1100	184.00
Check Valve (Disc)	9	9-5355	4.50
Drain Cock	10	8-1102	13.00
Upper Housing	2	8-1103	183.00
Connecting Rod Assembly	7	8-1108	22.00
Lock Nut, 1-1/2"	6	8-1109	23.00
Fulcrum Eyebolt	8	8-1110	28.00
Handle Bracket	13	8-1111	88.00
Fast Pin (2 required)	11	8-1112	5.20
Mounting Bracket	4	8-1113	61.00
Thumb Screw	12	9-5359	5.50
Handle (Pipe)	14	9-5360	33.00
Handle Grip	15	9-5361	11.00
Bolt, Hex, 1/4"-20 x 1" (4 Required)	16	9-7655	1.00
Nut, Hex, 1/4"-20 (4 Required)	16	9-7656	0.20
Washer, Lock, 1/4" (4 Required)	16	9-7657	0.50

## PRIMER HOSE KIT



Description	Part #	Weight	List
3/4" MPT x 3/4" MPT	8-0622	-	79.00

## DIAPHRAGMS



Description	OD	Part #	Weight	List
#5 Diaphragm B-183	5.61"	8-0629	0.2	65.00
#6 Diaphragm		8-0611	0.4	73.00
#7 Diaphragm C-106	7.75"	8-0631	1.0	80.00
#9 Diaphragm B-61	9.84"	8-0621	1.9	105.00
Wade Rain - Travis - Rovatti #9-30-3		8-0613	-	28.00



# INTAKE MANIFOLD PRIMER EXHAUST PRIMER

## INTAKE MANIFOLD PRIMER

Description	Part #	Weight	List
MP1000 (Old Style)	8-0630	2.7	410.00
MP2000 (New Style)	9-7910	-	405.00



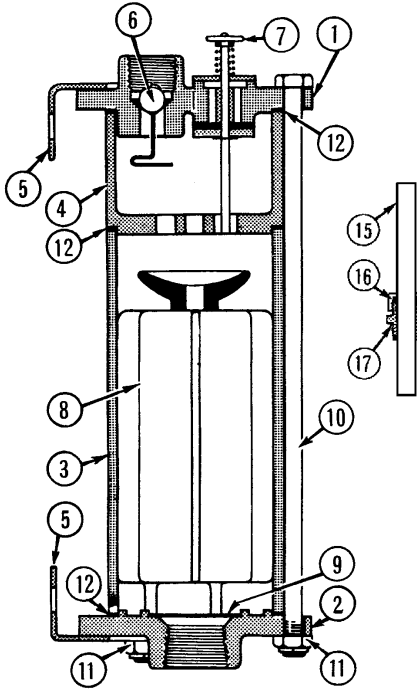
MP1000 (Old Style)

MP2000 (New Style)

**Features:**

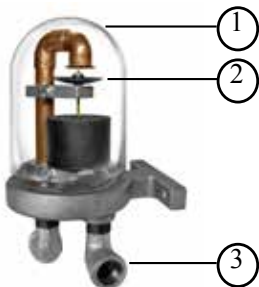
- Fast, efficient priming using engine manifold vacuum while engine runs at low speed.
- All working parts enclosed in fully transparent plastic housing permits observation of primer operation at all times.
- Lightweight plastic float with rubber "cup type" valve provides instant and positive closure as soon as priming is completed.
- Check valve prevents reverse flow during normal pump operation.
- Easy to operate...simply start engine and open one valve to begin priming.
- Can be readily installed on any gasoline or LPG engine of four or more cylinders to provide suction lifts up to 20 feet.
- Complete operation instructions are permanently attached to the primer, and detailed instructions for installation and maintenance are supplied with each unit.
- Connection hoses not included.

## PARTS FOR INTAKE MANIFOLD PRIMER



### MP1000 (Old Style)

Description	Position	Part #	List
Upper Housing	4	8-0633	45.00
Lower Housing	3	8-0634	45.00
Gaskets (3 in a set)	12	8-0635	5.00
Top Cover Assembly	1/6/7	8-1120	135.00
Lower Cover Assembly	2/9	8-1121	80.00
Brackets	5	8-1122	19.00
Tie Bolts & Nuts	10/11	8-1123	15.00
Float Assembly	8	8-1124	48.00
Angle Valve	14	8-1125	53.50
Packing Gland Assembly	15/16/17	8-1126	30.40



### MP2000 (New Style)

Description	Position	Part #	List
Cover Jar	1	9-7914	136.00
Umbrella Drain Valve	2	9-7915	19.00
Street Elbow, 1/2" (2 Req.)	3	9-5754	6.70

\*Please note that any additional parts not seen here are factory install only. Do not attempt to replace any items not seen in the chart to the right.

Pumps



**MAGNETIC SWITCH**

Description	Part #	Weight	List
Murphy #117 DC (12/24 Volt)	6-0020	0.8	<b>71.00</b>
Murphy #518APH (12 Volt) (has 6 prongs for Deutz diesels)	6-0021	0.7	<b>92.00</b>

A manually reset magnetic Circuit Breaker which is tripped by a switch gauge when a malfunction is detected. It is commonly used to break the ignition circuit of a distributor ignition engine or break power to a solenoid fuel valve when it receives a signal from the switch gauge.

**OIL PRESSURE GAUGE**

Description	Part #	Weight	List
75 psi Murphy, #20P75	6-0022	0.5	<b>73.00</b>
100 psi Murphy, #20P100	6-0023	0.9	<b>70.00</b>

This is a basic engine or pump oil pressure switch gauge.

**ENGINE TEMPERATURE GAUGE**

Description	Part #	Weight	List
Murphy 20T254, 250°F Water	6-0024	0.8	<b>97.00</b>

This Temperature switch gauge is available in various models and ranges to prevent engine damage from high water oil or cylinder head temperature.

**VACUUM/LOAD GAUGE**

Description	Part #	Weight	List
Murphy 20V3	6-0025	0.6	<b>113.00</b>

Commonly used to monitor manifold vacuum for loss of load or overload on spark ignition engines, vacuum switch gauges are recommended for preset limit shut-down of irrigation engines.

**OIL LEVEL SAFETY GAUGE**

Description	Part #	Weight	List
Murphy L129	6-0026	3.0	<b>220.00</b>

Combination high and low engine oil level switch gauge gives continuous indication of the oil level and condition. No need to shut down to check oil level. Adjustable high and low level contacts operate to shutdown engine or operate alarm when improper level exists.

## WATER LEVEL SAFETY GAUGE



Description	Part #	Weight	List
Murphy , L150	6-0027	1.8	161.00

Coolant level SWITCHGAUGE can be visually checked with this water level SWITCHGAUGE. If the water level falls too low, contact is made and the engine shutdown system is activated (or alarm is sounded.)

## FUEL STOP SOLENOID



Description	Part #	Weight	List
Murphy, SV12	6-0028	1.4	175.00

- Solenoid Fuel Valve to shut off the fuel to Diesel engines upon engine or driven equipment malfunction.

## PUMP PRESSURE GAUGE



Description	Part #	Weight	List
Murphy, 20P7-15	9-5252	0.5	95.00
Murphy, 20P7-30	9-5254	-	95.00
Murphy, 20P7-50	9-5256	-	95.00
Murphy, 20P7-75	9-5257	0.5	95.00
Murphy, 20P7-100	9-5251	0.5	95.00
<b>Murphy, 20P7-150</b>	<b>9-5253</b>	0.5	<b>95.00</b>
Murphy, 20P7-300	9-5255	-	95.00

Monitors Discharge Pressure to detect water supply failure or parted couplings.

## STANDARD MURPHY MOUNT PANEL



Description	Part #	Weight	List
Murphy, WD300-12	6-0030	5.0	568.00

- Designed for mobile equipment such as trucks, tractors, and fork lifts
- Open panel for under dash mounting.
- Pressure, temperature, visual and audible alarms, before shutdown.

## ACCESSORIES



Toggle Switch



Amp Meter



Stop Button

Description	Part #	Weight	List
Murphy Toggle Switch, TF	6-9704	-	28.00
Murphy Amp Meter, 60060	6-9705	-	55.00
Murphy Stop Button, PB128S	6-9706	-	15.00

# GENERATORS - WIRE

## LIMA GENERATOR



LIMA<sup>MAC</sup>

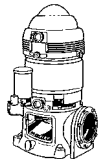
Description	Part #	Weight	List
10 KW	6-8012	245.0	<b>6,545.00</b>
12 KW	6-8013	260.0	<b>7,040.00</b>
15 KW	6-8014	275.0	<b>7,920.00</b>
20 KW	9-7687	560.0	<b>10,450.00</b>
25 KW	9-8342	635.0	<b>11,770.00</b>
30 KW	9-8343	685.0	<b>12,595.00</b>
40 KW	9-8344	720.0	<b>13,640.00</b>

## WIRE



Description	Part #	Weight	List
Aluminum, Single	6-6800	-	<b>Call</b>
Aluminum, Triplexed	6-6801	-	<b>Call</b>
Aluminum, Quadraplexed	6-6802	-	<b>Call</b>
Aluminum, Tuf-Hide	6-6803	-	<b>Call</b>
Underground Feeder, UF	6-6804	-	<b>Call</b>

## ELECTRIC MOTOR



Base is not included.

Description	Part #	Weight	List
Marathon	-	-	<b>Call</b>
Baldor	-	-	<b>Call</b>
Others	-	-	<b>Call</b>

## GEAR HEAD



Description	Part #	Weight	List
Amarillo	-	-	<b>Call</b>
Johnson	-	-	<b>Call</b>
Randolph	-	-	<b>Call</b>

## PROP-SHAFT GUARD



Description	Part #	Weight	List
7" dia x 10" - 18"	6-9822	6.0	<b>80.00</b>
7" dia x 24" - 42"	6-9823	12.0	<b>85.00</b>
7" dia x 36" - 54"	6-9824	15.0	<b>90.00</b>
7" dia x 36" - 66"	6-9825	18.0	<b>115.00</b>
12" dia x 14" - 24"	6-9826	13.0	<b>120.00</b>
12" dia x 36" - 66"	6-9827	27.0	<b>175.00</b>
12" dia x 28" - 54"	6-9828	28.0	<b>190.00</b>

Unprotected prop-shaft on your irrigation wells can maim or kill almost instantly. Prevent potential tragedy, rest easy during pumping season with a Hastings Prop-Shaft guard permanently in place at each of your wells. They are simple and fast to install - using existing bolts on most pumps and engines. Once on, they stay on. You have easy full access for lubrication through a 2" slot on the underside. Formed from heavy-gauge galvanized steel, the guard will give your well a neat, clean appearance - and you will be assured of safety around the clock!

### Special Features:

- Meets OSHA requirements
- Endorsed by farm safety authorities
- Protection against loss of life or limb
- Adapts to any internal combustion engine, gear head installation

- Slips easily over prop-shaft and bolts to engine and pump
- Complete access for lubrication through 2" wide opening running the length of guard
- Rigid construction from galvanized steel. Withstands abuse and stays neat-appearing year after year.

## AUTOMATIC TURBINE PUMP OILER



Description	Part #	Weight	List
4 Gallon	6-8098	11.0	<b>582.00</b>
7gallon	6-8099	15.0	<b>662.00</b>
11 Gallon	9-7665	-	<b>769.00</b>
Brass Needle Valve	9-7554	-	<b>79.00</b>

Advantages: Automatic operation assures lubrication whenever the pump is pumping, this helps avoid inadequate oil dripping which is the leading cause of turbine pump failure.

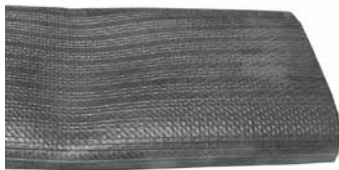
- Inadequate drip oiling is the leading cause of pump failure.
- Continuous dripping wastes oil and causes contamination.
- This automatic valve assures lubrication when pump is running.
- Saves costly trips to the well.
- Manual mode for pre-season lubrication.

# Municipal/Industrial Hose & Fittings

Schumacher Irrigation, Inc. is "Your Liquid Solutions Provider"

We fabricate and distribute a full line of hose and accessories, couplings, clamps, fittings, valves, pumps, and suction and vacuum accessories for industry and liquid / waste water handling applications.

We pride ourselves on our same day service on both standard and custom parts. Please call us for quick and quality liquid solutions.



Conversions		
1 U.S. Gallon	=	231.00 cu. In
		0.1370 cu. Ft
		3.7850 liters
		0.0038 cu. Meters
		0.8330 Imp. Gal.
		0.0238 42-gal. Barrel
1 Imperial Gallon	=	1.20 U.S. Gal.
1 Cubic Foot	=	7.48 U.S. Gal.
		0.0283 cu. Meters
1 Barrel (Oil)	=	42.00 U.S. Gal.
1 Litre	=	0.2642 U.S. Gal.
1 Cubic Meter	=	35.3140 cu. Ft
		264.20 U.S. Gal.
1 Acre Foot	=	43,560.00 cu. Ft
		325,829.00 U.S. Gal.
1 Acre Inch	=	3,630.00 cu. Ft
		27,100.00 U.S. Gal.
Capacity		
1 Cubic Foot Per Second	=	449.00 GPM
1 Acre Foot Per Day	=	227.00 GPM
1 Acre Inch Per Hour	=	454.00 GPM
1 Litre Per Second	=	15.85 GPM
1 Cubic Meter Per Min.	=	264.20 GPM
1 Miner's Inch	=	9.00 GPM
1,000,000 Gal. Per Day	=	695.00 GPM
Head		
1 PSI	=	2.31 Ft. Head of Water
		2.04 In. Mercury
		0.07 Kg. Per sq. cm.
1 Foot of Water	=	0.43 PSI
		0.89 In. Mercury
1 Inch of Mercury (Vacuum)	=	1.13 Ft. of Water
1 Kilogram Per Square Cm	=	14.22 PSI
1 Atmosphere (at sea level)	=	14.70 PSI
		34.00 Ft. of Water
		10.35 Meters of Water
Weight		
1 U.S. Gallon of Water	=	8.33 Lbs
1 Cubin Foot of Water	=	62.35 Lbs
1 Kilogram or Litre	=	2.20 Lbs
1 Imperial Gallon	=	10.20 Lbs

Length		
1 Inch	=	2.54 Centimeters
1 Meter	=	3.28 Feet
		39.37 Inches
1 Rod	=	16.50 Feet
1 Mile	=	5,280.00 Feet
Horsepower		
1 Horsepower	=	7.46 Kilowatts or 746 watts
		33,000.00 Ft lbs per minute
		550.00 ft lbs per second
Horsepower Input	=	Horsepower input to motor 1.34 x kilowatts input to motor
Water Horsepower	=	H.P. required to lift water at a definite rate to a given distance assuming 100% efficiency: $\frac{\text{GPM} \times \text{Total Head (in. ft.)}}{3960}$
Brake Horsepower	=	H.P. delivered by motor H.P. required by pump H.P. input x motor efficiency 1.34 x KW input x motor efficiency
		Water H.P.
		Pump efficiency
		$\frac{\text{GPM times total head (ft)}}{3960 \times \text{pump efficiency}}$
		$\frac{\text{GPM times total head (psi)}}{103,000 \times \text{pump efficiency}}$
Efficiency		
Efficiency	=	Power output / Power input
Motor Efficiency	=	H.P. output / K.W. input x 1.34
Pump Efficiency	=	GPM x Total Head (Ft) / 3930 x B.H.P
Plant Efficiency	=	GPM x Total Head (Ft) / 5300 x KW input

Pumps

### PIPE DIMENSION CHART

PIPE TYPE	LHD	80	100	125	CL63	CL100	CL125	CL160	CL200	SCH40 PVC	SCH80 PVC	C-900	SEWER	CASING
O.D. SIZE	PIP	PIP	PIP	PIP	IPS	IPS	IPS	IPS	IPS	IPS	IPS		PVC	PVC
SDR	91	51	41	32.5	64	41	32.5	26	21	DWV/LP	DWV/LP	DR-18	SDR 35	SDR26
4"	O.D.				4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	4.215	4.5
	I.D.				4.35	4.26	4.2	4.134	4.046	3.998	3.786	4.22	3.89	4.154
	WALL				0.07	0.11	0.138	0.173	0.214	0.237	0.337	0.267	0.125	0.173
	PSI				63	100	125	160	200	100/130	100/130	150	117.5	160
4 1/2"	O.D.													4.95
	I.D.													4.57
	WALL													0.19
	PSI													160
5"	O.D.				5.563	5.563	5.563	5.563	5.563	5.563	5.563			5.563
	I.D.				5.37	5.27	5.19	5.109	4.99	5.017	4.767			5.135
	WALL				0.087	0.136	0.171	0.214	0.265	0.258	0.375			0.214
	PSI				63	100	125	160	200	100/130	100/130			160
6"	O.D.	6.14	6.14	6.14	6.625	6.625	6.625	6.625	6.625	6.625	6.625	6.9	6.275	6.625
	I.D.	6	5.88	5.81	5.73	6.4	6.27	6.18	6.07	5.94	6.031	6.08	5.742	6.115
	WALL	0.07	0.12	0.15	0.189	0.087	0.162	0.204	0.255	0.316	0.28	0.383	0.18	0.255
	PSI	43	80	100	125	63	100	125	160	200	100/130	150	117.5	160
8"	O.D.	8.16	8.16	8.16	8.625	8.625	8.625	8.625	8.625	8.625	8.625	9.05	8.4	8.625
	I.D.	7.984	7.81	7.73	7.62	8.33	8.17	8.05	7.921	7.74	7.943	7.97	7.665	7.962
	WALL	0.088	0.16	0.199	0.251	0.135	0.21	0.265	0.332	0.41	0.322	0.503	0.24	0.332
	PSI	43	80	100	125	63	100	125	160	200	100/130	150	117.5	160
10"	O.D.	10.2	10.2	10.2	10.75	10.75	10.75	10.75	10.75	10.75	10.75	11.1	10.5	10.75
	I.D.	9.98	9.77	9.66	9.52	10.41	10.18	10.04	9.86	9.65	9.976	11.63	9.563	9.87
	WALL	0.11	0.2	0.249	0.314	0.168	0.262	0.331	0.413	0.511	0.365	0.733	0.3	0.413
	PSI	43	80	100	125	63	100	125	160	200	100/130	150	117.5	160
12"	O.D.	12.24	12.24	12.24	12.75	12.75	12.75	12.75	12.75	12.75	12.75	13.2	12.5	12.75
	I.D.	11.97	11.72	11.6	11.43	12.32	12.08	11.91	11.7	11.45	11.89	11.63	11.36	11.7
	WALL	0.132	0.24	0.299	0.377	0.199	0.311	0.392	0.49	0.606	0.406	0.733	0.36	0.49
	PSI	43	80	100	125	63	100	125	160	200	100	150	117.5	160
14"	O.D.					after 12"		14		14	14	15.3	same	
	I.D.					is pip		12.86		13.07	12.41	13.48	OD as	
	WALL					size		0.538		0.437	0.75	0.85	pip after	
	PSI							160		100	100	235	12"	
15"	O.D.	15.3	15.3	15.3	15.3	15.3							15.3	
	I.D.	14.97	14.65	14.5	14.29	14.82	14.5						13.89	
	WALL	0.165	0.3	0.373	0.471	0.239	0.373						0.44	
	PSI	43	80	100	125	63	100						117.5	
16"	O.D.							16		16	16	17.4		
	I.D.							14.696		14.94	14.21	15.33		
	WALL							0.615		0.5	0.843	0.967		
	PSI							160		100	100	235		
18"	O.D.	18.36	18.701	18.701	18.701		18	18		18	18	19.5	18.701	
	I.D.	17.964	17.91	17.72	17.47		17.07	16.534		16.809	16.014	17.18	17.629	
	WALL	0.198	0.367	0.456	0.575		0.439	0.692		0.562	0.937	1.083	0.536	
	PSI	43	80	100	125		100	160		100	100	235	117.5	
20"	O.D.	20.4					20	20		20	20	21.6		
	I.D.	19.962					18.97	18.37		18.743	17.814	19.03		
	WALL	0.219					0.488	0.769		0.593	1.031	1.2		
	PSI	43					100	160		100	100	235		
21"	O.D.		22.047	22.047	22.047								22.047	
	I.D.		21.12	20.89	20.59								20.783	
	WALL		0.432	0.538	0.678								0.632	
	PSI		80	100	125								117.5	
24"	O.D.		24.803	24.803	24.803		24	24		24	24		24.8	
	I.D.		23.76	23.5	23.17		22.748	22.043		22.54	21.418		23.381	
	WALL		0.486	0.605	0.763		0.585	0.923		0.687	1.218		0.711	
	PSI		80	100	125		100	160		100	100		117.5	



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