



**2014**

**Agricultural Irrigation Products Catalog**

**SCHUMACHER**  
IRRIGATION, INC.

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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 cancelled at the option of SCHUMACHER IRRIGATION, INC. If the request is received prior to shipment. **Nonstandard/Custom-built** items may not be cancelled 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.

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*Your Irrigation Superstore*

## LIABILITY

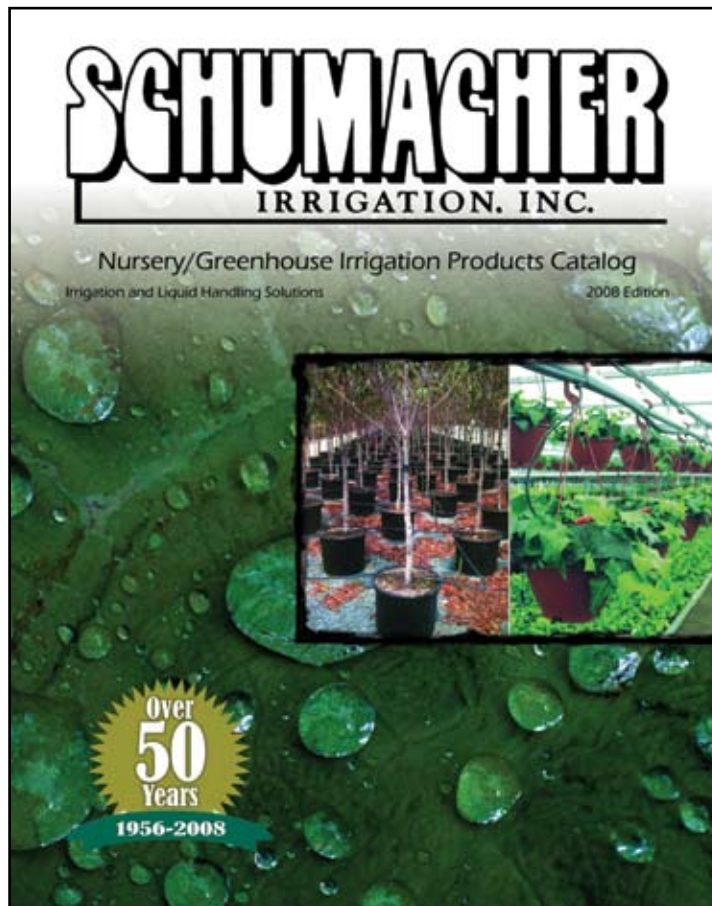
SCHUMACHER IRRIGATION, INC. is not responsible for delays and losses beyond our control or for losses or damages due to application of equipment for uses other than that for which it is designed or for operation under pressures not recommended. Suitability of the merchandise for the job for which it 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.

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# Nursery/Greenhouse Irrigation Catalog

Also ask for your new Nursery/Greenhouse/Grower Catalog featuring drip/micro, sprinkler, and other irrigation products pertaining to the nursery & greenhouse industry.



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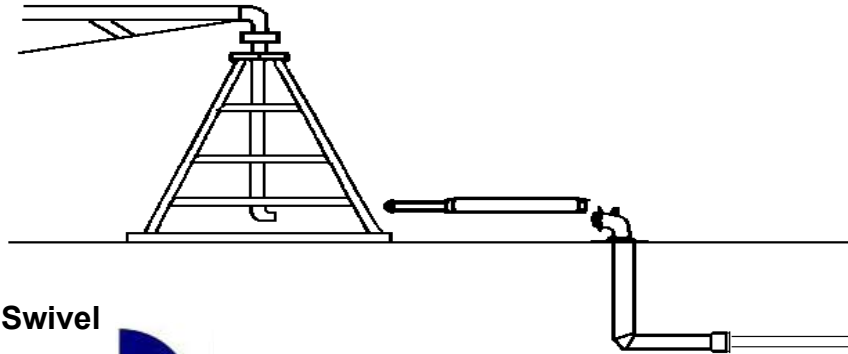
# Section One



**Powder Coated Steel Fittings**  
**Galvanized Steel Fittings**  
**PVC Fittings**  
**Riser Valves**  
**Clamp-on Saddles, Couplers,**  
**Male Ends**  
**Repair Couplers**

**PVC Accessories**  
**Bolt-on Dresser Fittings**  
**Solvent PVC Pipe Fittings**  
**Gasketed PVC Pipe Fit-**  
**tings**  
**Drain Fittings**





60"



**ELBOW**

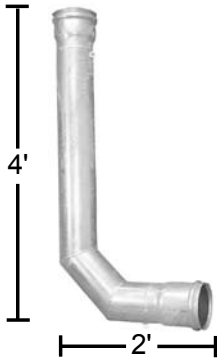
Elbow on top swivels in a complete 360° circle to face any direction needed.

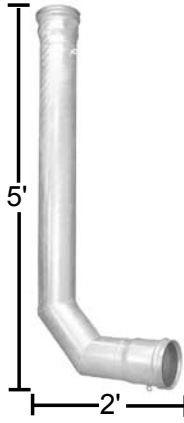
The above elbow is used along side the pivot pad. The elbow can be removed so that when the pivot is moved from one pad to another the "L" will be flush with the ground.

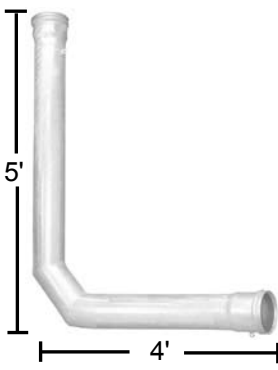


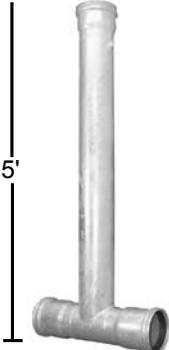
# STEEL UNDERGROUND FITTINGS



Product	Description	Part Number	Weight	List Price	
<b>J PIPE</b> (GALVANIZED STEEL)	6" PIP	6-2000	36.0		
	8" PIP	6-2001	48.5		
	10" PIP	6-2002	61.7		
	12" PIP	6-2003	76.4		
	4" IPS	8-1419	22.5		
	6" IPS	6-2004	33.2		
	8" IPS	6-2005	48.5		
	10" IPS	6-2006	61.7		
	12" IPS	6-2007	76.4		
					
	<p>J Pipe: 48" x 24" Female Bottom PIP/IPS Female RL OD Top UPS Shippable.</p> <p>* Metric sizes available, please call. * 12 ga. tubing (optional 11,10, or 7)</p>				

<b>L PIPE (SHORT BASE)</b> (GALVANIZED STEEL)	6" PIP	6-1981	41.1		
	8" PIP	6-1982	55.3		
	10" PIP	6-1983	70.2		
	12" PIP	6-1984	86.6		
	4" IPS	8-1418	25.9		
	6" IPS	6-1991	41.1		
	8" IPS	6-1992	55.3		
	10" IPS	6-1993	70.2		
	12" IPS	6-1994	86.6		
					
	<p>L Pipe: 60" x 24" Female Bottom PIP/IPS Female Top OD.</p> <p>* Metric sizes available, please call. * 12 ga. tubing (optional 11,10, or 7) * Longer Base add -L to part #.</p>				

<b>L PIPE (LONG BASE)</b> (GALVANIZED STEEL)	6" PIP	6-1981-L	54.7		
	8" PIP	6-1982-L	73.3		
	10" PIP	6-1983-L	92.8		
	12" PIP	6-1984-L	113.8		
	4" IPS	8-1418-L	34.9		
	6" IPS	6-1991-L	54.7		
	8" IPS	6-1992-L	73.3		
	10" IPS	6-1993-L	92.8		
	12" IPS	6-1994-L	113.8		
					
	<p>L Pipe: 60" x 40" Female Bottom PIP/IPS Female Top OD.</p> <p>* Metric sizes available, please call. * 12 ga. tubing (optional 11,10, or 7)</p>				

<b>T PIPE</b> (GALVANIZED STEEL)	6" PIP	6-1986	42.0	
	8" PIP	6-1987	56.5	
	10" PIP	6-1988	72.7	
	12" PIP	6-1989	76.4	
	4" IPS	8-1420	25.5	
	6" IPS	6-1996	42.0	
	8" IPS	6-1997	56.5	
	10" IPS	6-1998	72.7	
	12" IPS	6-1990	89.4	
				
<p>T Pipe: 60" x 24" Double Female Bottom PIP/IPS Female RL OD Top</p> <p>* Metric sizes available, please call. * 12 ga. tubing (optional 11,10, or 7)</p>				

Special fittings will be made to order, please call.

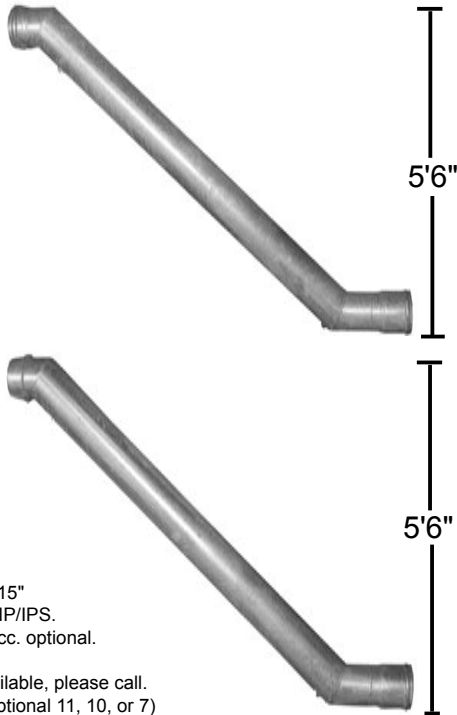
Powder coated fittings are fusion bonded with a Pratt & Lambert epoxy that is virtually indestructible.

Galvanized coating is also very durable and long-lasting.

# STEEL UNDERGROUND FITTINGS

Underground Fittings

**Product**  
**Z PIPE (SHORT BASE)**  
(GALVANIZED STEEL)



Z Pipe: 15"x84"x15"  
Female Bottom PIP/IPS.  
Nipples & other acc. optional.

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

**Description**      **Part Number**      **Weight**      **List Price**

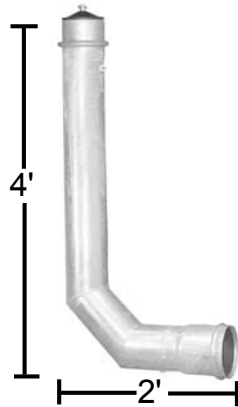
**Female RL Top:**

6" PIP	6-1961	59.8	
8" PIP	6-1962	80.0	
10" PIP	6-1963	101.3	
12" PIP	6-1968	124.0	
4" IPS	8-1416	38.3	
6" IPS	6-1971	59.8	
8" IPS	6-1972	80.0	
10" IPS	6-1973	101.3	
12" IPS	6-1969	124.0	

**Male RLTop:**

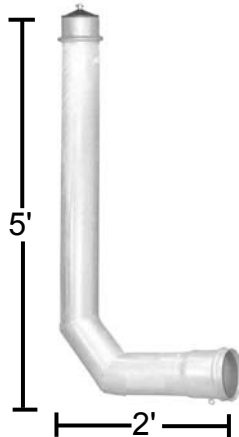
6" PIP	6-1964		
8" PIP	6-1965		
10" PIP	6-1966	102.8	
12" PIP	6-1967	130.8	
4" IPS	8-1417	38.3	
6" IPS	6-1974	61.4	
8" IPS	6-1975	81.1	
10" IPS	6-1976	106.9	
12" IPS	6-1977	130.8	

**RISER VALVE J**  
(GALVANIZED STEEL)



6"x4"	PIP x valve	9-7850	43.9
6"x6"	PIP x valve	6-4001	39.0
8"x4"	PIP x valve	9-7851	53.8
8"x6"	PIP x valve	9-7852	63.7
8"x8"	PIP x valve	6-4002	59.0
6"x4"	IPS x valve	9-7853	43.9
6"x6"	IPS x valve	6-4005	39.0
8"x4"	IPS x valve	9-7854	53.8
8"x6"	IPS x valve	9-7855	63.7
8"x8"	IPS x valve	6-4006	59.0

**RISER VALVE L (SHORT BASE)**  
(GALVANIZED STEEL)



6"x4"	PIP x valve	8-1410	48.4
6"x6"	PIP x valve	8-1324	44.1
8"x4"	PIP x valve	8-1412	58.3
8"x6"	PIP x valve	8-1414	70.5
8"x8"	PIP x valve	8-1326	65.8
6"x4"	IPS x valve	8-1411	48.4
6"x6"	IPS x valve	8-1325	44.1
8"x4"	IPS x valve	8-1413	58.3
8"x6"	IPS x valve	8-1415	70.5
8"x8"	IPS x valve	8-1327	65.8

# WELD-ON & PVC FITTINGS



Product	Description	Part Number	Weight	List Price
---------	-------------	-------------	--------	------------

## STEEL NIPPLE (WELDED ON)



	2"	6-2960	0.5
	3"	6-2961	1.5
	4"	6-2962	2.7

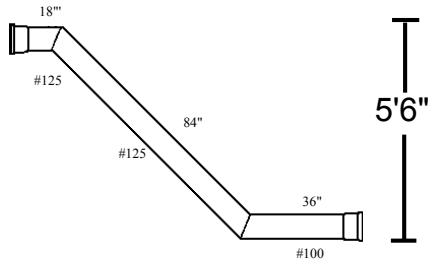
Nipples welded on for air relief, surge plug, etc.

## STEEL ARM (WELDED ON)



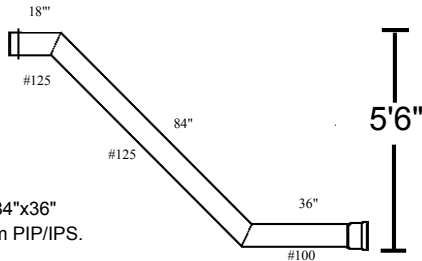
Male Thread	2"	6-2963	2.6
	3"	6-2934	5.5
	4"	6-2935	8.5
Female Thread	2"	6-2936	2.5
	3"	6-2937	5.4
	4"	6-2938	7.7

## Z PIPE (PVC)



### Female Top:

6" PIP	6-2700	29.2
8" PIP	6-2701	53.3
10" PIP	6-2702	78.5
12" PIP	6-2703	100.5
6" IPS	6-2704	33.8
8" IPS	6-2705	61.0
10" IPS	6-2706	91.3
12" IPS	6-2707	107.3

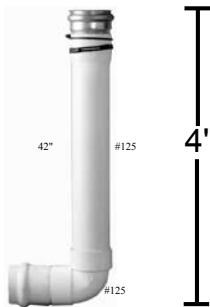


### Male Top:

6" PIP	6-2708	29.2
8" PIP	6-2709	52.3
10" PIP	6-2710	79.0
12" PIP	6-2711	97.5
6" IPS	6-2712	33.8
8" IPS	6-2713	60.0
10" IPS	6-2714	91.8
12" IPS	6-2715	106.3

Z Pipe: 16"x84"x36"  
Female Bottom PIP/IPS.

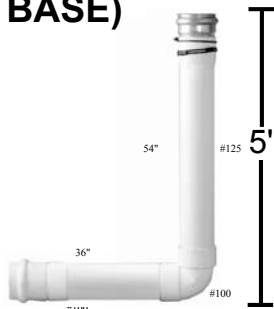
## J PIPE (PVC)



6" PIP	6-2724	12.1
8" PIP	6-2725	35.8
10" PIP	6-2726	31.5
12" PIP	6-2727	39.5
6" IPS	6-2728	12.1
8" IPS	6-2729	36.0
10" IPS	6-2730	31.5
12" IPS	6-2731	39.5

48" x 20"  
Female Bottom PIP/IPS  
Female Top OD  
UPS Shippable

## L PIPE (LONG BASE) (PVC)



6" PIP	6-2716	20.9
8" PIP	6-2717	36.4
10" PIP	6-2718	52.7
12" PIP	6-2719	72.8
6" IPS	6-2720	23.9
8" IPS	6-2721	41.6
10" IPS	6-2722	60.5
12" IPS	6-2723	81.5

60" x 40"  
Female Bottom PIP/IPS  
Female Top OD

Product	Description	Part Number	Weight	List Price
<b>AIR RELIEF VALVE</b> (CAST ALUM)	Standard	1.5"	6-1909	1.2
		2"	6-1910	1.6
		3"	6-1912	3.1
		4"	6-1913	6.0
	Continuous	2"	9-7829	6.0
		3"	9-7830	9.7
		4"	9-7831	-

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)



Guardian      Continuous

Guardian	1"	65ARIA100	9-6952	0.2
	2"	65ARIA2	9-6953	0.3
	3"	65ARIA3	9-6954	0.7
Continuous	2"	65ARIB2	9-6951	1.1

**Advantages**

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

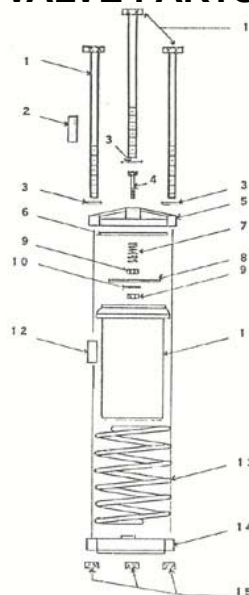
## TRI-ACTION VALVE (CAST ALUMINUM)



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

3"	0-50 psi	6-1915	17.0
3"	50-160 psi	6-1914	24.0


## TRI-ACTION VALVE PARTS

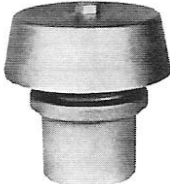




Hanger Bolt (3 req.)	1	9-7453	-
Decal	2	9-7454	-
Hanger Washer (3 req.)	3	9-7455	-
Valve Disc Stem	4	9-7456	-
Head Cap	5	9-7457	-
Cap Gasket	6	9-7458	-
Retainer Spring	7	9-7459	-
Valve Disc	8	9-7460	-
Stem Nut (2 req.)	9	9-7461	-
Washer	10	9-7462	-
Valve Body	11	9-7463	-
Gauge Indicator	12	9-7464	-
Compression Spring	13	9-7465	-
Hanger	14	9-7466	-
Hanger Bolt Nut (3 req.)	15	9-7467	-

# PRESSURE RELIEF VALVES



Product	Description	Part Number	Weight	List Price
<b>PRESSURE RELIEF VALVE</b> <b>4" FPT</b> 	<b>4" FPT</b>	<u>Threads on Bolt</u>		
	Cast Alum.	50#	6-1919	5.5
		80# 9	6-1920	5.5
		100# 12	6-1921	5.5
		125# 3	6-1922	6.0
		160#	6-1923	6.0

Product	Description	Part Number	Weight	List Price
<b>PRESSURE RELIEF VALVE</b> <b>3" FPT</b>  Cast Alum.  Steel Galv.	<b>3" FPT</b>			
	Cast Alum.	80#	9-6822	6.0
	Steel Galv.	85#	9-6823	-

Product	Description	Part Number	Weight	List Price
<b>PRESSURE RELIEF VALVE</b> <b>FIELD SET</b> (CAST IRON)  <b>Pressure Guard™</b>	<b>2" FPT</b>	<b>PSI Range</b>	<b>Spring Color</b>	
		0-25#	Gray	9-7832
		30-40#	Yellow	9-7833
		45-85#	Black	9-7834
		85-150#	Yellow/Blue	9-7835
	<b>2-1/2" FPT</b>			
		0-25#	Gray	9-7836
		30-40#	Yellow	9-7837
		45-85#	Black	9-7838
		85-150#	Yellow/Blue	9-7839
	<b>3" FPT</b>			
		0-25#	Gray	9-7840
		30-40#	Yellow	9-7841
		45-85#	Black	9-7842
		85-150#	Yellow/Blue	9-7843
	<b>4" FPT</b>			
	0-25#	Gray	9-7844	
	30-40#	Yellow	9-7845	
	45-85#	Black	9-7846	
	85-150#	Yellow/Blue	9-7847	

Features:  
 \* Cast Iron Body  
 \* Brass Guide Bushing  
 \* Stainless Guide Rod

# RISER VALVE TEES IPS

Underground Fittings

Product	Description	Part Number	Weight	List Price	
<b>RISER VALVE TEE</b> (GALVANIZED STEEL)		<u>PIP</u>	<u>IPS</u>		
	4"x4"x4"x30"	-	6-3915	17.8	
	4"x4"x4"x36"	-	6-3916	20.1	
	4"x4"x4"x42"	-	6-3917	22.3	
	4"x4"x4"x54"	-	6-3918	26.8	
	6"x6"x4"x30"	6-3921	6-3925	27.2	
	6"x6"x4"x36"	6-3922	6-3926	29.5	
	6"x6"x4"x42"	6-3923	6-3927	31.7	
	6"x6"x4"x54"	6-3924	6-3928	36.2	
	8"x8"x4"x30"	6-3931	6-3935	32.3	
	8"x8"x4"x36"	6-3932	6-3936	34.6	
	8"x8"x4"x42"	6-3933	6-3937	36.8	
	8"x8"x4"x54"	6-3934	6-3938	41.3	
	10"x10"x4"x30"	6-3941	6-3945	39.5	
	10"x10"x4"x36"	6-3942	6-3946	41.7	
	10"x10"x4"x42"	6-3943	6-3947	44.0	
	10"x10"x4"x54"	6-3944	6-3948	48.5	
	12"x12"x4"x30"	6-3951	6-3955	44.6	
	12"x12"x4"x36"	6-3952	6-3956	46.9	
	12"x12"x4"x42"	6-3953	6-3957	49.1	
	12"x12"x4"x54"	6-3954	6-3958	53.6	
			<u>PIP</u>	<u>IPS</u>	
	6"x6"x6"x30"	6-3961	6-3965	36.0	
	6"x6"x6"x36"	6-3962	6-3966	39.4	
	6"x6"x6"x42"	6-3963	6-3967	42.8	
	6"x6"x6"x54"	6-3964	6-3968	49.6	
	8"x8"x6"x30"	6-3971	6-3975	41.4	
	8"x8"x6"x36"	6-3972	6-3976	44.8	
	8"x8"x6"x42"	6-3973	6-3977	48.2	
	8"x8"x6"x54"	6-3974	6-3978	55.0	
	10"x10"x6"x30"	6-3981	6-3985	49.0	
	10"x10"x6"x36"	6-3982	6-3986	52.4	
	10"x10"x6"x42"	6-3983	6-3987	55.8	
	10"x10"x6"x54"	6-3984	6-3988	62.6	
	12"x12"x6"x30"	6-3991	6-3995	54.5	
12"x12"x6"x36"	6-3992	6-3996	57.9		
12"x12"x6"x42"	6-3993	6-3997	61.3		
12"x12"x6"x54"	6-3994	6-3998	68.1		
		<u>PIP</u>	<u>IPS</u>		
8"x8"x8"x30"	8-1300	8-1304	58.0		
8"x8"x8"x36"	8-1301	8-1305	62.5		
8"x8"x8"x42"	8-1302	8-1306	67.0		
8"x8"x8"x54"	8-1303	8-1307	76.0		
10"x10"x8"x30"	8-1308	8-1312	66.3		
10"x10"x8"x36"	8-1309	8-1313	70.8		
10"x10"x8"x42"	8-1310	8-1314	75.3		
10"x10"x8"x54"	8-1311	8-1315	84.3		
12"x12"x8"x30"	8-1316	8-1320	72.6		
12"x12"x8"x36"	8-1317	8-1321	77.1		
12"x12"x8"x42"	8-1318	8-1322	81.6		
12"x12"x8"x54"	8-1319	8-1323	90.6		
		<u>PIP</u>	<u>IPS</u>		
10"x10"x10"x30"	9-7857	9-7856	74.9		
10"x10"x10"x36"	9-7859	9-7858	80.6		
10"x10"x10"x42"	9-7861	9-7860	86.2		
10"x10"x10"x54"	9-7863	9-7862	97.5		
12"x12"x10"x30"	9-7865	9-7864	81.2		
12"x12"x10"x36"	9-7867	9-7866	86.9		
12"x12"x10"x42"	9-7869	9-7868	92.5		
12"x12"x10"x54"	9-7871	9-7870	103.8		



Option: Male ends may be substituted for female.

**\*Custom-Built Fittings will be made to order.**  
 The riser length is measured from the top of the mainline to the top of the valve.  
 Other sizes available on request.  
 Special discounts on quantity orders.  
 Metric Sizes available.  
 Please call for special requests.

# REPAIR COUPLERS



Product	Description	Part Number	Weight	List Price
<b>REPAIR COUPLER</b> (PVC)	6" PIP	6-2261	4.0	
	8" PIP	6-2262	6.0	
	10" PIP	6-2263	10.0	
	12" PIP	6-2267	15.0	
	15" PIP	6-2268	20.0	
	6" IPS	6-2264	4.0	
	8" IPS	6-2265	6.0	
	10" IPS	6-2266	10.0	
	12" IPS	6-2269	15.0	



-100 psi maximum pressure.  
-19" long

## PVC PIPE

(PLAIN X GASKET, 31" LONG, #100)

	6" PIP	6-2294	4.8
	8" PIP	6-2295	8.4
	10" PIP	6-2296	13.2
	12" PIP	6-2297	19.3
	15" PIP	6-2298	30.1
	6" IPS	6-2299	5.5
	8" IPS	6-2300	9.4
	10" IPS	6-2301	14.6
	12" IPS	6-2302	20.5

## TELESCOPING REPAIR COUPLER

(PVC)

	6" PIP	6-2610	8.8
	8" PIP	6-2611	14.4
	10" PIP	6-2612	23.2
	12" PIP	6-2613	34.3
	15" PIP	6-2614	50.1
	6" IPS	6-2615	9.5
	8" IPS	6-2616	15.4
	10" IPS	6-2617	24.6
	12" IPS	6-2618	35.5

\*Gasket included  
\*100 psi maximum pressure.

## FULL REPAIR WRAP

	OD 4" dia x 8" long	6-9829	11.0
	IPS 4" dia x 8" long	6-9830	11.0
	OD/PIP 6" dia x 8" long	6-9831	12.0
	IPS 6" dia x 8" long	6-9832	12.0
	OD/PIP 8" dia x 8" long	6-9833	13.0
	IPS 8" dia x 8" long	6-9834	13.0
	OD 10" dia x 8" long	6-9835	19.0
	IPS 10" dia x 8" long	6-9836	19.0
	OD/PIP 12" dia x 8" long	6-9837	20.0
	IPS 12" dia x 8" long	6-9838	20.0

125 max psi  
Ideal to stop leaks without cutting pipeline.

## FIBERGLASS TAPE

	1/4" Pipe	1" Wide x 30" Long	6-9562	0.2
	1/2" Pipe	1" Wide x 32" Long	6-9563	-
	3/4" Pipe	2" Wide x 30" Long	6-9564	0.2
	1" Pipe	2" Wide x 60" Long	6-9565	0.2
	2" - 4" Pipe	3" Wide x 108" Long	6-9566	0.7
	3" Pipe	8" Wide x 72" Long	6-9567	0.7
	6" Pipe	4" Wide x 180" Long	6-9568	0.7
	8" Pipe	4" Wide x 360" Long	6-9569	1.3

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

**Product**  
**BOLT-ON REPAIR COUPLER**  
(POWDER COATED STEEL)



-180 psi maximum pressure.  
-16" long



-16" Long  
-Fits OD, PIP, & IPS Flange Packs



2 Flange Packs Required per repair coupler.



**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

Description	Part Number	Weight	List Price
<b>Complete</b> 6" PIP	6-2206	21.0	
8" PIP	6-2208	26.0	
10" PIP	6-2210	36.0	
12" PIP	6-2212	44.0	
15" PIP	6-2200	52.0	
18" PIP	6-9888	58.0	
<b>4" IPS</b>	6-2207	12.0	
<b>6" IPS</b>	6-2213	21.0	
<b>8" IPS</b>	6-2214	26.0	
<b>10" IPS</b>	6-2215	36.0	
<b>12" IPS</b>	6-2216	44.0	

<b>Body Only</b>			
4"	6-2033	8.0	
6"	6-2034	13.0	
8"	6-2035	17.0	
10"	6-2036	24.0	
12"	6-2037	29.0	
15"	6-2038	36.0	

<b>Flange Pack (Single)</b>			
6" OD/PIP	6-2011	4.0	
8" OD/PIP	6-2012	4.5	
10" OD/PIP	6-2013	6.0	
12" OD/PIP	6-2014	7.5	
15" PIP	9-5851	8.0	
18.7" PIP	9-5852	18.0	
20.4" PIP	9-5853	22.0	
<b>4" IPS</b>	6-2016	2.0	
<b>6" IPS</b>	6-2017	4.0	
<b>8" IPS</b>	6-2018	4.5	
<b>10" IPS</b>	6-2019	6.0	
<b>12" IPS</b>	6-2020	7.5	


<b>Gasket (Bolt-on)</b>			
6" OD/PIP	9-5837	-	
8" OD/PIP	9-5839	-	
10" OD/PIP	9-5829	-	
12" OD/PIP	9-5831	-	
15" PIP	9-5832	-	
18.7" PIP	9-5841	-	
20.4" PIP	9-5842	-	
<b>4" IPS</b>	9-5833	-	
<b>6" IPS</b>	9-5836	-	
<b>8" IPS</b>	9-5838	-	
<b>10" IPS</b>	9-5828	-	
<b>12" IPS</b>	9-5830	-	

6" PIP	6-2250	13.0	
8" PIP	6-2251	17.0	
10" PIP	6-2252	21.0	
12" PIP	6-2253	24.0	
15" PIP	6-2255	50.0	
<b>4" IPS</b>	6-2239	7.0	
<b>6" IPS</b>	6-2240	13.0	
<b>8" IPS</b>	6-2241	17.0	
<b>10" IPS</b>	6-2242	21.0	
<b>12" IPS</b>	6-2243	24.0	



# BOLT-ON SADDLES & RISERS



Product	Description	Part Number	Weight	List Price
<b>SADDLE RISER</b> (POWDER COATED OR GALVANIZED)		36" 6"x4" x 36"	6-3820	22.0
		8"x4" x 36"	6-3821	24.0
		10"x4" x 36"	6-3822	26.0
		12"x4" x 36"	6-3823	28.0
	42"	6"x4" x 42"	6-3825	22.0
		8"x4" x 42"	6-3826	24.0
		10"x4" x 42"	6-3827	26.0
		12"x4" x 42"	6-3828	28.0

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

## 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.



42"	6"x4" x 42"	6-3804	19.0
	8"x4" x 42"	6-3805	20.0
	10"x4" x 42"	6-3806	23.0
	12"x4" x 42"	6-3830	25.0
54"	6"x4" x 54"	6-3807	21.0
	8"x4" x 54"	6-3808	22.0
	10"x4" x 54"	6-3809	20.0
	12"x4" x 54"	6-3831	27.0

## SADDLE (GALVANIZED STEEL)



W/FPT			
W/FPT	6" x 3"	6-3810	11.0
	8" x 3"	6-3811	12.0
	10" x 3"	6-3812	15.0
	12" x 3"	6-3813	17.0
	15" x 3"	9-7628	23.0
	18" x 3"	9-7629	28.0
W/FPT	6" x 4"	6-3814	12.0
	8" x 4"	6-3815	13.0
	10" x 4"	6-3816	16.0
	12" x 4"	6-3817	18.0
W/FPT	8" x 6"	9-7632	20.0
	10" x 6"	9-7633	22.0
	12" x 6"	9-7634	24.0
	15" x 6"	9-7635	26.0
	18" x 6"	9-7636	31.0

For OD, PIP or IPS use.

## PVC RISER PIPE

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



3"x36" (for 42" riser)	6-3802	3.0
4"x36" (for 42" riser)	6-3790	-
3"x48" (for 54" riser)	6-3803	5.0
4"x48" (for 54" riser)	6-3791	-

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

8"x8"x2"mpt x54", PIP	9-5319	-
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-For use as air relief valve in the line.

# UNDERGROUND COUPLERS & MALE ENDS

Underground Fittings

Product	Description	Part Number	Weight	List Price	
<b>WELD-ON COUPLER</b> (POWDER COATED STEEL)		PVC Pipe O.D.			
		6" PIP	6.140"	6-2231	6.0
		8" PIP	8.160"	6-2232	8.0
		10" PIP	10.20"	6-2233	11.0
		12" PIP	12.240"	6-2234	13.0
		15" PIP	15.30"	6-2235	14.0
		18" PIP	18.701"	6-2600	19.0
		<b>2" IPS</b>	2.375"	6-2217	-
		<b>2.5" IPS</b>	2.875"	6-2218	-
		<b>3" IPS</b>	3.50"	6-2219	2.0
		<b>4" IPS</b>	4.50"	6-2220	3.0
		<b>6" IPS</b>	6.625"	6-2221	6.0
		<b>8" IPS</b>	8.625"	6-2222	8.0
		<b>10" IPS</b>	10.750"	6-2223	11.0
		<b>12" IPS</b>	12.750"	6-2224	13.0
		6" Metric(160mm)	6.625"	6-2226	-
	8" Metric(200mm)	7.87"	6-2227	-	
	10" Metric(250mm)	9.84"	6-2228	-	
	12" Metric(315mm)	12.41"	6-2229	-	



<b>WELD-ON COUPLER</b> (STAINLESS STEEL)		PVC Pipe O.D.			
		6" PIP	6.140"	9-5159	3.5
		8" PIP	8.160"	9-5160	6.5
		4" IPS	4.50"	9-5156	2.5
		6" IPS	6.625"	9-5157	3.5
		8" IPS	8.625"	9-5158	6.5



#304 Stainless Steel

<b>WELD-ON COUPLER</b> (BLACK STEEL)		PVC Pipe O.D.			
		6" PIP	6.140"	9-5043	6.0
		8" PIP	8.160"	9-5044	8.0
		10" PIP	10.20"	9-5045	11.0
		12" PIP	12.240"	9-5046	13.0
		15" PIP	15.30"	9-7441	14.8
		<b>4" IPS</b>	4.50"	9-5037	3.0
		<b>6" IPS</b>	6.625"	9-5038	6.0
		<b>8" IPS</b>	8.625"	9-5039	8.0
		<b>10" IPS</b>	10.750"	9-5040	11.0
	<b>12" IPS</b>	12.750"	9-5041	13.0	



<b>WELD-ON MALE END</b> (POWDER COATED STEEL)				
		6" PIP	6-2281	3.5
		8" PIP	6-2282	6.5
		10" PIP	6-2283	10.5
		12" PIP	6-2284	12.5
		15" PIP	6-2285	14.0
		<b>4" IPS</b>	6-2289	2.5
		<b>6" IPS</b>	6-2290	3.5
		<b>8" IPS</b>	6-2291	6.5
		<b>10" IPS</b>	6-2292	10.5
	<b>12" IPS</b>	6-2293	12.5	



# ACCESSORIES FOR PVC



Product	Description	Part Number	Weight	List Price
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## PRIMER

(Step 1 of 2)

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



1 quart 6-9170 2.0

## PVC GLUE

(Step 2 of 2)

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.



1 quart 6-9130 2.0  
1 gallon 6-9140 8.5

## PIPE LUBE

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



1 quart 6-9160 2.0  
1 gallon 6-9150 8.5

## AVERAGE NUMBER OF JOINTS/QT. OF WELD-ON CEMENTS

Pipe Diameter	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	15"	18"
Number of Joints	300	200	125	90	60	40	30	10	5	2-3	1-2	3/4	1/2

## GASKET (UNDERGROUND)



### ROUND BACK:

6" PIP 6-4241 0.3  
8" PIP 6-4242 0.6  
10" PIP 6-4243 0.8  
12" PIP 6-4244 1.0  
15" PIP 6-4245 -  
18" PIP 9-5291 -

4" IPS 6-4233 -  
6" IPS 6-4234 0.3  
8" IPS 6-4235 0.6  
10" IPS 6-4236 0.8  
12" IPS 6-4237 1.0

### SQUARE

6" PIP 9-7645 1.8  
8" PIP 9-7647 2.0  
10" PIP 9-7638 2.3  
12" PIP 9-7640 2.5  
15" PIP 9-7641  
18" PIP 9-7642

4" IPS 9-7643 1.3  
6" IPS 9-7644 1.8  
8" IPS 9-7646 2.0  
10" IPS 9-7637 2.3  
12" IPS 9-7639

## DRAW BAND

(PAINTED STEEL)



6" 6-1704 0.6  
8" 6-1705 0.7  
10" 6-1706 0.9  
12" (for 10" Newby boot) 6-1707 1.0  
14" 6-1708 1.1  
15" 6-1709 1.2

\*For #80 PIP plastic pipe, state other psi sizes.

Product	Description	Part Number	Weight	List Price
<b>BOLT-ON COUPLER</b> (POWDER COATED STEEL)	<b>COMPLETE</b>	6" OD/PIP	6-4015	11.0
		8" OD/PIP	6-4016	14.0
		10" OD/PIP	6-4017	18.0
		12" OD/PIP	6-4018	22.0
		15" PIP	6-4019	25.0
		18.7" PIP	6-9787	30.0
		20.4" PIP	9-5843	35.0
		<b>4" IPS</b>	6-4010	8.0
		<b>6" IPS</b>	6-4011	11.0
		<b>8" IPS</b>	6-4012	14.0
		<b>10" IPS</b>	6-4013	18.0
		<b>12" IPS</b>	6-4014	22.0
	<b>HALF BODY</b>	4"	6-2045	6.0
		5"	6-2046	6.0
		6"	6-2047	7.0
		8"	6-2048	9.0
		10"	6-2049	13.0
		12"	6-2062	16.0
		15"	9-5848	19.0
		18.7"	9-5849	22.0
20.4"		9-5850	25.0	
<b>FLANGE PACK (SINGLE)</b>		4" OD	6-2027	3.0
	5" OD	6-2028	4.0	
	6" OD/PIP	6-2011	4.0	
	8" OD/PIP	6-2012	4.5	
	10" OD/PIP	6-2013	6.0	
	12" OD/PIP	6-2014	7.5	
	15" PIP	9-5851	8.0	
	18.7" PIP	9-5852	18.0	
20.4" PIP	9-5853	22.0		



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



See page 11 for IPS Flange Pack.  
Replacement gaskets are on page 11.

<b>BOLT-ON COUPLER</b> (BLACK STEEL)	<b>COMPLETE</b>	4" OD	Black	9-5019	8.0
		6" OD/PIP	Black	9-5023	11.0
		8" OD/PIP	Black	9-5026	14.5
		10" OD/PIP	Black	9-5029	18.5
		12" OD/PIP	Black	9-5032	22.0
		<b>4" IPS</b>	<b>Black</b>	9-5021	8.0
		<b>6" IPS</b>	<b>Black</b>	9-5024	11.0
		<b>8" IPS</b>	<b>Black</b>	9-5027	14.5
		<b>10" IPS</b>	<b>Black</b>	9-5030	18.5
		<b>12" IPS</b>	<b>Black</b>	9-5033	22.0



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

<b>BOLT-ON DRESSER REDUCER</b> (POWDER COATED OR GALVANIZED STEEL)	4" IPS x 4" OD	6-4020	13.0
	6" IPS x 6" OD/PIP	6-4022	21.0
	8" IPS x 6" OD/PIP	6-4024	27.5
	8" IPS x 6" IPS	6-4026	27.5
	8" IPS x 8" OD/PIP	6-4027	26.0
	10" OD/PIP x 8" OD/PIP	6-4029	35.2
	10" IPS x 8" IPS	6-4031	35.0
	10" IPS x 10" OD/PIP	6-4032	20.0
	12" OD/PIP x 10" OD/PIP	6-4034	44.0
	12" IPS x 12" OD/PIP	6-4036	44.0



# STEEL UNDERGROUND FITTINGS



Product	Description	Part Number	Weight	List Price
<b>FLANGE ADAPTER</b> (GALVANIZED STEEL)	6" PIP	6-4051	15.3	
	8" PIP	6-4052	20.9	
	10" PIP	6-4053	27.6	
	12" PIP	6-4054	36.0	
	4" IPS	6-4043	10.1	
	6" IPS	6-4045	15.3	
	8" IPS	6-4046	20.9	
	10" IPS	6-4047	27.6	
	12" IPS	6-4048	36.0	



\*Metric sizes available, please call.

## SERVICE TEE

(GALVANIZED STEEL)



6"x6"x4" PIP	6-4064	17.4
8"x8"x3" PIP	9-5311	19.0
8"x8"x4" PIP	6-4065	27.5
4"x4"x2" IPS	6-4060	8.7
6"x6"x4" IPS	6-4061	17.4
8"x8"x4" IPS	6-4062	22.5

\*Metric sizes available.  
Other sizes also available.

Male Nipple available.  
Please call.

## TEE

(GALVANIZED STEEL)



6" PIP	6-4079	24.8
8" PIP	6-4080	33.0
10" PIP	6-4081	44.3
12" PIP	6-4082	66.2
15" PIP	6-4083	77.6
4" IPS	6-4073	13.5
6" IPS	6-4074	24.8
8" IPS	6-4075	33.0
10" IPS	6-4076	44.3
12" IPS	6-4077	66.2

\*Metric sizes available.  
Reducing Tees also available.  
Please call.

## CROSS

(GALVANIZED STEEL)





6" PIP	6-4099	37.6
8" PIP	6-4100	50.0
10" PIP	6-4101	66.6
12" PIP	6-4102	79.2
15" PIP	6-4103	92.4
4" IPS	6-4093	21.0
6" IPS	6-4094	37.6
8" IPS	6-4095	50.0
10" IPS	6-4096	66.6
12" IPS	6-4097	79.2


\*Metric sizes available, please call.  
Reducing sizes also available. Please call.

# STEEL UNDERGROUND FITTINGS


Underground Fittings

Product	Description	Part Number	Weight	List Price
<b>REDUCER</b> (GALVANIZED STEEL)	4" IPS x 6" PIP	6-4110	10.2	
	6" PIP x 8" PIP	6-4111	16.5	
	8" PIP x 10" PIP	6-4112	22.2	
	10" PIP x 12" PIP	6-4113	37.0	
				

<b>ADAPTER</b> (GALVANIZED STEEL)	6" PIP x IPS	6-4121	12.0	
	8" PIP x IPS	6-4122	16.0	
	10" PIP x IPS	6-4123	22.0	
	12" PIP x IPS	6-4124	26.0	
				

<b>45° ELBOW</b> (GALVANIZED STEEL)	6" PIP	6-4130	22.2		
	8" PIP	6-4131	29.5		
	10" PIP	6-4132	39.0		
	12" PIP	6-4133	46.4		
					
	4" IPS	6-4137	12.8		
	6" IPS	6-4138	22.2		
	8" IPS	6-4139	29.5		
	10" IPS	6-4140	39.0		
	12" IPS	6-4141	46.4		

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

<b>90° ELBOW</b> (GALVANIZED STEEL)	6" PIP	6-4150	22.2		
	8" PIP	6-4151	29.5		
	10" PIP	6-4152	39.0		
	12" PIP	6-4153	46.4		
					
	4" IPS	6-4157	10.5		
	6" IPS	6-4158	22.2		
	8" IPS	6-4159	29.5		
	10" IPS	6-4160	39.0		
	12" IPS	6-4161	46.4		

Other sizes are available.  
Metric sizes are also available.  
Please Call.

# STEEL UNDERGROUND FITTINGS



Product	Description	Part Number	Weight	List Price
<b>DOUBLE COUPLER,</b> (GALVANIZED STEEL)	6" PIP	6-4171	12.0	
	8" PIP	6-4172	16.0	
	10" PIP	6-4173	22.0	
	12" PIP	6-4174	26.0	
	15" PIP	6-4175	28.0	
	4" IPS	6-4179	6.0	
	6" IPS	6-4180	12.0	
	8" IPS	6-4181	16.0	
	10" IPS	6-4182	22.0	
	12" IPS	6-4183	26.0	



\*Metric sizes available, please call.

## END PLUG, (GALVANIZED STEEL)

6" PIP	6-4191	4.5
8" PIP	6-4192	9.8
10" PIP	6-4193	14.5
12" PIP	6-4188	18.3
15" PIP	6-4189	14.0
4" IPS	6-4197	2.9
6" IPS	6-4198	4.5
8" IPS	6-4199	9.8
10" IPS	6-4200	14.5
12" IPS	6-4201	18.3



## END CAP, (GALVANIZED STEEL)

6" PIP	6-4203	7.0
8" PIP	6-4204	11.3
10" PIP	6-4205	15.0
12" PIP	6-4206	18.8
15" PIP	6-4207	14.0
4" IPS	6-4211	3.4
6" IPS	6-4212	7.0
8" IPS	6-4213	11.3
10" IPS	6-4214	15.0
12" IPS	6-4215	18.8

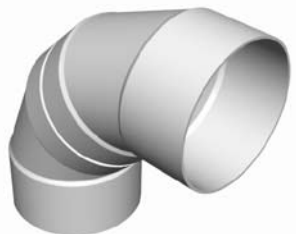


\*Metric sizes available, please call.

# SOLVENT PVC PIPE FITTINGS

Underground Fittings

Product	Description	Part Number	Weight	List Price
<b>90° ELBOW</b> (PVC-SOLVENT)	6" PIP	6-2311	4.0	
	8" PIP	6-2312	8.0	
	10" PIP	6-2313	8.0	
	12" PIP	6-2314	14.0	
	15" PIP	6-2320	20.0	
	6" IPS	6-2560	4.0	
	8" IPS	6-2561	6.0	
	10" IPS	6-2562	8.0	
	12" IPS	6-2563	14.0	
	4" IPS A&H	6-2315	2.0	
	6" PIP A&H	6-2316	1.5	
	8" PIP A&H	6-2317	2.5	
	10" PIP A&H	6-2318	3.0	
	12" PIP A&H	6-2319	3.5	



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

<b>45° ELBOW</b> (PVC-SOLVENT)	6" PIP	6-2321	1.0	
	8" PIP	6-2322	2.0	
	10" PIP	6-2323	2.5	
	12" PIP	6-2324	3.0	
	15" PIP	6-2330	4.0	
	6" IPS	6-2550	1.0	
	8" IPS	6-2551	2.0	
	10" IPS	6-2552	2.5	
	12" IPS	6-2553	3.0	
	4" IPS A&H	6-2325	1.3	
	6" PIP A&H	6-2326	1.5	
	8" PIP A&H	6-2327	1.8	
	10" PIP A&H	6-2328	2.0	
	12" PIP A&H	6-2329	3.0	



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

<b>22.5° ELBOW</b> (PVC-SOLVENT)	6" PIP	6-2270	1.0	
	8" PIP	6-2271	2.0	
	10" PIP	6-2272	2.5	
	12" PIP	6-2273	3.0	
	15" PIP	6-2274	4.0	



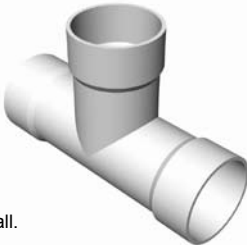
#100 psi test.  
\*Metric sizes available, please call.

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




# SOLVENT PVC PIPE FITTINGS




Product	Description	Part Number	Weight	List Price
<b>TEE</b> (PVC-SOLVENT)  	6" PIP	6-2331	5.0	
	8" PIP	6-2332	9.0	
	10" PIP	6-2333	14.0	
	12" PIP	6-2334	18.0	
	15" PIP	6-2336	25.0	
	4" IPS	6-2335	2.3	
	6" IPS	6-2570	5.0	
	8" IPS	6-2571	9.0	
	10" IPS	6-2572	14.0	
	12" IPS	6-2573	18.0	


#100 psi test  
\*Metric sizes available, please call.

<b>REDUCING TEE</b> (PVC-SOLVENT)  	6" x 4" PIP	6-2340	3.5	
	8" x 4" PIP	6-2341	4.5	
	8" x 6" PIP	6-2342	8.5	
	6" x 4" IPS	6-2574	4.0	
	8" x 4" IPS	6-2575	5.0	
	8" x 6" IPS	6-2576	9.0	


#100 psi test  
\*Metric sizes available, please call.

<b>WYE</b> (PVC-SOLVENT)  	6" PIP A&H	6-2601	-	
	8" PIP A&H	6-2602	-	
	10" PIP A&H	6-2603	-	

Drain Only

<b>END CAP</b> (PVC-SOLVENT)  	6" PIP	6-2410	1.5	
	8" PIP	6-2411	2.0	
	10" PIP	6-2412	2.5	
	12" PIP	6-2413	3.0	
	15" PIP	6-2414	4.0	
	6" IPS	6-2580	1.5	
	8" IPS	6-2581	2.0	
	10" IPS	6-2582	2.5	
	12" IPS	6-2583	3.0	
	6" PIP A&H	6-2420	0.2	
	8" PIP A&H	6-2421	0.6	
	10" PIP A&H	6-2422	2.5	
12" PIP A&H	6-2423	3.0		
15" PIP A&H	6-2424	4.0		

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

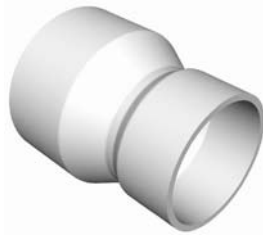
<b>COUPLING</b> (PVC-SOLVENT)  	6" PIP	6-2431	1.0	
	8" PIP	6-2432	2.0	
	10" PIP	6-2433	5.0	
	12" PIP	6-2428	7.0	
	15" PIP	6-2429	10.0	
	4" IPS	6-2430	0.5	
	6" IPS	6-2585	1.0	
	8" IPS	6-2586	2.0	
	10" IPS	6-2587	5.0	
	12" IPS	6-2588	7.0	
	4" IPS A&H	6-2434	0.4	
	6" PIP A&H	6-2435	0.8	
	8" PIP A&H	6-2436	1.5	
10" PIP A&H	6-2437	3.0		

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

# SOLVENT PVC PIPE FITTINGS

Underground Fittings

Product	Description	Part Number	Weight	List Price
<b>REDUCER</b> (PVC-SOLVENT)	6" PIP x 4" IPS	6-2440	1.5	
	8" x 6" PIP	6-2441	2.0	
	10" x 8" PIP	6-2442	3.0	
	12" x 10" PIP	6-2438	4.0	
	15" x 12" PIP	6-2439	5.0	
	<b>6" x 4" IPS</b>	6-2590	1.5	
	<b>8" x 6" IPS</b>	6-2591	2.0	
	<b>10" x 8" IPS</b>	6-2592	3.0	
	<b>12" x 10" IPS</b>	6-2593	4.0	
	6" PIP x 4" IPS A&H	6-2443	0.6	
	8" x 6" PIP A&H	6-2444	1.5	
	10" x 8" PIP A&H	6-2445	2.0	
	12" x 10" PIP A&H	6-2446	2.5	



#100 psi test,  
Except A&H which is #22/#50 psi test.  
\*Metric sizes available, please call.

<b>ADAPTER</b> (PVC-SOLVENT)	6" IPS x PIP	6-2451	1.5
	8" IPS x PIP	6-2452	2.5
	10" IPS x PIP	6-2453	5.0



#100 psi test

<b>FLANGE</b> (PVC-SOLVENT)	6" PIP	6-2480	5.6
	8" PIP	6-2481	8.3
	10" PIP	6-2482	14.3
	12" PIP	6-2483	21.9
	<b>3" IPS</b>	9-7659	
	<b>4" IPS</b>	6-2484	2.8
	<b>6" IPS</b>	6-2485	4.7
	<b>8" IPS</b>	6-2486	6.8
	<b>10" IPS</b>	6-2487	11.6
	<b>12" IPS</b>	6-2488	



<b>FEMALE THREADED ADAPTER</b> (PVC-SOLVENT)	6" PIP	6-2461
	8" PIP	6-2462
	10" PIP	6-2463
	12" PIP	6-2464
	<b>4" IPS</b>	6-2470
	<b>6" IPS</b>	6-2471
	<b>8" IPS</b>	6-2472
	<b>10" IPS</b>	6-2473
	<b>12" IPS</b>	6-2474



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

<b>MALE THREADED ADAPTER</b> (PVC-SOLVENT)	6" PIP	6-2466
	8" PIP	6-2467
	10" PIP	6-2468
	12" PIP	6-2469
	<b>4" IPS</b>	6-2475
	<b>6" IPS</b>	6-2476
	<b>8" IPS</b>	6-2477
	<b>10" IPS</b>	6-2478
	<b>12" IPS</b>	6-2479



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





<b>BUSHING</b> (PVC-SOLVENT)	6" PIP x IPS	6-2595
	8" PIP x IPS	6-2596
	10" PIP x IPS	6-2597
	12" PIP x IPS	6-2598



IPS outside x PIP inside

# GASKETED PVC PIPE FITTINGS



Product	Description	Part Number	Weight	List Price
<b>90° ELBOW</b> (PVC-GASKETED)  #100 PSI Test	6" PIP	6-2350		
	8" PIP	6-2351		
	10" PIP	6-2352		
	12" PIP	6-2353		
	15" PIP	6-2354		
	6" IPS	6-2520		
	8" IPS	6-2521		
	10" IPS	6-2522		
	12" IPS	6-2523		
	<b>45° ELBOW</b> (PVC-GASKETED)  #100 PSI Test	6" PIP	6-2360	
8" PIP		6-2361		
10" PIP		6-2362		
12" PIP		6-2363		
15" PIP		6-2364		
6" IPS		6-2510		
8" IPS		6-2511		
10" IPS		6-2512		
12" IPS		6-2513		
<b>22.5° ELBOW</b> (PVC-GASKETED)  #100 PSI Test		6" PIP	6-2355	
	8" PIP	6-2356		
	10" PIP	6-2357		
	12" PIP	6-2358		
	15" PIP	6-2359		
	6" IPS	6-2500		
	8" IPS	6-2501		
	10" IPS	6-2502		
	12" IPS	6-2503		
	<b>TEE</b> (PVC-GASKETED)  #100 PSI Test	6" PIP	6-2365	
8" PIP		6-2366		
10" PIP		6-2367		
12" PIP		6-2368		
15" PIP		6-2369		
6" IPS		6-2540		
8" IPS		6-2541		
10" IPS		6-2542		
12" IPS		6-2543		

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

Product	Description	Part Number	Weight	List Price
<b>DRAINAGE RISER</b> (PVC-SOLVENT)	4" x 6"	6-2110	21.1	
	6" x 8"	6-2120	37.2	
	8" x 10"	6-2130	62.8	
	<b>Perforated Body Only</b>			
	6" x 7'4" #100	6-2110-C	16.8	
	8" x 7'4" #80	6-2120-C	30.2	
	10" x 7'4" #80	6-2130-C	50.2	
	12" x 6'4" #80	9-6958	48.2	



6", 8", 10" = 7'4" Long  
12" = 6'4" Long

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)



4"	6-2181	0.2
6"	6-2182	0.6
8"	6-2183	0.8
10"	6-2184	1.5
12"	6-2185	2.3

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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.



## Section Two



**Tow Line Parts**

**Hose Adapters**

**Hose**

**Hose Clamps**

**Wheel Move**

**Wheel Line Technical  
Data**

# TOW LINE PARTS



Product	Description	Part Number	Weight	List Price
---------	-------------	-------------	--------	------------

## TOW COUPLER

4"

3-0310

6.3



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

## TOW COUPLER EAR

3/8"

3-0320

0.3



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

## TOW COUPLER SKID PAN

----

3-0330

0.6



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

## QUICK DRAIN

----

3-0340



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

## GASKET (LINDSAY)

4" Drain  
4" Non-Drain

3-0350  
6-1614

0.3  
0.3



Drain

Non-Drain

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

## TOW LINE PIPE

4" x 40'

3-0380

35.6



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

Product	Description	Part Number	Weight	List Price
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**HALF MOON CLAMP**

4" 3-0410 0.9



Galvanized steel.  
Attaches pipe to coupler with tow pins.

**HALF MOON BOLT & NUT**

Bolt: 5/16" x 5/8" 3-0420 0.1  
Nut: 5/16" 3-0430 0.1



Washer included with bolt.

**HALF MOON STRAP**

1" 3-0440 0.2



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

**HALF MOON PIN**

3/8" 3-0450 0.1



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

**RISERS**



1" Steel tubing. 3/4" Female x 1" Male.	6" FxM	3-0465	0.6
	12" FxM	3-0460	0.9
	18" FxM	3-0466	1.1
	24" FxM	3-0461	1.4
	30" FxM	3-0467	1.6
	36" FxM	3-0468	1.9
	40" FxM	3-0462	2.1
	48" FxM	3-0469	2.5
	60" FxM	3-0463	2.9
	72" FxM	3-0464	3.4

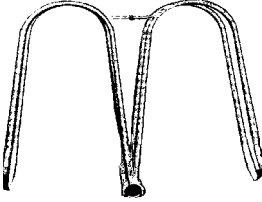
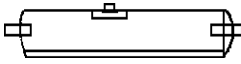

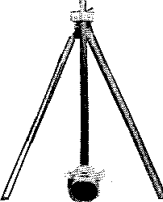


1" Steel tubing. 1" Male x 1" Male.	12" MxM	3-0470	0.9
	24" MxM	3-0471	1.4
	40" MxM	3-0472	2.1
	60" MxM	3-0473	2.9
	72" MxM	3-0474	3.4

Towline / Wheelmove



# TOW LINE PARTS



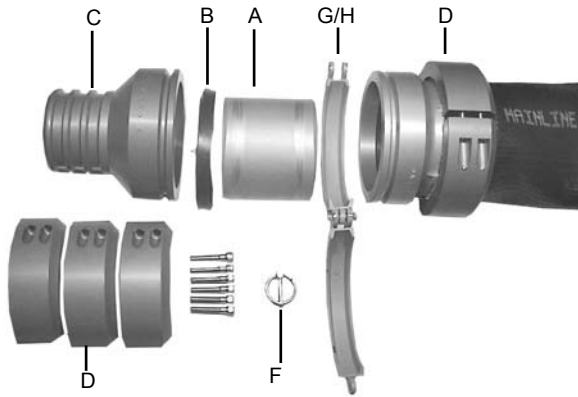
Product	Description	Part Number	Weight	List Price
<b>STABILIZER</b>  All steel construction. Fit into tow line with half moon pins. Includes gaskets and pins.	  Short: 4"x40' Tall: 4"x60'	3-0510 3-0520	77 118	
<b>STABILIZER CONVERSION KIT</b>  Includes gaskets and pins.	  4"	3-0530	25	
<b>TOW PLUG</b>  Fits into end coupler of tow line as hitch for towing.	  4"	3-0540	5.5	
<b>TRIPOD</b>  All steel construction. Comes complete with Bolts & Nuts. Fits on riser to stabilize end of tow line while watering.	  ---	3-0550	5	
<b>SHUT-OFF VALVE</b>  Order a 1" Close Nipple with this valve. Installed between end coupler and riser.	  1"	3-0560	0.8	
<b>CHAIN</b>  Horizontal Working Load Limit = 880 lbs.	  5/0 Size, Plated	3-0640	0.5/ft	

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# 3 SEGMENT HOSE ADAPTERS

Product	Description	Part Number	Weight	List Price
---------	-------------	-------------	--------	------------

## COUPLING (SURE GRIP)



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

<b>Complete:</b>	4"		9-5844	
	4-1/2"		9-5845	
	5"		9-5846	
	6"		6-9659	
	8"		9-5207	
<b>3-Seg Clamp:</b>				
	4"	D	6-9608	
	4-1/2"	D	6-9609	3.3
	5"	D	6-9610	1.6
	6"	D	6-9611	4.5
	8"	D	9-5184	
<b>Coupler Body:</b>				
	4"	C	9-7468	
	4-1/2"	C	9-7469	
	5"	C	9-7470	
	5-1/2"	C	9-7471	
	6"	C	9-7472	
	8"	C	9-7473	
<b>Sleeve:</b>				
	5-1/2" (4" thru 6")	A	9-7445	
	8"	A	9-7446	
<b>Gasket:</b>				
	5-1/2" (4" thru 6")	B	9-7447	
	8"	B	9-7448	
<b>Ring Band Lock:</b>				
	6" (4" thru 6")	G	9-7449	
	6" w/Steel Pin (4" thru 6")	H	9-7450	
	8" w/Steel Pin	H	9-7451	
<b>Lynch Pin:</b>				
	5/16"	F	9-7452	

Towline / Wheelmove

## HOSE FITTINGS



FRL	4"	Alum	6-9506	1.5
MRL	4"	Alum	6-9507	1.2
FRL	5"	Alum	6-9504	1.8
MRL	5"	Alum	6-9505	1.4
FRL	6"	Alum	6-9502	2.4
MRL	6"	Alum	6-9503	1.8
FRL 10 ga.	6"	Steel Gal.	6-9500	
MRL 10 ga.	6"	Steel Gal.	6-9501	

\*Includes 3 segment clamp

\*Cannot be pulled with water inside hose.

## FULL ADAPTER (ALUMINUM)



\*Includes 3 segment clamp

	4"		6-9889	
	4-1/2"		6-9656	
	5"		6-9657	
	6"		6-9658	
	8"		9-5246	

## HALF ADAPTER




\* Weld-on

\* Includes 3 segment clamp

<b>Steel:</b>				
	4"	Steel	6-9648	
	4-1/2"	Steel	6-9649	
	5"	Steel	6-9650	
	6"	Steel	6-9651	
	8"	Steel	9-5877	
<b>Aluminum:</b>				
	4"	Alum	6-9652	
	4-1/2"	Alum	6-9653	
	5"	Alum	6-9654	
	6"	Alum	6-9655	
	8"	Alum	9-5247	

# HOSE ADAPTERS



Product	Description	Part Number	Weight	List Price	
<b>HOSE BARB - WELD-ON</b> (BLACK STEEL)		No. of Ribs			
		2"	2	3-0601	0.4
		2-1/2"	2	9-5014	0.6
		3"	2	3-0602	0.8
		4"	3	3-0603	1.8
		4-1/2"	2	3-0604	1.9
		5"	2	3-0605	2
		6"	3	3-0606	3.3
		8"	3	3-0607	5.4
		10"	2	3-0608	10.0
		12"	2	3-0609	12.1
16"		3	9-7553	18.8	

Weld-on.

<b>HOSE BARB - WELD-ON</b> (ALUMINUM)	3"	.050	3-0641	0.5
	4"	.072	3-0652	1.1
	5"	.078	3-0642	1.4
	6"	.058	3-0643	1.3
	8"	.064	3-0644	1.6



<b>HOSE BARB - WELD-ON</b> (THICK ALUMINUM)	4"		3-0636	1.5
	4-1/2"		3-0637	1.7
	5"		3-0638	1.9
	6"		3-0639	2.2
	8"		9-7803	

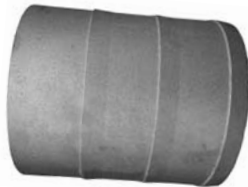


Sharp Barbs

\*5" long & 1/4" thick

\*with small barbs (as shown) or spaced barbs

<b>HOSE BARB - WELD-ON</b> (CAST ALUMINUM)	6"		9-7794	2.6
	8"		9-7795	4.1
	10"		9-7796	6.0







<b>HOSE ADAPTER - FEMALE RL</b> (GALVANIZED STEEL)	3"		6-8050	3.4
	4"		6-8051	4.5
	5"		6-8052	5.6
	6"	12 ga.	3-0681	6.1
	8"	12 ga.	3-0683	9.9
	10"	12 ga.	3-0679	14.5
	12"	12 ga.	3-0664	16.0



<b>HOSE ADAPTER - MALE RL</b> (GALVANIZED STEEL)	3"		6-8053	3.0
	4"		6-8054	4.0
	5"		6-8055	5.0
	6"	12 ga.	3-0680	6.1
	8"	12 ga.	3-0682	9.9
	10"	12 ga.	3-0678	15.0
	12"	12 ga.	3-0663	14.0



# HOSE ACCESSORIES

Product	Description	Part Number	Weight	List Price
<b>HOSE ADAPTER - B&amp;H</b> (GALVANIZED STEEL) 	Hose Barb x Male B & H 2"	6-8060	1.9	
	Hose Barb x Male B & H 3"	6-8061	3.3	
	Hose Barb x Male B & H 4"	6-8062	4.3	
	Hose Barb x Male B & H 5"	6-8063	5.4	
	Hose Barb x Male B & H 6"	9-5322	6.5	
	Hose Barb x Female B & H 2"	6-8056	2.6	
	Hose Barb x Female B & H 3"	6-8057	4.5	
	Hose Barb x Female B & H 4"	6-8058	6	
	Hose Barb x Female B & H 5"	6-8059	7.5	
	Hose Barb x Female B & H 6"	9-5321	9	
<b>HOSE MENDER</b> (GALVANIZED STEEL) 	2"	6-8064	2.2	
	3"	6-8065	3.8	
	4"	6-8066	5	
	5"	6-8067	6.3	
	6"	6-8068	7.5	
	8"	6-8069	14	
<b>HOSE MENDER</b> (PLATED STEEL) 	1/2"	9-6835	0.1	
	3/4"	9-6836	0.2	
	1"	9-6837	0.3	
	1-1/4"	9-6838	0.5	
	1-1/2"	9-6839	0.5	
	2"	9-6840	0.8	
	2-1/2"	9-6841	1.7	
	3"	9-6842	2.4	
	4"	9-6843	2.9	
	5"	9-6844	6.9	
	6"	9-6845	13.2	
	8"	9-6846	20.9	
	10"	9-6847		
	12"	9-6848		
<b>HOSE MENDER</b> (ALUMINUM) 	3" .050	3-0645	0.5	
	4" .072	3-0653	1.1	
	5" .078	3-0646	1.4	
	6" .058	3-0647	1.3	
	8" .064	3-0648	1.6	

\* Applications:  
 \* PVC lay flat for drip irrigation  
 \* Rubber discharge hose for medium pressure irrigation

Towline / Wheelmove

# HOSE ACCESSORIES



Product	Description	Part Number	Weight	List Price
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## TOW HOSE



4" x 12'  
4" x 17'

3-0655  
3-0650

14  
18

Maximum: #125 psi  
Connects tow line to mainline.  
Both ends Male with hook & band.  
\*For other than standard fittings, add \$5.00/end to price.

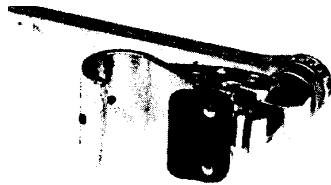
## BAND-IT TOOL



6-9093

4.5

## PREFORMED JUNIOR ADAPTER



6-9094

\*For use with above tool on preformed clamps

## BANDING (STAINLESS STEEL)



5/8" x 100'  
3/4" x 100'

6-9095  
9-7752

6.7

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

## BAND-IT BUCKLE



5/8"  
3/4"

6-9096  
9-7753

2.6

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

## PREFORMED CLAMP



J215 3/4" wide x 5" ID  
J216 3/4" wide x 6" ID

6-9097  
6-9098

0.3  
0.3

\*For use with above tool and jr. adapter  
\*Stainless Steel  
\* 25 per Box is available.

## GLUE (FOR HOSE FITTINGS)



1 Quart Pliobond #20

9-6778

2.1

# WHEEL MOVE (WHEELINE, SIDEROLL)

Product	Description	Part Number	Weight	List Price
<b>WHEEL MOVE</b> (COMPLETE)	4" x 1280'	5-0160	Call	
	5" x 1280'	5-0161	Call	



<b>WHEEL MOVE COUPLER SET</b> (CAST ALUMINUM)	4" Press-on	5-0167	8
	5" Weld-on	5-0168	6.3



<b>SPRINKLER LEVELER</b>	3/4"	5-0165	2.4
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<b>LEVELER ELBOW</b>	1" x 3/4"	5-0166	
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<b>WHEELS</b>	<u>Distance # of Turns</u>					
			4'	4" x 48" 18 ga.	5-0170	34
		4'	5" x 48" 18 ga.	5-0171	35	
	60'	4	5'	4" x 58" 18 ga.	5-0172	42
	60'	4	5'	5" x 58" 18 ga.	5-0173	42
	50'	3	6'	4" x 64" 18 ga.	5-0174	44
	50'	3	6'	5" x 64" 18 ga.	5-0175	44
	60'	3	7'	4" x 76" 18 ga.	5-0176	56
	60'	3	7'	5" x 76" 18 ga.	5-0177	56
	50'	2	8'	4" x 96" 16 ga.	5-0178	78
	50'	2	8'	5" x 96" 16 ga.	5-0179	78
	60'	2	10'	4" x 120" 16 ga.	5-0180	113
	60'	2	10'	5" x 120" 16 ga.	5-0181	113



<b>WIND BRACE</b>	4" x 5'	5-0182	8.3
	4" x 6-7'	5-0183	9.8

	5" x 5'	5-0184	8.9
	5" x 6-7'	5-0185	9.8

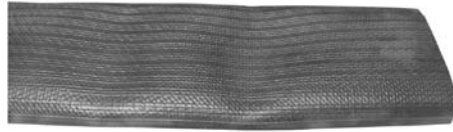


Towline / Wheelmove

# DISCHARGE HOSE



Product	Description	Part Number	Weight	List Price	
<b>DISCHARGE HOSE</b> (BLACK RUBBER-HIGH PRESSURE)	Flat Measurement				
	1-1/2"	300 max psi	2-1/2"	3-0590	0.8/ft
	2"	300 max psi	3-3/16"	3-0591	1.1/ft
	2-1/2"	300 max psi	4"	3-0592	1.5/ft
	3"	300 max psi	4-7/8"	3-0593	1.8/ft
	4"	200 max psi	6-1/4"	3-0651	0.8/ft
	4-1/2"	200 max psi	7-1/8"	3-0584	1.2/ft
	5"	200 max psi	7-7/8"	3-0597	1/ft
	6"	200 max psi	10"	3-0670	1.6/ft
	8"	150 max psi	13"	3-0671	2.9/ft
	10"	150 max psi		3-0585	5.1/ft
	12"	100 max psi		3-0586	5.8/ft
	16"	34 max psi		9-6850	3.5/ft

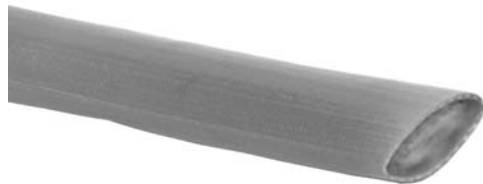


## Features:

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

## DISCHARGE HOSE

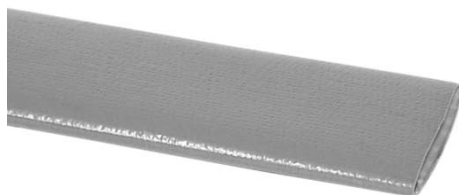
(ORANGE PVC-MEDIUM PRESSURE)



1-1/2"	150 max psi	3-0570	0.2/ft
2"	150 max psi	3-0571	0.3/ft
2-1/2"	150 max psi	3-0572	0.4/ft
3"	150 max psi	3-0573	0.5/ft
4"	125 max psi	3-0574	0.8/ft
6"	115 max psi	3-0575	1.2/ft
8"	70 max psi	3-0576	1.6/ft

## DISCHARGE HOSE

(BLUE PVC-LOW PRESSURE)



1-1/2"	70 max psi	3-0598	0.2/ft
2"	65 max psi	3-0594	0.2/ft
2-1/2"	60 max psi	3-0599	0.3/ft
3"	60 max psi	3-0595	0.4/ft
4"	60 max psi	3-0596	0.5/ft
5"	40 max psi	9-6817	0.7/ft
6"	45 max psi	3-0580	0.9/ft
8"	45 max psi	3-0581	1.3/ft
10"	35 max psi	3-0582	1.8/ft
12"	30 max psi	3-0583	2/ft
14"	30 max psi	6-9930	2.6/ft
16"	30 max psi	6-9931	3.1/ft

## 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

Product	Description	Part Number	Weight	List Price
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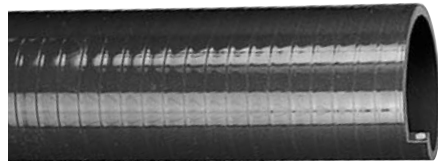
## PVC SUCTION HOSE (CORRUGATED-RIGHT SPIRAL)



ID	OD			
1-1/2"	1.87"	6-0807	0.4/ft	
2"	2.41"	6-0808	0.6/ft	
2-1/2"	2.87"	3-0900	0.8/ft	
3"	3.54"	6-0809	1.0/ft	
4"	4.65"	3-0672	1.7/ft	
5"	5.73"	3-0675	2.3/ft	
6"	6.98"	3-0673	4.1/ft	
8"	9.14"	3-0674	6.3/ft	
10"	11.30"	3-0901	9.1/ft	
12"	13.31"	3-0902	10.1/ft	

\* Left Hand Spiral also available. Please call.

## PVC SUCTION HOSE (SMOOTH)



ID	OD			
1-1/2"	1.82"	6-0010	0.5/ft	
2"	2.34"	6-0011	0.7/ft	
2 1/2"	2.88"	6-9929	1.0/ft	
3"	3.40"	6-0012	1.3/ft	
4"	4.44"	6-0013	1.9/ft	
5"	5.65"	6-0014	3.1/ft	
6"	6.56"	6-0015	4.6/ft	
8"	8.95"	6-0016	7.1/ft	
10"	11.34"	3-0903	12.4/ft	
12"	13.39"	3-0904	15.7/ft	

## SUCTION HOSE (BLACK RUBBER)



ID	OD	DB Clamp#	Max PSI		
1-1/2"	1.89"	-	150	6-0800	0.8/ft
2"	2.40"	-	150	6-0801	1.0/ft
2-1/2"	3.00"	-	100	9-7723	1.8/ft
3"	3.46"	400	150	6-0802	1.5/ft
4"	4.49"	525	150	6-0803	2.1/ft
5"	5.55"	639	150	6-0804	3.3/ft
6"	6.54"	769	75	6-0805	3.8/ft
8"	8.70"	875	75	6-0806	6.5/ft
10"	10.71"	1125	45	3-0905	9.7/ft
12"	12.80"	1360	90	3-0906	14.1/ft

Towline / Wheelmove



# HOSE CLAMPS

Product	Description		Part Number	Weight	List Price
	Millimeters	Inches			
<b>T-BOLT HOSE CLAMP</b> (ZINC PLATED)	26-28	1.02-1.10	0.75" Suction	3-0703	0.2 100
	29-31	1.14-1.22	1.0" Discharge	3-0704	0.2 100
	32-35	1.26-1.38	1.0" Suction	3-0705	0.2 100
	36-39	1.42-1.54		3-0706	0.2 100
	40-43	1.57-1.69	1.5" Discharge	3-0708	0.2 100
	44-47	1.73-1.85		9-5433	0.2 100
	48-51	1.89-2.01	1.5" Suction	3-0709	0.2 100
	52-55	2.05-2.17	2.0" Discharge	3-0710	0.2 50
	56-59	2.20-2.32		9-5434	0.2 50
	60-63	2.36-2.48	2.0" Suction	3-0712	0.2 50
	64-67	2.52-2.64		3-0713	0.2 50
	68-73	2.68-2.87	2.5" Discharge	3-0714	0.4 50
	74-79	2.91-3.11	2.5" Suction	3-0715	0.4 50
	80-85	3.15-3.35	3.0" Discharge	3-0716	0.4 50
	86-91	3.39-3.58	3.0" Suction	3-0717	0.4 50
	92-97	3.62-3.82		9-5435	0.4 50
	98-103	3.86-4.06		3-0719	0.4 50
	104-112	4.09-4.41	4.0" Discharge	3-0660	0.5 50
	113-121	4.45-4.76	4.5" Suction	3-0720	0.5 25
	122-130	4.80-5.12	4.0"	3-0721	0.5 25
	131-139	5.16-5.47	5.0" Discharge	3-0722	0.7 25
	140-148	5.51-5.83	5.0" Suction	3-0723	0.7 25
	149-161	5.87-6.34	6.0" Discharge	3-0661	0.7 25
	162-174	6.38-6.85	6.0" Suction	3-0724	0.8 25
175-187	6.89-7.36	(For 6" Suction Boot)	3-0725	0.9 25	
188-200	7.40-7.87		3-0726	0.9 25	
201-213	7.91-8.39	8.0" Discharge	3-0662	0.9 25	
214-226	8.43-8.90	8.0" Suction	3-0727	1.0 25	
227-239	8.94-9.41	(For 8" Suction Boot)	3-0728	1.0 25	
240-252	9.45-9.92		3-0729	1.0 25	



**Zinc Plated Band, Bolt & Nut**

**Features:**

1. Double Galvanization
2. Allen screws allow for tightening in the points where there are space problems
3. Thorough spot welding with high resistance to corrosion
4. Use in agriculture, industry, construction, and wastewater
5. Can be used many times over
6. High resistance to corrosion

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



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

Millimeters	Inches				
29-31mm	1.14-1.22	1.0" Discharge	9-6886	0.1	
32-35mm	1.26-1.38	1.0" Suction	9-6887	0.1	
36-39mm	1.42-1.54		9-6888	0.1	
40-43mm	1.58-1.69	1.5" Discharge	9-6889	0.1	
44-47mm	1.73-1.85		9-6890	0.1	
48-51mm	1.89-2.01	1.5" Suction	9-6891	0.1	
52-55mm	2.05-2.17	2.0" Discharge	9-6892	0.1	
56-59mm	2.21-2.32		9-6893	0.1	
60-63mm	2.36-2.48	2.0" Suction	9-6894	0.1	
64-67mm	2.52-2.64		9-6895	0.1	
68-73mm	2.68-2.88	2.5" Discharge	9-6896	0.2	
74-79mm	2.91-3.11	2.5" Suction	9-6897	0.2	
80-85mm	3.15-3.35	3.0" Discharge	9-6898	0.2	
86-91mm	3.39-3.59	3.0" Suction	9-6899	0.2	
92-97mm	3.62-3.82		9-6900	0.2	
98-103mm	3.86-4.06		9-6901	0.2	
104-112mm	4.10-4.41	4.0" Discharge	9-6902	0.2	
113-121mm	4.45-4.77	4.0" Suction	9-6903	0.2	
122-130mm	4.81-5.12		9-6904	0.2	
131-139mm	5.16-5.48	5.0" Discharge	9-6905	0.3	
140-148mm	5.52-5.83	5.0" Suction	9-6906	0.3	
149-161mm	5.87-6.34	6.0" Discharge	9-6907	0.3	
162-174mm	6.38-6.86	6.0" Suction	9-6908	0.3	
175-187mm	6.90-7.37	(For 6" Suction Boot)	9-6909	0.3	
188-200mm	7.41-7.88		9-6910	0.4	
201-213mm	7.92-8.39	8.0" Discharge	9-6911	0.4	
214-226mm	8.43-8.90	8.0" Suction	9-6912	0.4	
226-239mm	8.90-9.42	(For 8" Suction Boot)	9-6913	0.4	
240-252mm	9.46-9.93		9-6914	0.4	
252-275mm	9.92-10.83	10" Discharge	9-7539		
317-330mm	12.48-12.99	12" Discharge	9-7540		
348-374mm	13.70-14.72	14" Discharge**	9-7541		
400-425mm	15.74-16.78	16" Discharge**	9-7542		

\*\*The 14" and 16" Clamps are a two band/  
two bolt clamp.

Product	Description	Part Number	Weight	List Price
<b>T-BOLT HOSE CLAMP</b> (ALL STAINLESS STEEL)	<b>Millimeters</b>	<b>Inches</b>		
	29-31mm	1.14-1.22	1.0" Discharge	6-9518 0.1
	32-35mm	1.26-1.38	1.0" Suction	6-9519 0.1
	36-39mm	1.42-1.54		6-9520 0.1
	40-43mm	1.58-1.69	1.5" Discharge	6-9521 0.1
	44-47mm	1.73-1.85		6-9522 0.1
	48-51mm	1.89-2.01	1.5" Suction	6-9523 0.1
	52-55mm	2.05-2.17	2.0" Discharge	6-9524 0.1
	56-59mm	2.21-2.32		6-9525 0.1
	60-63mm	2.36-2.48	2.0" Suction	6-9526 0.1
	64-67mm	2.52-2.64		6-9527 0.1
	68-73mm	2.68-2.88	2.5" Discharge	6-9528 0.2
	74-79mm	2.91-3.11	2.5" Suction	6-9529 0.2
	80-85mm	3.15-3.35	3.0" Discharge	6-9530 0.2
	86-91mm	3.39-3.59	3.0" Suction	6-9531 0.2
	92-97mm	3.62-3.82		6-9532 0.2
	98-103mm	3.86-4.06		6-9533 0.2
	104-112mm	4.10-4.41	4.0" Discharge	6-9534 0.2
	113-121mm	4.45-4.77	4.0" Suction	6-9535 0.2
	122-130mm	4.81-5.12		6-9536 0.2
	131-139mm	5.16-5.48	5.0" Discharge	6-9537 0.3
	140-148mm	5.52-5.83	5.0" Suction	6-9538 0.3
	149-161mm	5.87-6.34	6.0" Discharge	6-9539 0.3
	162-174mm	6.38-6.86	6.0" Suction	6-9540 0.3
175-187mm	6.90-7.37	(For 6" Suction Boot)	6-9541 0.3	
188-200mm	7.41-7.88		6-9542 0.4	
201-213mm	7.92-8.39	8.0" Discharge	6-9543 0.4	
214-226mm	8.43-8.90	8.0" Suction	6-9544 0.4	
226-239mm	8.90-9.42	(For 8" Suction Boot)	6-9545 0.4	
240-252mm	9.46-9.93		6-9546 0.4	



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

\* Ideal for use on waste water and liquid handling hose fittings.  
 -All stainless steel.  
 -3/4" 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.

Towline / Wheelmove

## DOUBLE BOLT CLAMP



3"	# 400	3.5"-3.81"	9-5801	1.5
4"	# 463	4.06"-4.44"	3-0730	1.8
4-1/2"	# 525	4.25"-4.94"	9-5802	2.3
5"	#550	5.00"-5.50"	9-5864	2.1
5-1/2"	#600	5.50"-6.06"	9-5865	3.0
6"	# 675	6.13"-6.88"	3-0731	2.7
6-1/2"	# 769	6.50"-7.56"	9-5803	3.8
7-7/8"	#818	7.69"-8.19"	9-5866	5.1
8"	# 875	8.25"-8.88"	3-0732	5.6
9"	# 988	8.94"-9.88"	9-5804	6.2
10"	# 1125	9.94"-11.38"	3-0733	9.6
12"	# 1275	11.19"-13.00"	3-0734	9.5
13"	# 1360	12.19"-14.00"	9-5805	15.4
14-1/2"	#1450	13.19"-15.00"	9-5867	16.7
17"	#1700	15.06"-17.50"	9-5868	20.9

## DOUBLE BOLT SPIRAL CLAMP



<b>Right Hand Spiral</b>	1.5"		9-5001	0.2
	2"		6-9745	0.4
	2.5"		9-5003	0.5
	3"		6-9746	0.7
	4"		3-0800	11.8
	5"		3-0801	
	6"		3-0802	
	8"		3-0803	22.8
	10"	(For 10" Suction Boot)	9-5000	3.5
	12"		9-5002	4.1
<b>Left Hand Spiral</b>	1.5"		9-7667	
	2"		9-7668	
	2.5"		9-7669	
	3"		9-7670	
	4"		9-7671	
	5"		9-7672	
	6"		9-7673	
	8"		9-7674	
	10"		9-7675	
	12"		9-7676	

\* Left Hand Spiral also available. Please call.

# NU-FLEX TUBING & SIPHON TUBES

Product	Description	Part Number	Weight	List Price
<b>OETIKER® CLAMP</b> (SINGLE EAR)		3/8"	.350-.414	9-6779
		7/16"	.381-.444	9-6780
		15/32"	.394-.486	9-6781
		1/2"	.453-.524	9-6782
		35/64"	.472-.551	9-6783
		9/16"	.496-.571	9-6784
		5/8"	.543-.618	9-6785
		21/32"	.547-.650	9-6786
		11/16"	.594-.669	9-6787
		23/32"	.618-.728	9-6788
		3/4"	.669-.779	9-6789
		13/16"	.716-.827	9-6790
		7/8"	.779-.890	9-6791
		15/16"	.839-.949	9-6792
		1"	.898-1.008	9-6793
		1-1/16"	.945-1.067	9-6794
		1-1/8"	1.004-1.126	9-6795
		1-3/16"	1.063-1.185	9-6796
		1-5/16"	1.181-1.303	9-6797
		1-3/8"	1.240-1.362	9-6798
		1-15/32"	1.358-1.480	9-6799
		1-9/16"	1.437-1.559	9-6800
		1-5/8"	1.492-1.614	9-6801
		1-11/16"	1.551-1.673	9-6802
		1-23-32"	1.610-1.732	9-6803
		1-3/4"	1.669-1.791	9-6804
		1-13/16"	1.728-1.850	9-6805
		1-7/8"	1.787-1.909	9-6806
	1-15/16"	1.846-1.968	9-6807	
	2"	1.905-2.028	9-6808	
	Pinch Clamp Tool	9-6809		<b>56.00</b>

-Oetiker ear type clamps "Breathe" and adapt to the expansion and contraction of hose affected by thermodynamics or aging, no need to retighten  
 -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

## 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**

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

-Band & Housing:  
 X6Cr17 Stainless Steel (DIN 1.4016) (AISI-430)

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

## SECTION THREE



**Aluminum & PVC Sprinkler Pipe**

**Standard Aluminum Mainline Pipe**

**Tubing Corrugated Drainage Pipe**

**Heavy Wall Aluminum Pipe**

**Gated Aluminum Pipe**

**Poly Pipe**

**PVC Surface Gated Pipe**

**PVC Surface Accessories**

**PVC Underground Pipe**

**Gates & Gate Socks**

**Pipe Turners**

**Vacuum Pipe**

# NU-FLEX TUBING & SIPHON TUBES



Product	Description	Part Number	Weight	List Price
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## NU-FLEX LAYFLAT SURFACE TUBING

(FOR FLOOD/FURROW IRRIGATION)



Dia	Length	Mil	Max GPM		Wt.
5"	500'	6	250	6-9798	19
5"	1000'	6	250	6-9799	38
9"	1320'	5	449	6-9801	73
9"	950'	7	449	6-9802	73
10"	1000'	10	598	6-9804	95
12"	1320'	5	898	6-9805	98
12"	950'	7	898	6-9807	98
12"	1320'	7	898	6-9808	136
12"	1320'	8	898	9-7693	
12"	1000'	10	898	6-9809	153
15"	1320'	5	1347	6-9810	126
15"	1320'	7	1347	6-9812	174
18"	850'	7	1750	6-9816	135
18"	600'	10	1750	6-9818	135
21"	700'	8	2200	6-9819	145
24"	700'	8	2650	6-9821	166

Slide Gate for Surface Tubing 9-5242

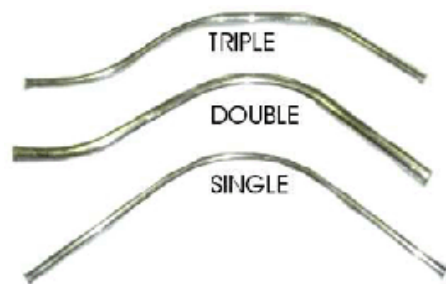
Call for other sizes, mil thicknesses and tools.

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

## 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		9-5379			
3/4"	54"			9-5380			
3/4"	60"	9-5363		9-5381		9-5405	
3/4"	72"			9-5382		9-5406	
1"	48"	9-5364					
1"	54"	9-5365		9-5383			
1"	60"	9-5366		9-5384		9-5407	
1"	72"	9-5367		9-5385		9-5408	
1"	90"					9-5409	
1-1/4"	48"	9-5368					
1-1/4"	54"	9-5369		9-5386			
1-1/4"	60"	9-5370		9-5387		9-5410	
1-1/4"	64"			9-5388			
1-1/4"	72"	9-5371		9-5389		9-5411	
1-1/4"	90"					9-5412	
1-1/2"	48"	9-5372					
1-1/2"	54"			9-5390			
1-1/2"	60"	9-5373		9-5391		9-5413	
1-1/2"	64"			9-5392			
1-1/2"	72"	9-5374		9-5393		9-5414	
1-1/2"	90"					9-5415	
2"	48"	9-5375					
2"	54"			9-5394			
2"	60"	9-5376		9-5395		9-5416	
2"	64"			9-5396			
2"	72"	9-5377		9-5397		9-5417	
2"	90"					9-5418	
3"	60"	9-5378		9-5398			
3"	72"			9-5399			
3"	90"			9-5400		9-5419	
4"	72"			9-5401			
4"	96"			9-5402			
4"	120"					9-5420	
5"	96"			9-5403		9-5421	
5"	120"					9-5422	
6"	96"			9-5404		9-5423	
6"	120"					9-5424	

# ALUMINUM & PVC SPRINKLER PIPE

Product	Description	Part Number	Weight	List Price
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## ALUMINUM



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

2" x 20'	4-0530	.45/ft
2" x 30'	4-0531	.42/ft
2" x 40'	4-0532	.41/ft
3" x 20'	4-0536	.65/ft
3" x 30'	4-0537	.61/ft
3" x 40'	4-0538	.60/ft
4" x 20'	4-0533	.86/ft
4" x 30'	4-0534	.82/ft
4" x 40'	4-0535	.80/ft

Pipe

## PVC W/SPIKE COUPLER



Has 3/4" riser outlet.  
\*See page 53 for spike couplers

2" x 30'	4-3510	--
2" x 40'	4-3511	--
2-1/2" x 30'	4-3512	--
2-1/2" x 40'	4-3513	--

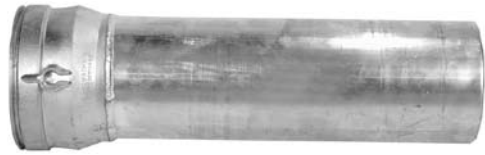
## PIECES/TRUCKLOAD:

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

# STANDARD ALUMINUM MAINLINE PIPE



Product	Description	Part Number	Weight	List Price	
<b>PLAIN</b>		Wall	Max PSI	Weight	
		4" x 20' .050	---	4-0110	.79/ft
		4" x 30' .050	---	4-0111	.77/ft
		4" x 40' .050	---	4-0112	.76/ft
		6" x 10' .051	---	4-0130	1.25/ft
		6" x 15' .051	---	4-0131	1.20/ft
		6" x 20' .051	---	4-0132	1.18/ft
		6" x 30' .051	---	4-0133	1.15/ft
		6" x 40' .051	---	4-0134	1.14/ft
		8" x 10' .051	---	4-0160	1.73/ft
		8" x 15' .051	---	4-0161	1.65/ft
		8" x 20' .051	---	4-0162	1.62/ft
		8" x 30' .051	---	4-0163	1.58/ft
		8" x 40' .051	---	4-0164	1.56/ft
		10" x 10' .051	---	4-0190	2.35/ft
		10" x 15' .051	---	4-0191	2.20/ft
	10" x 20' .051	---	4-0192	2.13/ft	
	10" x 30' .051	---	4-0193	2.05/ft	
	10" x 40' .051	---	4-0194	2.01/ft	



## BAND & HOOK



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

	4" x 20' .050	---	4-0120	.82/ft
	4" x 30' .050	---	4-0121	.79/ft
	4" x 40' .050	---	4-0122	.77/ft
	6" x 10' .051	100#	4-0140	1.53/ft
	6" x 15' .051	100#	4-0141	1.38/ft
	6" x 20' .051	100#	4-0142	1.31/ft
	6" x 30' .051	100#	4-0143	1.24/ft
	6" x 40' .051	100#	4-0144	1.21/ft
	8" x 10' .051	70#	4-0170	2.11/ft
	8" x 15' .051	70#	4-0171	1.90/ft
	8" x 20' .051	70#	4-0172	1.80/ft
	8" x 30' .051	70#	4-0173	1.70/ft
	8" x 40' .051	70#	4-0174	1.65/ft
	10" x 10' .051	60#	4-0195	2.80/ft
	10" x 15' .051	60#	4-0196	2.50/ft
	10" x 20' .051	60#	4-0197	2.35/ft
	10" x 30' .051	60#	4-0198	2.20/ft
	10" x 40' .051	60#	4-0199	2.13/ft

## RINGLOCK (STANDARD WALL)



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

	6" x 10' .051	125#	4-0150	1.81/ft
	6" x 15' .051	125#	4-0151	1.58/ft
	6" x 20' .051	125#	4-0152	1.46/ft
	6" x 30' .051	125#	4-0153	1.34/ft
	6" x 40' .051	125#	4-0154	1.28/ft
	8" x 10' .051	90#	4-0180	2.48/ft
	8" x 15' .051	90#	4-0181	2.15/ft
	8" x 20' .051	90#	4-0182	1.99/ft
	8" x 30' .051	90#	4-0183	1.83/ft
	8" x 40' .051	90#	4-0184	1.75/ft
	10" x 10' .051	70#	4-0185	3.29/ft
	10" x 15' .051	70#	4-0186	2.83/ft
	10" x 20' .051	70#	4-0187	2.59/ft
	10" x 30' .051	70#	4-0188	2.36/ft
	10" x 40' .051	70#	4-0189	2.25/ft

Product	Description	Part Number	Weight	List Price	
<b>STEEL TUBING</b>					
	<b>Diameter (O.D.)</b>	<b>Gauge</b>	<b>Wall Thick-ness</b>	<b>Weight</b>	
	2"	11 ga.	.125	4-0507	2.4/ft
	2-1/2"	11 ga.	.125	4-0508	3.1/ft
	3"	11 ga.	.083	4-0509	2.6/ft
	4"	14 ga.	.083	9-5146	3.2/ft
	4"	12 ga.	.105	4-0510	4.5/ft
	4"	11 ga.	.125	9-5145	4.9/ft
	4"	10 ga.	.135	9-5137	5.7/ft
	4"	10 ga. SS #304	.135	9-5161	5.7/ft
	5"	12 ga.	.105	4-0511	5.6/ft
	5"	11 ga.	.125	9-5142	6.3/ft
	5"	10 ga.	.135	9-5141	7.2/ft
	6"	14 ga.	.083	9-5147	4.8/ft
	6"	12 ga.	.105	4-0512	6.8/ft
	6"	10 ga.	.135	9-5138	8.6/ft
	6"	10 ga. SS #304	.135	9-5162	8.6/ft
	6"	7 ga. (3/16")	.188	9-5151	11.6/ft
	6-5/8"	12 ga.	.105	4-0513	7.9/ft
	6-5/8"	10 ga.	.135	9-5139	9.6/ft
	6-5/8"	7 ga. (3/16")	.188	9-5152	12.9/ft
	8"	14 ga.	.083	9-5148	6.5/ft
	8"	12 ga.	.105	4-0514	9.0/ft
	8"	11 ga.	.125	9-5144	10.3/ft
	8"	10 ga.	.135	9-5140	11.6/ft
	8"	10 ga. SS #304	.135	9-5163	11.6/ft
	8"	7 ga. (3/16")	.188	9-5153	15.6/ft
	8-5/8"	12 ga.	.105	4-0515	12.2/ft
10"	12 ga.	.105	4-0516	11.3/ft	
10"	10 ga.	.135	9-5136	14.5/ft	
10"	7 ga. (3/16")	.188	9-5150	19.7/ft	
10-3/4"	10 ga.	.135	9-5287	15.6/ft	
12"	12 ga.	.105	4-0517	13.6/ft	
12"	10 ga.	.135	9-5307	17.5/ft	
12-3/4"	10 ga.	.135	9-5288	18.3/ft	



**ALUMINUM TUBING**

Diameter (O.D.)	Wall	Part Number	Weight
2"	.050	4-0540	0.36/ft
3"	.050	4-0541	0.54/ft
4"	.050	4-0520	0.73/ft
4"	.072	4-0542	1.05/ft
5"	.052	4-0543	0.94/ft
5"	.078	4-0544	1.42/ft
6"	.051	4-0521	1.1/ft
6"	.058	4-0522	1.26/ft
6"	.083	4-0545	1.81/ft
7"	.064	4-0546	1.64/ft
8"	.051	4-0523	1.5/ft
8"	.064	4-0524	1.88/ft
8"	.072	4-0547	2.11/ft
8"	.090	4-0548	2.78/ft
9"	.051	4-0621	1.75/ft
9"	.064	4-0529	2.24/ft
10"	.051	4-0525	1.9/ft
10"	.064	4-0526	2.38/ft
10"	.094	4-0549	3.44/ft
12"	.064	4-0550	2.86/ft
12"	.094	4-0551	4.19/ft



Pipe

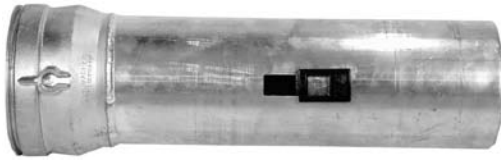


# GATED ALUMINUM



Product	Description	Part Number	Weight	List Price
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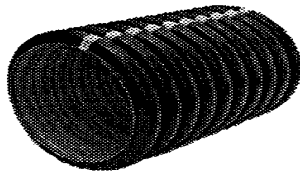
## ALUMINUM GATED PIPE - .051\*



\*Gates included, but not installed.

	Gates/Pipe			
6" x 20' - 20"	12	4-0310	1.18/ft	
6" x 20' - 30"	8	4-0320	1.18/ft	
6" x 20' - 40"	6	4-0330	1.18/ft	
6" x 30' - 20"	18	4-0311	1.15/ft	
6" x 30' - 30"	12	4-0321	1.15/ft	
6" x 30' - 36"	10	4-0323	1.15/ft	
6" x 30' - 40"	40	4-0331	1.15/ft	
6" x 40' - 20"	24	4-0312	1.14/ft	
6" x 40' - 30"	16	4-0322	1.14/ft	
6" x 40' - 40"	12	4-0332	1.14/ft	
8" x 20' - 20"	12	4-0340	1.62/ft	
8" x 20' - 30"	8	4-0350	1.62/ft	
8" x 20' - 40"	6	4-0360	1.62/ft	
8" x 30' - 20"	18	4-0341	1.58/ft	
8" x 30' - 30"	12	4-0351	1.58/ft	
8" x 30' - 36"	10	4-0353	1.58/ft	
8" x 30' - 40"	9	4-0361	1.58/ft	
8" x 40' - 20"	24	4-0342	1.56/ft	
8" x 40' - 30"	16	4-0352	1.56/ft	
8" x 40' - 40"	12	4-0362	1.56/ft	
10" x 20' - 20"	12	4-0370	2.13/ft	
10" x 20' - 30"	8	4-0380	2.13/ft	
10" x 20' - 40"	6	4-0390	2.13/ft	
10" x 30' - 20"	18	4-0371	2.05/ft	
10" x 30' - 30"	12	4-0381	2.05/ft	
10" x 30' - 36"	10	4-0383	2.05/ft	
10" x 30' - 40"	9	4-0391	2.05/ft	
10" x 40' - 20"	24	4-0372	2.01/ft	
10" x 40' - 30"	16	4-0382	2.01/ft	
10" x 40' - 40"	12	4-0392	2.01/ft	

## CORRUGATED PLASTIC DRAINAGE PIPE



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

	3"	4-0700	--
	4"	4-0701	--
	5"	4-0702	--
	6"	4-0703	--
	8"	4-0704	--
	10"	4-0705	--
	12"	4-0706	--
	15"	4-0707	--
	18"	4-0708	--
	24"	4-0709	--
<b>Smooth Interior:</b>	12"	4-0710	--
	15"	4-0711	--
	18"	4-0712	--
	24"	4-0713	--

\* Quantity and Truckload Discounts available. Please Call.

# PVC SURFACE GATED PIPE

Product	Description	Part Number	Weight	List Price
<b>PVC SURFACE GATED (STANDARD WALL)</b>	<u>Wall</u>			
	6" x 30' - plain	.12	4-3305	1.5/ft
	6" x 30' - 20"	.12	4-3311	1.5/ft
	6" x 30' - 30"	.12	4-3321	1.5/ft
	6" x 30' - 36"	.12	4-3300	1.5/ft
	6" x 30' - 40"	.12	4-3331	1.5/ft
	8" x 30' - plain	.12	4-3306	2.0/ft
	8" x 30' - 20"	.12	4-3341	2.0/ft
	8" x 30' - 30"	.12	4-3351	2.0/ft
	8" x 30' - 36"	.12	4-3301	2.0/ft
	8" x 30' - 40"	.12	4-3361	2.0/ft
	10" x 30' - plain	.12	4-3307	2.5/ft
	10" x 30' - 20"	.12	4-3371	2.5/ft
	10" x 30' - 30"	.12	4-3381	2.5/ft
	10" x 30' - 36"	.12	4-3302	2.5/ft
10" x 30' - 40"	.12	4-3391	2.5/ft	
12" x 30' - plain	.12	4-3308	3.0/ft	
12" x 30' - 20"	.12	4-3320	3.0/ft	
12" x 30' - 30"	.12	4-3324	3.0/ft	
12" x 30' - 36"	.12	4-3322	3.0/ft	
12" x 30' - 40"	.12	4-3323	3.0/ft	



Standard wall

\*Above w/b&h will take 20-25 psi  
 - Compatible w/Aluminum pipe and fittings  
 - Adjustable Telescopic Coupler

## PVC SURFACE GATED (LIGHT WALL)



Light wall


6" x 30' - plain	.10	4-3600	1.25/ft
6" x 30' - 20"	.10	4-3601	1.25/ft
6" x 30' - 30"	.10	4-3602	1.25/ft
6" x 30' - 36"	.10	4-3603	1.25/ft
6" x 30' - 40"	.10	4-3604	1.25/ft
8" x 30' - plain	.09	4-3309	1.6/ft
8" x 30' - 20"	.09	4-3330	1.6/ft
8" x 30' - 30"	.09	4-3334	1.6/ft
8" x 30' - 36"	.09	4-3402	1.6/ft
8" x 30' - 40"	.09	4-3403	1.6/ft
10" x 30' - plain	.10	4-3310	2.1/ft
10" x 30' - 20"	.10	4-3404	2.1/ft
10" x 30' - 30"	.10	4-3405	2.1/ft
10" x 30' - 36"	.10	4-3406	2.1/ft
10" x 30' - 40"	.10	4-3407	2.1/ft


\*Above w/b&h will take 20-25 psi.


Pipe


# HEAVY WALL ALUMINUM & ACCESSORIES




Product	Description	Part Number	Weight	List Price	
<b>RINGLOCK</b> (HEAVY WALL)		<u>Wall</u> <u>Max PSI</u>			
		6" x 20' .058	150#	4-0220	1.53/ft
		6" x 30' .058	150#	4-0221	1.44/ft
		6" x 40' .058	150#	4-0222	1.39/ft
		8" x 20' .064	150#	4-0260	2.23/ft
		8" x 30' .064	150#	4-0261	2.11/ft
		8" x 40' .064	150#	4-0262	2.06/ft
		10" x 20' .064	125#	4-0290	2.79/ft
		10" x 30' .064	125#	4-0291	2.65/ft
		10" x 40' .064	125#	4-0292	2.58/ft

Product	Description	Part Number	Weight	List Price	
<b>TWIST LOCK PIPE</b>		<u>Wall</u> <u>Max PSI</u>			
		4" x 20' .050	150#	4-0715	--
		4" x 30' .050	150#	4-0716	--
		4" x 40' .050	150#	4-0717	--
		5" x 20' .051	150#	4-0718	--
		5" x 30' .051	150#	4-0719	--
		5" x 40' .051	150#	4-0720	--
		6" x 20' .058	150#	4-0721	--
		6" x 30' .058	150#	4-0722	--
		6" x 40' .058	150#	4-0723	--
		8" x 20' .064	125#	4-0724	--
		8" x 30' .064	125#	4-0725	--
8" x 40' .064		125#	4-0726	--	

Product	Description	Part Number	Weight	List Price
<b>REPLACEMENT COUPLER</b> (PVC SURFACE)		6"	4-3392	1.5
		8"	4-3393	3.0
		10"	4-3394	3.5
		12"	4-4400	4.0

Product	Description	Part Number	Weight	List Price
<b>REPAIR SPLICER</b> (PVC SURFACE)		6"	4-3395	0.5
		8"	4-3396	1.0
		10"	4-3397	1.0
		12"	4-4401	1.5

Product	Description	Part Number	Weight	List Price
<b>STEEL COLLAR</b> (PVC SURFACE)		6"	4-3398	1.3
		8"	4-3399	1.6
		10"	4-3400	2.0
		12"	4-3401	2.5

Product	Description	Part Number	Weight	List Price
<b>CAPLOCK</b> (PVC SURFACE)		6"	4-4402	
		8"	4-4403	
		10"	4-4404	
		12"	4-4405	

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

Product	Description	Part Number	Weight	List Price
<b>ALUMINUM VACUUM PIPE</b>				



-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.


Size	Length	Wall	Type	Part #	List Price
4"	5'	0.072	Cast Alum Ball/Socket w/lever	9-5062	
4"	10'	0.072	Cast Alum Ball/Socket w/lever	9-5063	
4"	15'	0.072	Cast Alum Ball/Socket w/lever	9-5064	
4"	20'	0.072	Cast Alum Ball/Socket w/lever	9-5065	
4"	25'	0.072	Cast Alum Ball/Socket w/lever	9-5066	
4"	30'	0.072	Cast Alum Ball/Socket w/lever	9-5067	
6"	5'	0.083	Cast Alum Ball/Socket w/lever	9-5068	
6"	10'	0.083	Cast Alum Ball/Socket w/lever	9-5069	
6"	15'	0.083	Cast Alum Ball/Socket w/lever	9-5070	
6"	20'	0.083	Cast Alum Ball/Socket w/lever	9-5071	
6"	25'	0.083	Cast Alum Ball/Socket w/lever	9-5072	
6"	30'	0.083	Cast Alum Ball/Socket w/lever	9-5073	
8"	5'	0.094	Cast Alum Ball/Socket w/lever	9-5074	
8"	10'	0.094	Cast Alum Ball/Socket w/lever	9-5075	
8"	15'	0.094	Cast Alum Ball/Socket w/lever	9-5076	
8"	20'	0.094	Cast Alum Ball/Socket w/lever	9-5077	
8"	25'	0.094	Cast Alum Ball/Socket w/lever	9-5078	
8"	30'	0.094	Cast Alum Ball/Socket w/lever	9-5079	


Size	Length	Wall	Type	Part #	List Price
4"	5'	0.072	Cast Alum Ring Lock w/rc	9-5098	
4"	10'	0.072	Cast Alum Ring Lock w/rc	9-5099	
4"	15'	0.072	Cast Alum Ring Lock w/rc	9-5100	
4"	20'	0.072	Cast Alum Ring Lock w/rc	9-5101	
4"	25'	0.072	Cast Alum Ring Lock w/rc	9-5102	
4"	30'	0.072	Cast Alum Ring Lock w/rc	9-5103	
6"	5'	0.083	Cast Alum Ring Lock w/rc	9-5104	
6"	10'	0.083	Cast Alum Ring Lock w/rc	9-5105	
6"	15'	0.083	Cast Alum Ring Lock w/rc	9-5106	
6"	20'	0.083	Cast Alum Ring Lock w/rc	9-5107	
6"	25'	0.083	Cast Alum Ring Lock w/rc	9-5108	
6"	30'	0.083	Cast Alum Ring Lock w/rc	9-5109	
8"	5'	0.094	Cast Alum Ring Lock w/rc	9-5110	
8"	10'	0.094	Cast Alum Ring Lock w/rc	9-5111	
8"	15'	0.094	Cast Alum Ring Lock w/rc	9-5112	
8"	20'	0.094	Cast Alum Ring Lock w/rc	9-5113	
8"	25'	0.094	Cast Alum Ring Lock w/rc	9-5114	
8"	30'	0.094	Cast Alum Ring Lock w/rc	9-5115	

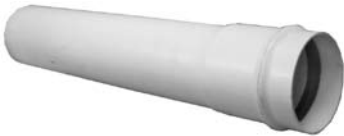
Pipe


# PVC UNDERGROUND PIPE



Product	Description		Part Number	Weight	List Price		
	Diameter	O D	I D	Thickness	SDR		
<b>50# PVC GASKETED PIPE</b>  *Solvent	*6" PIP	6.14	5.989	.760	81	4-0610	1.1/ft
	8" PIP	8.16	7.958	.101	81	4-0650	1.7/ft
	10" PIP	10.20	9.948	.126	81	4-0681	2.6/ft
	12" PIP	12.24	11.938	.151	81	4-0691	3.8/ft
	15" PIP	15.30	14.922	.189	81	4-0695	5.8/ft
	*16" PIP	16.000	15.608	.196	81	4-0696	6.5/ft

<b>80# PVC GASKETED PIPE</b> 	6" PIP	6.14	5.90	.12	51	4-0620	1.5/ft
	8" PIP	8.16	7.84	.16	51	4-0660	2.6/ft
	10" PIP	10.20	9.80	.20	51	4-0682	4.1/ft
	12" PIP	12.24	11.76	.24	51	4-0692	6.1/ft
	15" PIP	15.30	14.70	.30	51	4-0697	9.4/ft
	18" PIP	18.70	17.96	.37	51	4-0800	14.3/ft
	21" PIP	22.05	21.19	.43	51	4-0802	19.8/ft
	24" PIP	24.80	23.83	.49	51	4-0804	26.1/ft
	27" PIP	27.95	26.86	.55	51	4-0806	33.6/ft





<b>100# PVC GASKETED PIPE</b> 	4" IPS	4.50	---	---	41	4-0644	1.0/ft
	6" IPS	6.63	6.30	.162	41	4-0850	2.2/ft
	8" IPS	8.63	8.21	.210	41	4-0851	3.6/ft
	10" IPS	10.75	10.23	.262	41	4-0852	5.7/ft
	12" IPS	12.75	12.13	.311	41	4-0853	8.0/ft
	6" PIP	6.14	5.84	.150	41	4-0630	1.9/ft
	8" PIP	8.16	7.76	.199	41	4-0670	3.3/ft
	10" PIP	10.20	9.70	.249	41	4-0683	5.1/ft
	12" PIP	12.24	11.64	.299	41	4-0693	7.5/ft
	15" PIP	15.30	14.46	.373	41	4-0698	11.7/ft
	18" PIP	18.7	17.78	.456	41	4-0801	17.6/ft
	21" PIP	22.05	20.97	.538	41	4-0803	24.6/ft
	24" PIP	24.8	23.59	.605	41	4-0805	32.4/ft
	27" PIP	27.95	26.59	.683	41	4-0807	41.8/ft

<b>125# PVC GASKETED PIPE</b>  *Solvent	1-1/4" IPS*	1.77	1.380	.197	32.5	4-3501	0.4/ft
	2" IPS	2.38	2.229	.073	32.5	4-3504	0.3/ft
	2-1/2" IPS	2.88	2.195	.088	32.5	4-0814	0.5/ft
	3" IPS	3.50	2.830	.108	32.5	4-0815	0.7/ft
	4" IPS	4.50	4.224	.138	32.5	4-0639	1.3/ft
	6" IPS	6.63	6.217	.204	32.5	4-0855	2.7/ft
	8" IPS	8.63	8.095	.265	32.5	4-0856	4.6/ft
	10" IPS	10.75	10.088	.331	32.5	4-0857	7.1/ft
	12" IPS	12.75	11.966	.392	32.5	4-0858	9.9/ft
	6" PIP	6.14	5.762	.189	32.5	4-0640	2.3/ft
	8" PIP	8.16	7.658	.251	32.5	4-0680	4.2/ft
	10" PIP	10.20	9.572	.314	32.5	4-0684	6.4/ft
	12" PIP	12.24	11.49	.377	32.5	4-0694	9.4/ft
	15" PIP	15.30	14.36	.471	32.5	4-0699	14.8/ft

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	--

# PVC UNDERGROUND PIPE

Product	Description	Part Number	Weight	List Price			
<b>160# PVC GASKETED PIPE</b>  *Solvent	Diameter	OD	ID	Thickness SDR			
	1" IPS*	--	--	--	26	4-0816	--
	1-1/4" IPS*	1.66	1.532	0.064	26	4-3502	0.2/ft
	1-1/2" IPS	1.90	1.754	0.073	26	4-3503	0.3/ft
	2" IPS	2.38	2.193	0.091	26	4-3505	0.4/ft
	2-1/2" IPS	2.88	2.655	0.110	26	4-3506	0.6/ft
	3" IPS	3.50	3.230	0.135	26	4-3508	0.9/ft
	4" IPS	4.50	4.154	0.173	26	4-0671	1.6/ft
	6" IPS	6.63	6.115	0.255	26	4-0672	3.4/ft
	8" IPS	8.63	7.961	0.332	26	4-0673	5.7/ft
10" IPS	10.75	9.924	0.413	26	4-0674	8.9/ft	
12" IPS	12.75	11.77	0.490	26	4-0808	12.67/ft	
<b>200# PVC GASKETED PIPE</b>  *Solvent	1/2" IPS*	.84	.716	0.022	13.5	4-0817	0.098/ft
	3/4" IPS*	1.05	.930	0.060	21	4-0818	0.122/ft
	1" IPS*	1.315	1.189	0.063	21	4-3500	0.164/ft
	1-1/4" IPS*	1.660	1.502	0.079	21	4-0819	0.259/ft
	1-1/2" IPS	1.900	1.720	0.090	21	4-0820	0.338/ft
	2" IPS	2.375	2.149	0.113	21	4-3507	0.530/ft
	2-1/2" IPS	2.875	2.601	0.137	21	4-0821	0.776/ft
	3" IPS	3.500	3.166	0.167	21	4-0822	1.154/ft
	4" IPS	4.500	4.072	0.214	21	4-0809	1.900/ft
	6" IPS	6.625	5.993	0.316	21	4-0810	4.150/ft
	8" IPS	8.625	7.805	0.410	21	4-0811	7.055/ft
	10" IPS	10.75	9.728	0.500	21	4-0812	10.99/ft
12" IPS	12.75	11.54	0.606	21	4-0813	15.53/ft	
<b>SCHEDULE 40 PVC PIPE (SOLVENT)</b> 	1/2"	0.840	0.612	0.109	--	4-0823	0.164/ft
	3/4"	1.050	0.824	0.113	--	4-0824	0.219/ft
	1"	1.315	1.049	0.133	--	4-0825	0.325/ft
	1-1/4"	1.660	1.380	0.140	--	4-0826	0.440/ft
	1-1/2"	1.900	1.610	0.145	--	4-0827	0.526/ft
	2"	2.375	2.067	0.154	--	4-0828	0.708/ft
	2-1/2"	2.875	2.469	0.203	--	4-0829	1.123/ft
	3"	3.500	3.068	0.216	--	4-0830	1.469/ft
	4"	4.500	4.026	0.237	--	4-0831	2.090/ft
	6"	6.625	6.065	0.280	--	4-0832	3.680/ft
8"	8.625	7.962	0.332	--	4-0833	5.590/ft	
<b>SCHEDULE 80 PVC PIPE (SOLVENT)</b> 	1/2"	0.840	0.546	0.147	--	4-0834	0.205/ft
	3/4"	1.050	0.742	0.154	--	4-0835	0.278/ft
	1"	1.315	0.957	0.179	--	4-0836	0.409/ft
	1-1/4"	1.660	1.278	0.191	--	4-0837	0.567/ft
	1-1/2"	1.900	1.500	0.200	--	4-0838	0.686/ft
	2"	2.375	1.939	0.218	--	4-0839	0.949/ft
	2-1/2"	2.875	2.323	0.276	--	4-0840	1.449/ft
	3"	3.500	2.900	0.300	--	4-0841	1.938/ft
	4"	4.500	3.826	0.337	--	4-0842	2.833/ft
	6"	6.625	5.761	0.432	--	4-0843	5.446/ft
8"	8.625	7.625	0.500	--	4-0844	8.270/ft	

Pipe

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	--

Product	Description	Part Number	Weight	List Price
<b>DAM GATE</b>	6"	4-0460	0.1	
	8"-10"-12"	4-0461	0.1	

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



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

**ROUGHNECK GATE**

Rectangle, 6"	4-0219	0.1
Rectangle, 8" - 10"	4-0200	0.1
Keyhole, 8" - 10"	4-0201	0.1
Keyhole, 6"	6-9789	0.1



Rectangle



Keyhole

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

Roughneck gates perform better in sunlight and will not stick to Alum or PVC pipe.

Features:

1. Can be adjusted again and again to maintain leak-proof seats
2. Screw interlock holds tension until you change it. Adjustable gates substantially reduce water leakage.
3. Interlocking feature of top and screw-head reduces the possibility of the screw loosening
4. No tools are necessary to install or remove gate
5. Built with the most durable material available for irrigation gates and have no metal parts to corrode.

**KEYHOLE GATE**

6"	4-0436	0.1
8"-10"	4-0441	0.1



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

Product	Description	Part Number	Weight	List Price
<b>HASTINGS GATE</b>	Universal, 8"-9"-10"	4-0462	0.1	
	Round Front, 6"	4-0463	0.1	
	Round Front, 8"-9"-10"	4-0464	0.1	
	Conversion, 1-5/8"x4-1/4" Hole	4-0465	0.2	



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

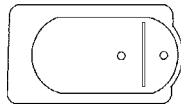


**Round Front**

**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**



Rubber Bottom only  
Screw (need 2/gate)

4-0495  
4-0496

**OVAL GATE**

one size

4-0470

0.2



**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

Pipe



# GATES & GATE SOCKS



Product	Description	Part Number	Weight	List Price
<b>GATE SOCK CLIP</b> 	Round 6"	4-0480	0.2	
	Round 8"	4-0481	0.2	
	Round 10"	4-0482	0.2	
	Round 12"	4-0483	0.2	

## GATE SOCK



Vinyl Coated Polyester 4-0490 0.1

\*36" long with closed end

## PIPE TURNER



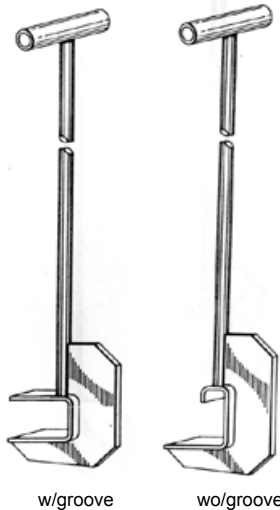
6"	4-0475	10.3
8"	4-0476	11.3
9"	4-0477	12.3
10"	4-0478	12.3
12"	4-0479	12.8

## GATE TOOL



-- 6-1814

## PULL APART TOOL



With Groove	8-1429
Without Groove	8-1430
For PVC Pipe	9-5286

# SECTION FOUR



**Volume Gun Stands**

**Gun Stands**

**Trailers, Travelers & Accessories**

**Splice Kit**

**Hose Pull Coupler**

**Sprinklers**

**Gear Drive Sprinklers**

**Sprinkler Charts**

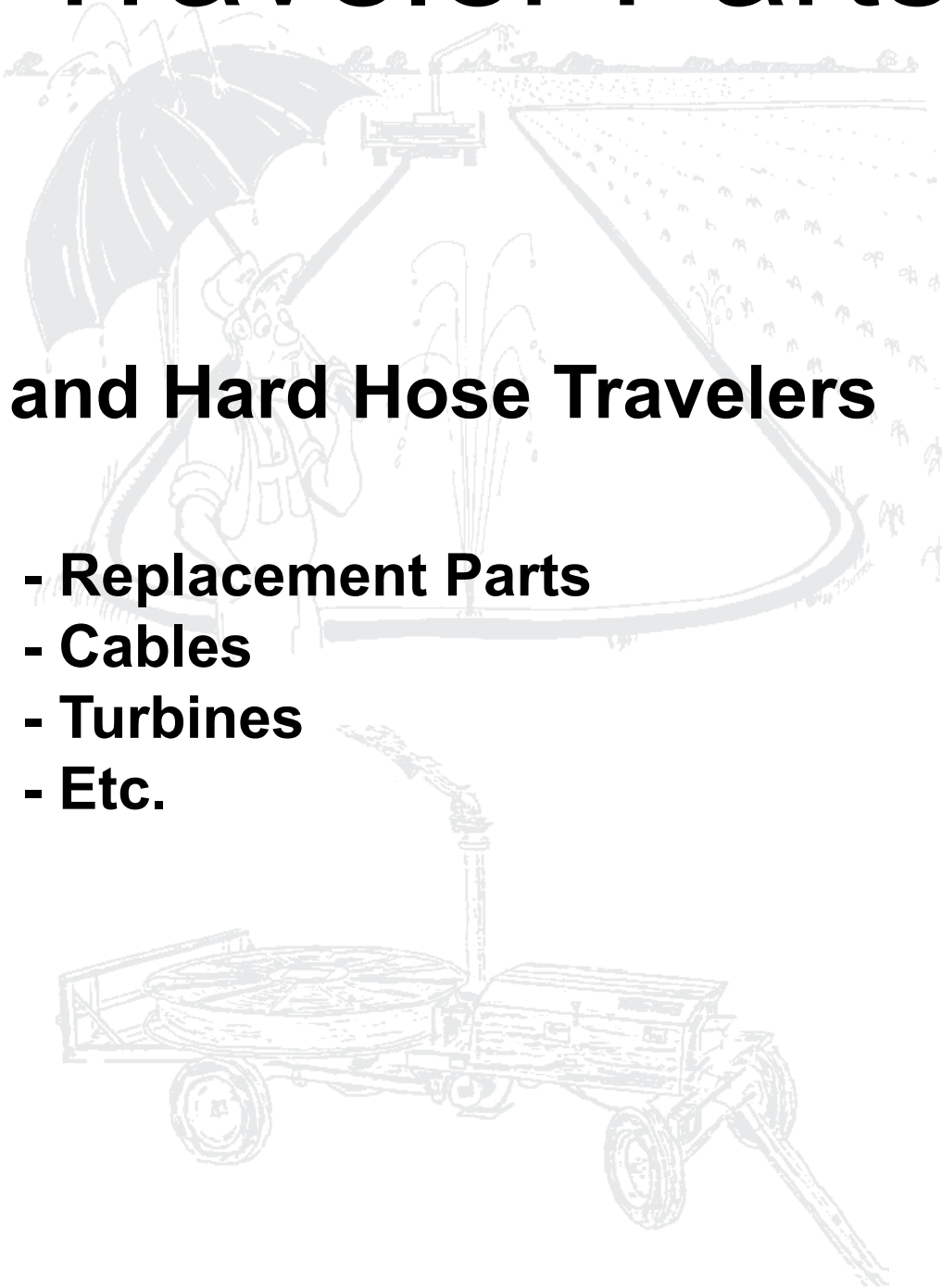
**Nozzles**

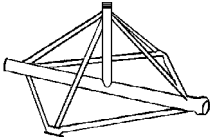
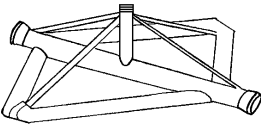
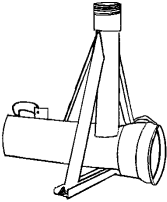
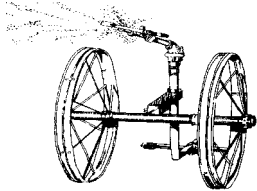
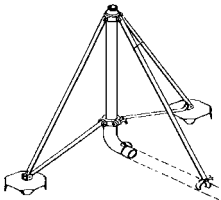
**Pressure Regulator**

# Traveler Parts

## Soft and Hard Hose Travelers

- Replacement Parts
- Cables
- Turbines
- Etc.



Product	Description	Part Number	Weight	List Price
<p><b>GUN STAND</b> (FOLD DOWN - MODEL A) (ALUMINUM)</p> <p>Hook style. Aluminum. With 3" male threaded top.</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> 	4"	5-0110	40	
<p><b>GUN STAND</b> (STANDARD - MODEL B) (ALUMINUM)</p> <p>Ideal stand for: 1. Hard to reach corners areas 2. Liquid manure applications 3. Pivot corners</p> <p>Ringlock. Aluminum. With 4" male threaded top. Water filled base for superior stability</p> <p><u>Recommended Guns:</u> Small Medium Large</p> 	6"	5-0120	48	
<p><b>GIANT SPRINKLER STAND</b> (GALVANIZED STEEL)</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> <p>With male or female threaded top. Specify size.</p> 	<p>3" 5-0130 23</p> <p>4" 5-0131 25</p> <p>5" 5-0132 26</p> <p>6" 5-0133 27</p>			
<p><b>GUN CART</b> (GALVANIZED STEEL)</p> <p>* With 2" FPT &amp; 2-1/2" MPT top. * Gun is not included. See pages 66-73. * Standard Profile * 57" Wheels * 4" Male B&amp;H and B&amp;L</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> 	4"	5-0140	116	
<p><b>GUN STAND</b> (MODEL LE) (ALUMINUM)</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> <p>* With 2" FPT/2-1/2" MPT Top. * State mainline size when ordering. * 30" Riser Length.</p> 	<p>3" 5-0150 20</p> <p>4" 9-7694</p> <p>5" 9-7695</p>			

Gun Stands/Sprinklers

# SPRINKLER CARTS



Product	Description	Part Number	Weight	List Price
SPRINKLER CART	1000F w/Funny Sprinkler	9-7720	25	
	1250K w/K-1 Sprinkler	9-7721	38	
	1250H w/Hidra Sprinkler	9-7722	46	

\* To order just the sprinkler see page 68.

### Model 1000F

1" Cart Body

Flow Range: 6 to 26 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 120 Feet Diameter

25 lbs - Total Weight

All nozzles shown are included



3/4" Female Hose Swivel connection

### Model 1250K

1 1/4" Cart Body

Flow Range: 10 to 47 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 150 Feet Diameter

38 lbs - Total Weight

All nozzles shown are included



1-1/4" MPT connection

### Model 1250H

1 1/4" Cart Body

Flow Range: 30 to 140 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 200 Feet Diameter

46 lbs - Total Weight

All nozzles shown are included



1-1/4" MPT connection

PSI = Pressure at Sprinkler Nozzle  
GPM = Gallons Per Minute at Nozzle

#### 1000F Sprinkler Cart Performance

Sprinkler Performance

Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
5mm (.20")	22	5.3	42	84
	29	6	46	92
	44	7	50	100
	58	9	54	108
6mm (.24")	22	7	43	86
	29	8.5	48	96
	44	10	54	108
	58	12	58	116
7mm (.28")	22	10	46	92
	29	11	50	100
	44	14	56	112
	58	16	61	122
9mm (.35")	22	16.4	50	100
	29	19	54	108
	44	23	61	122
	58	26	64	128

#### 1250K Sprinkler Cart Performance

Sprinkler Performance


Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
7mm (.28")	22	10	46	92
	29	11	50	100
	44	14	56	112
	58	16	61	122
8mm (.315")	22	13	51	102
	29	15	56	112
	44	18	62	124
	58	21	67	134
9mm (.354")	22	16	54	108
	29	19	57	114
	44	23	64	128
	58	26	69	138
10mm (.394")	22	20	58	112
	29	23	59	116
	44	28	67	134
	58	33	72	144
12mm (.472")	22	29	56	112
	29	34	62	124
	44	41	68	136
	58	47	77	154

#### 1250H Sprinkler Cart Performance

Sprinkler Performance

Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
12mm (.47") w/ 5mm (.19") diffusor nozzle	29	40	65	130
	44	48	78	156
	58	56	88	176
	73	62	98	196
14mm (.55") w/ 5mm (.19") diffusor nozzle	29	52	69	138
	44	63	82	164
	58	73	95	190
	73	81	101	202
16mm (.63") w/ 5mm (.19") diffusor nozzle	29	65	72	144
	44	80	85	170
	58	93	98	196
	73	103	108	216
18mm (.70") w/ 5mm (.19") diffusor nozzle	44	100	92	184
	58	115	101	202
	73	128	112	224

# TRAVELING SPRINKLER & GUN ADAPTERS

Product	Description	Part Number	Weight	List Price
<b>TRAVELING SPRINKLER</b> <b>(RAINCOACH™)</b> <ul style="list-style-type: none"> <li>- 1" FHT Inlet</li> <li>- Economical Alternative for large turf areas</li> <li>- Brass, aluminum, and stainless steel construction provides unmatched durability</li> <li>- Combines 3/4" impact brass head with rotating sweep arms for full, even coverage</li> <li>- Includes six nozzle set</li> <li>- Allows for adjustable speed of travel for varied precipitation rates</li> <li>- Minimizes turf scarring with front roller</li> <li>- Equipped with 3/32" x 450' galvanized steel cable tow line</li> <li>- Provides stable operation on rough terrain with wide/long wheel base</li> <li>- Built-in valve shuts off water automatically at the end of run</li> <li>- FIVE YEAR WARRANTY</li> <li>- Throw: 110-145'</li> <li>- Flow: 11.5-22.4 GPM</li> <li>- PSI at Sprinkler: 55-75psi</li> </ul>		9-6812	56	

## GUN OUTLET (CAST ALUMINUM)



4"	2.5" fpt	9-5243	3.5
5"	2.5" fpt	9-5244	4.5
6"	2.5" fpt	9-5245	5.5

Small "Guns" may be used on this sturdy outlet.  
The base is drilled for attaching a board for support of the sprinkler gun.

## ADAPTER (GIANT SPRINKLER)



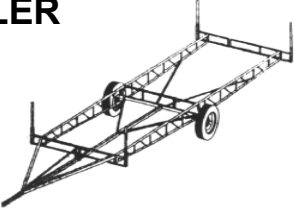
\* Use std 4" RLC

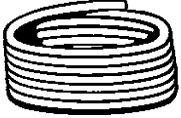
3" Weld On x 3" Male	6-9790	3.5
3" Weld On x 3" Female	6-9791	4.0
4" Weld On x 4" Male	8-1427	5.0
4" Weld On x 4" Female	8-1426	5.5
3" Ringlock Clamp	6-1047	1.4
4" Ringlock Clamp	6-1038	1.6

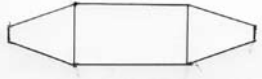
Gun Stands/Sprinklers


# TRAILERS, TRAVELERS & ACCESSORIES

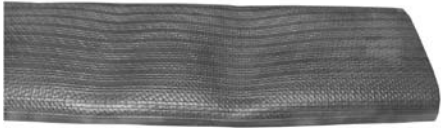


Product	Description	Part Number	Weight	List Price
<b>PIPE TRAILER</b> 	Single Tongue	5-0540	700	
	Double Tongue	5-0550	735	
Maximum capacity of 4,000 lbs. For pipe up to 40' in length <u>Dimensions:</u> -35' overall length -102" wide -21' from stake pocket to stake pocket -14' from tongue to front stake pocket				

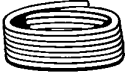
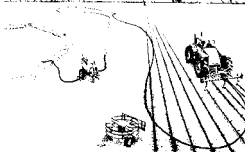
Product	Description	Part Number	Weight	List Price
<b>TRAVELER CABLE</b> 	5/16" x 1,350'	7x19	9-5183	
	3/8" x 1,350'	7x19	9-5182	
	7/16" x 2,700'	7x19	6-9585	

Product	Description	Part Number	Weight	List Price
<b>BULLET STOP</b> 	5/16"		9-5181	
	3/8"		9-5180	

Product	Description	Part Number	Weight	List Price
<b>FOAM PIG</b> 		<u>For Hose Size</u>		
	6"	4-5-6"	9-5309	
	7-1/4"	6"	9-6967	
	8"	6-8"	9-5310	
	10"	8-10"	9-6966	

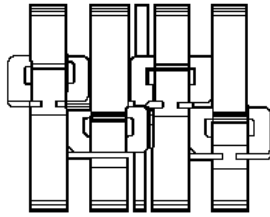
Product	Description	Part Number	Weight	List Price
<b>SOFT HOSE (REPLACEMENT)</b> 	2 1/2" x 660'	6-9616	330	
	3" x 660'	6-9617	396	
	3 1/2" x 660'	6-9618	528	
	4" x 660'	5-0583	660	
	4-1/2" x 660'	5-0584	792	
	5" x 660'	6-9619	924	
	6" x 660'	6-9620		

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

Product	Description	Part Number	Weight	List Price
<b>SLUDGE INJECTION HOSE</b>  L.W.T. 	4" x 660' (Sludge Injection)	5-0596	627	
	4-1/2" x 660' (Sludge Injection)	5-0597	666.6	
	5" x 660' (Sludge Injection)	9-7343		
	5-1/2" x 660' (Sludge Injection)	9-7582		
	6" x 660' (Sludge Injection)	9-7583		
	8" x 660' (Sludge Injection)	9-7827		
	10" x 660' (Sludge Injection)	9-7828		

# HOSE MENDERS

Product	Description	Part Number	Weight	List Price
<b>HOSE MENDER</b> (FOR HARD HOSE, BAND-IT)	Hose ID			
	2.1"	6-1827		
	2.5"	6-1828		
	3.0"	6-1829		
	3.75"	6-1830		
	4.1"	6-1831		
	4.5"	6-1832		
	5.0"	6-1833		



<b>HOSE MENDER</b> (FOR HARD HOSE, SCREW)	Hose ID			
	0.90"	9-7682		
	1.10"	9-7677		
	1.18"	9-7573		
	1.30"	9-7678		
	1.40"	9-7679		
	1.43"	9-7574		
	1.60"	9-7680		
	1.67"	9-7575		
	1.80"	9-7681		
	1.90"	9-7576		
	2.00"	9-7683		
	2.10"	6-1820		
	2.30"	9-7686		
	2.50"	6-1821		
	2.70"	9-7684		
	3.00"	6-1822		
	3.30"	9-7577		
	3.70"	6-9792		
	4.00"	9-7685		
4.10"	6-1824			
4.20"	9-7579			
4.50"	6-1825			
4.60"	9-7580			



\*Instructions Included

<b>HOSE MENDER W/CLAMPS</b> (FOR SOFT HOSE)	<b>Complete</b>			
	Hose ID			
	2-1/2"	w/clamps	5-0588	
	3"	w/clamps	5-0589	
	3-1/2"	w/clamps	5-0590	
	4"	w/8 Band-it Clamps	5-0585	9.5
	4-1/2"	w/8 Band-it Clamps	5-0586	10.6
	5"	w/8 Band-it Clamps	5-0591	
6"	w/8 Band-it Clamps	5-0592		



\*Instructions Included

<b>Hard Mender Only (1/4" Wall x 10" Long)</b>	2-1/2"	Steel	9-7570	
	3"	Steel	9-7571	
	3-1/2"	Steel	9-7572	
	4"	Steel	9-6763	7.1
	4-1/2"	Steel	9-6764	8.3
	5"	Steel	9-6765	
	6"	Steel	9-6766	
	4"	Aluminum	5-0600	2.9
	4-1/2"	Aluminum	5-0601	3
	5"	Aluminum	5-0602	3.7
	6"	Aluminum	5-0603	4




Gun Stands/Sprinklers



# HOSE PULL COUPLER



Product	Description	Part Number	Weight	List Price
<b>HOSE PULL COUPLER</b>  	Hose x Discharge			
	2.5" x 3"	Cast Aluminum 6-1800		
	3" x 3"	Cast Aluminum 6-1801		
	3" x 4"	Cast Aluminum 6-1802		
	4" x 4"	Cast Aluminum 6-1804	11	
	4.5" x 4"	Cast Aluminum 6-1805	11	
	4.5" x 5"	Cast Aluminum 6-1806		
	5" x 5"	Cast Aluminum 6-1807	12.1	
	6" x 6"	Cast Aluminum 8-1446		
	4.5" x 4"	Steel 6-8041	118	

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

## PLASTIC WEDGE (FOR HOSE PULL COUPLER)



4"	9-6833
4-1/2"	9-6834

## BACK TO BACK COUPLER W/CHAINS



3"	9-7568	5
4"	9-7344	6
5"	9-7345	7
6"	9-7346	8.5

\* Painted Steel

## WELD-ON COUPLER W/CHAINS



3"	9-7569	2.5
4"	9-7347	3
5"	9-7348	3.5
6"	9-7349	4.3

\* Black Steel

## 3 LINK CHAIN

9-7342 0.8

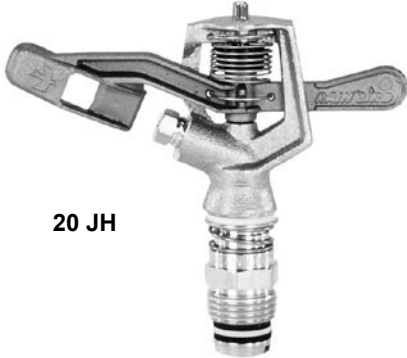


\* Weld to coupler for hose pull coupler connection.  
 \* Black Steel

Product	Description	Part Number	Weight	List Price
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**1/2" BASE  
(BRASS)**

20 JH w/nozzle-Rainbird full / brass 7-0109 0.5



20 JH

**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

These sprinklers are widely used on all types of solid set systems, on center pivots, and in general field applications because of their construction and reliability. Excellent performance in low to medium application rates. Non-clog vane (mounted in entrance end of nozzle) in 20EJH model assures top performance under windy conditions.

- Small nozzle sizes; low flow rates
- "E" model has non-clog vane in nozzle for greater distance of throw
- Durable brass construction; excellent for many types of field applications
- Superior "H" bearing for longer life
- Standard trajectory angle for maximum distance of throw
- Low water application rate; ideal for heavy soils and slopes

Common Spacings Range:  
20 x 35 ft to 40 x 50 ft  
6 x 9 m to 12 x 15 m

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

429 PT, w/nozzle-Naan part / plastic 7-0296 0.2



429 PT

**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

-1/2" mpt

Gun Stands/Sprinklers

# SPRINKLERS



Product	Description	Part Number	Weight	List Price
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## 3/4" BASE (BRASS)

30 H w/nozzles-Rainbird full / brass 7-0110 0.9



Bearing: 3/4" Male NPT. B  
Trajectory Angle: 27"  
Operating Range: 25-80 c  
Flow Rate: 2.9-13.1 GPM  
Radius: 40-55 ft.

30 H

**FEATURES**

- Heavy duty brass constru.
- Stainless steel springs at fulcrum pin
- Chemically resistant washers
- Dual nozzle ports
- Two-year warranty

**BENEFITS**

- Wide range of flow rates
- Corrosion and grit resistant
- Built to last

**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/Spreaders**  
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

## 3/4" BASE (BRASS)

WR-33 w/nozzles-Wade Rain full / brass 9-7526 1



WR-33

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

PSI @ Nozzle	1/8"		9/64"		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"		5/32" x 3/32"		11/64" x 3/32"		3/16" x 3/32"		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

## 3/4" BASE-PART TURN (BRASS)

35 TNT w/nozzle-Rainbird part / brass 7-0150 1.5



35A TNT

**Straight Bore Nozzle**  
Stream Height 9'

PSI @ Nozzle	5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM
30	42	3.90	43	4.60	44	5.50
35	43	4.20	44	5.00	46	6.00
40	44	4.50	45	5.40	47	6.40
45	44	4.70	46	5.70	48	6.90
50	45	5.00	47	6.00	49	7.20
55	45	5.20	48	6.30	50	7.50
60	46	5.40	48	6.60	51	7.90

Part / full circle brass impact sprinklers  
Standard trajectory angle for maximum distance of throw  
Medium nozzle sizes and flow rates  
"PJ" model has PJ™; eliminates side splash  
"DA" model has adjustable deflector for reducing distance of throw  
"ADJ" model has adjustable diffuser pin for stream break-up

Product	Description	Part Number	Weight	List Price
<b>3/4" BASE (PLASTIC)</b>	46 H w/nozzles-Rainbird	full / plastic 7-0120	0.3	



46 H

**Straight Bore Nozzle**  
Stream Height 9'

PSI @ Nozzle	5/32"		11/64"		3/16"		13/64"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
45	47	5.00	48	6.10	52	6.90	54	8.10
50	48	5.20	49	6.40	52	7.30	56	8.40
55	49	5.40	50	6.50	53	7.70	57	8.80
60	49	5.60	51	6.80	54	8.00	58	9.20
65	50	5.80	51	7.20	55	8.30	59	9.60
70	50	6.10	52	7.50	56	8.70	60	10.10
75	51	6.30	53	7.80	57	9.00	61	10.50
80	51	6.50	53	8.10	57	9.20	62	10.60

**Straight Bore Nozzle w/Spreader**  
Stream Height 9'

PSI @ Nozzle	5/32" x 3/32"		11/64" x 3/32"		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
45	47	6.60	48	7.60	52	10.20	54	11.30	53	12.70
50	48	6.90	49	8.00	52	10.70	56	12.00	54	13.00
55	49	7.20	50	8.30	53	11.20	57	12.50	55	13.90
60	49	7.50	51	8.60	54	11.60	58	13.00	56	14.50
65	50	7.80	51	8.90	55	12.00	59	13.50	57	14.90
70	50	8.10	52	9.20	56	12.40	60	13.90	58	15.40
75	51	8.40	53	9.50	57	12.70	61	14.30	59	15.80
80	51	8.60	53	9.70	57	13.00	62	14.70	59	16.20

Durable engineering-grade plastic construction; excellent for many types of field applications  
Standard trajectory angle for maximum distance of throw  
Sprinkler has built in vane in plastic "Plus" nozzle for greater distance of throw  
Superior "H" bearing for longer life  
Brass 7 degree or 20 degree spreader nozzle

This sprinkler series is used in general irrigation applications, and on permanent and solid set systems, including center pivots. Wearing quality is excellent. The body, arm, bearing nipple and bearing sleeve are molded from Delrin. Plastic non-clog vane in nozzle ensures excellent performance in wind. Plastic plug on "W" models.

Common Spacings Range:  
50 x 50 ft to 60 x 60 ft  
15 x 15 m to 18 x 18 m

Product	Description	Part Number	Weight	List Price
<b>3/4" BASE (BRASS)</b>	14070H w/nozzles-Rainbird	full / brass 7-0155	1.3	



14070H

**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	-	-	-	-

Gun Stands/Sprinklers

# SPRINKLERS



Product	Description	Part Number	Weight	List Price
<b>1-1/4" BASE</b> (BRASS)	80 E (FULL CIRCLE)	9-7761	5.0	
	85 EHD (PART TURN)	9-7762	5.3	
	85 EHD-LA (PART TURN)	9-7763	5.3	



**80 E**  
27°



**85 EHD**  
27°



**85 EHD-LA**  
17°

These sprinklers are widely used as end guns on center pivot machines. Non-clog straightening vanes assure good coverage in the wind.

The 85EHD-LA was specifically developed for use in the highly abrasive water conditions normally experienced on center pivot machines. It gives excellent performance even in extreme winds due to a specially-drilled low angle (17 degree) body. In addition, these models are suitable for a wide variety of applications such as horse pastures, paddocks, arenas, feedlots, dust control, sod farms, or any other applications requiring the performance of a 1 1/4" / 32mm Sprinkler.

**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 62.10	81 46.80	94 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

- Standard trajectory angle for maximum distance of throw
- Largest nozzle sizes and highest flow rates in brass part circle sprinklers
- "LA" model recommended for pivots and linears
- "ESHD" model has spreader nozzle; "EWSHD" model has plugged spreader outlet; "EHD-LA" has single nozzle body
- Durable heavy brass construction; excellent for many types of field applications
- "HD-LA" model has heavy duty features for longer life in dirty water
  - Heavier trip components
  - Locking friction collars
  - Stainless steel trip lever pads and trip stops
  - Stainless steel replaceable spoon
  - Superior "H" bearing

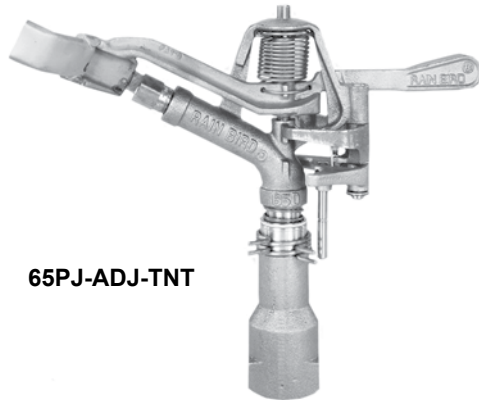
Common Spacings Ratings  
80 x80 ft to 140 x 140 ft  
24 x 24 m to 42 x 42 m

## 1" BASE-PART TURN (BRASS)

65JADJ-TNT

7-0160

3.6



**65PJ-ADJ-TNT**

Part / full circle brass impact sprinklers  
Standard trajectory angle for maximum distance of throw  
Larger nozzle sizes and higher flow rates  
"PJ" arm eliminates side splash  
Adjustable diffuser pin for stream break-up

This sprinkler has a wide range of applications. Added versatility comes from an adjustable trip slip-pin that converts the sprinkler to full circle applications. The PJ precision jet arm eliminates side splash.

**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

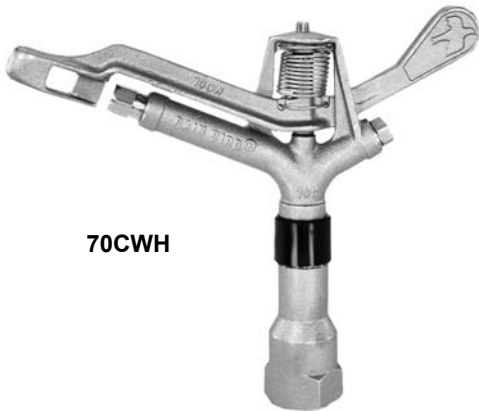
Specifications:  
Bearing Size / Type - 1 in / 25 mm female NPT/BSP  
Body trajectory - 27 degrees

Materials:  
Body: Cast Bronze  
Arm: Cast Bronze  
Bearing Sleeve: Brass  
Bearing Nipple: Brass  
All Springs: Stainless Steel  
All Washers: Chemically Resistant

**Product Description Part Number Weight List Price**

**1" BASE (BRASS)**

70CWH w/nozzles-Rainbird full / brass 7-0130 3.0



70CWH

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	14.60	65	17.70	66	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	59	9.90	62	12.90	65	16.30	68	20.00	70	23.80	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	11.60	60	14.30	62	17.40	65	20.50	61	23.90	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	59	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	69	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

Medium trajectory angle for maximum distance of throw  
Larger nozzle sizes and higher flow rates  
"SPH" has rear spreader nozzle; "WH" has plugged spreader nozzle  
Both models have non-clog vane in body range tube for greater distance of throw  
Durable heavy brass construction; excellent for many types of field applications  
Superior female "H" bearing for longer life

These sprinklers are designed for general field use and for use on mechanically moved systems - especially center pivot machines. This series has a modified 3-washer bearing with features that are similar to the 3/4 in / 20 mm "H" bearing. Although not designated, the 70CWH and 70CSPH have a plastic non-clog straightening vane to ensure excellent performance even in extreme winds. Low precipitation rates can be obtained from the single nozzle "W" model. It has a spreader option designated "SP" for applications where additional close-in water is needed

Common Spacings Range  
60 x 80 ft to 90 x 120 ft  
18 x 24 m to 24 x 30 m

**1" BASE (PLASTIC)**

7025 w/nozzles-Senninger full / plastic 7-0140 1.1  
#7025 Arm Only-Senninger 7-0141 0.3



7025



7025 Arm

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

# NELSON VOLUME GUNS



Product	Description	Part Number	Weight	List Price
<b>NELSON</b>	F100 w/nozzle-Nelson	full	7-0230	20.5
	F150R w/nozzle-Nelson	full	7-0240	43.0
	F200 w/nozzle-Nelson	full	7-0280	56.0
	SR100 w/nozzle-Nelson	part	7-0295	26.5
	SR150 w/nozzle-Nelson	part	7-0250	49.0
	SR200 w/nozzle-Nelson	part	7-0290	78.0



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

# KOMET (TWIN) VOLUME GUNS

Product	Description	Part Number	Weight	List Price
 <p>Komet 101/SR</p>	101/SR w/nozzle-Twin - 18° pivot	part	7-0231	20.9
	Twin 101/Plus PC-24 deg		6-9769	20.9
	Twin 101/Plus PC-VA 10-28 deg		6-9770	23.2
	Twin 101/Plus FC-24 deg		6-9771	18.7
	Waste Water Twin 101/Plus PC-24 deg		6-9772	20.9
	Waste Water Twin 101/Plus PC-VA 10-28 deg		6-9773	23.2
	Waste Water Twin 101/Plus FC-24 deg		6-9774	18.7
	Dust Suppression, Twin 101/Plus PC-44 deg		6-9775	20.9
	Dust Suppression, Twin 101/Plus PC-VA 28-24 deg		6-9776	23.2
		Twin 140/Plus PC-VA 10-28 deg		6-9777
Dust Suppression, Twin 140/Plus PC-44 deg			6-9778	22.1
Dust Suppression, Twin 140/Plus PC-VA 28-46 deg			6-9779	25.4
Twin 160/Plus PC-24 deg			6-9780	29.8
Twin 160/Plus PC-VA 16-28 deg			6-9781	34.2
Twin 160/Plus FC-24 deg			6-9782	25.4
Waste Water Twin 160/Plus PC-24 deg			6-9783	29.8
Waste Water Twin 160/Plus PC-VA 16-28 deg			6-9784	34.2
Waste Water Twin 160/Plus FC-24 deg			6-9785	25.4
Twin 202/Plus PC-VA 16-28 deg			6-9786	35.3
140/SR w/nozzle 24 deg		7-0251	22.1	
202/SR w/nozzle 24 deg		7-0300	30.9	

\* Includes one nozzle on all guns.  
 \* Includes flg x 3" fpt adapter and gasket on 140, 160 & 202 guns.  
 Available in 18°, 21°, or 24° angle trajectory

PSI	Taper bore nozzle >>> Trajectory 24°																			
	Nozzle 0.47"		Nozzle 0.65"		Nozzle 0.63"		Nozzle 0.71"		Nozzle 0.79"		Nozzle 0.87"		Nozzle 0.94"		Nozzle 1.02"		Nozzle 1.10"			
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.		
30	-	-	48	187'	62	201'	79	217'	97	232'	118	247'	140	260'	164	275'	191	286'	219	300'
40	40	183'	55	203'	72	220'	91	234'	112	250'	136	265'	162	279'	190	293'	220	307'	253	318'
50	45	197'	62	215'	80	232'	102	250'	125	267'	152	283'	181	300'	212	315'	246	330'	283	343'
60	50	212'	67	230'	88	247'	111	266'	138	282'	167	298'	198	315'	233	331'	270	347'	310	360'
70	54	225'	73	244'	95	262'	120	280'	149	297'	180	314'	214	323'	251	347'	291	362'	334	376'
80	57	237'	78	257'	102	276'	129	294'	159	312'	192	329'	229	344'	269	361'	311	376'	358	391'
90	61	248'	83	269'	108	289'	137	308'	169	326'	204	343'	243	359'	285	376'	330	392'	379	407'
100	64	257'	87	280'	114	300'	144	320'	178	339'	215	357'	256	374'	300	390'	348	407'	400	422'
110	67	265'	91	290'	119	310'	151	331'	186	351'	225	369'	268	388'	315	404'	365	421'	419	437'
120	67	265'	91	290'	119	310'	151	331'	186	351'	225	369'	268	388'	315	404'	365	421'	419	437'

PSI	Taper bore nozzle >>> Trajectory 24°																			
	Nozzle 0.63"		Nozzle 0.71"		Nozzle 0.79"		Nozzle 0.87"		Nozzle 0.94"		Nozzle 1.02"		Nozzle 1.10"		Nozzle 1.18"		Nozzle 1.26"			
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.		
30	62	201'	79	217'	97	232'	118	247'	140	260'	164	275'	191	286'	219	300'	253	318'	283	343'
40	72	220'	91	234'	112	250'	136	265'	162	279'	190	293'	220	307'	253	318'	283	343'	310	360'
50	80	232'	102	250'	125	267'	152	283'	181	300'	212	315'	246	330'	283	343'	310	360'	334	376'
60	88	247'	111	266'	138	282'	167	298'	198	315'	233	331'	270	347'	310	360'	334	376'	358	391'
70	95	262'	120	280'	149	297'	180	314'	214	323'	251	347'	291	362'	334	376'	358	391'	379	407'
80	102	276'	129	294'	159	312'	192	329'	229	344'	269	361'	311	376'	358	391'	379	407'	400	422'
90	108	289'	137	308'	169	326'	204	343'	243	359'	285	376'	330	392'	379	407'	400	422'	419	437'
100	114	300'	144	320'	178	339'	215	357'	256	374'	300	390'	348	407'	400	422'	419	437'	442	456'
110	119	310'	151	331'	186	351'	225	369'	268	388'	315	404'	365	421'	419	437'	442	456'	456	470'
120	125	318'	158	341'	195	362'	235	380'	280	400'	329	416'	381	432'	437	451'	456	470'	476	490'

PSI	Taper bore nozzle >>> Trajectory 24°																			
	Nozzle 0.69"		Nozzle 0.79"		Nozzle 0.89"		Nozzle 0.98"		Nozzle 1.08"		Nozzle 1.18"		Nozzle 1.28"		Nozzle 1.38"		Nozzle 1.48"			
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.		
40	85	221'	110	229'	139	239'	172	254'	208	268'	248	279'	291	291'	337	301'	387	309'	440	319'
50	95	256'	123	269'	156	284'	192	302'	233	317'	277	333'	325	348'	377	364'	433	377'	492	388'
60	104	283'	135	294'	171	315'	211	334'	255	350'	303	367'	356	386'	413	401'	474	414'	539	427'
70	113	296'	146	308'	184	332'	227	350'	275	371'	328	390'	384	407'	446	422'	512	435'	582	447'
80	120	305'	156	321'	197	345'	243	364'	294	384'	350	404'	411	421'	476	436'	547	450'	622	458'
90	128	310'	165	329'	209	352'	258	374'	312	395'	371	413'	436	429'	506	444'	580	457'	660	465'
100	135	314'	174	334'	220	357'	272	379'	329	401'	392	418'	459	434'	533	450'	612	461'	696	470'
110	141	317'	182	336'	231	359'	285	382'	345	404'	411	421'	482	438'	559	453'	642	465'	730	473'
120	147	318'	191	339'	241	363'	298	385'	360	407'	429	424'	503	442'	584	456'	670	469'	762	476'

PSI	Taper bore nozzle / Trajectory 24°																			
	Nozzle 0.79"		Nozzle 0.89"		Nozzle 0.98"		Nozzle 1.08"		Nozzle 1.18"		Nozzle 1.28"		Nozzle 1.38"		Nozzle 1.48"		Nozzle 1.58"			
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.		
40	110	229'	139	239'	172	254'	208	268'	248	279'	291	291'	337	301'	387	309'	440	319'	492	388'
50	123	269'	156	284'	192	302'	233	317'	277	333'	325	348'	377	364'	433	377'	492	388'	551	401'
60	135	294'	171	315'	211	334'	255	350'	303	367'	356	386'	413	401'	474	414'	539	427'	604	438'
70	146	308'	184	332'	227	350'	275	371'	328	390'	384	407'	446	422'	512	435'	582	447'	647	458'
80	156	321'	197	345'	243	364'	294	384'	350	404'	411	421'	476	436'	547	450'	622	458'	697	469'
90	165	329'	209	352'	258	374'	312	395'	371	413'	436	429'	506	444'	580	457'	660	465'	735	474'
100	174	334'	220	357'	272	379'	329	401'	392	418'	459	434'	533	450'	612	461'	696	470'	771	483'
110	182	336'	231	359'	285	382'	345	404'	411	421'	482	438'	559	453'	642	465'	730	473'	805	486'
120	191	339'	241	363'	298	385'	360	407'	429	424'	503	442'	584	456'	670	469'	762	476'	837	490'

Gun Stands/Sprinklers



# SPRINKLERS



Product	Description	Part Number	Weight	List Price
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## SMALL SPRINKLERS

### SIME

Funny	1" FPT	9-7717		
K-1	1-1/4" FPT	9-7718		
Hidra	1-1/2" FPT	9-7719		



Funny Sprinkler

<b>FUNNY (28° Trajectory) 1" FNPT</b>									
PSI	Nozzle 5mm (.20")		Nozzle 6mm (.24")		Nozzle 7mm (.28")		Nozzle 9mm (.35")		
	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")		
	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")		
	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


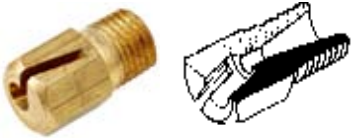
#163	1-1/2" FPT	9-7826		
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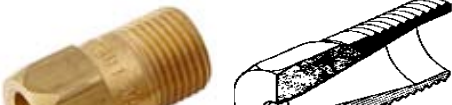


#### Taber Bore Nozzle

Noz PSI	NOZZLE .31" 8 MM		NOZZLE .39" 10 MM		NOZZLE .47" 12 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

# NOZZLES & PRESS REGULATORS

Product	Description	Part Number	Weight	List Price
<b>NOZZLE</b> (FOR 3/4" SPRINKLER)   Order vane separately.  	Range 1/8"	.125		7-0360
	Range - 9/64"	.140625		7-0330
	Range - 5/32"	.15625		7-0331
	Range - 11/64"	.171875		7-0332
	Range - 3/16"	.1875		7-0333
	Range - 13/64"	.203125		7-0334
	Range - 7/32"	.21875		7-0335
	Range - 15/64"	.234375		7-0336
	Range - 1/4"	.25		7-0337
	Range - 17/64"	.265625		7-0338
	Range - 9/32"	.28125		7-0339
	Back Plug			7-0342
	Spreader - 7° - 3/32"	.09375		9-7804
	Spreader - 7° - 7/64"	.109375		9-7805
	Spreader - 7° - 1/8"	.125		9-7806
	Spreader - 7° - 9/64"	.140625		9-7807
	Spreader - 7° - 5/32"	.15625		9-7808
	Spreader - 7° - 11/64"	.171875		9-7809
	Spreader - 7° - 3/16"	.1875		9-7810
	Spreader - 7° - 13/64"	.20313		9-7812
	Spreader - 7° - 7/32"	.21875		9-7811
	Spreader - 20° - 3/32"	.09375		7-0340
	Spreader - 20° - 7/64"	.109375		7-0366
	Spreader - 20° - 1/8"	.125		7-0341
	Spreader - 20° - 9/64"	.140625		7-0362
Spreader - 20° - 5/32"	.15625		7-0361	
Spreader - 20° - 11/64"	.171875		7-0364	
Spreader - 20° - 3/16"	.1875		7-0365	
Spreader - 20° - 13/64"	.20313		9-7813	
Spreader - 20° - 7/32"	.21875		7-0363	
Vanes for #30 (push-in)			6-9692	

<b>NOZZLE</b> (FOR 1" SPRINKLER)  	Brass:	Range - 7/32"	.21875		7-0343
		Range - 1/4"	.25		7-0344
		Range - 9/32"	.28125		7-0345
		Range - 5/16"	.3125		7-0346
		Range - 11/32"	.34375		7-0347
		Range - 3/8"	.375		7-0348
		Range - 13/32"	.40625		7-0349

\*Above for Rainbird #65 & #70

Plastic:	Range - #14 - 7/32"	.21875		7-0350
	Range - #16 - 1/4"	.25		7-0351
	Range - #18 - 9/32"	.28125		7-0352
	Range - #20 - 5/16"	.3125		7-0353
	Range - #22 - 11/32"	.34375		7-0354
	Range - #24 - 3/8"	.3375		7-0355

\*Above for Senninger #7025

## BEARING ASSEMBLY (FOR #30 RAINBIRD)

7-0356



# RIVER GEAR DRIVE SPRINKLERS



Product	Description	Part Number	Weight	List Price
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**RIVER (P-190)**

River w/nozzle

part

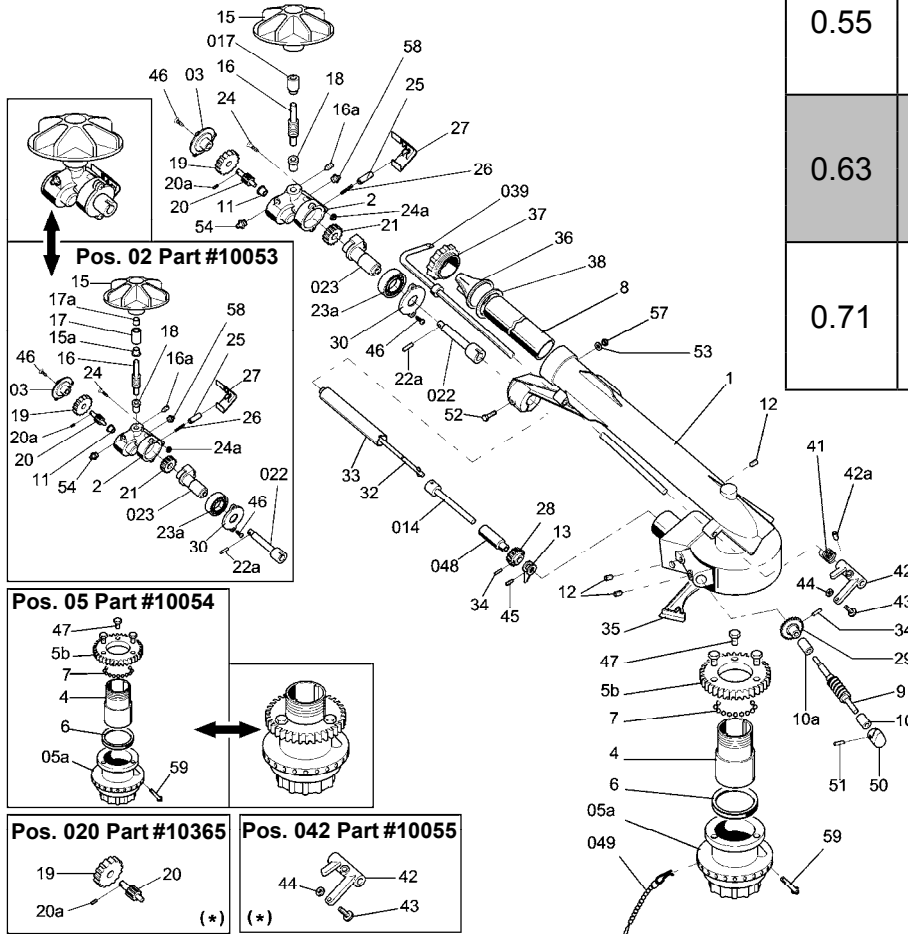
7-0325

10.4



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	
2	30169	Gearbox	
02	10053	Whole Head	
02am	10169	Complete American Gearbox	
03	10378	Cover w/ Bearing	
4	30172	Internal Body	
05	10054	Complete Crown	
05a	10380	Crown	
5b	30175	Toothed Ring	
6	30176	U-Packing	
7	30177	Sphere	
8	30178	Rectifier	
9	30620	Worm Carter	
10	30180	External Body Bearing	
10a	30181	Internal Body Bearing	
11	30182	Pinion Bearing	
12	30183	Grub Screw	
13	30184	Inversion Lever	
014	10084-S	Complete Shaft	
15	30186	Propeller	
15a	30677	Du-Bearing For Gearbox	
16	30628	Endless Screw	
16a	30187	Grub Screw	
017	10293	Bearing House	
17a	30189	Du Bearing	
18	30190	Blind Bearing	
19	30191	Toothed Wheel	
20	30192	Gearbox Pinion	
020	10365-S	Complete Pinion	
20a	30193	Pin For Pinion	
21	30109	Gearbox Gear	
22	30195	Gearbox Shaft	
022	10459	Pin Head	
22a	30196	Elastic Pin	
023	10411	Gearbox Support	
23a	30198	Ball Bearing	
24	30199	Screw	
24a	30200	Nut	

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

Gun Stands/Sprinklers

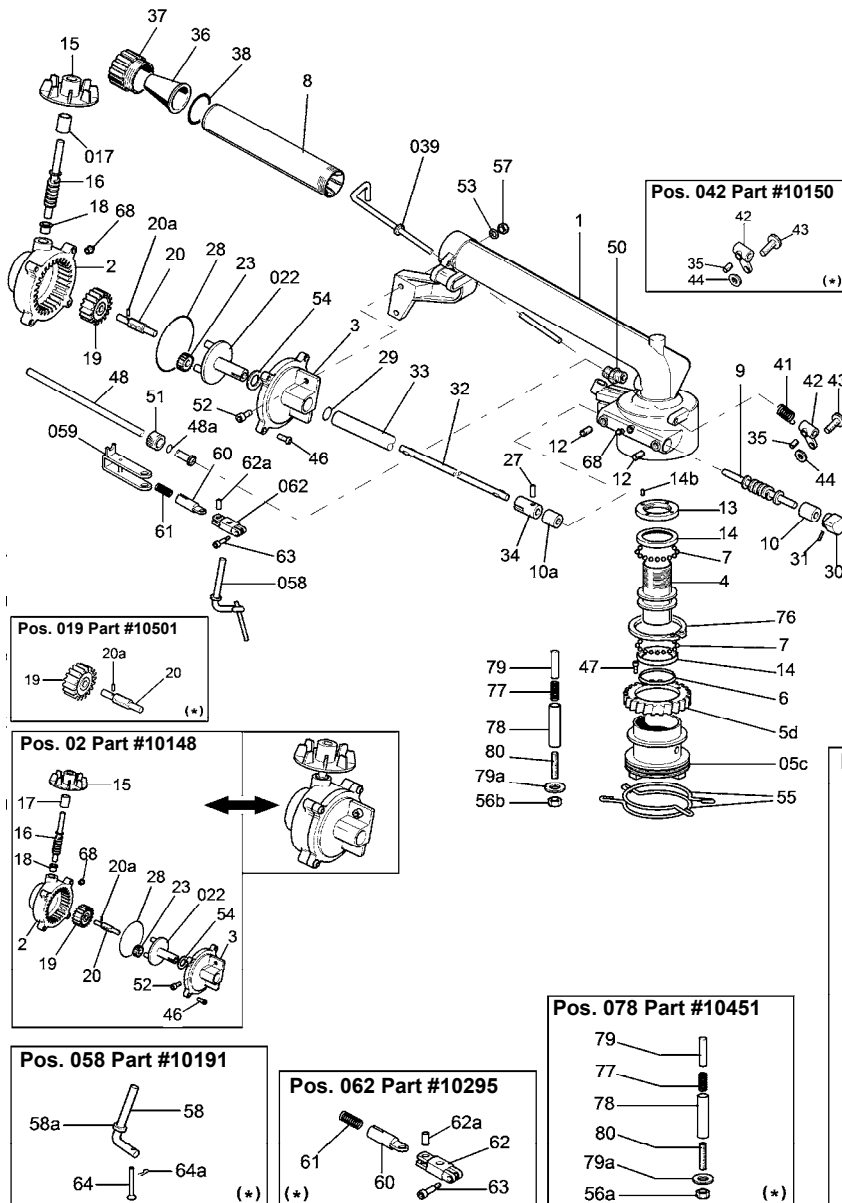
# SKIPPER GEAR DRIVE SPRINKLERS



Product	Description	Part Number	Weight	List Price
<b>SKIPPER (P-191)</b>	Skipper w/nozzle high speed Skipper Tool (to open gear box)	7-0303 6-9582	9.4	



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



Skipper 191 28 Degree				
Nozzle Diameter Inch	Pressure MM	Diameter Discharge		
		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	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	
2	30737	Gearbox	
02	10148-S	Complete Gearbox	
02am	10170	Complete Head	
3	30738	Gearbox Cover	
4	30739	Internal Body	
05c	10473	Crown (New)	
5d	3010377	Ring Crown	
5e-aus	3010489	Crown	
05e-aus	10461	Full Crown	
05n	10149-S	Complete Mounted Crown	
6	30743	J-Packing	
7	30077	Sphere	
8	30178	Rectifier	
9	30745	Body Endless Screw	
10	30746	External Bearing	
10a	30747	Internal Bearing	
10b	30832	Bushing	
11	30748	Pinion Bearing	
12	30183	Grub Screw	
13	20108	Threaded Ring For Crown	
14	20109	Ball Bearing Ring	
14b	30752	Grub Screw	
15	30753	Propeller	
15a	30831	Endless Screw	
16	30628	Endless Screw	
16a	30187	Grub Screw	
017	10293	Bearing House	
18	30190	Blind Bearing	
19	3010533	Crown	
019	10501	Complete Pinion	
19a	30833	Crown	
20	30755	Gearbox Pinion	
20a	30193	Pin For Pinion	
022	10255	Planetary Slow	
022a	10256	Pad	
23	30758	Slow Speed Gear	
23a	30835	High Speed Gear	
24	30836	High Speed Pinion	
28	30613	O-Ring 2237	
29	30678	O-Ring 121	
30	30227	Cam	
31	30228	Elastic Pin	
32	20107	Shafting Bar	
33	20162	Shafting Bar Cover	
34	30185	Cap	
35	30216	Grub Screw	
36	30566-10	Nozzle, Standard 25°, 10mm (.0040")	
36	30566-12	Nozzle, Standard 25°, 12mm (.0047")	
36	30566-14	Nozzle, Standard 25°, 14mm (.0055")	
36	30566-16	Nozzle, Standard 25°, 16mm (.0063")	
36	30566-18	Nozzle, Standard 25°, 18mm (.0071")	
36	30566-20	Nozzle, Standard 25°, 20mm (.0078")	
36	30566-22	Nozzle, Standard 25°, 22mm (.0086")	

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

Gun Stands/Sprinklers

# MERCURY GEAR DRIVE SPRINKLERS



Product	Description	Part Number	Weight	List Price
MERCURY (P-202)	Mercury w/nozzle part	7-0304	15.1	

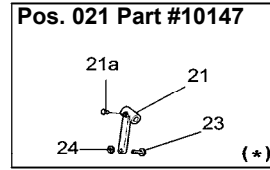
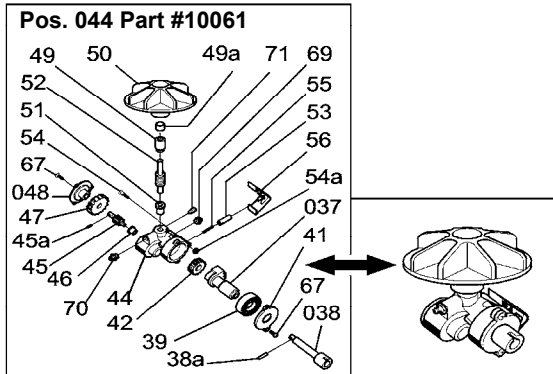
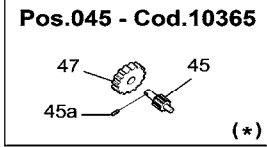
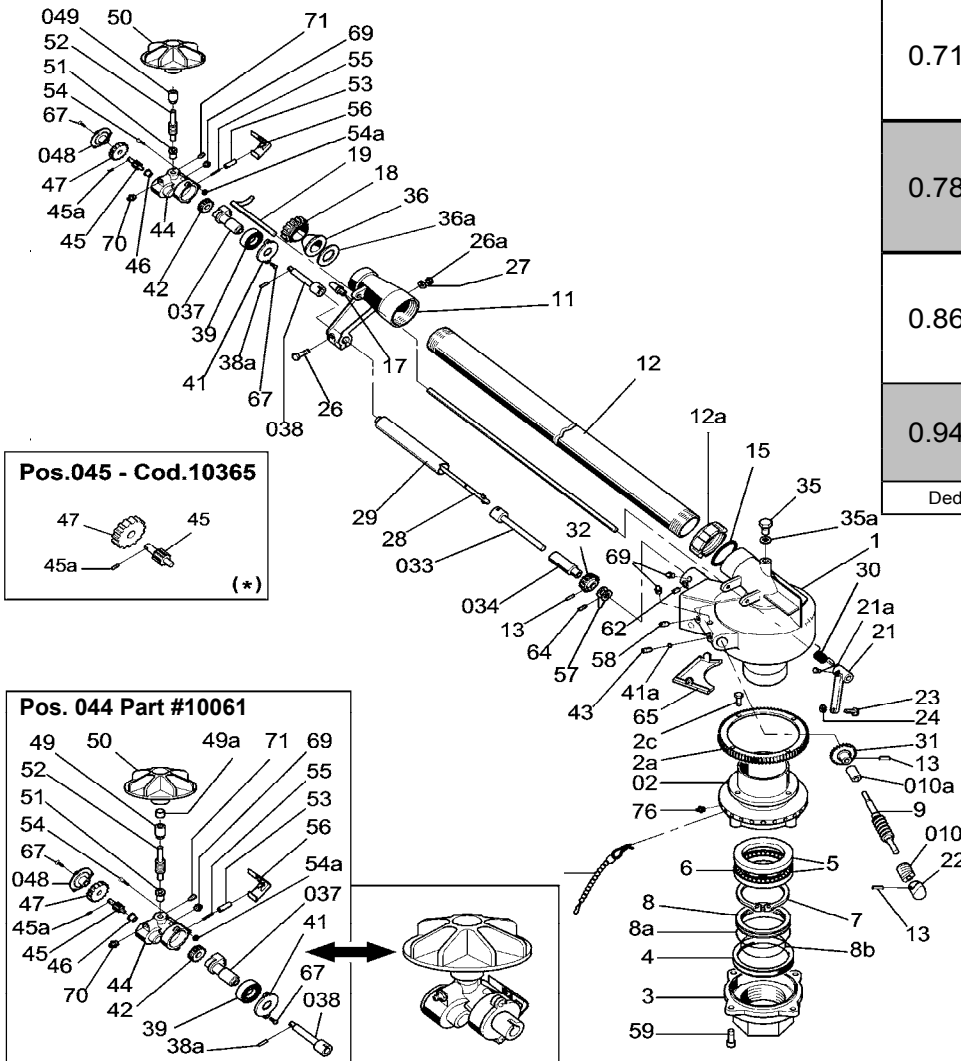


\*w/2" FPT base  
Included 3 nozzles.  
146' - 280' Diameter

### 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	
02	10474-S	Crown Body	
2a	30683	Toothed Ring	
2c	30221	Crown Screws 6x12	
3	30684	Body Support	
4	30685	U-Packing	
5	30686	Ball Bearing Ring	
6	30077	Sphere	
7	30687	Fastener Ring	
8	30688	U-Packing Ring	
8a	30689	External O-Ring	
8b	30690	Internal O-Ring	
9	30691	Endless Screw Body	
9a	30080	Washer	
010	10397	Threaded Bearing	
010a	10395	Internal Bearing	
11	30693	Pipe Head	
12	20098	Principal Pipe	
012	10377-S	Complete Principal Pipe	
12a	30527	Ferrule For Pipe	
13	30208	Elastic Pin	
15	30588	O-Ring	
17	30087	Secondary Nozzle	
18	30211	Nozzle Lock Ring	
19	20096	Jet Breaker Bar	
021	10147	Stream Breaker Lever	
21a	30091	Screw	
22	30871	Camme	
23	30093	Screw For Lever	
24	30094	Nut For Lever	
26	30229	Screw	
26a	30232	Nut	
27	30230	Washer	
28	20097	Shafting Bar	
29	20144	Shafting Bar Cover	
30	30697	Spring For Lever	
31	30098	Lateral Bevel Pinion	
32	30099	Central Bevel Pinion	
033	10083-S	Shaft	
034	10401-S	Shaft Bearing	
34a	30223	Washer	
35	30102	Plug	
35a	30103	Washer	
36	30566-10	Nozzle, Standard 25°, 10mm (.40")	
36	30566-12	Nozzle, Standard 25°, 12mm (.47")	
36	30566-14	Nozzle, Standard 25°, 14mm (.55")	
36	30566-16	Nozzle, Standard 25°, 16mm (.63")	
36	30566-18	Nozzle, Standard 25°, 18mm (.71")	
36	30566-20	Nozzle, Standard 25°, 20mm (.78")	
36	30566-22	Nozzle, Standard 25°, 22mm (.86")	
36	30566-24	Nozzle, Standard 25°, 24mm (.94")	

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

Gun Stands/Sprinklers



# BIG RIVER GEAR DRIVE SPRINKLERS

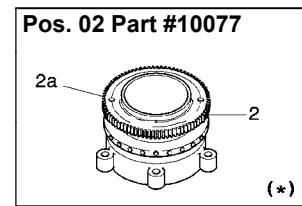
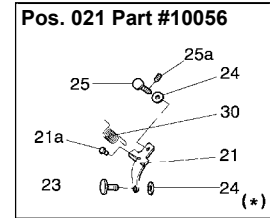
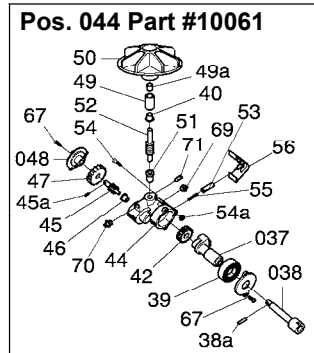
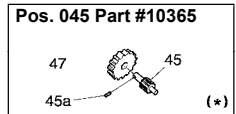
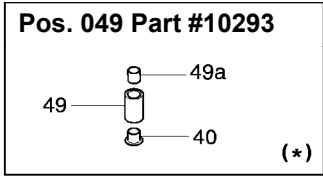
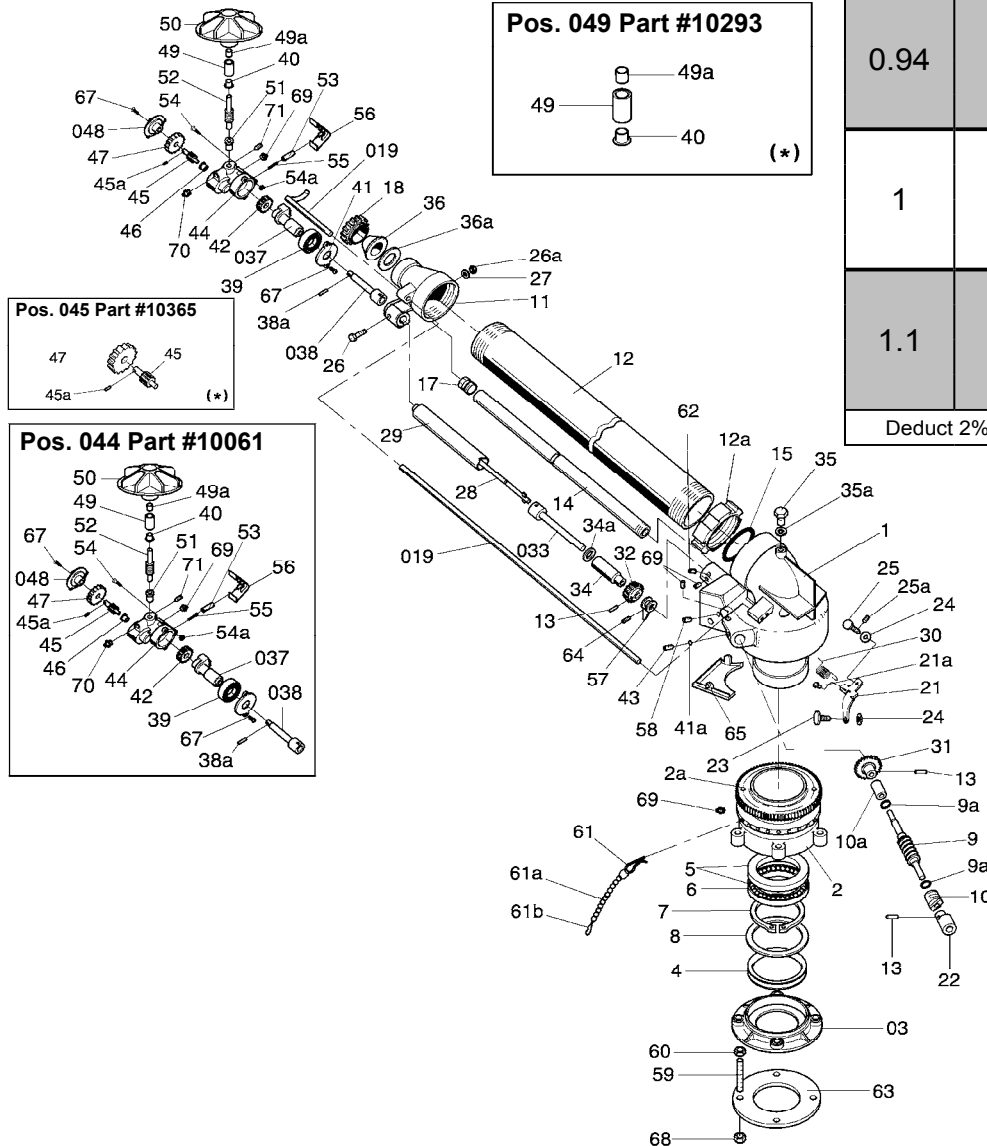


Product	Description	Part Number	Weight	List Price
<b>BIG RIVER (P-250)</b>	Big River w/nozzle-Green			<b>DISCONTINUED</b>

\*Companion flange included.



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



Big River 250 28 Degree				
Nozzle Diameter	Pressure	Diameter	Discharge	
			Inch	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	
02	10077-S	Crown	
03	10080-S	Body Support	
4	30075	U-Packing 90X76X8	
5	30076	Ball Bearing Ring	
6	30077	Sphere	
7	30078	Fastener Ring D. 78	
8	30079	U-Packing Ring	
9	30597	Worm Carter	
9a	30080	Washer	
010	10395	Internal Bearing	
010	10394	Threaded Bearing	
11	30083	Pipe Head	
12	20022	Principal Pipe	
012	10376	Complete Principal Pipe	
12a	30084	Ferrule For Pipe	
13	30208	Elastic Pin	
14	20094	Secondary Pipe	
15	30085	O-Ring For Pipe	
16	30086	Elastic Pin	
17	30125	Secondary Nozzle	
18	30056	Nozzle Lock Ring	
019	10090-S	Jet Breaker Bar	
20	30181	Internal Body Bearing	
021	10056	Stream Breaker Lever	
21a	30091	Screw	
22	30092	Camme	
23	30093	Screw For Lever	
24	30094	Nut For Lever	
25	30095	Lever Upper Screw	
25a	30096	Elastic Pin	
26	30229	Screw	
26a	30232	Nut	
27	30230	Washer	
28	20024	Shafting Bar	
29	20025-S	Shafting Bar Cover	
30	30059	Spring For Lever	
31	30098	Lateral Bevel Pinion	
32	30099	Central Bevel Pinion	
033	10083-S	Shaft	
034	10401-S	Shaft Bearing	
34a	30223	Washer	
35	30102	Plug	
35a	30103	Washer	
36	30063-18	Nozzle, Standard 25°, 18mm (.71")	
36	30063-20	Nozzle, Standard 25°, 20mm (.78")	
36	30063-22	Nozzle, Standard 25°, 22mm (.86")	
36	30063-24	Nozzle, Standard 25°, 24mm (.94")	
36	30063-26	Nozzle, Standard 25°, 26mm (1")	
36	30063-28	Nozzle, Standard 25°, 28mm (1.10")	
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	

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

Gun Stands/Sprinklers

# MARINER GEAR DRIVE SPRINKLERS

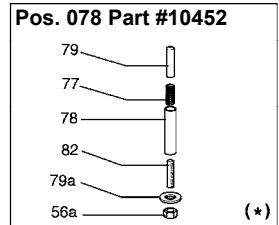
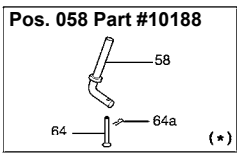
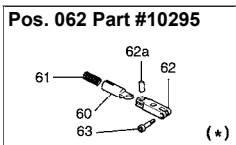
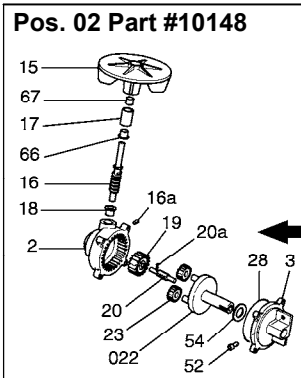
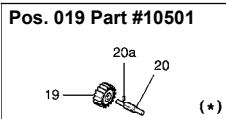
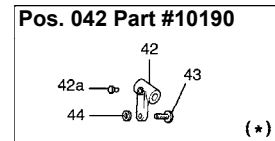
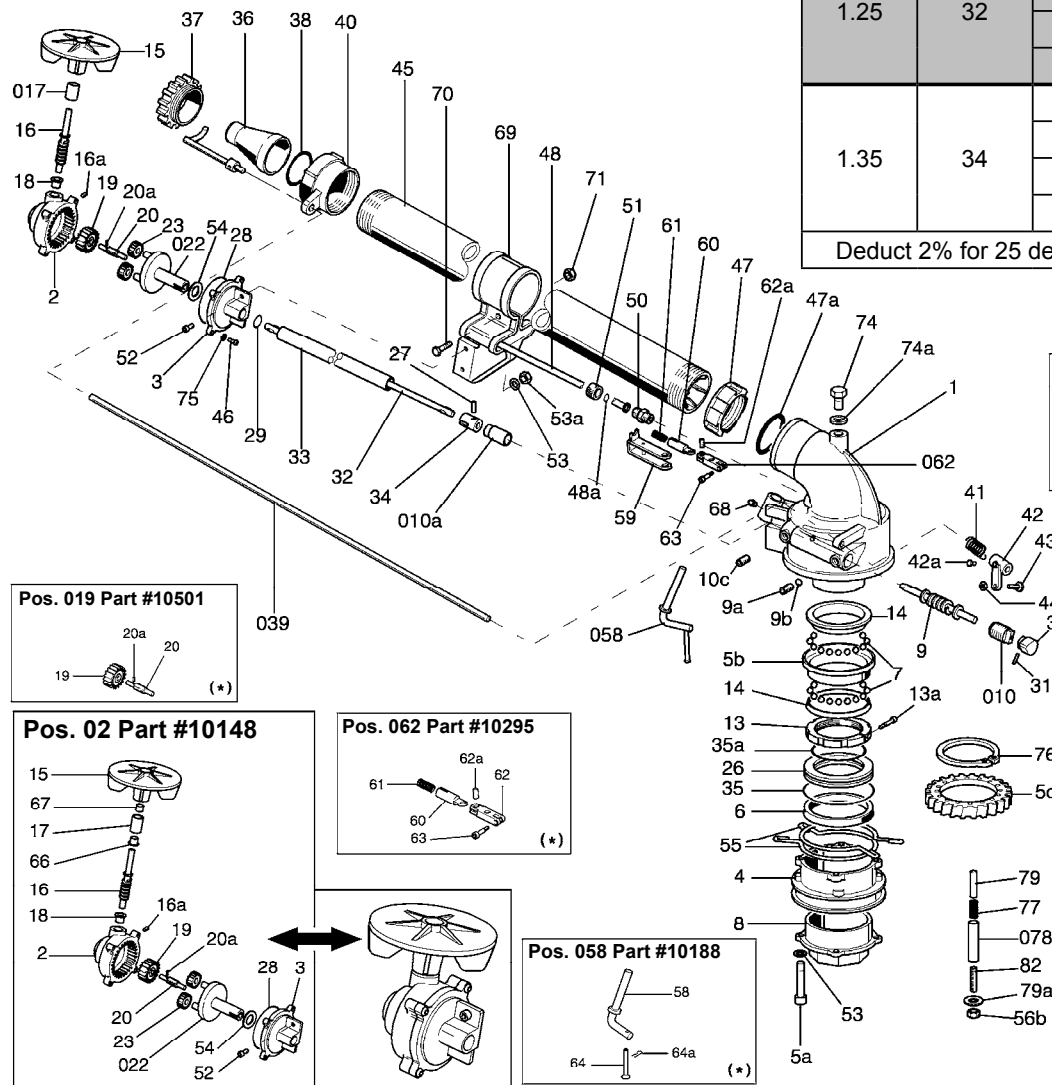


Product	Description	Part Number	Weight	List Price
<b>MARINER (P-401)</b>	Mariner w/nozzle-Green high speed part	7-0306	25.3	

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
1.2	30	56	382	319
		70	354	356
		85	374	390
1.25	32	100	398	421
		56	340	359
		70	368	402
		85	384	440
1.35	34	100	404	475
		70	374	451
		85	398	494
		100	420	533
		115	440	571



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



# MARINER GEAR DRIVE SPRINKLERS

**Mariner**

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

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

Gun Stands/Sprinklers

# POLARIS GEAR DRIVE SPRINKLERS



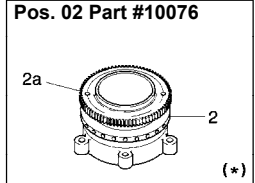
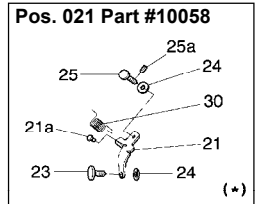
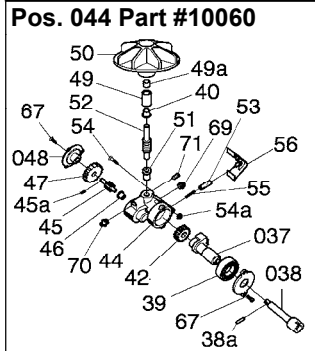
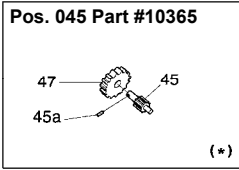
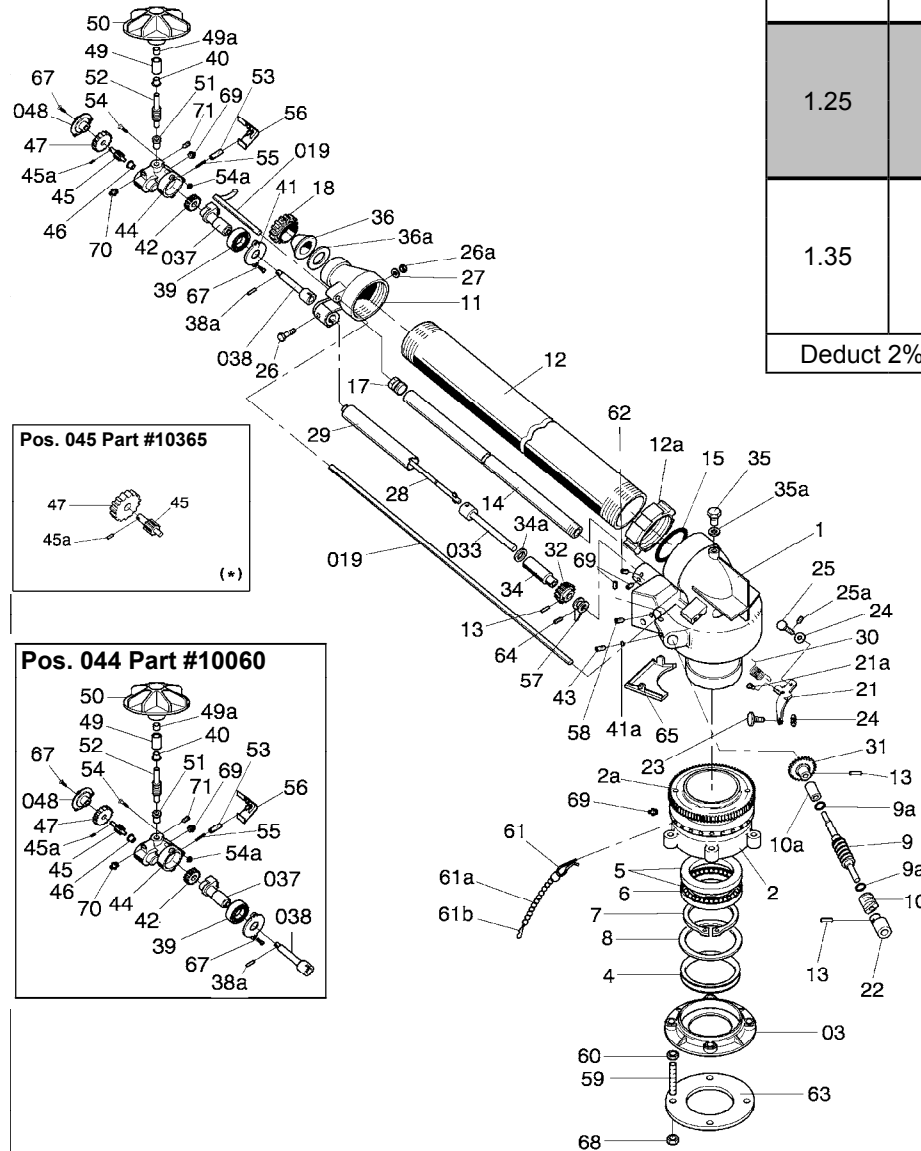
Product	Description	Part Number	Weight	List Price
<b>POLARIS (P-400)</b>	Polaris			<b>DISCONTINUED</b>



90 & 150mm flange connection (companion flange included)  
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.



# POLARIS GEAR DRIVE SPRINKLERS

## Polaris

Pos #	Part #	Description	List Price
1	30041-S	Carter	
02	10076	Crown	
03	10079	Body Support	
4	30046	U-Packing 117X98X11	
5	30047	Ball Bearing Ring	
6	30048	Sphere	
7	30049	Fastener Ring	
8	30050	U-Packing Ring	
9	30596	Endless Screw Body	
9a	30080	Washer	
010	10394	Threaded Bearing	
010a	10396	Internal Bearing	
11	30052	Pipe Head	
12	20013	Principal Pipe	
012	10375-S	Complete Principal Pipe	
12a	30053	Threaded Ring For Pipe	
13, 16	30208	Elastic Pin	
14	20014	Secondary Pipe	
15	30054	O-Ring	
17	30125	Secondary Nozzle	
18	30056	Nozzle Lock Ring	
019	10089-S	Jet Breaker Bar	
20	30057	Stream Breaker Bearing	
021	10058	Stream Breaker Lever	
21a	30091	Screw	
22	30092	Camme	
23	30093	Screw For Lever	
24	30094	Nut For Lever	
25	30095	Lever Upper Screw	
25a	30096	Elastic Pin	
26	30229	Screw	
26a	30232	Nut	
27	30230	Washer	
28	20016	Shafting Bar	
29	20017	Shafting Bar Cover	
30	30059	Spring For Lever	
31	30060	Lateral Bevel Pinion	
32	30061	Central Bevel Pinion	
033	10082	Shaft	
034	10399	Shaft Bearing	
34a	30223	Washer	
35	30102	Plug	
35a	30103	Washer	
36	30063-26	Nozzle, Standard 25°, 26mm (1")	
36	30063-28	Nozzle, Standard 25°, 28mm (1.10")	
36	30063-30	Nozzle, Standard 25°, 30mm (1.2")	

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

Gun Stands/Sprinklers

# GEMINI GEAR DRIVE SPRINKLERS



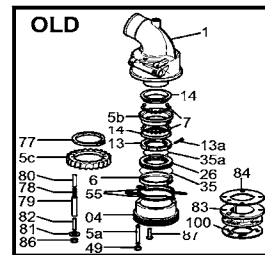
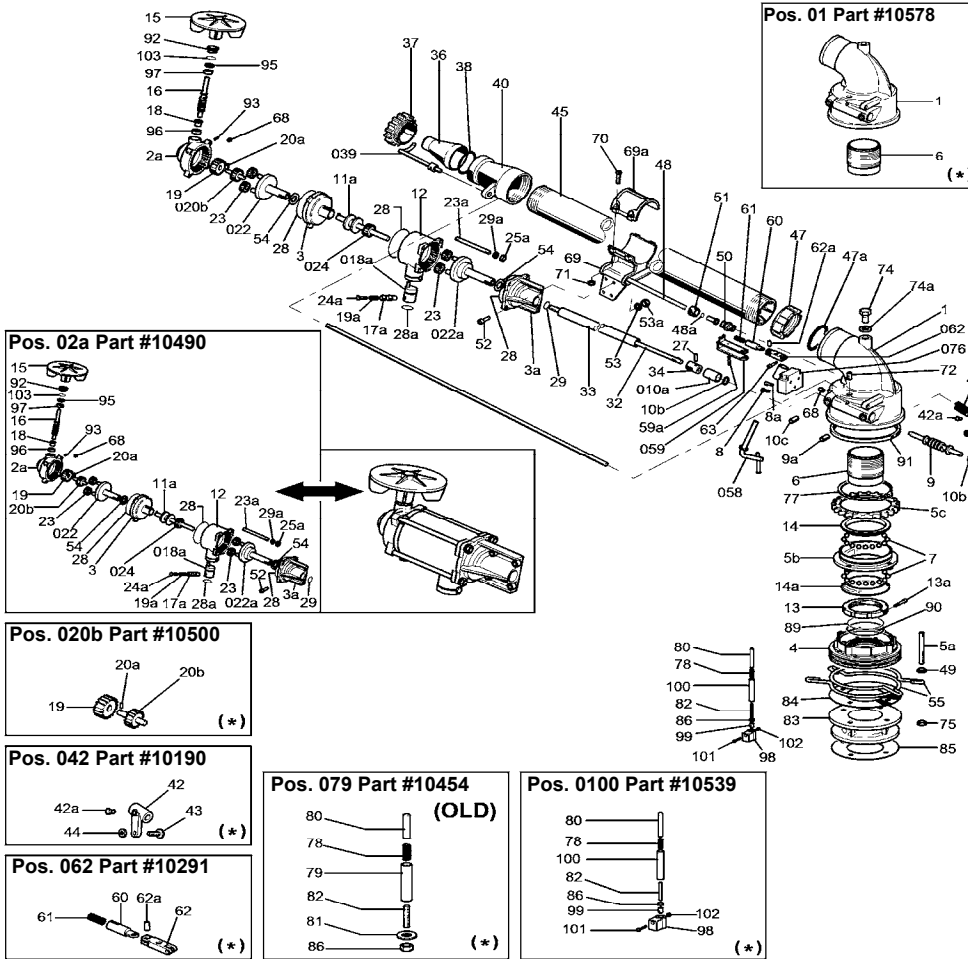
Product	Description	Part Number	Weight	List Price
GEMINI (P-600 / P-1200)	Gemini (2 speed high or low switch) part	7-0307	34.7	



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

Pos #	Part #	Description	List Price
37	30056	Nozzle Lock Ring	
38	30064	Packing For Nozzle	
039	10288-S	Jet-Breaker	
40	301068	Pipe-Head	
41	3010444	Jet Breaker Spring Lever	
042	10190	Jet-Breaker Lever	
42a	30091	Screw	
43	30093	Screw For Lever	
44	30094	Nut For Lever	
45	20158	Tube	
47	30053	Threaded Ring For Pipe	
47a	30054	O-Ring	
48	20159	Secondary Pipe	
48a	301069	O-Ring	
49	30116	Nut M 10X6	
50	301070	Secondary Nozzle	
51	301071	Ferrule	
52	30500	Screw 6X25	
53	30557	Washer Grower D. 6	
53a	30511	Nut	
54	30773	Washer	
55	301072	Inversion Ring	
56	301073	Lever Protection	
56a	301074	Sime Part	
56b	30639	Nut M4	
058	10188	Central Shaft	
059	10290	Inversion Fork	
59a	301077	Pin For Fork	
60	301078	Spring House	
61	301079	Inversion Spring	
062	10291	Vice For Inversion Lever	
62a	30782	Pin For Vice	
63	30783	Screw	
64	3010181	Gearbox Support	
64a	30785	Spring For Bolt	
66	30677	Du-Bearing For Gearbox	
67	30189	Du Bearing	
68	30233	Grease Nipple	
69	3010646	Support	
69a	3010647	Clamp	
70-old	30521	Screw	
71	3010648	Square Nuts	
71-old	30475	Nut 8X6	
72	30724	Grub Screw	
73	30057	Stream Breaker Bearing	
74	30102	Plug	
74a	30103	Washer	
75	30121	Nut M10X10	
076	10292	Levers Support	
77	3010367	Seeger	
78-old	301016	Spring	
79-old	3010368	Spacer	
079-old	10454	Disengagement	
80	3010369	Shafting Bar	
81	3010370	Washer	
82	3010855	Prisoner	
82-old	3010371	Prisoner	
83	3010374	Flange	
84	3010372	Gasket	
85	3010772	Gasket	
85-old	3010373	Gasket	
87	3010375	Screw 10X35	
89	3010784	O-Ring	
89br	3010492	Bearing Cap	
90	3010765	O-Ring	
92	3010640	Ring	
93	30040-S	Grub Screwing	
95	30030-S	Ring	
96	3010613	Bearing	
97	30028-S	Bearing	
98	3010653	Knob	
98-old, 103	3010570	O-Ring	
99	3010654	Nut	
0100	10539	Release	
101	3010428	Screw	
102	3010429	Nut	

Gun Stands/Sprinklers



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









## Section Five



**Couplers & Accessories**  
**Ball & Socket Fittings**  
**Cam-Loc Fittings**  
**Elbows**  
**End Tees**  
**Line Tees & Y Tees**  
**Reducers & Increases**  
**End Plugs & End Caps**  
**Hooks & Bands**  
**Latch Accessories**  
**Rings & Accessories**

**Flanges & Disks**  
**Cones**  
**Telescopes & Drop Pipe**  
**Valves & Valve Parts**  
**Meters**  
**Pivot Parts**  
**Nipples, Couplings & Tees**  
**Drip Products**  
**Filters**  
**Gaskets**



Product	Description	Part Number	Weight	List Price
<b>COUPLER</b> (BLACK STEEL)		Standard Depth 2"	6-0120	1
		3"	6-0121	1
		4"	2-3/4" Depth 6-0122	1.5
		5"	6-0123	2
		6"	4-1/4" Depth 6-0124	2.8
		6-5/8"	6-0128	3.8
		7"	6-0118	3.5
		8"	4" Depth 6-0125	4.5
		8-5/8"	6-0129	6
		10"	3" Depth 6-0126	5.5
		12"	6-0127	9
		12 Gauge (SQ Back) 4"	6-8030	3
	<b>Deep Punch</b>	3"	3" Depth 9-5198	
		4"	4" Depth 9-5199	
		5"	4" Depth 9-5201	
		6"	5-7/8" Depth 9-5010	
		8"	5-1/2" Depth 9-5011	
		10"	6" Depth 9-5012	
		12"	6" Depth 9-5013	
	<b>Extra Deep Punch</b>	3"	4" Depth 9-5007	
4"		4-1/2" Depth 9-5008		
5"		5" Depth 9-5009		
6"		8-1/2" Depth 9-5202		
8"		11" Depth 9-5203		
<b>Extra-Extra Deep Punch</b> 4"	7" Depth 9-5200			
<b>COUPLER</b> (STAINLESS STEEL)		Stainless Steel 4"	9-7518	
		5"	9-7519	
		6"	9-7520	
		8"	9-7521	
<b>COUPLER-10GA.</b> (BLACK OR GALV. STEEL)		4" Black 10 ga.	9-7548	
		6" Black 10 ga.	6-9662	4.5
		8" Black 10 ga.	6-9663	5.9
		10" Black 10 ga.	9-5305	7.2
		12" Black 10 ga.	9-7549	
	6" Gal w / welding strip 10 ga.	6-9664	4.5	
	8" Gal w / welding strip 10 ga.	6-9665	5.9	
<b>MALE RL END</b> (BLACK STEEL)		3"	6-0169	1.2
		4"	6-0170	1.5
		5"	6-0171	2
		6"	6-0172	2.8
		7"	6-0176	3.5
		8"	6-0173	4.5
		10"	6-0174	5.5
		12" 12 Gauge with wider ring 4"	6-0175	9
<b>MALE RL END</b> (STAINLESS STEEL)		Stainless Steel 4"	9-7522	
		5"	9-7523	
		6"	9-7524	
		8"	9-7525	
<b>MALE RL END-10GA.</b> (BLACK OR GALV. STEEL)		6" Black 10 ga.	6-9764	4.2
		8" Black 10 ga.	6-9765	5.9
		10" Black 10 ga.	9-5306	6.7
		12" Black 10 ga.	9-7662	
		6" Gal w / welding strip 10 ga.	6-9766	4.2
		8" Gal w / welding strip 10 ga.	6-9767	5.9

Fittings

# COUPLERS



Product	Description	Part Number	Weight	List Price
<b>COUPLER</b> (CAST ALUMINUM)	3"	6-0114	1.3	
	4"	6-0110	1.5	
	5"	6-0115	1.8	
	6"	6-0111	2.0	
	7"	6-0109	2.5	
	8"	6-0112	2.8	
	10"	6-0113	3.3	



\*Hook pocket on all sizes, 6-8-10" also take RLC  
 \*6" & 8" Lindsay require oversize RLC  
 \*6"&10" take standard RLC, 8" requires oversized RLC

## RL COUPLER SET- SCHUMACHER

(CAST ALUMINUM)



Set	4"	6-0145	4.4
Set	5"	6-0146	5.0
Set	6"	6-0130	5.3
Set	7"	6-0134	6.3
Set	8"	6-0131	7.0
Set	10"	6-0132	8.1
Set	12"	6-0133	10.0
Female HT,	4"	6-0147	1.5
Female HT,	5"	6-0148	1.8
Female HT,	6"	6-0150	2.4
Female HT,	7"	6-0153	2.5
Female HT,	8"	6-0151	2.8
Female HT,	10"	6-0152	3.5
Female HT,	12"	4-0015	5.5
Male HT,	4"	6-0149	1.2
Male HT,	5"	6-0154	1.4
Male HT,	6"	6-0160	1.8
Male HT,	7"	6-0163	1.9
Male HT,	8"	6-0161	2
Male HT,	10"	6-0162	2.3
Male HT,	12"	4-0016	3.5

Set Includes Standard Ringlock Clamp

## RL COUPLER SET- A&M

(CAST ALUMINUM)



Set RL,	6"	6-0080	5.3
Set RL,	8"	6-0081	7
Set RL,	10"	6-0082	8.1
Female RL,	6"	6-0089	2.4
Female RL,	8"	6-0090	2.8
Female RL,	10"	6-0091	3.5
Male RL,	6"	6-0086	1.8
Male RL,	8"	6-0087	2.0
Male RL,	10"	6-0088	2.3

Set Includes A&M Ringlock Clamp

## PRESS-ON RL COUPLER/ MALE END

(GALVANIZED STEEL)



3" Male	6-0201	2.0
4" Male	6-0202	2.5
5" Male	6-0203	3.5
6" Male	6-0210	4.0
7" Male	6-0204	5.0
8" Male	6-0211	7.0
10" Male	6-0212	11.0
12" Male	6-0205	14.0
3" Female	6-0223	2.0
4" Female	6-0224	2.5
5" Female	6-0225	3.5
6" Female	6-0220	4.0
7" Female	6-0226	5.5
8" Female	6-0221	8.0
10" Female	6-0222	10.5
12" Female	6-0227	15.0

Product	Description	Part Number	Weight	List Price
<b>HOLD BAND</b> (STEEL)	3"	6-0235	0.3	
	4"	6-0236	0.3	
	5"	6-0237	0.4	
	6"	6-0230	0.5	
	8"	6-0231	0.8	
	10"	6-0232	0.9	

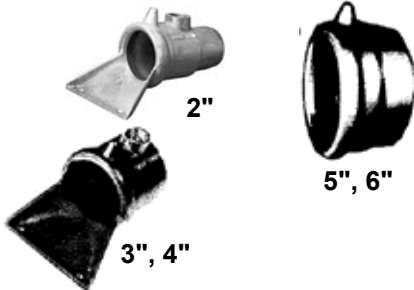


<b>LATERAL COUPLER</b> (CAST ALUMINUM)	Press-on 2"	6-0241	1.3	
	Press-on 3"	6-0242	1.6	
	Press-on 4"	6-0240	2.0	
	Weld-on 2"	6-0260	1.2	
	Weld-on 3"	6-0261	1.6	
	Weld-on 4"	6-0262	2.0	



All couplers have 1" outlet.

<b>KNOB STYLE COUPLER</b> (PRESS-ON)(CAST ALUMINUM)	2" Lateral Press-on*	6-0263	1.0	
	3" Lateral Weld-on*	6-0264	1.2	
	4" Lateral Weld-on*	6-0265	1.8	
	5" Mainline Weld-on	6-0266	3.2	
	6" Mainline Weld-on	6-0267	3.9	



\*Lateral couplers have 1" outlet.

<b>COUPLER/MALE ENDS-ABC</b> (GALVANIZED STEEL)	<b>Female w/1" outlet:</b>	2"	6-0180	1.5	
	-Press-on	3"	6-0181	3.3	
	-Includes Spring & Gasket	4"	6-0182	5.5	
	<b>Female Press-on:</b>	2"	6-0183	0.3	
		3"	6-0184	2.0	
		4"	6-0185	4.0	
		5"	6-0186	7.3	
	-Includes Spring & Gasket	6"	6-0187	9.5	
		8"	6-0188	15.5	
	<b>Male Press-on:</b>	2"	6-0189	0.5	
		3"	6-0190	1.3	
		4"	6-0191	2.0	
		5"	6-0192	4.8	
		6"	6-0193	6.3	
		8"	6-0194	13.0	



Call for prices on ABC Fittings.


<b>LATERAL COUPLER SET-BOLT-ON</b> (CAST ALUMINUM)	2"	6-0300	1.9	
	3"	6-0301	2.8	
	4"	6-0302	3.7	
	5"	6-0303	4.8	
	6"	6-0304	6.3	




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


# COUPLERS




Product	Description	Part Number	Weight	List Price
<b>TWIST LOCK ENDS</b> (CAST ALUMINUM) 	<b>Female:</b>	4"	6-0141	2.3
		5"	6-0142	3.3
		6"	6-0143	2.8
		8"	6-0144	7.0
	<b>Male:</b>	4"	6-0136	0.5
		5"	6-0137	0.9
		6"	6-0138	1.0
		8"	6-0139	2.3
	<b>Full Male End:</b>	6"	6-0135	2.8

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

<b>DETACHABLE COUPLER SET</b> (CAST ALUMINUM) 	2"	6-0095	3.0
	3"	6-0096	4.3
	4"	6-0097	5.2
	5"	6-0098	7.6
	6"	6-0099	8.8
	Includes "2" band and hook assemblies		

<b>DETACHABLE COUPLER-KNOB</b> (CAST ALUMINUM) 	2"	6-9512	1.5
	3"	6-9513	1.9
	4"	6-9514	2.3
	5"	6-9515	3.5
	6"	6-9516	4.1
	7"	6-9517	5.8

<b>SPIKE COUPLER</b> (PVC-SOLVENT) 	2"	6-0305	1.5
	2-1/2"	6-0306	2.0

- 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.

Product	Description	Part Number	Weight	List Price
<b>BOLT-ON CENTER RISER</b> (STEEL GALVANIZED)	3"	6-0255	3	
	4"	6-0256	4	



Has 1" Female threaded outlet.

**INDUSTRIAL GROOVE END**



\*Galvanized Steel and Aluminum Groove Fittings Available. Please Inquire.

Steel			
2"	6-9721	0.8	
2-1/2"	6-9722	1.5	
3"	6-9723	1.0	
4"	6-9724	1.8	
5"	6-9725	2.3	
6"	6-9726	2.8	
8"	6-9727	4.3	
10"	6-9728	6.5	
12"	6-9729	8.5	
Alum			
3"	6-9730	0.7	
4"	6-9731	1.1	
6"	6-9732	1.9	
8"	6-9733	2.1	
10"	6-9734	2.4	
12"	6-9735		

**INDUSTRIAL GROOVE CLAMP**



1-1/2"	9-6776	2.1	
2"	6-9736	2.7	
2-1/2"	6-9737		
3"	6-9738	2.5	
4"	6-9739	3.5	
5"	6-9740	10.6	
6"	6-9741	6.7	
8"	6-9742	12.5	
10"	6-9743	31.0	
12"	6-9744	35.0	

\*Includes Gasket

**INDUSTRIAL GROOVE GASKET**



\*Cut-Away View

1-1/2"	9-6777		
2"	9-6767		
2-1/2"	9-6768		
3"	9-6769		
4"	9-6770		
5"	9-6771		
6"	9-6772		
8"	9-6773		
10"	9-6774		
12"	9-6775		

Fittings



# COUPLINGS & ACCESSORIES



Product	Description	Part Number	Weight	List Price
<b>SADDLE COUPLING</b> (CAST ALUMINUM)	3/4"	6-0100	0.2	
	1"	4-0011	0.2	



\*Weld-on

## QUICK COUPLING RISER VALVE (CAST ALUMINUM)



3/4" fpt x 3/4"	6-1579	0.7
1"mpt x 3/4"	6-1590	0.7
1"mpt x 1"	6-1591	0.8

3/4" Top outlet require 1.05"ODx.113"wall SCH40 pipe; 1" require 1.315"ODx.133"wall

## SPRINKLER DEFLECTOR (STEEL)



Bolts to riser	6-1524	1.4
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# STORAGE BASKET

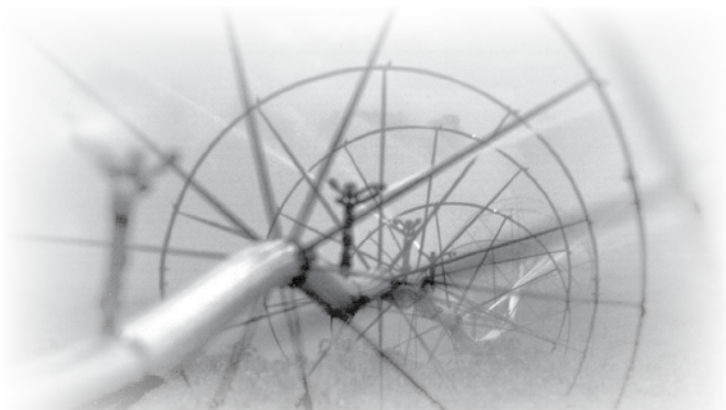
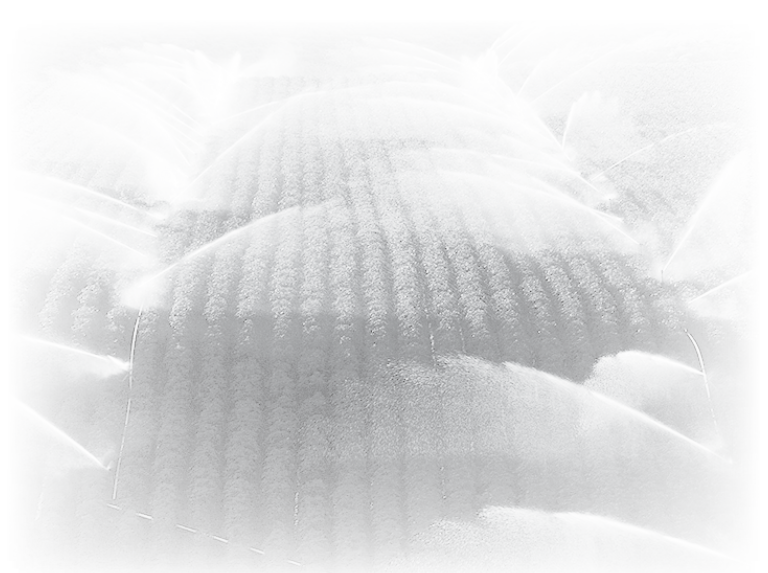
Product	Description	Part Number	Weight	List Price
<b>STORAGE BASKET</b> (GALVANIZED STEEL)	X-Large	9-7754	185	



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" Long x 40" Wide x 42" High, 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.



Fittings

# BALL & SOCKET COUPLERS (BAUER STYLE)



Product	Description	Part Number	Weight	List Price
<b>BALL/SOCKET-BAUER STYLE</b> (BLACK STEEL)	<b>Ball:</b>	2" MM 50 I.D. 1.97"	6-5000	0.3
		3" MM 76 I.D. 3.19"	6-5001	0.5
		3-1/2" MM 89 I.D. 3.66"	6-5002	0.8
		4" MM 108 I.D. 4.41"	6-5003	1.4
		5" MM 133 I.D. 5.40"	6-5005	1.9
		6" MM 159 I.D. 6.11"	6-5006	2.3
		8" MM 194 I.D. 7.88"	6-5007	4.4
		10" MM 250 I.D.	9-6955	10.2
		12" MM 300 I.D.	9-5816	8.7
		<b>Socket:</b>	2" MM 50 I.D. 2.84"	6-5008
	3" MM 76 I.D. 3.86"		6-5009	0.5
	3-1/2" MM 89 I.D. 4.77"		6-5010	0.8
	4" MM 108 I.D. 5.79"		6-5011	1.5
	5" MM 133 I.D. 6.42"		6-5013	2.2
	6" MM 159 I.D. 7.17"		6-5014	2.5
	8" MM 194 I.D. 9.10"		6-5015	5.2
	<b>BALL/SOCKET-BAUER STYLE</b> (CAST ALUMINUM)	<b>Ball:</b>	2" MM 50 I.D. 1.97"	6-5032
3" MM 76 I.D. 3.19"			6-5033	0.5
4" MM 102 I.D.			6-5034	1.2
5" MM 127 I.D.			6-5035	1.7
6" MM 152 I.D.			6-5036	2.2
8" MM 203 I.D.			6-8042	3.2
10" MM 250 I.D.			9-6956	6.2
<b>Socket:</b>		2" MM 50 I.D. 2.84"	6-5038	0.3
		3" MM 76 I.D. 3.86"	6-5039	0.7
		4" MM 102 I.D.	6-5040	1.4
<b>BALL/SOCKET-BAUER STYLE</b> (STAINLESS STEEL)	<b>Ball:</b>	2" MM 50 I.D. 1.97"	9-5326	0.3
		3" MM 76 I.D. 3.19"	9-5327	0.7
		3-1/2" MM 89 I.D. 3.66"	9-5328	0.8
		4" MM 108 I.D. 4.41"	9-5329	1.5
		5" MM 133 I.D. 5.40"	9-5330	1.8
		6" MM 159 I.D. 6.11"	9-5331	2.3
		8" MM 194 I.D. 7.88"	9-5332	4.3
	<b>Socket:</b>	2" MM 50 I.D. 2.84"	9-5333	0.3
		3" MM 76 I.D. 3.86"	9-5334	0.7
		3-1/2" MM 89 I.D. 4.77"	9-5335	0.9
<b>LEVER-BAUER STYLE</b> (GALVANIZED STEEL)	<b>Locking Bar</b>	2" MM 50 I.D. 2.44"	6-5024	1.0
		3" MM 76 I.D. 3.43"	6-5025	2.3
		3-1/2" MM 89 I.D. 4.33"	6-5026	3.8
		4" MM 108 I.D. 5.20"	6-5027	4.3
		5" MM 127/133 I.D. 6.20"	6-5029	9.0
		6" MM 152/159 I.D. 7.20"	6-5030	9.0
		8" MM 194/203 I.D. 9.25"	6-5031	13.3
		*10" MM 250 I.D.	9-6979	24.1
		*12" MM 300 I.D.	9-5818	35.6


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


5" (127) and 6" (152) alum./cast will fit to steel 5" (133) and 6" (159)


133 and 159 will fit to alum. and cast 127 and 152


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


# BALL & SOCKET COUPLERS (BAUER STYLE)


Product	Description	Part Number	Weight	List Price	
<b>GASKET-BAUER STYLE</b> (BAUER STYLE) 	2"	50	2.44"	6-5016	0.1
	3"	76	3.48"	6-5017	0.1
	3-1/2"	89	4.26"	6-5018	0.2
	4"	108	5.20"	6-5019	0.2
	5"	127 / 133	5.98"	6-5021	0.2
	6"	152 / 159	6.69"	6-5022	0.5
	8"	194	8.66"	6-5023	0.6
	10"	250	--	9-6969	1.1
	12"	300	--	9-5819	1.6


<b>LOCKING BAR</b> 	10" - 12"	9-7318	1.9
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<b>SAFETY PIN</b> (GALVANIZED STEEL) 	2"	50	9-5810	0.1
	3"	76	9-5811	0.1
	4"	108	9-5812	0.1
	6"	159	9-5813	0.1
	8"	194	9-5814	0.1

Product	Raised Ribs		Part Number	Weight	
	Size	MM			
<b>HOSE ADAPTER-BALL</b> <b>BAUER STYLE</b> (GALVANIZED STEEL) 	2"	2	50	3-0684	0.7
	3"	2	76	3-0685	1.3
	4"	3	108	3-0686	3.2
	5"	2	133	3-0688	4.2
	6"	3	159	3-0689	5.6
	8"	3	194	3-0690	9.8
	10"	2	250	9-6975	20.2
	12"	300	9-7385	20.8	

Product	Raised Ribs		Part Number	Weight	
	Size	MM			
<b>HOSE ADAPTER-SOCKET</b> <b>BAUER STYLE</b> (GALVANIZED STEEL) 	2"	2	50	3-0691	0.6
	3"	2	76	3-0692	1.3
	4"	3	108	3-0693	3.3
	5"	2	133	3-0695	4.2
	6"	3	159	3-0696	5.8
	8"	3	194	3-0697	10.6
	10"	2	250	9-6977	20.2
	12"	300	9-7386	25.7	

Product	Raised Ribs		Part Number	Weight	
	Size	MM			
<b>HOSE ADAPTER-BALL</b> <b>BAUER STYLE</b> (STAINLESS STEEL) 	2"	2	50	9-5340	0.7
	3"	2	76	9-5341	1.5
	4"	3	108	9-5342	3.1
	6"	3	159	9-5343	5.9
	8"	3	194	9-5344	10.7

Product	Raised Ribs		Part Number	Weight	
	Size	MM			
<b>HOSE ADAPTER-SOCKET</b> <b>BAUER STYLE</b> (STAINLESS STEEL) 	2"	2	50	9-5345	0.8
	3"	2	76	9-5346	1.5
	4"	3	108	9-5347	2.9
	6"	3	159	9-5348	6.6
	8"	3	194	9-5349	12.0

Fittings

# BALL & SOCKET FITTINGS (BAUER STYLE)



Product	Description	Part Number	Weight	List Price	
<b>90° ELBOW-BAUER STYLE</b> (GALVANIZED STEEL)		MM			
		2"	50	6-9038	3.5
		3"	76	6-9039	7.2
		3-1/2"	89	6-9040	11.0
		4"	108	6-9041	12.8
		5"	133	6-9042	23.5
		6"	159	6-9043	27.1
		8"	194	6-9044	47.4
		*10"	250	9-6963	62.3
		*12"	300	9-7387	84.0



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

## 45° ELBOW-BAUER STYLE

(GALVANIZED STEEL)

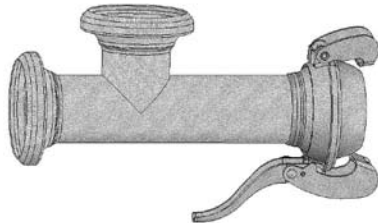


	2"	50	6-9045	3.5
	3"	76	6-9046	7.2
	3-1/2"	89	6-9047	10.8
	4"	108	6-9048	12.6
	5"	133	6-9049	20.2
	6"	159	6-9050	23.8
	8"	194	6-9051	47.4
	*10"	250	9-6961	54.9
	*12"	300	9-7388	73.8

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

## LINE TEE-STYLE

(GALVANIZED STEEL)

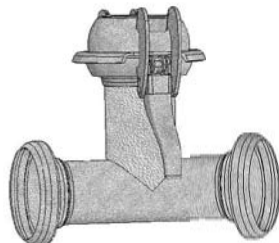


	2"	50	6-9052	13.2
	3"	76	6-9053	15.2
	3-1/2"	89	6-9054	17.7
	4"	108	6-9055	20.1
	5"	133	6-9056	27.8
	6"	159	6-9057	30.5
	8"	194	6-9058	49.3
	*10"	250	9-6980	105.9
	*12"	300	9-7389	140.1

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

## END TEE-STYLE

(GALVANIZED STEEL)



	2"	50	6-9059	13.2
	3"	76	6-9060	15.2
	3-1/2"	89	6-9061	17.7
	4"	108	6-9062	20.1
	5"	133	6-9063	27.8
	6"	159	6-9064	30.5
	8"	194	6-9065	49.3
	*10"	250	9-6965	105.9
	*12"	300	9-7390	140.1

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

# BALL & SOCKET FITTINGS (BAUER STYLE)

Product	Description	Part Number	Weight	List Price	
<b>END PLUG-BAUER STYLE</b> (GALVANIZED STEEL)		MM			
		2"	50	6-9024	0.7
		3"	76	6-9025	1.1
		3-1/2"	89	6-9026	1.5
		4"	108	6-9027	2.1
		5"	133	6-9028	3.3
		6"	159	6-9029	3.6
		8"	194	6-9030	8.0
		10"	250	9-6964	14.6
		12"	300	9-7392	14.8



See previous page for lever.

## ADAPTER, MPT X BALL BAUER STYLE

(GALVANIZED STEEL)



2"	50	6-9010	3.1
3"	76	6-9011	5.5
3-1/2"	89	6-9012	6.0
4"	108	6-9013	10.3
5"	133	6-9014	14.7
6"	159	6-9015	15.9
8"	194	6-9016	25.2
*10"	250	9-6949	40.0
*12"	300	9-7393	51.1

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

Lever is included.

## ADAPTER, MPT X SOCKET BAUER STYLE

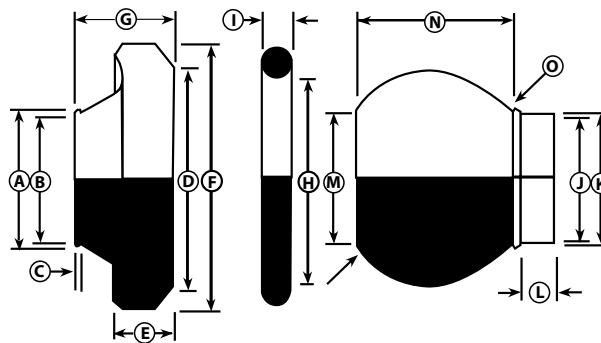
(GALVANIZED STEEL)



2"	50	6-9017	1.1
3"	76	6-9018	1.8
3-1/2"	89	6-9019	0.8
4"	108	6-9020	3.5
5"	133	6-9021	6.0
6"	159	6-9022	7.8
8"	194	6-9023	14.1
10"	250	9-6950	8.3
12"	300	9-7394	13.6

## 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	4.22	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	-	-	11.54	11.81	-	11.81	6.89	13.46

# BALL & SOCKET COUPLERS (100/200 STYLE)

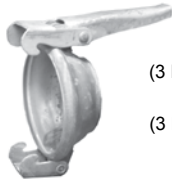


Product	Description	Part Number	Weight	List Price
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## BALL/SOCKET-100/200 STYLE (BLACK STEEL)



Ball w/loose Ring	I.D.				
4" (100 mm)	3.94"	100 series	6-5044		1.8
6" (150 mm)	--	100 series	6-5045		4.6
8" (200 mm)	7.80"	200 series	6-5050		10.8
10" (250 mm)	9.96"	200 series	6-5051		17.8
12" (300 mm)	11.98"	200 series	6-5052		30.1
16" (400 mm)	--	200 series	9-7555		64.1



Socket w/lever attached					
4" (100 mm)	5.16"	100 series	6-5046		2.4
6" (150 mm)	--	100 series	6-5047		3.8
(3 Hook) 6" (150 mm)	--	100 series	9-6947		5.0
8" (200 mm)	9.69"	200 series	6-5053		9.8
(3 Hook) 8" (200 mm)	9.69"	200 series	9-7648		
10" (250 mm)	11.7"	200 series	6-5054		13.4
*12" (300 mm)	14.66"	200 series	6-5055		30.3
**16" (400 mm)	--	200 series	9-7556		57.7

Gasket is included with socket.

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

### Sealing Ring Gasket



4" (100 mm)	3.93"	100 series	6-5048		0.2
6" (150 mm)	6.97"	100 series	6-5049		0.5
8" (200 mm)	9.21"	200 series	6-5056		0.6
10" (250 mm)	11.07"	200 series	6-5057		1.1
12" (300 mm)	13.99"	200 series	6-5058		1.3
16" (400 mm)	--	200 series	9-7557		3.3



# BALL & SOCKET FITTINGS (100/200 STYLE)

Product	Description	Part Number	Weight	List Price
<b>HOSE ADAPTER-BALL</b> <b>100/200 STYLE</b> (GALVANIZED STEEL)	4" (100 mm)	100 series	6-9073	3.6
	6" (150 mm)	100 series	6-9074	7.9
	8" (200 mm)	200 series	6-9075	16.2
	10" (250 mm)	200 series	6-9076	27.8
	12" (300 mm)	200 series	6-9077	42.2
	16" (400 mm)	200 series	9-7558	82.9



## HOSE ADAPTER-SOCKET 100/200 STYLE (GALVANIZED STEEL)

4" (100 mm)	100 series	6-9078	4.2
6" (150 mm)	100 series	6-9079	7.1
8" (200 mm)	200 series	6-9080	15.2
10" (250 mm)	200 series	6-9081	23.4
*12" (300 mm)	200 series	6-9082	42.4
**16" (400 mm)	200 series	9-7559	76.5



\* 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)

4" (100 mm)	100 series	6-9083	9.9
6" (150 mm)	100 series	6-9084	21.7
8" (200 mm)	200 series	6-9085	34.8
10" (250 mm)	200 series	6-9086	50.8
12" (300 mm)	200 series	6-9087	86.5



## 45° ELBOW 100/200 STYLE (GALVANIZED STEEL)

4" (100 mm)	100 series	6-9088	9.7
6" (150 mm)	100 series	6-9089	18.4
8" (200 mm)	200 series	6-9090	31.4
10" (250 mm)	200 series	6-9091	43.4
12" (300 mm)	200 series	6-9092	76.3





# CAM-LOC FITTINGS



Product	Description	Part Number	Weight	List Price
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## FEMALE THREAD X MALE CAM-LOC

(Cast Aluminum)

**"A"** series



		Width		
	1/2"		9-5889	0.1
	3/4"		9-5890	0.1
	1"		9-5891	0.1
	1-1/4"		9-5892	0.2
	1-1/2"		9-5893	0.3
	2"	2-1/2"	6-6918	0.4
	2-1/2"	3"	6-6919	0.6
	3"	3-5/8"	6-6920	0.7
	4"	4-3/4"	6-6921	1.3
	5"	5-3/4"	6-6922	1.6
	6"	6-15/16"	6-6923	2.0
	8"		6-6897	10.9
	10"		9-7584	9.9

## FEMALE THREAD X FEMALE CAM-LOC

(Cast Aluminum)

**"D"** series



	1/2"		9-5904	0.2
	3/4"		9-5905	0.2
	1"		9-5906	0.4
	1-1/4"		9-5907	0.7
	1-1/2"		9-5908	0.8
	2"	2-1/2"	6-6924	0.9
	2-1/2"	3"	6-6925	1.2
	3"	3-5/8"	6-6926	1.8
	4"	4-3/4"	6-6927	2.8
	5"	5-3/4"	6-6928	3.4
	6"	6-15/16"	6-6929	5.1
	8"		6-9788	9.5
	10"		9-7585	12.5

## MALE THREAD X MALE CAM-LOC

(Cast Aluminum)

**"F"** series



	1/2"		9-5914	0.1
	3/4"		9-5915	0.2
	1"		9-5916	0.2
	1-1/4"		9-5917	0.3
	1-1/2"		9-5918	0.5
	2"	2-1/2"	6-6930	0.7
	2-1/2"	3"	6-6931	1.0
	3"	3-5/8"	6-6932	1.3
	4"	4-3/4"	6-6933	2.3
	5"	5-3/4"	6-6934	2.9
	6"	6-15/16"	6-6935	3.9
	8"		9-6959	7.9
	10"		9-7586	10.6

## MALE THREAD X FEMALE CAM-LOC

(Cast Aluminum)

**"B"** series



	1/2"		9-5894	0.2
	3/4"		9-5895	0.2
	1"		9-5896	0.4
	1-1/4"		9-5897	0.6
	1-1/2"		9-5898	0.7
	2"	2-1/2"	6-6936	0.9
	2-1/2"	3"	6-6937	1.0
	3"	3-5/8"	6-6938	1.6
	4"	4-3/4"	6-6939	2.4
	5"	5-3/4"	6-6940	3.3
	6"	6-15/16"	6-6941	5.0
	8"		9-7587	8.0
	10"		9-7588	12.1

## 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.

# CAM-LOC FITTINGS

Product	Description	Part Number	Weight	List Price	
<b>HOSE BARB X MALE CAM-LOC</b> (Cast Aluminum)  <b>"E"</b> series 	1/2"	9-5909	0.1		
	3/4"	9-5910	0.1		
	1"	9-5911	0.2		
	1-1/4"	9-5912	0.3		
	1-1/2"	9-5913	0.4		
	2"	2-1/2"	6-6900	0.6	
	2-1/2"	3"	6-6901	0.9	
	3"	3-5/8"	6-6902	1.3	
	4"	4-3/4"	6-6903	2.1	
	5"	5-3/4"	6-6914	3.6	
	6"	6-15/16"	6-6915	6.2	
8"	6-6899	10.0			
10"	9-7589	12.9			
<b>HOSE BARB X FEMALE CAM-LOC</b> (Cast Aluminum)  <b>"C"</b> series 	1/2"	9-5899	0.2		
	3/4"	9-5900	0.3		
	1"	9-5901	0.4		
	1-1/4"	9-5902	0.7		
	1-1/2"	9-5903	0.7		
	2"	2-1/2"	6-6904	1.0	
	2-1/2"	3"	6-6905	1.3	
	3"	3-5/8"	6-6906	2.2	
	4"	4-3/4"	6-6907	3.2	
	5"	5-3/4"	6-6916	3.9	
	6"	6-15/16"	6-6917	7.7	
8"	6-6898	15.5			
10"	9-7590	16.7			
<b>END CAP (DUST CAP) CAM-LOC</b> (Cast Aluminum)  <b>"DC"</b> 	1/2"	9-5919	0.2		
	3/4"	9-5920	0.2		
	1"	9-5921	0.3		
	1-1/4"	9-5922	0.6		
	1-1/2"	9-5923	0.6		
	2"	2-1/2"	9-5924	0.8	
	2-1/2"	3"	9-5925	1.0	
	3"	3-5/8"	9-5926	1.3	
	4"	4-3/4"	9-5927	2.3	
	5"	5-3/4"	9-5928	3.1	
	6"	6-15/16"	9-5929	4.7	
8"	9-6832	9.0			
10"	9-7592	12.5			
<b>END PLUG (DUST PLUG) CAM-LOC</b> (Cast Aluminum)  <b>"DP"</b> 	1/2"	9-5930	0.1		
	3/4"	9-5931	0.1		
	1"	9-5932	0.1		
	1-1/4"	9-5933	0.2		
	1-1/2"	9-5934	0.3		
	2"	2-1/2"	9-5935	0.3	
	2-1/2"	3"	9-5936	0.5	
	3"	3-5/8"	9-5937	0.7	
	4"	4-3/4"	9-5938	1.2	
	5"	5-3/4"	9-5939	1.5	
	6"	6-15/16"	9-5940	2.5	
8"	9-7593	4.0			
10"	9-7594	5.4			
<b>GASKET, CAM-LOC</b> 		<u>OD</u>	<u>ID</u>		
	1/2"	1.024	0.669	9-6748	
	3/4"	1.375	0.875	9-6749	
	1"	1.563	1.063	9-6750	
	1-1/4"	1.938	1.359	9-6751	
	1-1/2"	2.188	1.625	9-6752	
	2"	2.625	2.000	6-6908	
	2-1/2"	3.125	2.375	6-6909	
	3"	3.719	3.000	6-6910	
	4"	4.875	4.000	6-6911	0.1
	5"	5.906	4.875	6-6912	0.1
6"	7.063	6.000	6-6913	0.1	
8"	9.125	8.000	9-5876	0.2	
10"	11.875	9.875	9-7591	0.4	





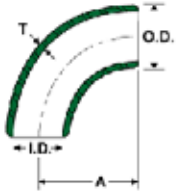

Fittings

**ELBOWS**

Product	Description	Part Number	Weight	List Price
<b>RINGLOCK ELBOW</b> (GALVANIZED STEEL) 	<b>45°</b>	3" x 45°	9-7395	4.8
		4" x 45°	9-7396	7.5
		5" x 45°	9-7397	9.6
		6" x 45°	6-0310	11.3
		8" x 45°	6-0311	15.9
		10" x 45°	6-0312	19.3
		12" x 45°	9-7398	31.6
	<b>90°</b>	3" x 90°	9-7399	7.4
		4" x 90°	9-7400	12.0
		5" x 90°	9-7401	15.2
		6" x 90°	6-0320	23.7
		8" x 90°	6-0321	24.9
		10" x 90°	6-0322	30.6
		12" x 90°	9-7402	45.2
<b>RINGLOCK 90° ELBOW</b> <b>MALE X MALE</b> (GALVANIZED STEEL) 	3" x 90°	9-7403	7.6	
	4" x 90°	9-7404	12.0	
	5" x 90°	9-7405	15.2	
	6" x 90°	9-5350	14.8	
	8" x 90°	9-5351	23.1	
	10" x 90°	9-5352	30.7	
	12" x 90°	9-7406	45.2	
<b>RINGLOCK ELBOW</b> (CAST ALUMINUM) 	<b>45°</b>	4" x 45°	9-7407	3.7
		5" x 45°	9-7408	4.7
		6" x 45°	6-0370	6.2
		8" x 45°	6-0371	8.3
		10" x 45°	6-0372	10.3
		12" x 45°	9-7409	14.5
	<b>90°</b>	4" x 90°	9-7410	4.4
		5" x 90°	9-7411	5.5
		6" x 90°	6-0380	8.2
		8" x 90°	6-0381	10.8
		10" x 90°	6-0382	15.3
		12" x 90°	9-7412	20.0
		<b>TWIST LOCK ELBOW</b> (CAST ALUMINUM) 	<b>45°</b>	6" x 45°
<b>90°</b>	6" x 90°		6-0314	6.1
<b>PLAIN ELBOW</b> (ALUMINUM)  	<b>45°</b>	2" x 45°	6-0354	1.7
		3" x 45°	6-0355	1.8
		4" x 45°	6-0350	2.6
		5" x 45°	6-0356	3.2
		6" x 45°	6-0351	3.3
		8" x 45°	6-0352	4.6
		10" x 45°	6-0353	5.6
		12" x 45°	6-9001	
	<b>90°</b>	2" x 90°	6-0364	2.0
		3" x 90°	6-0365	2.3
		4" x 90°	6-0360	2.8
		5" x 90°	6-0366	4.6
		6" x 90°	6-0361	4.5
		8" x 90°	6-0362	6.5
		10" x 90°	6-0363	8.0
		12" x 90°	6-8021	
		<b>SURFACE ELBOW</b> (PVC)  	<b>45°</b>	6" x 45°
8" x 45°	6-0341			
10" x 45°	6-0342			
12" x 45°	6-0343			
<b>90°</b>	6" x 90°		6-0344	
	8" x 90°		6-0345	
	10" x 90°		6-0346	
	12" x 90°		6-0347	

Ringlock clamp is not included.

\*Call for other twist-lock sizes

Product	Description	Part Number	Weight	List Price			
<b>HOOK STYLE ELBOW</b> (CAST ALUMINUM) 	45°	2" x 45°	6-0390	3.0			
		3" x 45°	6-0391	4.0			
		4" x 45°	6-0392	5.0			
	90°	2" x 90°	6-0395	3.0			
		3" x 90°	6-0396	4.0			
		4" x 90°	6-0397	5.0			
<b>KNOB STYLE ELBOW</b> (CAST ALUMINUM) 	45°	2" x 45°	6-0403	2.1			
		3" x 45°	6-0404	2.8			
		4" x 45°	6-0405	4.1			
		5" x 45°	6-0406	6.9			
		6" x 45°	6-0407	9.1			
	90°	2" x 90°	6-0398	2.1			
		3" x 90°	6-0399	2.8			
		4" x 90°	6-0400	4.1			
		5" x 90°	6-0401	6.9			
		6" x 90°	6-0402	9.1			
		<b>SWEEPING ELBOW-WELD-ON</b> (CAST ALUMINUM) 	45°	3" x 45°	6-0270	1.0	
				4" x 45°	6-0271	1.0	
5" x 45°	6-9943			1.5			
6" x 45°	6-0272			2.0			
8" x 45°	6-0273			3.5			
10" x 45°	6-0274			4.8			
90°	3" x 90°		6-0275	1.5			
	4" x 90°		6-0276	1.7			
	5" x 90°		6-9942	2.3			
	6" x 90°		6-0277	4.0			
	8" x 90°		6-0278	6.0			
	10" x 90°		6-0279	9.5			
	12" x 90°		9-7414	11.0			
	<b>SWEEPING ELBOW-WELD-ON</b> (BLACK STEEL)  		45°	2" x 45°	Thickness	6-0075	2.0
				3" x 45°		6-0076	4.0
4" x 45°		.200"		6-0077	5.5		
4-1/2" x 45°		.200"		9-7755	3.0		
6" x 45°		.190"		6-0078	10.0		
6-5/8" x 45°		.190"		9-7756	6.0		
8" x 45°		.190"		9-6813	15.0		
8-5/8" x 45°		.190"		9-7757	11.0		
10" x 45°				9-7776			
90°		2" x 90°		Thickness	"A"	6-0001	2.0
		3" x 90°			6-0002	4.0	
		4" x 90°	.200"	5.25"	6-0003	5.7	
		4-1/2" x 90°	.200"		9-7758	6.0	
		6" x 90°	.072"	16.25"	9-7658		
6" x 90°		.190"	8.50"	6-0004	13.4		
6-5/8" x 90°	.190"		9-7759	12.0			
8" x 90°	.190"	11.50"	6-9939	24.5			
8-5/8" x 90°	.190"		9-7760	22.1			
10" x 90°			9-7777				
<b>MITERED ELBOW-WELD-ON 10GA.</b> (BLACK STEEL) 	45°	3" x 45°	6-0280	1.5			
		4" x 45°	6-0281	3.6			
		6" x 45°	6-0282	6.1			
		8" x 45°	6-0283	10.8			
		10" x 45°	6-0268	12.3			
		12" x 45°	6-0269	15.9			
	90°	3" x 90°	6-0284	2.1			
		4" x 90°	6-0285	5.4			
		6" x 90°	6-0286	9.3			
		8" x 90°	6-0287	14.1			
		10" x 90°	6-0288	19.7			
		12" x 90°	6-0289	26.1			

-10 gauge  
-Measurements:  
45 deg 3"x3" extensions  
90 deg 3"x2"x3"

Fittings

**END TEES & ELBOW**

Product	Description	Part Number	Weight	List Price
<b>FLANGED 90° ELBOW</b> (GALVANIZED STEEL)	4"	9-7415	27.7	
	6"	9-5825	39.0	
	8"	9-5826	52.8	
	10"	9-5827	67.1	
	12"	9-7416	86.8	



Also Available in Cast Aluminum, call for prices.

**PLAIN END TEE**  
(ALUMINUM)

2"	6-0444	3.3
3"	6-0445	3.6
4"	6-0440	3.9
5"	6-0446	6.6
6"	6-0441	6.6
8"	6-0442	8.9
10"	6-0443	11.5
12"	6-8026	16.1

**RINGLOCK END TEE**  
(GALVANIZED STEEL)

3"	9-7417	9.0
4"	9-7418	13.6
5"	9-7419	17.0
6"	6-0410	19.6
8"	6-0411	27.1
10"	6-0412	33.3
12"	9-7420	52.0

Ringlock clamp is not included.

**RINGLOCK END TEE**  
(CAST ALUMINUM)

4"	9-7421	6.2
5"	9-7422	7.5
6"	6-0430	9.6
8"	6-0431	13.4
10"	6-0432	17.3


Ringlock clamp is not included.

**HOOK STYLE END TEE**  
(CAST ALUMINUM)


2"	6-0450	2.6
3"	6-0451	3.8
4"	6-0452	4.8


**TWIST LOCK END TEE**  
(CAST ALUMINUM)

6"	6-0316	9.1
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Product	Description	Part Number	Weight	List Price
<b>KNOB STYLE END TEE</b> (ALUMINUM)		2"	6-0460	2.6
		3"	6-0461	3.5
		4"	6-0462	6.4
		*5"	6-0463	7.3
		*6"	6-0464	8.8
				


\* Fabricated Aluminum.

<b>SURFACE END TEE</b> (PVC)		6"	6-0447	
		8"	6-0448	
		10"	6-0449	
		12"	6-0453	
				

<b>FLANGED TEE</b> (GALVANIZED STEEL)		4"	9-7423	32.6
		6"	9-5822	44.9
		8"	9-5823	61.2
		10"	9-5824	78.1
		12"	9-7424	103.0
				

Also Available in Cast Aluminum, call for prices.

<b>WELD-ON TEE</b> (CAST ALUMINUM)		3"	9-7425	1.5
		4"	6-9940	2.0
		5"	6-9941	2.5
		6"	6-0290	3.0
		8"	6-0291	5.8
		10"	6-0292	8.0
				

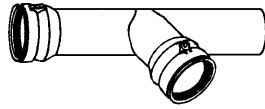
<b>WELD-ON TEE</b> (BLACK STEEL)		4"	6-0293	11.5
		5"	6-0294	15.4
		6"	6-0295	14.3
		8"	6-0296	21.2
		10"	6-0297	29.0
		12"	6-0298	38.0
				

-10 gauge  
-Measurements:  
4"x4" extensions

# LINE TEES & Y TEES



Product	Description	Part Number	Weight	List Price
<b>PLAIN LINE TEE</b> (ALUMINUM)	2"	6-0644	3.3	
	3"	6-0645	3.6	
	4"	6-0640	3.9	
	5"	6-0646	6.6	
	6"	6-0641	6.6	
	8"	6-0642	8.9	
	10"	6-0643	11.5	
	12"	6-8025	16.1	



## RINGLOCK LINE TEE (GALVANIZED STEEL)

3"	9-7426	9.0
4"	9-7427	13.6
5"	9-7428	17.0
6"	6-0610	19.6
8"	6-0611	27.1
10"	6-0612	33.3
12"	9-7429	52.0



## RINGLOCK LINE TEE (CAST ALUMINUM)

4"	9-7430	6.2
5"	9-7431	7.5
6"	6-0630	9.6
8"	6-0631	13.4
10"	6-0632	17.3



## SURFACE LINE TEE (PVC)

6"	6-0647	
8"	6-0648	
10"	6-0649	
12"	6-0653	



## TWIST LOCK LINE TEE (CAST ALUMINUM)

6"	6-0317	9.1
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## HOOK STYLE LINE TEE (CAST ALUMINUM)

2"	6-0650	4.0
3"	6-0651	5.0
4"	6-0652	7.0



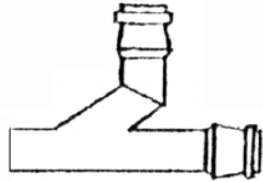
# LINE TEES & Y TEES

Product	Description	Part Number	Weight	List Price
<b>KNOB STYLE LINE TEE</b> (CAST ALUMINUM)	2"	6-0660	2.8	
	3"	6-0661	3.8	
	4"	6-0662	5.0	
	5"	6-0663	11.9	
	6"	6-0664	14.0	



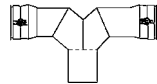
**PLAIN LINE Y TEE**  
(ALUMINUM)

6"	6-0550		
8"	6-0551		
10"	6-0552		



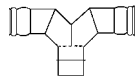
**PLAIN Y TEE**  
(ALUMINUM)

6"	6-0540	7.2	
8"	6-0541	9.6	
10"	6-0542	12.5	
12"	6-8027		



**RINGLOCK Y TEE**  
(GALVANIZED STEEL)

6"	6-0510	24.7	
8"	6-0511	33.8	
10"	6-0512	41.8	



**RINGLOCK Y TEE**  
(ALUMINUM)

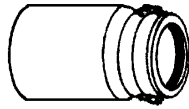
6"	6-0530	7.7	
8"	6-0531	10.5	
10"	6-0532	13.5	





**REDUCERS**

Product	Description	Part Number	Weight	List Price
<b>PLAIN REDUCER</b> (ALUMINUM)	3" x 2"	6-0614	1.8	
	4" x 3"	6-0615	2.0	
	5" x 4"	8-1428	3.7	
	6" x 4"	6-0710	2.8	
	8" x 4"	6-0713	7.2	
	8" x 6"	6-0711	3.9	
	10" x 8"	6-0712	4.0	
	12" x 10"	6-9002		

**RINGLOCK REDUCER**  
(GALVANIZED STEEL)

6" x 4"	6-0730	6.4
8" x 4"	6-0733	9.6
8" x 6"	6-0731	9.3
10" x 8"	6-0732	12.7

**HOOK STYLE REDUCER**  
(CAST ALUMINUM)

3" x 2"	6-0720	2.0
4" x 3"	6-0721	3.0

**KNOB STYLE REDUCER**  
(CAST ALUMINUM)

3" x 2"	6-0717	1.6
4" x 3"	6-0718	2.3
5" x 4"	6-0719	2.8
6" x 4"	6-0709	4.8

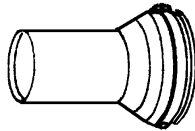


# REDUCER & INCREASERS

Product	Description	Part Number	Weight	List Price
<b>SURFACE REDUCER</b> (PVC)	8" x 6"	6-0714		
	10" x 8"	6-0715		
	12" x 10"	6-0716		



<b>PLAIN INCREASER</b> (ALUMINUM)	4" x 6"	6-0740	4.8
	6" x 8"	6-0741	6.3
	8" x 10"	6-0742	9.1
	10" x 12"	6-9003	



<b>RINGLOCK INCREASER</b> (GALVANIZED STEEL)	6" x 8"	6-0760	11.3
	8" x 10"	6-0761	14.3




<b>SURFACE INCREASER</b> (PVC)	6" x 8"	6-0743	
	8" x 10"	6-0744	
	10" x 12"	6-0745	



Fittings

# END PLUGS



Product	Description	Part Number	Weight	List Price
<b>PLAIN END PLUG</b> (ALUMINUM) 	4"	6-0810	1.4	
	5"	6-0814	2.4	
	6"	6-0811	2.5	
	8"	6-0812	3.8	
	10"	6-0813	4.6	
	12"	6-8020		

## RINGLOCK END PLUG

(GALVANIZED STEEL)



3"	9-7432	1.8
4"	9-7433	2.3
5"	9-7434	3.5
6"	6-0830	4.9
8"	6-0831	6.9
10"	6-0832	9.9
12"	9-7435	15.1

## HOOK STYLE END PLUG

(CAST ALUMINUM)



2"	6-0821	1.0
3"	6-0822	1.5
4"	6-0820	2.0
5"	6-0823	3.0
6"	6-0824	4.0

## TWIST LOCK END PLUG

(CAST ALUMINUM)



6"	6-0315	3.5
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# END PLUGS & END CAPS

Product	Description	Part Number	Weight	List Price
<b>KNOB STYLE END PLUG</b> (CAST ALUMINUM)	2"	6-0833	0.8	
	3"	6-0834	1.3	
	4"	6-0835	1.8	
	5"	6-0836	2.3	
	6"	6-0837	3.0	



## **SURFACE END PLUG** (PVC)

6"	6-0815	
8"	6-0816	
10"	6-0817	
12"	6-0818	



## **RINGLOCK END CAP** (GALVANIZED STEEL)

3"	9-7436	1.6
4"	9-7437	2.3
5"	9-7438	3.5
6"	6-0870	4.1
8"	6-0871	8.2
10"	9-7439	9.9
12"	9-7440	15.1



## **END PLUG COVER, W/HANDLE, WELD-ON** (CAST ALUMINUM)

6"	9-7620	1.5
8"	9-7621	2.5
10"	9-7622	3.3



Aluminum end plug cover fits coupler weld socket for fabricating end plugs.

# HOOKS



Product	Description	Part Number	Weight	List Price
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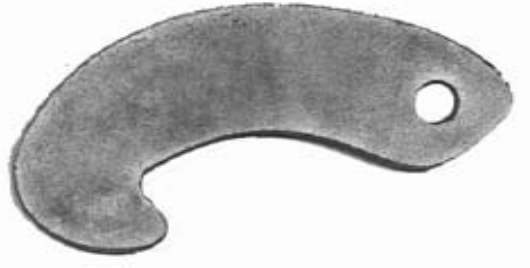
**UNIVERSAL HOOK**  
(GALVANIZED STEEL)

6-0904 0.5



**ANDERSON HOOK**  
(PAINTED STEEL)

4-0012 0.5



**A & M LONG HOOK**  
(GALVANIZED STEEL)

4-0013



**A & M SHORT HOOK**  
(GALVANIZED STEEL)

4-0014 0.4



**NUTS & BOLTS**  
(FOR BAND & HOOK)



Bolt,	3/8"x1-1/2"	Grade 5	6-0901	0.1
Nut,	3/8"	Grade 2	6-0902	
Ferrule,	5/16" width		6-0903	
Ferrule,	1/2" width		6-0899	
Bolt,	3/4"x2" long	Grade 5	6-0905	0.4
Nut,	3/4"	Grade 2	6-0906	0.1

Product	Description	Part Number	Weight	List Price
<b>SINGLE BAND &amp; HOOK</b> (GALVANIZED STEEL)	Complete: 2"	6-0913	0.5	
	3"	6-0914	0.6	
	4"	6-0910	0.6	
	5"	6-0922	0.8	
	6"	6-0920	2.8	
	7"	6-0923	3.0	
	8"	6-0930	3.8	
	9"	6-0932	4.0	
	10"	6-0940	4.5	
	12"	6-0945	5.0	

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

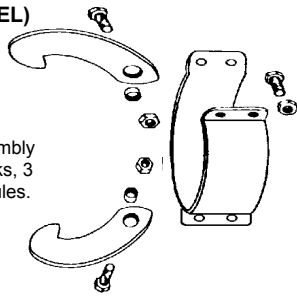


Single Band Only Assembly includes 1 band and 1 nut & bolt

Band Only:	2"	6-0915	0.4	
	3"	6-0916	1.3	
	4"	6-0911		
	5"	6-0924	1.9	
	6"	6-0921	2.2	
	7"	6-0925		
	8"	6-0931	2.8	
	9"	6-0933	2.1	
	10"	6-0941	3.4	
	12"	6-0942		

**DOUBLE BAND & HOOK**  
(GALVANIZED STEEL)

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



Complete:	4"	6-0950	1.4	
	6"	6-0960	3.6	
	8"	6-0970	4.6	
	10"	6-0980	5.3	
	12"	6-0990	5.8	

Band Only:	4"	6-0951	0.3	
	6"	6-0961	2.5	
	8"	6-0971	3.1	
	10"	6-0981	3.7	
	12"	6-0991	0.3	

**NUTS/BOLTS/WASHERS**  
(FOR CHEMIGATION VALVES)



**Bolt Kit-Flange (complete set of nuts, bolts, flat & lock washers):**

2", 3"	(set of 4)	5/8"x 2" long	9-5882	
4"	(set of 8)	5/8"x2" long	9-5883	
5", 6", 8"	(set of 8)	3/4"x2" long	9-5884	4.9
10", 12"	(set of 12)	7/8"x2" long	9-5881	10.7

**NUTS/BOLTS/WASHERS**  
(FOR WAFER VALVES)



Bolt, 3/4" x 5-1/2" Grade 5 9-5880

**Standard Bolt Kit-WBV (complete set of nuts, bolts, flat & lock washers)**

**For Steel Flanges:**

2", 3"	(set of 4)	5/8"x 4" long	9-5886	
4"	(set of 8)	5/8"x 4-1/2" long	9-5887	5.0
5", 6", 8"	(set of 8)	3/4"x 5" long	9-5888	7.8
10", 12"	(set of 12)	7/8"x 5-1/2" long	9-5885	17.7
16"	(set of 16)	1" x 5-1/2"	9-7663	
18"	(set of 16)	1-1/8" x 5-1/2"	9-7664	

**Standard Bolt Kit-WBV (complete set of nuts, bolts, flat & lock washers)**

**For PVC Flanges:**

2", 3"	(set of 4)	5/8"x 5" long	9-6864	
4"	(set of 8)	5/8"x 6" long	9-6865	
5", 6", 8"	(set of 8)	3/4"x 7" long	9-6866	
10", 12"	(set of 12)	7/8"x 8" long	9-6863	

# BAND & LATCH ACCESSORIES



Product	Description	Part Number	Weight	List Price
<b>BAND &amp; LATCH</b> (KNOB STYLE)	2"	6-0992	0.4	
	3"	6-0993	0.5	
	4"	6-0994	0.9	
	5"	6-0995	1.6	
	6"	6-0996	1.8	



## LATCH ONLY

(KNOB STYLE)

CX, 2"-3"-4"	6-0946	0.3
DX, 5"-6"	6-0952	0.3



## BAND ONLY

(KNOB STYLE)

2"	6-0953	0.6
3"	6-0954	0.7
4"	6-0955	0.8
5"	6-0956	1.4
6"	6-0957	1.7



\* Includes Nuts and Bolts

## CARRIAGE BOLT & NUT

(KNOB STYLE BAND & LATCH)

5/16" x 1" long (4" back)	6-0947	0.1
5/16" x 1-1/2" long (2", 3", 4" front)	6-0962	0.1
3/8" x 1-1/4" long (5", 6" back)(2 req)	6-0963	0.1
3/8" x 1-3/4" long (5", 6" front)	6-0964	0.1
Nut, 5/16"	6-0965	0.1
Nut, 3/8"	6-0966	0.1



# BAND & LATCH ACCESSORIES

Product	Description	Part Number	Weight	List Price
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**D RING - WELD-ON**



Steel

6-0841

**D RING - BOLT-ON**  
(CAST ALUMINUM)



6-0842

0.4

**BAIL RING**



6"w/Steel Bracket

6-0846

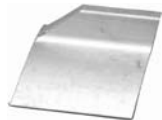
6"w/Aluminum Bracket

6-0847

3",4",5" w/Aluminum Bracket

6-0848

**LUG - WELD-ON**  
(ALUMINUM)



6" Aluminum

6-0849

0.2

4" Aluminum

6-0851

0.1

\* To match above Bail Rings

**LOCK PLATE STUB**  
(CAST ALUMINUM)



6-0843

\*Older ones are steel

**KNOB - WELD-ON**  
(CAST ALUMINUM)




6-0844

0.1


Fittings




Product	Description	Part Number	Weight	List Price
<b>RING - WELD-ON</b> (CAST ALUMINUM)	6"	6-1010	0.6	
	8"	6-1011	0.9	
	10"	6-1012	1.1	



<b>RING - WELD-ON</b> (BLACK STEEL)	6"	6-1020	1.0	
	8"	6-1021	1.1	
	10"	6-1022	1.4	




<b>RING - BOLT-ON</b> (PAINTED STEEL)	4"	9-5806	1.2	
	6"	6-1032	1.7	
	8"	6-1033	2.1	
	10"	6-1035	2.6	
	12"	9-5807		








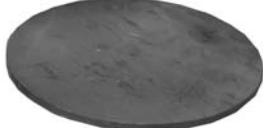


-Max. 50 psi

<b>RINGLOCK CLAMP</b> (PLATED STEEL)	<b>A&amp;M(small):</b>	6"	6-0083	2.0
		8"	6-0084	2.5
		10"	6-0085	3.5
	<b>Pierce(small):</b>	6"	6-1060	2.0
	<b>Standard:</b>	3"	6-1047	1.4
		4"	6-1038	1.6
		5"	6-1039	1.8
		6"	6-1040	2.0
		7"	6-1036	2.3
		8"	6-1041	2.7
		10"	6-1042	3.5
		12"	6-1037	5.3
	<b>Oversized:</b>	6"	6-1043	2.0
		8"	6-1044	2.5
		10"	6-1045	3.5




# RING ACCESSORIES & DISCS

Product	Description	Part Number	Weight	List Price	
<b>HORSESHOE CLAMP</b> (PAINTED STEEL) 	6"	6-1050	1.5		
	7"	6-1054	1.6		
	8"	6-1051	1.7		
	10"	6-1052	2.1		
	Up to 50 psi				
<b>BAIL SPRING</b>		6-1046	0.5		
					
<b>U - HOLDER FOR TELESCOPE</b>		6-0862	0.5		
					
<b>LOCKING BLOCK</b>	Aluminum	6-0840	0.3		
	Steel	6-0850	0.3		
	Steel				
	Aluminum				
<b>U - HOLDER</b>	Aluminum	6-0861	0.1		
	Steel	6-0860	0.3		
					
<b>DISC - WELD-ON</b> (ALUMINUM) 	2"	6-1156	0.1		
	3"	6-1157	0.3		
	4"	6-1159	0.5		
	5"	6-1158	0.8		
	6"	6-1160	1.0		
	7"	9-5808	1.7		
	8"	6-1161	0.5		
	9"	9-5809	2.0		
	10"	6-1162	2.5		
	12"	6-1163			
	.090 wall thickness.				
	<b>DISC - WELD-ON</b> (BLACK STEEL) 		Thickness		
2"		3/16"	6-1170	0.1	
3"		3/16"	6-1171	0.2	
4"		3/16"	6-1150	0.4	
5"		3/16"	6-1172	1.1	
6"		3/16"	6-1151	1.0	
7"		1/4"	6-1173	2.8	
8"		3/16"	6-1152	3.3	
9"		1/4"	6-1175	4.6	
10"		3/16"	6-1153	4.0	
11"		1/4"	6-1176	6.8	
12"		3/16"	6-1174	5.8	

Fittings

# FLANGES

Product	Description	Part Number	Weight	List Price	
<b>FLANGE</b> <b>(BLACK STEEL)</b>  <p style="text-align: center;"><b>Includes Gasket</b></p> <p>Specifications:            - Carbon Steel (either A36 plate OR A283-C plate)            - Polyurethane coating (to avoid rust in transit)            - Mil finished plate x mchnd (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)</p> <p>Larger sizes available, please call for pricing and availability.</p>	<b>OD Size</b>				
	2"	6-1104	3.5		
	2-1/2"	6-1105	4.5		
	3"	6-1106	5.3		
	4"	6-1107	7.1		
	5"	6-1108	8.2		
	6"	6-1110	9.3		
	8"	6-1111	12.9		
	10"	6-1112	16.6		
	12"	6-1109	23.0		
	14"	8-1440	26.5		
	16"	8-1441	31.0		
	18"	8-1442	32.0		
	20"	8-1443	37.5		
	22"	8-1444	38.5		
	24"	8-1445	51.0		
	<b>IPS Size</b>				
	4-1/2"	9-6915	6.6		
	6-5/8"	6-9674	8.7		
	8-5/8"	6-9675	11.7		
	10-3/4"	6-9676	14.9		
	12-3/4"	6-9677	22.1		
	<b>For Valve Outlet</b>				
	6"	6-9678	6.1		
	8"	6-9679	8.9		
	10"	6-9680			
	12"	6-9681			

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"

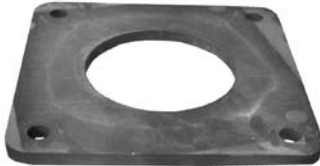
Product	Description	Part Number	Weight	List Price
<b>FLANGE</b> (CAST ALUMINUM)	3"	6-1055	3.0	
	4"	6-1116	4.2	
	5"	6-1117	5.2	
	6"	6-1113	6.3	
	8"	6-1114	8.1	
	10"	6-1115	12.3	
	12"	6-1103	17.5	



Includes Gasket

**FLANGE - SQUARE**  
(BLACK STEEL)

4"	9-5466	3.0
6"	9-5467	1.9
8"	9-5468	3.1



**FLANGE GASKET**  
(RED RUBBER)

Size	Thickness	Part Number	Weight
2"	1/16"	6-1101	
2-1/2"	1/16"	9-6814	
3"	1/16"	6-1102	
4"	1/16"	6-1118	0.2
5"	1/16"	6-1119	0.2
6"	1/16"	6-1120	0.3
8"	1/16"	6-1121	0.3
10"	1/16"	6-1122	0.3
12"	1/16"	6-1123	0.5
14"	1/16"	9-7797	
16"	1/16"	9-7798	
18"	1/16"	9-7799	
20"	1/16"	9-7800	
24"	1/16"	9-7801	
<hr/>			
2"	1/8"	6-9666	
2-1/2"	1/8"	9-7802	
3"	1/8"	6-9667	
4"	1/8"	6-9668	
5"	1/8"	6-9669	
6"	1/8"	6-9670	
8"	1/8"	6-9671	
10"	1/8"	6-9672	
12"	1/8"	6-9673	
14"	1/8"	8-1340	
16"	1/8"	8-1341	
18"	1/8"	8-1342	
20"	1/8"	8-1343	
22"	1/8"	8-1344	
24"	1/8"	8-1345	



(Full Face)

Fittings

# FLANGES



Product	Description	Part Number	Weight	List Price	
<b>FLANGE - BLIND</b> (BLACK STEEL)		<u>OD</u>	<u>Thickness</u>		
	2"	6"	1/2"	6-9707	4.0
	2-1/2"	7"	1/2"	6-9708	5.5
	3"	7-1/2"	1/2"	6-9709	6.5
	4"	9"	1/2"	6-9710	9.2
	6"	11"	1/2"	6-9711	13.8
	8"	13-1/2"	1/2"	6-9712	21.3
	10"	16"	1/2"	6-9713	28.1
	12"	19"	1/2"	6-9714	42.3
	14"	21"	1/2"	9-7724	51.5
	16"	23-1/2"	1/2"	9-7725	60.0
	18"	25"	1/2"	9-7726	70.0
	20"	27-1/2"	1/2"	9-7727	90.0
	24"	32"	1/2"	9-7728	125



## FLANGE - FEMALE THREAD (CAST IRON)

Thread Size	OD	Thickness		
2"	6"	5/8"	6-9639	5.1
2-1/2"	7"	5/8"	6-9640	7.1
3"	7-1/2"	5/8"	6-9641	7.9
4"	9"	5/8"	6-9642	13.2
5"	10"	3/4"	6-9643	15.2
6"	11"	3/4"	6-9644	19.0
8"	13-1/2"	1"	6-9645	30.3
10"	16"	1"	6-9646	43.3
12"	19"	1"	6-9647	64.4



\* Female pipe thread ID

## FLANGE INSULATION KIT



	2"	9-6928	0.4
	2-1/2"	9-6929	0.6
	3"	9-6930	0.6
	4"	9-6931	0.8
	5"	9-6932	1.0
	6"	9-6933	1.2
	8"	9-6934	1.6
	10"	9-6935	3.0
	12"	9-6936	3.2
	14"	9-6937	4.2
	16"	9-6938	5.6
	18"	9-6939	6.4
	20"	9-6940	7.2
	22"	9-6941	8.5
	24"	9-6942	9.8

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.

**CONE**  
(BLACK STEEL)



Product	Description	Part Number	Weight	List Price
	3" x 2"	14 Gauge 6-1185		0.5
	4" x 2"	14 Gauge 6-1186		1.0
	4" x 3"	14 Gauge 6-1187		0.5
	5" x 3"	14 Gauge 6-1188		1.5
	5" x 4"	14 Gauge 6-1189		0.7
	6" x 3"	14 Gauge 6-1190		2.0
	6" x 4"	14 Gauge 6-1130		1.2
	<b>6" x 4"</b>	<b>10 Gauge 6-9747</b>		2.3
	6" x 5"	14 Gauge 6-1191		0.9
	7" x 5"	14 Gauge 6-1192		1.0
	7" x 6"	14 Gauge 6-1193		1.0
	7" x 8"	12 Gauge 6-1194		1.4
	8" x 4"	14 Gauge 6-1131		2.5
	8" x 5"	14 Gauge 6-1195		3.0
	8" x 6"	12 Gauge 6-1132		2.5
	<b>8" x 6"</b>	<b>10 Gauge 6-9748</b>		3.2
	8" x 9"	12 Gauge 6-1196		1.7
	9" x 10"	12 Gauge 6-1197		2.2
	10" x 8"	12 Gauge 6-1133		3.2
	<b>10" x 8"</b>	<b>10 Gauge 6-9749</b>		4.1
	12" x 10"	12 Gauge 6-1138		4.0
	<b>12" x 10"</b>	<b>10 Gauge 6-9750</b>		5.0
	12" x 8"	12 Gauge 6-1198		7.5
	14" x 10"	10 Gauge 6-8100		9.0
	14" x 12"	10 Gauge 6-8101		5.0
	15" x 10"	10 Gauge 9-7690		
	16" x 10"	10 Gauge 9-7689		
	16" x 12"	10 Gauge 6-8102		11.0
	16" x 14"	10 Gauge 6-8103		6.0
	18" x 14"	10 Gauge 6-8104		15.0
	18" x 16"	10 Gauge 6-8105		7.0
	20" x 16"	10 Gauge 6-8106		16.0
	20" x 18"	10 Gauge 6-8107		7.5
	22" x 18"	10 Gauge 6-8108		
	22" x 20"	10 Gauge 6-8109		
	24" x 20"	10 Gauge 6-8110		
	24" x 22"	10 Gauge 6-8111		

**CONE**  
(CAST ALUMINUM)



3" x 2"	Cast Aluminum	6-1125	0.3
4" x 2"	Cast Aluminum	6-1126	0.3
4" x 3"	Cast Aluminum	6-1127	1.5
5" x 4"	Cast Aluminum	6-1128	0.8
6" x 4"	Cast Aluminum	6-1134	1.8
6" x 5"	Cast Aluminum	6-1129	1.0
8" x 4"	Cast Aluminum	6-1135	4.1
8" x 6"	Cast Aluminum	6-1136	2.3
8" x 7"	<b>Aluminum</b>	6-1164	0.2
9" x 8"	<b>Aluminum</b>	6-1165	
10" x 8"	Cast Aluminum	6-1137	4.0
12" x 10"	Cast Aluminum	6-0865	5.0

Fittings

# ECCENTRIC CONES



Product	Description	Part Number	Weight	List Price
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## ECCENTRIC CONE (BLACK STEEL)

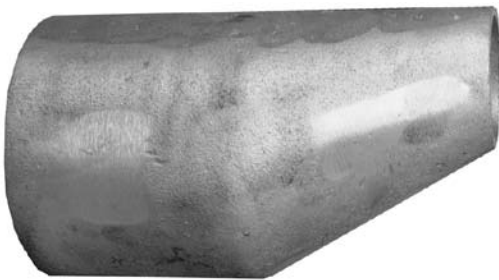


3" x 2"	6-1124	2.3
4" x 2"	6-1139	3.0
4" x 3"	6-1145	2.5
5" x 3"	6-1146	3.8
5" x 4"	6-1147	3.3
6" x 3"	6-1148	5.0
6" x 4"	6-1140	4.3
6" x 5"	6-1149	3.8
8" x 4"	6-1141	10.5
8" x 5"	6-1154	10.0
8" x 6"	6-1142	8.8
10" x 6"	6-1180	14.0
10" x 8"	6-1143	12.5
10" x 12"	6-1144	13.0
12" x 6"	6-1181	15.0
12" x 8"	6-1182	13.5

## ECCENTRIC CONE (CAST ALUMINUM)

2-1/2" x 6"	6-1177	3.3
3" x 8"	6-1178	5.3

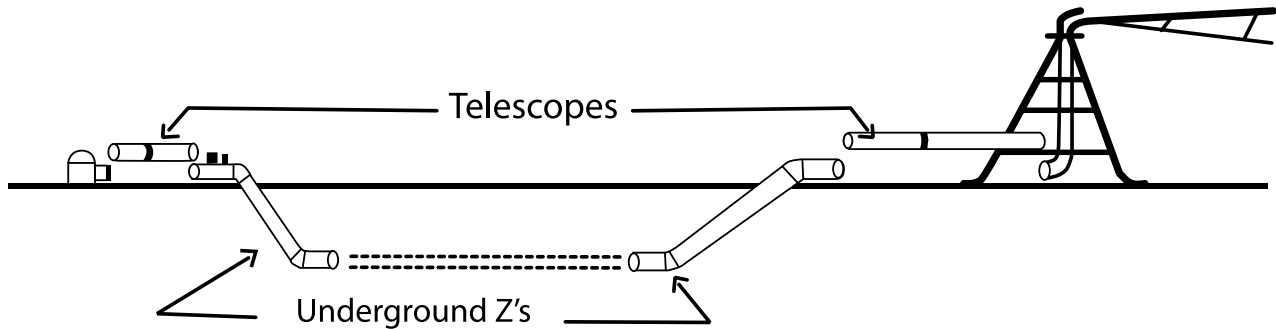
\*Can be cut to fit fabricated size.



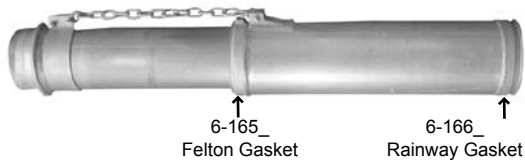
# TELESCOPES & DROP PIPE

Product	Description	Part Number	Weight	List Price
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## TELESCOPE (ALUMINUM)



### RINGLOCK:



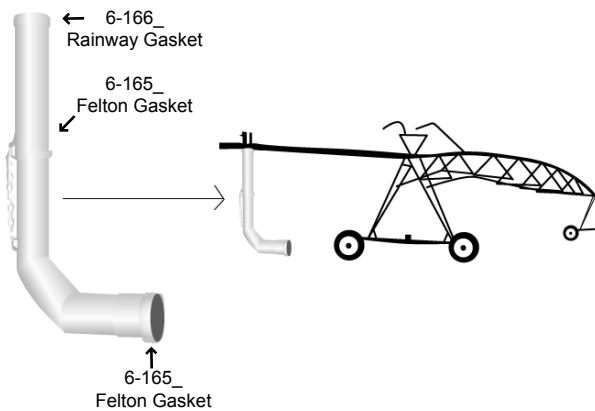
6" x 2-4'	6-1220	15.5
6" x 5-10'	6-1221	26.5
6" x 10-20'	6-1222	44.7
8" x 2-4'	6-1223	20.5
8" x 5-10'	6-1224	33.7
8" x 10-20'	6-1225	55.6
10" x 2-4'	6-1226	21.7
10" x 5-10'	6-1227	37.1
10" x 10-20'	6-1228	62.7

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

**Double Chain Telescopes also available.**

Add Double Chain      DOUBLECHAIN      -

## DROP PIPE (ALUMINUM)



6" x 7-15'	6-1310	32.2
6" to 8" x 7-15'*	6-1320	39.3

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.**

Fittings



# GATE VALVES & BALL VALVES



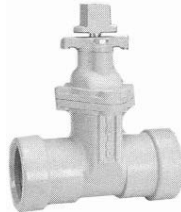
Product	Description	Part Number	Weight	List Price
<b>FLANGED GATE VALVE</b> (CAST IRON)	3"	6-1347	57.0	
	4"	6-1348	94.0	
	5"	6-1349	153.0	
	6"	6-2070	138.0	
	8"	6-2080	213.0	
	10"	6-1350	364.0	
	12"	6-1351	392.0	
	16"	9-7778	1224.0	



<b>FEMALE THREAD GATE VALVE</b> (BRASS)	1/2"	6-1336	0.6	
	3/4"	6-1338	0.8	
	1"	6-1339	1.2	
	2"	6-1340	3.2	
	3"	6-1341	9.9	
	4"	6-1342	17.5	



<b>IPS GASKETED GATE VALVE</b> (CAST IRON)	4" IPS gasketed	6-9717	70.0	
	6" IPS gasketed	6-9718	132.0	
	8" IPS gasketed	6-9719	214.0	



With 2" operation nut

	Handle	Max PSI	GATE VALVE (PVC)	
			Part Number	List Price
4"	Metal	20 psi	9-5323	4.5
6"	Stainless Steel	10 psi	9-5324	16.0
8"	Stainless Steel	10 psi	9-5325	18.0
10"	Stainless Steel	10 psi	9-7691	53.0
12"	Stainless Steel	10 psi	9-7692	55.0



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

**Applications include:**

- Liquids
- Gases
- Dry Bulk/Solids
- Slurry

<b>ELECTRIC ON/OFF HYDRAULIC WAFER VALVE</b>	4"	9-7706	
	6"	9-7707	
	8"	9-7708	



With Solenoid Valve and 3-way Selector  
 -Includes filter, 3-way selector, and solenoid.  
 -120V AC Solenoid Standard  
 -Also available in 12v DC, 12v AC, 24v AC, or 24v DC solenoid.

# GATE VALVES & BALL VALVES

Product	Description	Part Number	Weight	List Price
<b>FEMALE THREAD GATE VALVE</b> (PVC)				
		1/2"	6-1352	0.5
		3/4"	6-1353	0.5
		1"	6-1354	0.7
		2"	6-1355	2.0



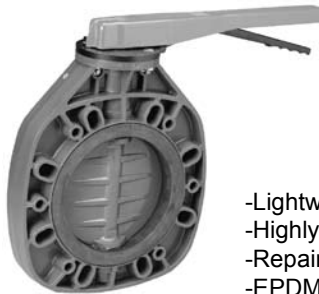
<b>FEMALE THREAD BALL VALVE</b> (BRASS)				
		1/2"	6-1331	0.5
		3/4"	6-1332	0.4
		1"	3-0560	0.8
		2"	6-1333	1.6
		3"	6-1334	13.5
	4"	6-1335	11.6	



<b>FEMALE THREAD BALL VALVE</b> (PVC)				
		1/2"	6-1343	0.2
		3/4"	6-1344	0.4
		1"	6-1345	0.5
		2"	6-1346	1.6
		3"	6-9697	4.7
	4"	6-9698	9.3	



<b>WAFER VALVE - LEVER</b> (PVC)					
			<u>Max Psi</u>		
		2"	150	9-5854	9.0
		3"	150	9-5855	12.0
		4"	150	9-5856	16.0
		6"	115	9-5857	26.0
		8"	115	9-5858	43.0
	10"	115	9-5859	30.0	



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

<b>WAFER VALVE - GEAR</b> (PVC)					
			<u>Max Psi</u>		
		4"	150	9-5860	11.0
		6"	115	9-5861	15.0
		8"	115	9-5862	31.0
	10"	115	9-5863	38.0	




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

Fittings


# WAFER BUTTERFLY VALVES



Product	Description	Part Number	Weight	List Price
<b>WAFER VALVE - LEVER</b> 	<u>DUCTILE IRON DISC</u>			
	2"	9-7495	8.6	
	2-1/2"	9-7496	9.0	
	3"	9-7497	11.5	
	4"	9-7501	12.9	
	5"	9-7502	26.0	
	6"	9-7503	17.0	
	* 8"	9-7504	32.4	
	* 10"	9-7505	48.0	
	* 12"	9-7506	76.0	
	<u>STAINLESS STEEL DISC</u>			
	2"	8-1351	8.6	
	2-1/2"	8-1352	9.0	
	3"	8-1353	11.5	
4"	6-2050	12.9		
5"	6-2055	26.0		
6"	6-2051	17.0		
* 8"	6-2052	32.4		
* 10"	6-2053	48.0		
* 12"	6-2054	76.0		

-Max 160 psi

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

<b>WAFER VALVE - GEAR</b> 	<u>DUCTILE IRON DISC</u>			
	2"	9-7498	17.0	
	2-1/2"	9-7499	18.0	
	3"	9-7500	18.0	
	4"	9-7507	21.0	
	5"	9-7508	25.0	
	6"	9-7509	31.3	
	8"	9-7510	41.5	
	10"	9-7511	68.0	
	12"	9-7512	100.0	
	14"	9-7513	134.0	
	16"	9-7514	190.0	
	18"	9-7515	240.0	
	20"	9-7516	395.0	
	24"	9-7517	525.0	
	30"	9-7649		
	36"	9-7650		
	<u>STAINLESS STEEL DISC</u>			
	2"	8-1354	17.0	
	2-1/2"	8-1355	18.0	
3"	8-1356	18.0		
4"	6-2056	21.0		
5"	6-2057	25.0		
6"	6-2058	31.3		
8"	6-2059	41.5		
10"	6-2060	68.0		
12"	6-2061	100.0		
14"	8-1205	122.0		
16"	8-1206	190.0		
18"	8-1207	240.0		
20"	8-1208	395.0		
24"	8-1209	525.0		

-Max 160 psi

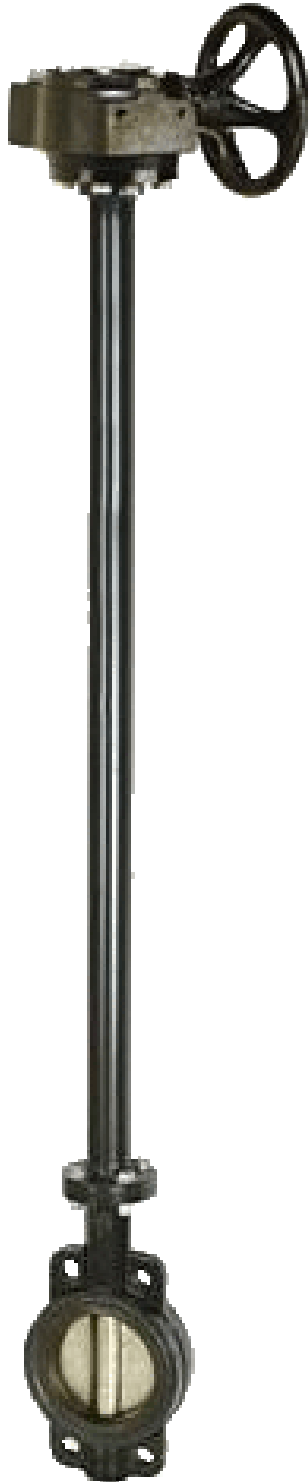
## Features:

- Perfect Shut Off liquid and gas in both directions
- Economic Alternatives to gate, ball and plug valves
- Corrosion Free - Stems and body are not in contact with the line media. Bodies are protected with epoxy coating.
- No Flange Gaskets for installation
- Self centering disc by axial movement due to the floating coupling
- Compact light weight wafer design (Flangeless Lug and U-Section)
- Anti Blow Out Stem - The upper stem is fully retained by the retainer plate under pressure in unlikely event of primary seal fail.
- Easy replaceable seat without any special tools
- Easy installation for each type of actuators; manual, pneumatic, hydraulic and electric
- Wide range of material for various conditions
- Maintenance Free
- Minimal flow loss and turbulence
- Reliable for flow control
- Self Cleaning

# WAFER BUTTERFLY VALVES

Product	Description	Part Number	Weight	List Price
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## WAFER VALVE W/EXT GEAR



### DUCTILE IRON DISC

Valve Size	Extension Length	Part Number	Weight	List Price
4"	24"	6-9882	29.0	
4"	36"	6-9883	32.0	
4"	48"	6-9884	35.0	
4"	60"	6-9885	38.0	
4"	72"	6-9886	41.0	
6"	24"	8-1380	45.0	
6"	36"	8-1381	48.0	
6"	48"	8-1382	51.0	
6"	60"	8-1383	55.0	
6"	72"	8-1384	59.0	
8"	24"	8-1385	55.0	
8"	36"	8-1386	58.0	
8"	48"	8-1387	61.0	
8"	60"	8-1388	65.0	
8"	72"	8-1389	69.0	
10"	24"	8-1390	75.0	
10"	36"	8-1391	78.0	
10"	48"	8-1392	81.0	
10"	60"	8-1393	85.0	
10"	72"	8-1394	89.0	
12"	24"	8-1395	87.0	
12"	36"	8-1396	90.0	
12"	48"	8-1397	93.0	
12"	60"	8-1398	97.0	
12"	72"	8-1399	101.0	
14"	24"	9-7375	153.4	
14"	36"	9-7376	158.9	
14"	48"	9-7377	164.4	
14"	60"	9-7378	169.9	
14"	72"	9-7379	175.2	
16"	24"	9-7380	212.5	
16"	36"	9-7381	219.6	
16"	48"	9-7382	226.4	
16"	60"	9-7383	233.5	
16"	72"	9-7384	240.3	

### STAINLESS STEEL DISC

Valve Size	Extension Length	Part Number	Weight	List Price
4"	24"	9-7360	31.6	
4"	36"	9-7361	35.1	
4"	48"	9-7362	38.4	
4"	60"	9-7363	41.8	
4"	72"	9-7364	45.1	
6"	24"	9-7365	39.4	
6"	36"	9-7366	43.1	
6"	48"	9-7367	46.7	
6"	60"	9-7368	50.4	
6"	72"	9-7369	53.9	
8"	24"	9-7370	61.7	
8"	36"	9-7371	65.7	
8"	48"	9-7372	69.6	
8"	60"	9-7373	73.8	
8"	72"	9-7374	77.8	
10"	24"	9-7350	76.0	
10"	36"	9-7351	80.7	
10"	48"	9-7352	85.1	
10"	60"	9-7353	89.7	
10"	72"	9-7354	94.3	
12"	24"	9-7355	131.4	
12"	36"	9-7356	136.9	
12"	48"	9-7357	142.4	
12"	60"	9-7358	147.9	
12"	72"	9-7359	153.2	


\* 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

Product	Description	Part Number	Weight	List Price
<b>WAFER VALVE - 2" SQ NUT</b> (STAINLESS STEEL DISC) 	2"	6-9630	17.0	
	2-1/2"	6-9631	18.0	
	3"	6-9632	18.0	
	4"	6-9633	22.0	
	5"	6-9634	26.0	
	6"	6-9635	37.0	
	8"	6-9636	44.0	
	10"	6-9637	62.0	
	12"	6-9638	77.0	

## WAFER VALVE - ELECTRIC



### DUCTILE IRON DISC

2"	9-7474	32.0
2-1/2"	9-7475	33.0
3"	9-7476	33.0
4"	9-7477	39.0
5"	9-7478	42.0
6"	9-7479	59.0
8"	9-7480	68.0
10"	9-7481	90.0
12"	9-7482	105.0

### STAINLESS STEEL DISC

2"	6-8082	32.0
2-1/2"	6-8083	33.0
3"	6-8084	33.0
4"	6-8085	39.0
5"	6-8086	42.0
6"	6-8087	59.0
8"	6-8088	68.0
10"	6-8089	90.0
12"	6-8090	105.0

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

## LEVER HANDLE - WAFER VALVE



2"/3"	9-7779
4"	9-7780
5"/6"	9-7781
8"	9-7782
10"	9-7783
12"	9-7784

\* Specify make of valve when ordering

## INDEX PLATE - WAFER VALVE



2"/3"	9-7785
4"/5"/6"	9-7786
8"/10"/12"	9-7787

\* Specify make of valve when ordering

## HAND WHEEL - WAFER VALVE



2"/3"	9-7788
4"	9-7789
5"/6"	9-7790
8"	9-7791
10"	9-7792
12"/14"	9-7793

\* Specify make of valve when ordering

## GEARBOX WITH WHEEL - WAFER VALVE



2"/3"	9-7820
4"	9-7821
5"/6"	9-7822
8"	9-7823
10"	9-7824
12"/14"	9-7825

\* Specify make of valve when ordering

Product	Description	Part Number	Weight	List Price
<b>ALFALFA VALVE STUB</b> (FOR PIP PVC PIPE)	*6"	6-2102	19.0	
	8"	6-2103	29.0	
	10"	6-2104	40.0	
	12"	6-2105	55.0	



\* Solid Arch  
\* Spigot for PIP PVC Pipe

<b>UNIVERSAL HYDRANT</b>	6" x 6"	6-2106	16.0
	8" x 8"	6-2107	23.0
	10" x 10"	6-2108	32.0
	12" x 12"	6-2109	34.0




Call for other sizes.

THREADED STEM GATE VALVE (BRASS)			Max PSI		
	4"	Threaded*	6-9890	45	20.9
	6"	Threaded*	6-9891	37	26.9

\* 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.

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

FLANGED STEM GATE VALVE (BRASS)			Max PSI		
	4"	4-Bolt Flange*	9-5472	45	19.4
	6"	4-Bolt Flange*	9-5473	37	23.4
	8"	4-Bolt Flange*	9-5474	22	46.4

\* 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.


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

**O-Ring Gasket**

4", 6"	9-6970
8"	9-6971

<b>HANDLE - STEM GATE VALVE</b>	4"	9-6972	
	6"	9-6973	6.4
	8"	9-6974	



THREADED LEVER GATE VALVE (BRASS)			Max PSI	
	2"	9-7702	45	4.0
	3"	9-7703	45	9.0
	4"	9-7704	45	15.0
	6"	9-7705	22	27.0

Fittings

# LOW PRESSURE VALVES



Product	Description	Part Number	Weight	List Price
<b>LOW PRESSURE VALVE</b> (ALUMINUM)				
		6"	6-1460	10.0
		8"	6-1461	15.0
		10"	6-1462	20.0
		12"	6-8028	

45 psi max pressure

<b>LOW PRESSURE END TEE VALVE</b> (ALUMINUM)				
		6"	6-1301	21.0
		8"	6-1302	27.0
		10"	6-1303	34.0


<b>LOW PRESSURE VALVE</b> (PVC)				
		6"	6-1356	
		8"	6-1357	
		10"	6-1358	
		12"	6-1359	

<b>LOW PRESSURE VALVE KIT</b>				
		6"	6-1473	
		8"	6-1474	9.9
		10"	6-1475	

\* Instructions included

<b>RUBBER MOLDED DISC</b> (FOR LOW PRESSURE VALVE)				
		6"	6-1013	4.0
		8"	6-1014	
		10"	6-1367	6.2

<b>RUBBER WASHER</b> (FOR LOW PRESSURE VALVE)				
		5/8"	6-1015	

Product	Description	Part Number	Weight	List Price
<b>SURGE GATE VALVE</b> 				
		6"	6-1505	39.0
		8"	6-1506	46.0
		10"	6-1507	58.0

**SWING CHECK VALVE - FPT**  
(BRASS)



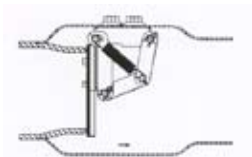
Female Threaded 3" 8-1330 7.3

**RINGLOCK CHECK VALVE**



6" 6-1470 35.9  
8" 6-1471 55.0  
10" 6-1472 79.9

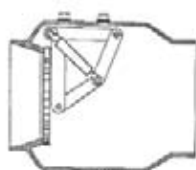
**CHECK VALVE - WELD ON**  
(BLACK STEEL)



4" 6-1463 12.0  
5" 6-1464 15.0  
6" 6-1465 16.2  
8" 6-1466 28.2  
10" 6-1467 41.6  
12" 6-1468

\*Galvanized or Epoxy-coated available at a nominal charge.

**CHECK VALVE - WELD ON**  
(CAST ALUMINUM)




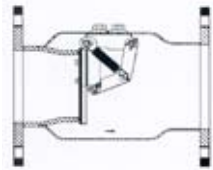
4" 6-9682 5.1  
5" 6-9683 6.9  
6" 6-9684 9.3  
8" 6-9685 14.5  
10" 6-9686 19.7

Fittings



# CHECK VALVES



Product	Description	Part Number	Weight	List Price
<b>FLANGED CHECK VALVE</b> (GALVANIZED STEEL)  	4"	6-1710	27.0	
	5"	6-1711	29.0	
	6"	6-1712	34.1	
	8"	6-1713	56.6	
	10"	6-1714	73.0	
	12"	6-9751	140.0	
	14"	8-1346	220.0	
	16"	8-1347	325.0	
	20"	8-1348	400.0	
	22"	8-1349	638.0	
	24"	8-1350		

## FLANGED CHECK VALVE (CAST ALUMINUM)



4"	6-9687	13.5
5"	6-9688	17.3
6"	6-9689	21.9
8"	6-9690	30.6
10"	6-9691	44.3

## WAFER CHECK VALVE (CAST IRON)



### DUCTILE IRON DISC

2"	9-7483	3.0
2 1/2"	9-7484	4.0
3"	9-7489	4.6
4"	9-7490	8.2
6"	9-7491	18.0
8"	9-7492	32.0
10"	9-7493	53.4
12"	9-7494	75.5
16"	9-7485	200.0
18"	9-7486	
20"	9-7487	400.0
24"	9-7488	500.0

### STAINLESS STEEL DISC

2"	8-1400	3.0
2 1/2"	8-1401	4.0
3"	6-1770	4.6
4"	6-1771	8.2
6"	6-1772	18.0
8"	6-1773	32.0
10"	6-1774	53.4
12"	6-1775	75.5
16"	8-1402	200.0
18"	8-1403	300.0
20"	8-1404	400.0
24"	8-1405	500.0

Product	Description	Part Number	Weight	List Price
<b>WELD -ON COMBO VALVE</b> (GALVANIZED STEEL)	4"	6-1480	18.0	
	6"	6-1481	25.0	
	8"	6-1482	55.0	
	10"	6-1483	77.0	
	12"	6-1700	108.0	



130 maximum psi

**HOOK STYLE COMBO VALVE**  
(GALVANIZED STEEL)

3"	6-1477	16.0
4"	6-1478	18.0
6"	6-1479	26.0
8"	6-1493	65.0



130 maximum psi

**RINGLOCK COMBO VALVE**  
(GALVANIZED STEEL)

4"	6-1476	17.0
6"	6-1484	27.0
8"	6-1485	58.0
10"	6-1486	88.0
12"	6-1701	120.0



130 maximum psi

**FLANGE COMBO VALVE**  
(GALVANIZED STEEL)

6"	6-1487	47.0
8"	6-1488	85.0
10"	6-1489	113.0
12"	6-1702	166.0



130 maximum psi

**COMBO VALVE PARTS**



<b>Disc:</b>	4"	9-7770	
	6"	6-1490	5.3
	8"	6-1491	7.8
	10"	6-1492	9.8
	12"	9-7771	
<b>Packing Ring Set:</b>	4"-6"	2-pieces /set	9-6815
	8"-12"	2-pieces /set	9-6816
<b>Packing Nut:</b>	4"-6"		9-7768
	8"-12"		9-7769
<b>Handle:</b>	4"		9-7764
	6"		9-7765
	8"-10"		9-7766
	12"		9-7767
<b>Hinge Pin:</b>	4"		9-7772
	6"		9-7773
	8"-10"		9-7774
	12"		9-7775

Fittings

# INLINE VALVE



Product	Description	Part Number	Weight	List Price
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## RINGLOCK INLINE VALVE (GALVANIZED STEEL)



6"	6-1440	19.0
8"	6-1441	29.0
10"	6-1442	43.0

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

## HOOK STYLE INLINE VALVE (GALVANIZED STEEL)



4"	6-1450	14.0
5"	6-1458	15.8
6"	6-1451	24.0
8"	6-1452	35.0
10"	6-1459	41.0

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

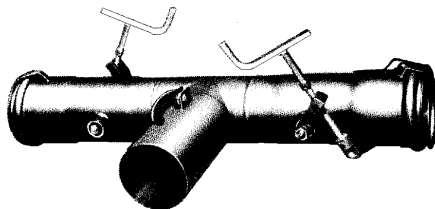
## WELD-ON INLINE VALVE (GALVANIZED STEEL)



4"	6-1453	12.0
5"	6-1454	13.5
6"	6-1455	20.0
8"	6-1456	31.0
10"	6-1457	36.0

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

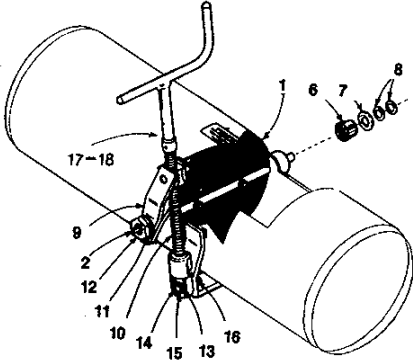







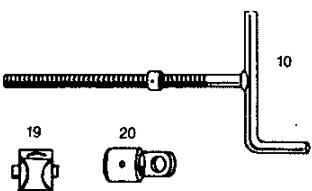
## HOOK STYLE INLINE VALVE TEE (GALVANIZED STEEL)



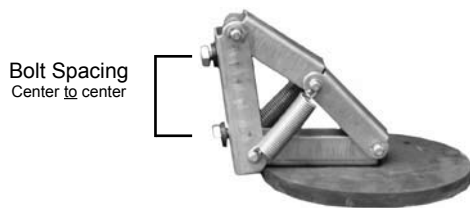
4"	6-1443	26.0
5"	6-1444	33.0
6"	6-1445	47.0
8"	6-1446	56.0

\*Also available in Ringlock  
\*Also available in Line Valve Tees.

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

Product	Description	Part Number	Weight	List Price
        	<b>Disc</b>	4" 1 5" 1 6" 1 8" 1 10" 1	6-1495 6-1496 6-1497 6-1498 6-1499	2.3 4.1 5.0
	<b>Shaft</b>	4" 2 5" 2 6" 2 8" 2 10" 2	6-4250 6-4251 6-4252 6-4253 6-4254	
	<b>Hex Bolt (req 2, 3 for 10")</b>	4"-5" 3 6"-8" 3 10" 3	6-4255 6-4256 6-4257	
	<b>Washer (Req 2)</b>	4"-5" 4 6"-8" 4	6-4258 6-4259	
	<b>Hex Nut (Req 2)</b>	4"-5" 5 6"-8" 5	6-4260 6-4261	
	<b>Chevron Gasket (Req 2)</b>	4"-5" 6 6"-8"-10" 6	6-4262 6-4263	
	<b>Washer Reducer (Req 2)</b>	4"-5" 7 6"-8"-10" 7	6-4264 6-4265	
	<b>Retainer Ring (Req 4)</b>	4"-5" 8 6"-8"-10" 8	6-4266 6-4267	
	<b>Arm Linkage (req 2)</b>	9	6-4268	0.2
	<b>Crank Assembly (includes 10, 17, 18, 19, 20)</b>		6-4269	
	<b>Washer, Star</b>	11	6-4270	
	<b>Jam Nut</b>	12	6-4271	0.1
	<b>Ferrule SS</b>	13	6-4272	
	<b>Hex Bolt, Eg.</b>	14	6-4273	
	<b>Washer SAE</b>	15	6-4274	
	<b>Hex Nut, 3/8"</b>	16	6-4275	
	<b>Collar (req 2)</b>	17	6-4276	
	<b>Roll Pin (req 2)</b>	18	6-4277	
	<b>Stem &amp; Handle</b>	10	6-4278	
	<b>Thrust Nut</b>	19	6-4279	
<b>Yoke</b>	20	6-4280	0.4	

### PLATE & SPRING ASSEMBLY



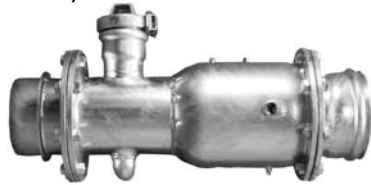
Bolt Spacing		Part Number	Weight	List Price
4"	1-1/8"	6-1736		
4"	2"	6-1738		
4"	2-1/2"	9-6916		
5"	2-1/4"	6-1737		
5"	2-1/2"	9-6917		
6"	2-5/32"	6-1733	3.4	
6"	2-1/2"	6-1500	5.0	
6"	3-1/2"	9-5425	5.0	
8"	3"	6-1501	10.0	
8"	3-1/2"	6-1731	4.1	
10"	3-1/2"	9-5427	14.0	
10"	4-1/4"	6-1735	6.8	
10"	4-1/2"	6-1502	14.0	
12"	4-1/4"	9-7660		
12"	4-1/2"	9-7661		
<b>Springs Only</b>	4"	9-7550		
	6"	9-7551		
	8"	9-7619		
	10"	9-7552		

Fittings

# CHEMIGATION VALVES FERTILIZER ACCESSORIES



Product	Description	Part Number	Weight	List Price
<b>RINGLOCK CHEMIGATION VALVE</b> (GALVANIZED STEEL)	4"	9-6826	47.2	
	6"	6-1401	75.0	
	8"	6-1402	100.7	
	10"	6-1403	140.9	
	12"	9-6829	184.8	



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

## FLANGE X COUPLER CHEMIGATION VALVE

(GALVANIZED STEEL)

4"	9-6824	38.8
6"	6-1360	63.0
8"	6-1361	83.3
10"	6-1362	118.8
12"	9-6827	142.7



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

## FLANGED CHEMIGATION VALVE

(GALVANIZED STEEL)

4"	9-6825	30.4
6"	6-1370	46.0
8"	6-1371	61.0
10"	6-1372	86.0
12"	9-6828	100.5



Includes: 2" ARV, & flange gaskets

## FLANGE ADAPTERS

(GALVANIZED STEEL)



4" Flange x FRL	9-6830	8.6
6" Flange x FRL	6-6450	12.1
8" Flange x FRL	6-6451	17.4
10" Flange x FRL	6-6449	22.1
12" Flange x FRL	6-6448	32.0
4" Flange x MRL	9-6831	8.6
6" Flange x MRL	6-6459	12.1
8" Flange x MRL	6-6549	17.4
10" Flange x MRL	6-6458	22.1
12" Flange x MRL	6-6457	32.0

## INJECTION VALVE

(PVC-MISTER MIST'R)

6-1523 0.1



\* 3/4" Male Pipe Thread

\*15 psi release is standard (optional 9, 25, 65 or 80 psi available.)

**Product Description Part Number Weight List Price**

**BOLT-ON WATER METER**



	<u>Drill Size</u>	<u>GPM</u>		
4" OD / PIP	4"	50-900	6-1930	18.0
6" OD / PIP	5"	90-1800	6-1931	22.0
8" OD / PIP	5-1/8"	100-2250	6-1932	26.0
10" OD / PIP	6"	0-2700	6-1933	30.0
12" OD / PIP	7"	0-4000	6-1934	34.0

-Above include an overrun bearing.  
-State wall thickness & O.D. when ordering.  
-+ or - 2% Accuracy  
(12ga = .072, .064)

**BOLT-ON WATER METER  
(REVERSE IMPELLER)**



4"	8-1431	14.0
6"	8-1432	19.0
8"	8-1433	23.0
10"	8-1434	26.0
12"	8-1435	30.0

For Liquid waste manure  
or other surface water application

-Above include an overrun bearing.  
-State wall thickness & O.D. when ordering.  
-+ or - 2% Accuracy  
(12ga = .072, .064)

**THREADED WATER METER**



3/4"	6-9693	4.3
1"	6-9694	5.0
1-1/2"	6-9695	11.0
2"	6-9696	20.0

Included are 2 female thread couplings

**WATER METER FLOW TUBE  
(ALUMINUM)**



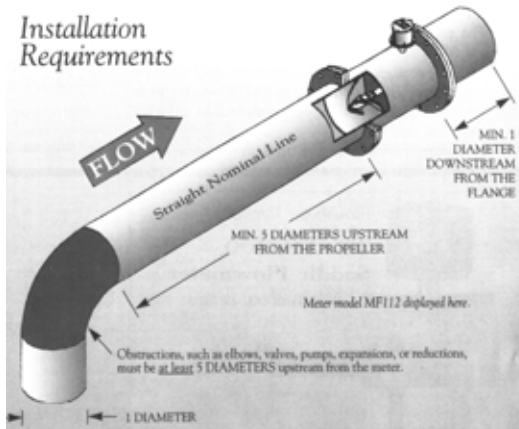
<u>Ringlock (M x F):</u>	<u>Ring-Ring</u>	
4"	5'	9-5295
6"	6.5'	9-5296
8"	8'	9-5297
10"	10'	9-5298

<u>Flange x Flange:</u>	<u>Flg -Flg</u>	
4"	5'	9-5299
6"	6.5'	9-5300
8"	8'	9-5301
10"	10'	9-5302

- Includes straightening vanes  
- Call for Custom configurations

Fittings

Product	Description	Part Number	Weight	List Price
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**Without Straightening Vanes:**

Install at least **10** times the diameter downstream from butterfly valves, elbows, cooling coils, tees, reducers, increasers, & other obstructions.

**With Straightening Vanes:**

Install at least **5** times the diameter downstream from butterfly valves, elbows, cooling coils, tees, reducers, increasers, & other obstructions.

**Jetting Flows:**

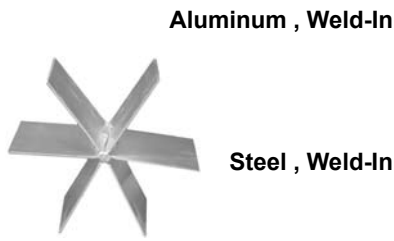
Check, Chemigation, and Combo valves create jetting flows inside the pipe that require a straightening vane and meter installation **10** times the diameter down stream from the valve.

**Reverse Impeller Meters:**

Reverse Impeller Meters require Bolt-on Vanes which allows for the passage of grass, debris and other solids. Upstream requirements are the same as listed above. The center of the meter hole has to be two pipe diameters from the end of the pipe to the end of the impeller, plus 16 inches.

Example: (10" Pipe x 2 diameters = 20") + 16" = 36" from end of pipe to center of the meter hole.

## STRAIGHTENING VANES (FOR WATER METERS)



Aluminum , Weld-In

Steel , Weld-In

OD Pipe Size

4"	9-6868	
6"	9-6869	0.6
8"	9-6870	
10"	9-6867	

OD Pipe Size

4"	9-6877	
6"	9-6878	
8"	9-6879	
10"	9-6876	



Steel , Bolt-On (Three per Set)

OD Pipe Size

4"	9-6873	
6"	9-6874	
(Stainless Steel) 8"	9-6875	
10"	9-6871	
12"	9-6872	

## STRAIGHTENING VANE (FLOW STRAIGHTENER) (STAINLESS STEEL)



OD Pipe Size

6"	9-6880	
8"	9-6881	
10"	9-6882	

IPS Pipe Size

6"	9-6883	
8"	9-6884	
10"	9-6885	

\* 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.

Product	Description	Part Number	Weight	List Price
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See us for all of your replacement pivot parts needs such as: pressure regulators, end guns, booster pumps, U-Joints, gear boxes, center drives, drops, goosenecks, hose, micro-switches, electrical, wheels & tires.

## DRIVE COUPLER ASSEMBLY



1" round x 1" square (Old Style Valley, Gifford Hill)	6-1531	2.5
1" round x 7/8" square (New Style Valley)	6-1532	2.5
1" round x 3/4" square (Gifford Hill, Olson, Lindsay, Electrogator)	6-1533	2.5
1" round w/kw x 3/4" square (Old Style Lockwood)	6-1534	2.5
1" round w/kw x 1" square (New Style Lockwood)	8-1422	2.5
1 1/8" round x 3/4" square	8-1423	2.5
1 1/8" round x 1" square (Gifford Hill)	8-1424	2.5

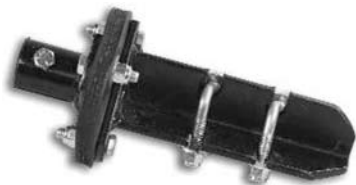


Puck Only	2-0046	-
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Features:

1. Clover leaf style with live rubber insert absorbs shock and reduces wear on driveline 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 COUPLING (PAINTED STEEL)



Small Disc, Mini, 3/4" to 1-1/8"	9-7848	-
Large Disk, Regular, 3/4" to 1"	9-7849	-

Features:

1. The rubber disc absorbs shock from gear motors to wheel drive.
2. The ends can be ordered to fit most any center pivot drive line.
3. The round end is split for easy installation and a tight fit.
4. The disc design allows for some misalignment on the drive line.
5. The units are Made in the USA using top materials.

## PIVOT DRAINS

### Quick Drain

Lindsay Type, 20-75 psi	2-1183	-
Lindsay Type, 5-30 psi	2-1184	-

### Drain Valve

Star, Plastic	--	--
Star, Metal	2-1182	--



Plastic





Metal





# CENTER PIVOT PARTS



Product	Description	Part Number	Weight	List Price
<b>PIVOT RUBBER BOOT</b> 	4 PLY			
	6 5/8" x 16" long	7.01" OD 6-1535	3.5	
	6 5/8" foot	7.01" OD 6-9580	-	
	7" x 16" long	2-1270	-	
	8" x 12" long	2-1271	-	
	8-5/8" x 16" long	2-1272	-	
	2 PLY			
	6"/foot	6.38" OD 6-9576	2.2	
	6 5/8"/foot	7.01" OD 6-9577	2.9	
	8"/foot	8.46" OD 6-9578	5.1	
10"/foot	10.63" OD 6-9579	-		



<b>PIVOT CLAMP</b> 	4-1/2" Stainless Steel	2-1275	-
	5" Stainless Steel	2-1276	-
	6" Stainless Steel	2-1278	-
	6 5/8" Stainless Steel	6-1536	0.5
	7" Stainless Steel	2-1279	-
	8" Stainless Steel	6-9581	0.2
	8-5/8" Stainless Steel	2-1280	-
	9" Stainless Steel	--	-
	10" Stainless Steel	2-1281	-

<b>PIVOT FLANGE GASKET</b> 	5-9/16"	2-1317	-
	6" (5" id x 8" od)	9-5436	-
	6-5/8" (6-5/8" id x 8" od)	9-5437	-
	8", Lindsay Style	2-1319	-

<b>PIVOT WEIGHT</b> 	15" Polyethylene	6-9548	1.0
	20" Polyethylene	6-9549	1.4
	24" Polyethylene	6-9550	1.5
	30" Polyethylene	6-9551	2.0
	10" PVC (w/ fpt xfpt)	6-9552	2.0
	11" PVC (w/ fpt xfpt)	6-9553	2.0
	13.75" PVC (w/ fpt xfpt)	6-9554	2.5
	16.5" PVC (w/ fpt xfpt)	6-9555	3.1

- Ends of pipe are rounded for attractive appearance and functionality  
 - Strong UV inhibitors added to weight for longevity


<b>PIVOT DROP ELBOW</b> 	<b>Single, Steel Galv:</b>		
	3/4", MxF	6-6701	-
	3/4" MxM	2-1412	-
	<b>Single, PVC:</b>		
	125 Degree, 3/4" FPT x Barb	2-1086	-
	125 Degree, 3/4" FxM	2-1088	-
	180 Degree, 3/4" FPT x Barb	--	-
	180 Degree, 3/4" MXF	2-1418	-
	180 Degree, 3/4" MXM	2-1417	-
	180 Degree, 3/4" MPT x Barb	2-1419	-

	<b>Double, PVC:</b>		
	125 Degree, 3/4" FPT x Barb	--	-
	125 Degree, 3/4" FxM	2-1408	-


PVC, Single

PVC, Double


- U Pipes have 6" radius  
 - M x M configuration is available  
 - PVC Drop Elbow has strong UV inhibitors for year round use.

Product	Description	Part Number	Weight	List Price
<b>DROP RISER</b> (GALVANIZED STEEL)		Galvanized:		
		24"	--	--
		30"	--	--
		36"	--	--
		42"	--	--
		48"	--	--
		54"	--	--
		60"	--	--
		66"	--	--
		72"	--	--
		78"	--	--
		84"	--	--
		90"	--	--
		96"	--	--
102"	--	--		
108"	--	--		
114"	--	--		
120"	--	--		


- 3/4" MPT x 3/4" FPT


<b>DROP RISER</b> (POLYETHYLENE)		Poly PVC:		
		24"	--	--
		30"	2-1436	--
		36"	2-1437	--
		42"	2-1438	--
		48"	2-1439	--
		54"	2-1440	--
		60"	2-1441	--
		66"	2-1442	--
		72"	2-1443	--
		78"	2-1444	--
		84"	2-1445	--
		90"	2-1446	--
		96"	2-1447	--
102"	2-1448	--		
108"	--	--		
114"	--	--		
120"	--	--		

- 3/4" MPT x 3/4" FPT  
 - 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.

<b>END GUN BOOSTER PUMP</b> (MOTOR & PUMP)		2-HP, 130 GPM	2-1106	-
		(2-1/2" Suction x 2" Discharge)		

- All Parts are interchangeable with Berkeley Model #C2MPS  
 - With Leeson 2-HP (TEFC) 3-phase Motor, 460 volt

<b>END GUN BOOSTER PUMP</b> (COMPONENTS)		Volute Case	2-1115	-
		Motor Bracket	2-1111	-
		Cast iron Impeller	2-1113	-
		Brass Impeller	2-1559	-
		Stainless Steel Impeller	2-1560	-
		Motor Bracket Gasket	2-1110	-
		Volute Gasket	2-1114	-
		Impeller Spacer	2-1561	-
		Mechanical Seal	2-1112	-
		Motor Only, 2-HP, 3-Phase, 460V	2-1118	-

<b>PIVOT END GUN VALVE</b>		3/4"	9-7651	
		1"	9-7652	
		2"	9-7653	
		2" 90°	9-7654	

\* Includes automatic drain and plug.

Fittings

# CENTER PIVOT PARTS



Product	Description	Part Number	Weight	List Price
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## UNIVERSAL DRIVE GEAR BOX (NON-TOW)



52:1 Gearbox, Valley Style	2-1341	-
50:1 Gearbox, Universal	2-0197	-

**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

## HELICAL GEAR MOTORS



34 RPM, 50:1, 3/4 HP	2-0206	-
43 RPM, 40:1, 3/4 HP	2-0205	-
68 RPM, 25:1, 1-1/2 HP	2-0204	-
86 RPM, 20:1, 1-1/2" HP	2-0203	-

**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.

## STATOR ASSEMBLIES



3/4 Horse Power	2-0207	-
1-1/2 Horse Power	2-0208	-

**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.

## PIVOT TIRE, MACH II (FIBERGLASS)



Tire Only

	11.2 x 24	9-7560	76.0
For 8" Rim	14.9 x 24	9-7561	90.0
For 10" Rim	14.9 x 24	9-7562	96.0
	11.2 x 38	9-7563	96.0

Tire & Rim

With 8" Rim	11.2 x 24	9-7564	180.0
With 8" Rim	14.9 x 24	9-7565	195.0
With 10" Rim	14.9 x 24	9-7566	205.0
With 10" Rim	11.2 x 38	9-7567	270.0

**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

Product	Description	Part Number	Weight	List Price
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## DRIVE LINE COUPLING BELL ENDS & DRIVE SHAFT SHIELDS



Bell end, Black, 7/8"	2-0287	-
Bell end, Grey, 3/4"	2-0286	-
Cover, Grey, 7/8" (Specify Length)	--	-
Cover, Black, 3/4" (Specify Length)	--	-

**Features**

1. Durable, high quality plastic drive coupler shields (bell end) will not crack like the competition, Made in USA
2. Color coded based on the drive shaft size. Black bell end for 3/4" and Grey for 7/8".
3. Drive shaft shields are also color coded for easy identification. Black for 3/4" and Grey for 7/8" drive shafts
4. Clamps are not needed to hold the bell ends and shaft covers in place.
5. The units are Made in the USA using top materials.
6. Drive shaft covers are available in custom lengths, please specify.

## GEARMOTOR



58:1 ratio, 30 RPM, 1 HP motor	2-0221	-
47:1 ratio, 37 RPM, 1 HP motor	2-0224	-
39:1 ratio, 45 RPM, 1 HP motor	2-0220	-
31:1 ratio, 56 RPM, 1-1/2 HP motor	2-0223	-
21:1 ratio, 84 RPM, 1-1/2 HP motor	2-0222	-

**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.

## MOTOR



1 HP, 460/380 Volt, 60/50 hz	--
1-1/2 HP, 460/380 Volt, 60/50 hz	--

**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.

## GEAR BOX




58:1 ratio, 30 RPM	2-0240	-
47:1 ratio, 37 RPM	2-0239	-
39:1 ratio, 45 RPM	2-0238	-
31:1 ratio, 56 RPM	2-0235	-
21:1 ratio, 84 RPM	2-0234	-

**Features**

1. Splined design for the motor/gearbox connection.
2. Aluminum gearbox case.

Fittings

# CENTER PIVOT PARTS

Product	Description	Part Number	Weight	List Price
<b>NEMA C56 MOTOR</b> 	1 HP, 1800 RPM, US Motor	2-0262	-	
	1-1/2 HP, 1800 RPM, Franklin Motor	2-0261	-	
<b>Features</b> 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				

## NEMA C56 MOTOR, GE MOTORS



1 HP, 1725 RPM	2-0258	-
1-1/2 HP, 1725 RPM	2-0259	-

- Features**
- Totally enclosed fan cooled design.
  - Bearings are double sealed and grease packed.
  - Class F insulation.
  - Motor is thermally protected
  - Heavy duty plastic cooling shroud and fan cover are corrosion resistant.

## UNIVERSAL NEMA C56 CENTER DRIVE GEARBOX



30:1 ratio	2-0251	-
40:1 ratio	--	-
50:1 ratio	2-0252	-
60:1 ratio	2-0253	-

- Features**
- Universal mounting pattern.
  - Multiple available ratios available.
  - Aluminum gearbox housing.
  - Includes keyway coupling for the motor to gearbox connection.
  - Includes 2 seal savers for the output shafts.
  - High strength aluminum bronze bull gear.

## PIVOT OR END TOWER LIGHT KIT



Rough duty light bulb kit, Complete	2-0536	-
TOMAR Strobe light kit, Complete	2-0538	-
Globe and pendant, 3/4" Fem	2-0549	-
Globe and pendant, 1/2' Fem	2-0550	-
Rough Duty Light, 75 watt	2-0547	-
Screw in Strobe Light (Red, Green, Amber, Blue, Clear)	2-0543	-

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.

Product	Description	Part Number	Weight	List Price
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## R3000 ROTATOR®



R3000 Rotator Complete

2-1037

\* Indicate 31 N Nozzle Size and Plate type when ordering.  
 \* The Orange Plate is considered the corn plate.

## A3000 ACCELERATOR



A3000 Accelerator Complete

2-1050

\* Indicate 3TN Nozzle Size and Plate type when ordering.

## D3000 SPRAYHEAD



D3000 Sprayhead Complete

2-1063

\* Indicate 3TN Nozzle Size and Plate type when ordering.

## I-WOB™



Standard-angle 9-groove, Black Deflector  
 Standard-angle 6-groove, Grey Deflector  
 Low-angle 9-groove, Blue Deflector  
 Low-angle 6-groove, Blue Deflector  
 Nozzles, Color Coded (#6-#24)

i-Wob-SA-9G-UP3  
 i-Wob-SA-6G-UP3  
 i-Wob-LA-9G-UP3  
 i-Wob-LA-6G-UP3  
 UP3 Nozzles

\* Indicate UP3 Nozzle Size when ordering.

## XI-WOB™



6-Grooves, 10°, Blue Deflector  
 6-Grooves, 15°, Black Deflector  
 9-Grooves, 10°, Grey Deflector  
 Top-of-Pipe, 6-Grooves, 5°, White Deflector  
 Nozzles, Color Coded (#7-#24)

Xi-Wob-610-UP3  
 Xi-Wob-615-UP3  
 Xi-Wob-910-UP3  
 Xi-Wob-605-TOP-UP3  
 UP3 Nozzles

\* Indicate UP3 Nozzle Size when ordering.

## PIVOT-MASTER IMPACT SPRINKLER (6°)



### Single Nozzle

3006H	2.40 - 4.35 gpm	Nozzles #8-9	3006H-1-3/4" M PM
4006H	3.80 - 7.70 gpm	Nozzles #10-12	4006H-1-3/4" M PM
5006H	6.20 - 16.00 gpm	Nozzles #13-18	5006H-1-3/4" M PM

### Double Nozzle

4006H	4.55 - 15.08 gpm	Nozzles #10-12, #7-12	4006H-2-3/4" M PM
5006H	12.32 - 30.47 gpm	Nozzles #13-18, #7-18	5006H-2-3/4" M PM

\* Specify Nozzle Size when ordering.  
 \* With Brass Swivel & Stem

# CENTER PIVOT REGULATORS



Product	Description	Part Number	Weight	List Price
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## PRESSURE REGULATOR UNIVERSAL FLOW

### 3/4" Barb x Square Thread



<u>PSI</u>	<u>GPM</u>	
6	0.5-8	10167-001
10	0.5-10	10167-002
15	0.5-12	10167-003
20	0.5-12	10167-004
25	0.5-12	10167-005
30	0.5-12	10167-006
40	0.5-12	10167-007
50	0.5-12	10167-008

### 3/4" FPT x Square Thread



<u>PSI</u>	<u>GPM</u>	
6	0.5-8	9572-001
10	0.5-10	9572-002
15	0.5-12	9572-003
20	0.5-12	9572-004
25	0.5-12	9572-005
30	0.5-12	9572-006
40	0.5-12	9572-007
50	0.5-12	9572-008

### 3/4" FPT x FPT



<u>PSI</u>	<u>GPM</u>	
6	0.5-8	9491-001
10	0.5-10	9491-002
15	0.5-12	9491-003
20	0.5-12	9491-004
25	0.5-12	9491-005
30	0.5-12	9491-006
40	0.5-12	9491-007
50	0.5-12	9491-008

### 3/4" FHT x MHT



<u>PSI</u>	<u>GPM</u>	
6	0.5-8	9561-001
10	0.5-10	9561-002
15	0.5-12	9561-003
20	0.5-12	9561-004
25	0.5-12	9561-005
30	0.5-12	9561-006
40	0.5-12	9561-007
50	0.5-12	9561-008

### 3/4" FPT x MHT



<u>PSI</u>	<u>GPM</u>	
6	0.5-8	9581-001
10	0.5-10	9581-002
15	0.5-12	9581-003
20	0.5-12	9581-004
25	0.5-12	9581-005
30	0.5-12	9581-006
40	0.5-12	9581-007
50	0.5-12	9581-008

# CENTER PIVOT REGULATORS

Product	Description	Part Number	Weight	List Price
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## PRESSURE REGULATOR HI-FLOW

**3/4" FPT x Square Thread**



PSI	GPM	Part Number
6	0.5-8	9611-001
10	0.5-10	9611-002
15	0.5-12	9611-003
20	0.5-12	9611-005
25	0.5-12	9611-006
30	0.5-12	9611-007
40	0.5-12	9611-008
50	0.5-12	9611-009

**3/4" FPT x FPT**



PSI	GPM	Part Number
6	0.5-8	9071-001
10	0.5-10	9071-002
15	0.5-12	9071-003
20	0.5-12	9071-005
25	0.5-12	9071-006
30	0.5-12	9071-007
40	0.5-12	9071-008
50	0.5-12	9071-009

## PRESSURE REGULATOR



3/4" x 3/4"	15psi	7-0310	0.4
3/4" x 3/4"	20psi	7-0311	0.4
3/4" x 3/4"	25psi	7-0312	0.4
3/4" x 3/4"	30psi	7-0313	0.4
3/4" x 3/4"	40psi	7-0314	0.4
3/4" x 3/4"	50psi	7-0315	0.4
1-1/4" x 1"	10psi	7-0316	0.6
1-1/4" x 1"	15psi	7-0317	0.6
1-1/4" x 1"	20psi	7-0318	0.6
1-1/4" x 1"	30psi	7-0319	0.6
1-1/4" x 1"	40psi	7-0320	0.6
1-1/4" x 1"	50psi	7-0321	0.6

Both ends are Female threaded.  
Male available upon request.  
Also available as 1" x 1". Please call for price.



Fittings



# SCREENS



Product	Description	Part Number	Weight	List Price
<b>SCREEN, E-Z</b>	Square Grid	9-7316		
	Bar Grid	9-7317		



**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 24 GA.)



Size	Outside Diameter of inlet of Screen			Length	Part #	Weight	List Price
	BE-Bullnose End	RE-Rolled End	OE-Open End				
2"	2"	2"	2"	18"	6-1513	0.5	
3"	3"	3"	3"	18"	6-1514	0.5	
4"	4"			36"	6-1510-BE	1.3	
4"		3-7/8"		36"	6-1510-RE	1.3	
4"			4"	36"	6-1510-OE	1.3	
5"	4-7/8"			36"	6-1515-BE	2.0	
5"		4-3/4"		36"	6-1515-RE	2.0	
5"			5"	36"	6-1515-OE	2.0	
6"	5-3/4"			36"	6-1511-BE	3.5	
6"		5-5/8"		36"	6-1511-RE	3.5	
6"			6"	36"	6-1511-OE	3.5	
8"	7-3/4"			36"	6-1512-BE	5.0	
8"		7-5/8"		36"	6-1512-RE	5.0	
8"			8"	36"	6-1512-OE	5.0	
10"	9-3/4"			36"	6-1469-BE	7.0	
10"		9-5/8"		36"	6-1469-RE	7.0	
10"			10"	36"	6-1469-OE	7.0	

**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	
8"	1200	1/16"	9-7312
8"	1200	3/32"	9-7313
8"	1750	1/16"	9-7314
8"	1750	3/32"	9-7315



Product	Description	Part Number	Weight	List Price
<b>SOIL MOISTURE TESTER</b> <b>IRROMETER</b> Features: - 5 different lengths to choose from - Only the gauge is replaceable - Conserves water - Saves energy from pumping excessive water	Irrrometer: 6"	6-1504	0.8	
	12"	6-1508	1.0	
	18"	6-1509	1.1	
	24"	6-1516	1.2	
	36"	6-1517	1.5	
	48"	6-1518	1.7	
	Service Unit	6-1519	1.1	



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**

For Irrigation Water



- 1/4" brass male pipe thread base
- Stainless steel case
- Silicone filled gauge (on the liquid filled gauges)
- Glass lens

**Dry (2-1/2" Dial Face)**

#0-30 PSI Dry	2-1/2"	6-9768	0.3
#0-100 PSI Dry		6-1520	0.3
#0-200 PSI Dry		6-1521	0.3

**Liquid Filled (2-1/2" Dial Face)**

#0-15 PSI Liquid Filled	2-1/2"	6-9754	0.5
#0-30 PSI Liquid Filled		6-9755	0.5
#0-60 PSI Liquid Filled		6-9756	0.5
#0-100 PSI Liquid Filled		6-9757	0.5
#0-160 PSI Liquid Filled		6-1522	0.5
#0-200 PSI Liquid Filled		6-9758	0.5
#0-300 PSI Liquid Filled		6-9759	0.5

**Liquid Filled (4" Dial Face)**

#0-15 PSI Liquid Filled	4"	9-5271	1.5
#0-30 PSI Liquid Filled		9-5274	1.5
#0-60 PSI Liquid Filled		9-5276	1.5
#0-100 PSI Liquid Filled		9-5270	1.5
#0-160 PSI Liquid Filled		9-5272	1.2
#0-200 PSI Liquid Filled		9-5273	1.5
#0-300 PSI Liquid Filled		9-5275	1.5

**PRESSURE GAUGE**  
**LIQUID MANURE**



- 1/4" brass male pipe thread base
- Stainless steel case
- Silicone filled gauge (on the liquid filled gauges)
- Glass lens


**For Liquid Manure (2-1/2" Dial Face):**

#0-160 PSI - Dry	2-1/2"	6-1578	0.5
#0-160 PSI - Liquid Filled		6-9570	0.5

Fittings

# VALVE STUBS


Product	Description	Part Number	Weight	List Price
<b>WELD-ON VALVE STUB</b> (BLACK STEEL) 	3"	6-1377	2.0	
	4"	6-1414	2.8	
	5"	6-1378	3.8	
	6"	6-1415	5.8	
	8"	6-1416	15.0	
	10"	6-9846	19.0	
<b>WELD-ON VALVE STUB WITH SADDLE</b> (CAST ALUMINUM) 	4" x 4"	6-1373	3.5	
	5" x 4"	6-1374	3.5	
	6" x 4"	6-1411	3.5	
	7" x 4"	6-1375	3.5	
	8" x 4"	6-1412	3.5	
	10" x 4"	6-1413	3.5	
	12" x 4"	6-1376	3.5	
<b>THREADED VALVE STUB</b> (GALVANIZED STEEL)   Female                      Male	2" FPT x 3"	6-1421	4.0	
	3" FPT x 3"	6-1423	4.5	
	3" FPT x 4"	6-1424	5.0	
	4" FPT x 4"	6-1420	6.0	
	6" FPT x 6"	6-1425	8.5	
	8" FPT x 8"	6-1426	28.0	
	2" MPT x 3"	6-1427	4.0	
	3" MPT x 3"	6-1428	4.5	
	3" MPT x 4"	6-1429	5.0	
	4" MPT x 4"	6-1399	6.0	
6" MPT x 6"	6-1388	9.0		
8" MPT x 8"	6-1387	25.0		
<b>THREADED VALVE STUB</b> (CAST ALUMINUM)   Female                      Male	4" FPT x 4"	6-9612	4.5	
	6" FPT x 6"	6-9614	5.0	
	4" MPT x 4"	6-9613	3.0	
	6" MPT x 6"	6-9615	5.0	
<b>WELD-ON VALVE STUB</b> (CAST ALUMINUM) 	3"	6-1363	3.5	
	4"	6-1364	3.5	
	5"	6-1365	3.5	
	6"	6-1366	4.5	
<b>WELD-ON SADDLE</b> (CAST ALUMINUM) 	<u>Outlet x Pipe</u>			
	3" x 3"	6-1592	0.4	
	3" x 4"	6-1593	0.4	
	3" x 5"	6-1594	0.4	
	3" x 6"	6-1595	0.4	
	4" x 4"	6-1596	0.5	
	4" x 5"	6-1597	0.5	
	4" x 6"	6-1598	0.5	
	4" x 8"	6-1599	0.5	
	5" x 5"	6-1600	0.8	
	5" x 6"	6-1601	0.8	
	5" x 7"	6-1602	0.8	
	5" x 8"	6-1603	0.8	
	5" x 10"	6-1604	0.8	
6" x 6"	6-1605	1.0		
6" x 8"	6-1606	0.5		
8" x 8"	6-1607	1.0		
10" x 10"	6-1608	1.0		

Product	Description	Part Number	Weight	List Price
<b>RISER VALVE DISC</b>  		<u>Hole Size</u>		
	3"	5/8"	6-1404	0.4
	4"	5/8"	6-1405	0.6
	5"	5/8"	6-1409	1.0
	6"	5/8"	6-1406	1.3
	8"	1"	6-1410	2.5
	10"	1"	9-7546	

\* Domed

**RISER VALVE STEM**

Disc Size	Diameter x Length	Part Number	Weight
4"	5/8" x 6-3/4"	6-1407	0.6
6"	5/8" x 9"	6-1408	0.7
8"	1" x 11"	6-1400	2.5
10"	1" x 13"	9-7547	



\* Zinc Plated



**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

Fittings

# VALVE OPENERS INDEPENDENT VALVE TEES



Product	Description	Part Number	Weight	List Price
<b>VALVE OPENER</b>  Cast Alum	3"	Cast Alum 6-1435	9.0	
	4"	Cast Alum 6-1430	10.0	
	6"	<b>Steel Gal.</b> 6-1431	15.0	
	8"	<b>Steel Gal.</b> 6-1433	27.0	
	10"	<b>Steel Gal.</b> 6-9752	34.0	
	3" x 2"	Cast Alum 6-1434	8.0	
	4" x 2"	Cast Alum 6-1436	10.0	
	4" x 3"	Cast Alum 6-1437	10.0	
	6" x 4"	<b>Steel Gal.</b> 6-1432	14.0	
	 Steel Gal.			

Also available in Knob style.

## GUN STAND VALVE OPENER

4" x 3" Cast Alum 6-1018 13.0



## VALVE OPENING TEE



3" x 2" x 2"	Cast Alum 6-1390	8.0
3" x 3" x 3"	Cast Alum 6-1391	9.0
4" x 2" x 2"	Cast Alum 6-1392	10.0
4" x 3" x 3"	Cast Alum 6-1393	11.0
4" x 4" x 4"	Cast Alum 6-1394	11.0
6" x 4" x 4"	<b>Steel Gal.</b> 6-1395	17.0
6" x 6" x 6"	<b>Steel Gal.</b> 6-1396	18.5
8" x 6" x 6"	<b>Steel Gal.</b> 6-1397	20.0
8" x 8" x 8"	<b>Steel Gal.</b> 6-1398	23.0

Also available in Knob style.

## VALVE OPENING PARTS



Yoke only	6-1438
Roll Pin for Yolk	6-1439
*Chevron Gasket - 5/8"	6-1240
**Chevron Gasket - 3/4"	6-1241
Chevron Gasket - 1"	6-1243

\*5/8" is for Alumax, A&M & Felton.  
\*\*3/4" is for Ames, Alumax, Bush Hog, Irreco, Pierce, ShurRane & Western.

## HOOK STYLE INDEPENDENT VALVE TEE (ALUMINUM)

4" x 4"	6-1380	6.3
6" x 4"	6-1381	9.6
8" x 4"	6-1382	11.7
10" x 4"	6-1383	13.6



Product	Description	Part Number	Weight	List Price
<b>RINGLOCK INDEPENDENT VALVE TEE</b> (ALUMINUM)	6" x 4"	6-1384	9.0	
	8" x 4"	6-1385	9.9	
	10" x 4"	6-1386	11.7	



**WELD-ON NIPPLE**  
(BLACK STEEL)



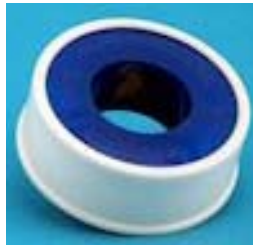
<u>Black Steel:</u>		<u>Length</u>		
1/2"	1"	9-5820		
3/4"	2"	6-1539	0.1	
1"	2"	6-1540	0.4	
1-1/4"	2"	6-1541	0.3	
1-1/2"	2"	6-1542	0.4	
2"	2-1/2"	6-1543	0.6	
2-1/2"	2-1/2"	6-1548	0.9	
3"	3"	6-1544	1.5	
4"	4"	6-1545	2.8	
5"	4"	6-1549	3.9	
6"	4"	6-1546	5.3	
8"	4"	6-1547	7.3	
10"	4"	6-9660		
12"	4"	6-9661		

**WELD-ON NIPPLE**  
(ALUMINUM)



1/2"		9-5821	0.2
3/4"		6-1703	0.2
1"		6-1554	0.3
1-1/4"		6-1555	0.3
1-1/2"		6-1556	0.3
2"		6-1550	0.3
2-1/2"		6-1557	0.4
3"		6-1551	0.6
4"		6-1552	0.9
5"		6-1553	1.1
6"		6-1558	1.4
8"		6-1559	3.0


**WHITE TEFLON TAPE**



1/2" x 520"	9-7543
3/4" x 520"	9-7544
1" x 520"	9-7545

\*Industrial Teflon Thread sealing tape.  
\*Chemically resistant.

# NIPPLES, COUPLINGS & TEES

Product	Description	Part Number	Weight	List Price
<b>WELD-ON HALF COUPLING</b> (BLACK STEEL)		1/8"	9-5879	
		1/4"	9-5016	0.1
		3/8"	9-5279	
		1/2"	9-5278	0.1
		3/4"	6-1586	0.1
		1"	6-1669	0.3
		1-1/4"	6-1587	0.2
		1-1/2"	6-1588	0.3
		2"	6-1571	0.5
		2-1/2"	6-1589	1.0
		3"	6-1572	1.4
		4"	6-1573	2.0
		5"	6-1574	3.6
		6"	6-1575	4.9
	8"	6-1576		
	10"	9-5154		

## FULL COUPLING

(BLACK STEEL)



	1/4"	9-5847	0.1
	3/8"	9-5872	0.1
	1/2"	6-9571	0.2
	3/4"	6-9572	0.3
	1"	6-9573	0.4
	1-1/4"	9-5870	0.5
	1-1/2"	9-5869	0.7
	2"	6-9574	1.1
	2-1/2"	9-5871	2.1
	3"	6-9575	3.4
	3-1/2"	9-5873	4.8
	4"	9-5874	4.6
	6"	9-5875	11.3

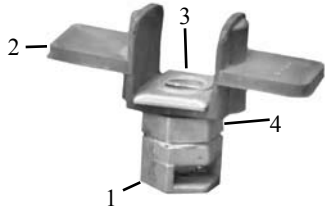
## WELD-ON HALF COUPLING

(ALUMINUM)



	1/4"	9-5303	0.1
	1/2"	9-5304	0.3
	3/4"	6-1740	0.3
	1"	6-1609	0.3
	1-1/4"	6-1585	0.4
	1-1/2"	6-1580	0.5
	2"	6-1581	1.0
	2-1/2"	6-1417	1.0
	3"	6-1582	1.4
	4"	6-1583	1.5
	5"	6-1584	1.5
	6"	6-1418	1.6

Product	Description	Part Number	Weight	List Price
<b>FLAPPER DRAIN GASKET</b>	Flapper Drain Gasket (complete)	6-1537	0.4	
	1. Splash Nut	6-1813	0.1	
	2. Rubber Flapper	6-1810	0.1	
	3. Threaded Insert	6-1811	0.1	
	4. Jam Nut	6-1812	0.1	



**MUSHROOM DRAIN W/CLIP (WESTERN)**

6-1525 0.1



\* Clip (not pictured) is included

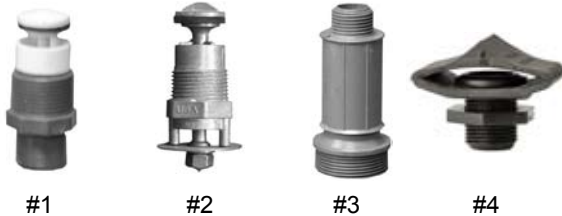
**MUSHROOM DRAIN (AMES)**

6-1526 0.1



**1" DRAIN VALVE**

Pierce	(1" mpt x 3/4" male hose thread)	#1	8-1447	0.1
Wade Rain	(1" mpt)	#2	6-1538	0.4
Waterman	(1-1/2" mpt x 3/4" mpt)	#3	8-1448	0.2
Pierce Giant Bridge Drain	(1" mpt)	#4	9-7701	



**PIPE THREAD COMPOUND**



1-Pint 1-Quart 1/2-Pint

1/2 Pint, 8 Fl. Oz	9-7442
1 Pint, 16 Fl. Oz	9-7443
1 Quart, 32 Fl. Oz	9-7444



# IRON MALLEABLE FITTINGS (CLASS 150 LBS)



**Product Description Part Number Weight List Price**

## BUSHING (BLACK OR GALVANIZED STEEL)



Description	Black			Galvanized		
	Part Number	Weight	List Price	Part Number	Weight	List Price
1/4" X 1/8"	9-7035	0.1		9-5479	0.1	
3/8 X 1/8	9-7210	0.1		9-5480	0.1	
3/8" X 1/4"	9-7222	0.1		9-5481	0.1	
1/2" X 1/8"	9-7015	0.1		9-5482	0.1	
1/2" X 1/4"	9-7013	0.1		9-5483	0.1	
1/2" X 3/8"	9-7016	0.1		9-5484	0.1	
3/4 X 1/8	9-7186	0.2		9-5485	0.2	
3/4" X 1/4"	9-7199	0.1		9-5486	0.1	
3/4" X 3/8"	9-7200	0.1		9-5487	0.1	
3/4"x1/2"	9-7261	0.1		8-1214	0.1	
1 X 1/4	9-6984	0.2		9-5489	0.2	
1 X 3/8	9-6987	0.2		9-5490	0.2	
1"x1/2"	9-7250	0.2		8-1215	0.2	
1"x3/4"	9-7251	0.2		8-1216	0.2	
1-1/4 X 1/4	9-7084	0.3		9-5493	0.3	
1-1/4 X 3/8	9-7085	0.3		9-5494	0.3	
1 1/4"X1/2"	9-7098	0.3		9-5495	0.3	
1 1/4"X3/4"	9-7101	0.4		9-5496	0.4	
1-1/4"x1"	9-7254	0.3		8-1217	0.3	
1-1/2 X 1/4	9-7048	0.4		9-5498	0.4	
1-1/2 X 3/8	9-7049	0.2		9-5499	0.4	
1 1/2"X1/2"	9-7062	0.4		9-5500	0.4	
1 1/2"X3/4"	9-7065	0.4		9-5501	0.4	
1-1/2"x1"	9-7252	0.4		8-1218	0.4	
1-1/2"x1-1/4"	9-7253	0.3		8-1219	0.3	
2"X1/4"	9-7144	0.2		9-5504	0.5	
2 X 3/8	9-7128	0.2		9-5505	0.2	
2"X1/2"	9-7143	0.5		9-5506	0.5	
2"X3/4"	9-7147	0.6		9-5507	0.6	
2"x1"	9-7255			8-1220	0.6	
2"x1-1/4"	9-7257	0.7		8-1221	0.7	
2"x1-1/2"	9-7256	0.6		8-1222	0.6	
2-1/2 X 1/2	9-7150			9-5511		
2-1/2 X 3/4	9-7157	1.0		9-5512	1.0	
2-1/2 X 1	9-7148	1.0		9-5513	1.0	
2-1/2 X 1-1/4	9-7153	1.0		9-5514	1.0	
2-1/2 X 1-1/2	9-7151	1.1		9-5515	1.1	
2-1/2"x2"	9-7258	0.9		8-1223	0.9	
3" X 1/2"	9-7182	1.1		9-5517	1.1	
3" X 1"	9-7180	1.4		9-5518	1.4	
3" X 1-1/4"	9-7184	1.5		9-5519	1.5	
3" X 1-1/2"	9-7183	1.6		9-5520	1.6	
3"x2"	9-7259	1.9		8-1224	1.9	
3"x2-1/2"	9-7260	1.8		8-1225	1.8	
3-1/2"x3"	9-7319			9-5962	2	
4" X 1"	9-7234	1.3		9-5523	2.6	
4" X 1-1/4"	9-7236	1.2		9-5524	2.7	
4" X 1-1/2"	9-7235	1.2		9-5525	2.8	
4" X 2"	9-7237	2.6		9-5526	2.6	
4" X 2-1/2"	9-7238	3		9-5527	3	
4"x3"	9-7262	1.7		6-1760	2.8	
6"x2"	9-7320			9-5963	6.2	
6"x3"	9-7321			9-5964	6.6	
6"x4"	9-7322			9-5965	6.8	

Class 150 Pounds

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>45° ELBOW</b> (BLACK OR GALVANIZED STEEL)							
			<u>Black</u>		<u>Galvanized</u>		
	1/8"	9-7038	0.1		9-5579	0.1	
	1/4"	9-7024	0.1		9-5580	0.1	
	3/8"	9-7212	0.1		9-5581	0.1	
	1/2"	9-7264	0.2		8-1227	0.2	
	3/4"	9-7270	0.3		8-1228	0.3	
	1"	9-7263	0.5		8-1229	0.3	
	1-1/4"	9-7266	0.8		8-1230	0.8	
	1-1/2"	9-7265	1.0		8-1231	1.0	
	2"	9-7297	2.4		8-1232	1.6	
	2-1/2"	9-7268	2.9		8-1233	2.9	
	3"	9-7269	4.2		8-1234	4.2	
4"	9-7271	7.0		8-1235	7.0		
6"	9-7241	16.5		9-5591	16.5		



Class 150 Pounds

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>90° ELBOW</b> (BLACK OR GALVANIZED STEEL)							
			<u>Black</u>		<u>Galvanized</u>		
	1/8"	9-7042	0.1		9-5566	0.1	
	1/4"	9-7028	0.1		9-5567	0.1	
	3/8"	9-7216	0.2		9-5568	0.2	
	1/2"	9-7273	0.2		8-1237	0.2	
	3/4"	9-7276	0.4		8-1238	0.4	
	1"	9-7272	0.6		8-1239	0.6	
	1-1/4"	9-7275	0.9		8-1240	0.9	
	1-1/2"	9-7274	1.1		8-1241	1.1	
	2"	9-7247	1.8		6-1761	1.8	
	2-1/2"	9-7323			6-1762	3.4	
	3"	9-7248	5.0		6-1763	5.0	
4"	9-7249	8.9		6-1764	8.9		
6"	9-7244	20.7		9-5578	20.7		



Class 150 Pounds

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>TEE</b> (BLACK OR GALVANIZED STEEL)							
			<u>Black</u>		<u>Galvanized</u>		
	1/8"	9-7042	0.1		9-5776	0.1	
	1/4"	9-7033	0.1		9-5777	0.1	
	3/8"	9-7220	0.2		9-5778	0.2	
	1/2"	9-7294	0.3		8-1243	0.3	
	3/4"	9-7300	0.5		8-1244	0.5	
	1"	9-7293	0.8		8-1245	0.8	
	1-1/4"	9-7296	1.2		8-1246	1.2	
	1-1/2"	9-7295	1.6		8-1247	1.6	
	2"	9-7297	2.4		8-1248	2.4	
	2-1/2"	9-7298	4.5		8-1249	4.5	
	3"	9-7299	6.5		8-1250	6.5	
4"	9-7301	11.3		8-1251	11.3		
6"	9-7246	27.0		9-5788	27.0		



Class 150 Pounds

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>LOCKNUT</b> (BLACK OR GALVANIZED STEEL)							
			<u>Black</u>		<u>Galvanized</u>		
	1/4"	9-7029			9-5598		
	1/2"	9-7008			9-5599	0.1	
	3/4"	9-7193	0.1		9-5600	0.1	
	1"	9-6995	0.1		9-5601	0.1	
	1-1/4"	9-7092	0.1		9-5602	0.2	
	1-1/2"	9-7056	0.2		9-5603	0.3	
2"	9-7134	0.3		9-5604	0.4		
2-1/2"	9-7161			9-5605			



Class 150 Pounds

Fittings

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)



Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>REDUCING COUPLING</b> (BLACK OR GALVANIZED STEEL)	1/4" X 1/8"	9-7036	0.1		9-5619	0.1	
	3/8 X 1/8	9-7211	0.1		9-5620	0.1	
	3/8"x1/4"	9-7289	0.1		8-1253	0.1	
	3/8"x1/2"	9-7288	0.1		8-1254	0.1	
	1/2 X 1/8	9-7002	0.1		9-5622	0.1	
	1/2" X 1/4"	9-7014	0.1		9-5623	0.1	
	1/2" X 3/8"	9-7017	0.1		9-5624	0.1	
	3/4 X 1/8	9-7187	0.2		9-5625	0.2	
	3/4 X 1/4	9-7185	0.2		9-5626	0.2	
	3/4" X 3/8"	9-7201	0.2		9-5627	0.2	
	3/4" X 1/2"	9-7324			9-5959	0.2	
	1 X 1/4	9-6985	0.3		9-5629	0.3	
	1 X 3/8	9-6988	0.3		9-5630	0.3	
	1"x1/2"	9-7277	0.3		8-1256	0.3	
	1"x3/4"	9-7278	0.4		8-1255	0.4	
	1-1/4 X 3/8	9-7086			9-5633	0.5	
	1 1/4" X 1/2"	9-7097	0.5		9-5634	0.5	
	1 1/4"X3/4"	9-7103	0.5		9-5635	0.5	
	1-1/4"x1"	9-7281	0.6		8-1257	0.6	
	1-1/2 X 3/8	9-7050			9-5637	0.6	
	1 1/2" X 1/2"	9-7061	0.6		9-5638	0.6	
	1 1/2"X3/4"	9-7067	0.7		9-5639	0.7	
	1-1/2"x1"	9-7279	0.8		8-1258	0.8	
	1-1/2"x1-1/4"	9-7280	0.8		8-1259	0.8	
	2" X 1/2"	9-7139	1.0		9-5642	1.0	
	2" X 3/4"	9-7141	1.0		9-5643	1.0	
	2"x1"	9-7282	1.0		8-1260	1.0	
	2"x1-1/4"	9-7284	1.1		8-1261	1.1	
	2"x1-1/2"	9-7283	1.2		8-1262	1.2	
	2-1/2" X 1"	9-7149			9-5960	1.8	
	2-1/2 X 1-1/4	9-7154	1.8		9-5648	1.8	
	2-1/2 X 1-1/2	9-7152	1.9		9-5649	1.9	
	2-1/2"x2"	9-7285	2.1		8-1263	2.1	
	3" x 1"	9-7181	2.5		9-5651	2.5	
3" X 1-1/4"	9-7325			9-5961	2.6		
3"x1-1/2"	9-7171	2.7		9-5652	2.7		
3"x2"	9-7286	2.8		8-1264	2.8		
3"x2-1/2"	9-7287	3.1		8-1265	3.1		
4"x2"	9-7290	4.3		8-1266	4.3		
4"x2-1/2"	9-7291	4.8		8-1267	4.8		
4"x3"	9-7292	5.4		8-1268	5.4		
6"x3"	9-7239	9.4		9-5658	9.4		
6"x4"	9-7240	10.0		9-5659	10.0		



Class 150 Pounds


## COUPLING (BLACK OR GALVANIZED STEEL)





	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
1/8"		9-7040	0.1		9-5529	0.1	
1/4"		9-7026	0.1		9-5530	0.1	
3/8"		9-7214	0.1		9-5531	0.1	
1/2"		9-7006	0.2		9-5532	0.2	
3/4"		9-7191	0.3		9-5533	0.3	
1"		9-6993	0.4		9-5534	0.4	
1 1/4"		9-7089	0.7		9-5535	0.7	
1 1/2"		9-7053	0.9		9-5536	0.9	
2"		9-7131	1.3		9-5537	1.3	
2-1/2"		9-7159	2.3		9-5538	2.3	
3"		9-7176	3.4		9-5539	3.4	
4"		9-7229	5.6		9-5540	5.6	
6"		9-7243			9-5541	11.8	

Class 150 Pounds

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>90° REDUCING ELBOW</b> (BLACK OR GALVANIZED STEEL)    Class 150 Pounds					<u>Black</u>		
					<u>Galvanized</u>		
	1/4X1/8	9-7037	0.1		9-5660	0.1	
	3/8X1/4	9-7223	0.1		9-5661	0.1	
	1/2X1/4	9-7023	0.2		9-5662	0.2	
	1/2" X 3/8"	9-7018	0.2		9-5663	0.2	
	3/4X1/4	9-7204	0.2		9-5664	0.2	
	3/4X3/8	9-7209	0.3		9-5665	0.3	
	3/4" X 1/2"	9-7198	0.2		9-5666	0.3	
	1 X 3/8	9-6989	0.2		9-5667	0.4	
	1" X 1/2"	9-7000	0.4		9-5668	0.4	
	1" X 3/4"	9-7001	0.5		9-5669	0.5	
	1-1/4"x1/2"	9-7099	0.6		9-5670	0.6	
	1-1/4"x3/4"	9-7102	0.6		9-5671	0.6	
	1-1/4" x 1"	9-7096	0.8		9-5672	0.8	
	1-1/2"x1/2"	9-7063	0.7		9-5673	0.7	
	1-1/2"x3/4"	9-7066	0.7		9-5674	0.7	
	1-1/2" x 1"	9-7060	0.9		9-5675	0.9	
	1-1/2"x1-1/4"	9-7064	1.1		9-5676	1.1	
	2" x 1/2"	9-7140	0.9		9-5677	0.9	
	2" x 3/4"	9-7142	1.1		9-5678	1.1	
	2" x 1"	9-7138	1.3		9-5679	1.3	
	2"x1-1/4"	9-7146	1.4		9-5680	1.4	
	2"x1-1/2"	9-7145	1.6		9-5681	1.6	
	2-1/2X1-1/2	9-7166	2.2		9-5682	2.2	
	2-1/2 X 2	9-7155	2.5		9-5683	2.5	
	3" X 2"	9-7326			9-5943	3.3	
	3" X 2-1/2"	9-7327			9-5944	4.1	
4" X 3"	9-7328			9-5945	6.7		

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>90° STREET ELBOW</b> (BLACK OR GALVANIZED STEEL)    Class 150 Pounds					<u>Black</u>		
					<u>Galvanized</u>		
	1/8"	9-7044	0.1		9-5751	0.1	
	1/4"	9-7031	0.1		9-5752	0.1	
	3/8"	9-7218	0.1		9-5753	0.1	
	1/2"	9-7010	0.2		9-5754	0.2	
	3/4"	9-7195	0.3		9-5755	0.3	
	1"	9-6997	0.5		9-5756	0.5	
	1 1/4"	9-7094	0.8		9-5757	0.8	
	1 1/2"	9-7058	1.1		9-5758	1.1	
	2"	9-7136	1.8		9-5759	1.8	
	2-1/2"	9-7163	3.3		9-5760	3.3	
	3"	9-7178	4.9		9-5761	4.9	
	4"	9-7232	9.2		9-5762	9.2	

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price
<b>45° STREET ELBOW</b> (BLACK OR GALVANIZED STEEL)    Class 150 Pounds					<u>Black</u>		
					<u>Galvanized</u>		
	1/8"	9-7045	0.1		9-5763	0.1	
	1/4"	9-7032	0.1		9-5764	0.1	
	3/8"	9-7219	0.1		9-5765	0.1	
	1/2"	9-7004	0.2		9-5766	0.2	
	3/4"	9-7189	0.3		9-5767	0.3	
	1"	9-6991	0.5		9-5768	0.5	
	1 1/4"	9-7087	0.7		9-5769	0.7	
	1 1/2"	9-7051	0.9		9-5770	0.9	
	2"	9-7129	1.5		9-5771	1.5	
	2-1/2"	9-7164	2.6		9-5772	2.6	
3"	9-7329			9-5941	3.9		
4"	9-7330			9-5942	7.0		

# IRON MALLEABLE FITTINGS (CLASS 150 LBS)



**Product**

**REDUCING TEE**  
(BLACK OR GALVANIZED STEEL)







Class 150 Pounds

Left, Right, Top Description	Black			Galvanized		
	Part #	Weight	List Price	Part #	Weight	List Price
3/8x3/8x1/4	9-7224			9-5684		
1/2x1/2x1/4	9-7020	0.2		9-5685	0.1	
1/2x1/2x3/8	9-7022	0.3		9-5686	0.1	
1/2x1/2x3/4	9-7021	0.4		9-5687	0.2	
1/2x1/2x1	9-7019	0.5		9-5688	0.3	
3/4x1/2x1/2	9-7202	0.4		9-5689	0.2	
3/4x1/2x3/4	9-7203	0.5		9-5690	0.2	
3/4x1/2x1	9-7331			9-5949		
3/4x3/4x1/4	9-7207	0.4		9-5691	0.2	
3/4x3/4x3/8	9-7208	0.4		9-5692	0.2	
3/4x3/4x1/2	9-7206	0.5		9-5693	0.2	
3/4x3/4x1	9-7205	0.6		9-5694	0.3	
1x1/2x1/2	9-7116	0.5		9-5695	0.3	
1x1/2x3/4	9-7117	0.6		9-5696	0.3	
1x1/2x1	9-7115	0.7		9-5697	0.4	
1x3/4x1/2	9-7120	0.6		9-5698	0.3	
1x3/4x3/4	9-7121	0.6		9-5699	0.3	
1 x 3/4 x 1	9-6986	0.7		9-5700	0.4	
1 x 1 x 1/4	9-6982	0.5		9-5701	0.3	
1 x 1 x 1/2	9-6981	0.6		9-5702	0.3	
1 x 1 x 3/4	9-6983	0.7		9-5703	0.4	
1x1x1-1/4	9-7119	1		9-5704	0.5	
1x1x1-1/2	9-7118	1.1		9-5705	0.6	
1x1x2	9-7332			9-5950		
1-1/4"x1/2"x1-1/4"	9-7100	0.9		9-5706	0.5	
1-1/4x3/4x1/2	9-7113	0.4		9-5707	0.4	
1-1/4"x3/4"x3/4"	9-7105	0.7		9-5708	0.4	
1-1/4"x3/4"x 1"	9-7104	0.5		9-5709	0.5	
1-1/4x3/4x1-1/4	9-7114	1		9-5710	0.5	
1 1/4x1x1/2	9-7110	0.4		9-5711	0.4	
1 1/4x1x3/4	9-7112	0.9		9-5712	0.4	
1-1/4 x 1 x 1	9-7083	1.0		9-5713	0.5	
1-1/4x1x1-1/4	9-7111	1.1		9-5714	0.6	
1-1/4x1x1-1/2	9-7333			9-5951		

Left, Right Top Description	Black			Galvanized		
	Part #	Weight	List Price	Part #	Weight	List Price
1-1/4x1-1/4x3/8	9-7109	0.4		9-5715	0.4	
1 1/4x1 1/4x1/2	9-7107	0.9		9-5716	0.4	
1 1/4x1 1/4x3/4	9-7108	0.9		9-5717	0.5	
1 1/4x1 1/4x1	9-7106	1.1		9-5718	0.6	
1-1/4x1-1/4x1-1/2	9-7334			9-5952		
1-1/4x1-1/4x2	9-7335			9-5953		
1-1/2x1/2x1	9-7068	0.7		9-5719	0.7	
1-1/2x1/2x1-1/2	9-7069	0.7		9-5720	0.7	
1-1/2x3/4x1-1/2	9-7082	1.3		9-5721	0.7	
1-1/2x1x3/4	9-7081	0.6		9-5722	0.6	
1-1/2x1x1	9-7079	1.1		9-5723	0.6	
1-1/2x1x1-1/2	9-7080	1.4		9-5724	0.7	
1-1/2x1-1/4x1/2	9-7076	0.6		9-5725	0.6	
1-1/2x1-1/4x1	9-7075	1.2		9-5726	0.6	
1-1/2x1-1/4x1-1/4	9-7078	1.3		9-5727	0.7	
1-1/2x1-1/4x1-1/2	9-7077	1.4		9-5728	0.7	
1 1/2x1 1/2x1/2	9-7071	1.1		9-5729	0.6	
1 1/2x1 1/2x3/4	9-7074	1.2		9-5730	0.6	
1 1/2x1 1/2x1	9-7070	1.3		9-5731	0.7	
1 1/2x1 1/2x1 1/4	9-7072	1.4		9-5732	0.8	
1-1/2x1-1/2x2	9-7073	1.9		9-5733	1.0	
2 x 1/2 x 1-1/4	9-7336			9-5956		
2 x 1/2 x 2	9-7124	2		9-5734	1.0	
2 x 1 x 1	9-7122	0.8		9-5735	0.8	
2 x 1 x 2	9-7123	2.1		9-5736	1.1	
2x1-1/4x1-1/4	9-7337			9-5954		
2x1-1/2x1	9-7338			9-5955		
2x1-1/2x1-1/2	9-7168	1.9		9-5737	1.1	
2 x 2 x 1/2	9-7127	1.5		9-5738	0.9	
2x2x3/4	9-7170	1.7		9-5739	0.9	
2x2x1	9-7169	1.8		9-5740	1.0	
2 x 2 x 1 1/4	9-7126	2		9-5741	1.1	
2 x 2 x 1 1/2	9-7125	1.1		9-5742	1.1	
2 x 2 x 2-1/2	9-7339			9-5958		
2-1/2x2-1/2x1	9-7167	1.6		9-5743	1.6	
2-1/2 x 2-1/2 x 2	9-7156	3.6		9-5744	1.8	
3 x 3 x 1/2	9-7173	1.8		9-5745	1.8	
3 x 3 x 1	9-7172	4.0		9-5746	2.0	
3 x 3 x 1-1/4	9-7340			9-5947		
3x3x1-1/2	9-7225	4.5		9-5747	2.4	
3 x 3 x 2	9-7174	5.0		9-5748	2.7	
4 x 4 x 1	9-7341			9-5948		
4 x 4 x 2	9-7226	4.0		9-5749	4.0	
4 x 4 x 3	9-7227			9-5750		


# IRON MALLEABLE FITTINGS (CLASS 150 LBS)

Product	Description	Part Number	Weight	List Price	Part Number	Weight	List Price	
<b>STREET TEE</b> (BLACK OR GALVANIZED STEEL)								
	1/2"	9-7011	0.2		9-5773	0.3		
	3/4"	9-7196	0.3		9-5774	0.5		
	1"	9-6998	0.4		9-5775	0.8		
Class 150 Pounds								
<b>CROSS</b> (BLACK OR GALVANIZED STEEL)								
		1/8"	9-7041	0.1		9-5555	0.1	
1/4"		9-7027	0.2		9-5556	0.2		
3/8"		9-7215	0.3		9-5557	0.3		
1/2"		9-7007	0.4		9-5558	0.4		
3/4"		9-7192	0.6		9-5559	0.6		
1"		9-6994	0.9		9-5560	0.9		
1 1/4"		9-7090	1.5		9-5561	1.5		
1 1/2"		9-7054	1.9		9-5562	1.9		
2"		9-7132	2.9		9-5563	2.9		
2-1/2"		9-7160			9-5564	5.1		
4"		9-7230			9-5565	12.6		
Class 150 Pounds								
<b>UNION</b> (BLACK OR GALVANIZED STEEL)								
		1/8"	9-7047	0.2		9-5789	0.2	
1/4"		9-7034	0.2		9-5790	0.2		
3/8"		9-7221	0.3		9-5791	0.3		
1/2"		9-7012	0.4		9-5792	0.4		
3/4"		9-7197	0.60		9-5793	0.6		
1"		9-6999	0.9		9-5794	0.9		
1 1/4"		9-7095	1.3		9-5795	1.3		
1 1/2"		9-7059	1.8		9-5796	1.8		
2"		9-7137	2.6		9-5797	2.6		
2-1/2"		9-7165	3.7		9-5798	3.7		
3"		9-7179	4.7		9-5799	4.7		
4"		9-7233	8.3		9-5800	8.3		
Class 150 Pounds								
<b>SQUARE HEAD PLUG</b> (BLACK OR GALVANIZED STEEL)								
		1/8"	9-7043	0.1		9-5606	0.1	
1/4"		9-7030	0.1		9-5607	0.1		
3/8"		9-7217	0.1		9-5608	0.1		
1/2"		9-7009	0.1		9-5609	0.1		
3/4"		9-7194	0.1		9-5610	0.1		
1"		9-6996	0.2		9-5611	0.2		
1 1/4"		9-7093	0.3		9-5612	0.3		
1 1/2"		9-7057	0.4		9-5613	0.4		
2"		9-7135	0.6		9-5614	0.6		
2-1/2"		9-7162	1		9-5615	1		
3"		9-7177	1.4		9-5616	1.4		
4"		9-7231	2.6		9-5617	2.6		
6"		9-7245	6.6		9-5618	6.6		
Class 150 Pounds								
* Bar plugs also available in sizes 4", 5", 6" & 8".								
<b>FLOOR FLANGE</b> (BLACK OR GALVANIZED STEEL)								
	1/2"	9-7003	0.3		9-5592	0.3		
	3/4"	9-7188	0.5		9-5593	0.5		
	1"	9-6990	0.6		9-5594	0.6		
	1 1/4"	9-7091	0.8		9-5595	0.8		
	1 1/2"	9-7055	1.1		9-5596	1.1		
	2"	9-7133	1.5		9-5597	1.5		
	Class 150 Pounds							

Fittings

# ACCESSORIES



Product	Description	Part Number	Weight	List Price			
<b>CAP</b> (BLACK OR GALVANIZED STEEL)		<b>Black</b>		<b>Galvanized</b>			
		Part #	Weight	List Price	Part #	Weight	List Price
		1/8"	9-7039	0.1	9-5542	0.1	
		1/4"	9-7025	0.1	9-5543	0.1	
		3/8"	9-7213	0.1	9-5544	0.1	
		1/2"	9-7005	0.1	9-5545	0.1	
		3/4"	9-7190	0.2	9-5546	0.2	
		1"	9-6992	0.3	9-5547	0.3	
		1 1/4"	9-7088	0.4	9-5548	0.4	
		1 1/2"	9-7052	0.6	9-5549	0.6	
		2"	9-7130	0.9	9-5550	0.9	
		2-1/2"	9-7158	1.5	9-5551	1.5	
		3"	9-7175	2.2	9-5552	2.2	
4"	9-7228	4	9-5553	4			
6"	9-7242	9.2	9-5554	9.2			

Class 150 Pounds

## PITOT TUBE



6-1530

## PLUG (ZAMAC)



1/2"	3-0371	0.1
3/4"	3-0372	0.1
1"	3-0370	0.1
1 1/4"	6-9699	0.2

- \* Die cast zinc alloy
- \* Will not seize, rust or gall
- \* Precision machined threads to NPT standards
- \* Clean-Lightweight

## BELL REDUCER (ZAMAC)



Female x Female threaded.

3/4" x 1/2"	6-1568	0.2
1" x 1/2"	6-1569	0.2
1" x 3/4"	6-1570	0.2

- \* Die cast zinc alloy
- \* Will not seize, rust or gall
- \* Precision machined threads to NPT standards
- \* Clean-Lightweight

## BUSHING (ZAMAC)



Male x Female threaded.

3/4" x 1/2"	6-1565	0.1
1" x 1/2"	6-1566	0.2
1" x 3/4"	6-1567	0.2

- \* Die cast zinc alloy
- \* Will not seize, rust or gall
- \* Precision machined threads to NPT standards
- \* Clean-Lightweight

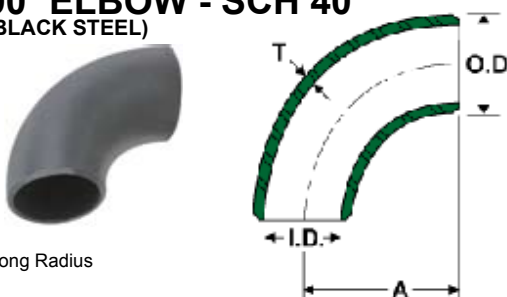
## SLEEVE COUPLING (ZAMAC)

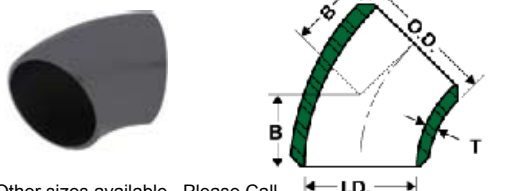


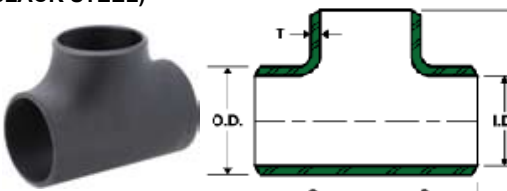
1/2"	9-6821	0.2
3/4"	6-1741	0.2
1"	6-1742	0.2


- \* Die cast zinc alloy
- \* Will not seize, rust or gall
- \* Precision machined threads to NPT standards
- \* Clean-Lightweight


# SCH 40 BLACK BUTT-WELD FITTINGS

Product	Description	Part Number	Weight	List Price		
<b>90° ELBOW - SCH 40</b> (BLACK STEEL) 	Wall Thickness 3" .216 4" .237 6" .280 8" .322 10" .365 12" .375	OD 3.50 4.50 6.62 8.62 10.75 12.75	ID 3.07 4.03 6.06 7.97 10.02 12.00	"A" 4.5 6.0 9.0 12.0 15.0 18.0	9-5231 9-5233 9-5235 9-5237 9-5227 9-5229	4.8 8.9 24.0 47.8 83.4 123.0
	-Long Radius * Other sizes available. Please Call.					

<b>45° ELBOW - SCH 40</b> (BLACK STEEL) 	Wall Thickness 3" .216 4" .237 6" .280 8" .322 10" .365 12" .375	OD 3.50 4.50 6.62 8.62 10.75 12.75	ID 3.07 4.03 6.06 7.97 10.02 12.00	"B" 2.0 2.5 3.75 5.0 6.25 7.5	9-5230 9-5232 9-5234 9-5236 9-5226 9-5228	2.5 4.5 11.7 23.3 40.9 61.4
	* Other sizes available. Please Call.					

<b>TEE - SCH 40</b> (BLACK STEEL) 	Wall Thickness 3" .216 4" .237 6" .280 8" .322 10" .365 12" .375	OD 3.50 4.50 6.62 8.62 10.75 12.75	ID 3.07 4.03 6.06 7.97 10.02 12.00	"C" 3.38 4.12 5.62 7.0 8.5 10.0	9-5282 9-5283 9-5284 9-5285 9-5280 9-5281	7.2 12.7 33.1 56.5 90.9 136.0
	* Other sizes available. Please Call.					

<b>CONCENTRIC CONE - SCH 40</b> (BLACK STEEL) 	3"x2" 3"x2-1/2" 4"x2-1/2" 4"x3" 6"x4" 6"x5" 8"x4" 8"x6" 10"x6" 10"x8" 12"x10" 12"x8"	3.5 3.5 4.0 4.0 5.5 5.5 6.0 6.0 7.0 8.0 8.0 8.0	9-5190 9-5191 9-5192 9-5193 9-5194 9-5195 9-5196 9-5197 9-5186 9-5187 9-5188 9-5189	2 2.2 3.2 3.3 7.4 7.6 10.8 12.3 20.7 22.1 32.4 30.5
	* Other sizes available. Please Call.			

<b>ECCENTRIC CONE - SCH 40</b> (BLACK STEEL) 	3"x2" 3"x2-1/2" 4"x2-1/2" 4"x3" 6"x4" 6"x5" 8"x4" 8"x6" 10"x6" 10"x8" 12"x10" 12"x8"	9-5218 9-5219 9-5220 9-5221 9-5222 9-5223 9-5224 9-5225 9-5214 9-5215 9-5216 9-5217	2 2.2 3.2 3.3 7.4 7.6 10.8 12.3 20.7 22.1 32.4 30.5	
	* Other sizes available. Please Call.			

Fittings



**LABOR/REPAIR CHARGES**

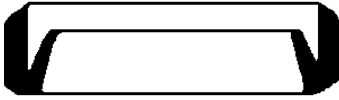

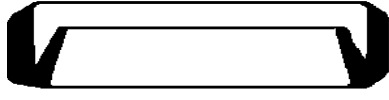

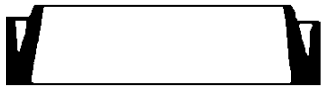
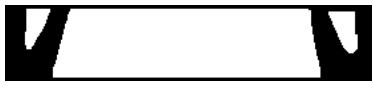
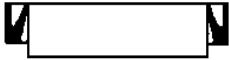
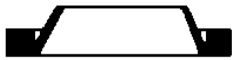
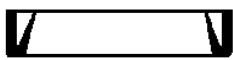

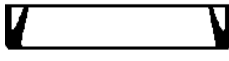
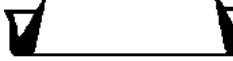
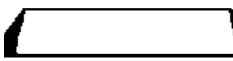

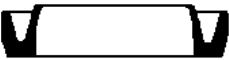
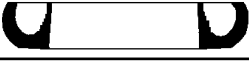

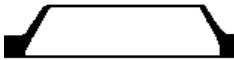
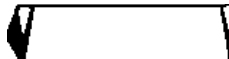
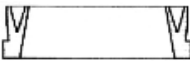
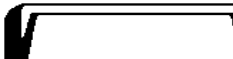

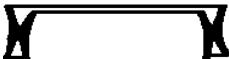
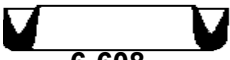

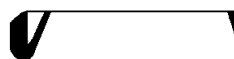
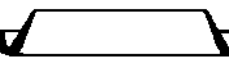
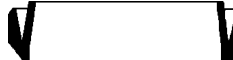
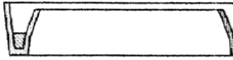


	<u>Part Number</u>	<u>List Price</u>	
<b>Welding (per inch)</b> (Steel or Aluminum)	Weld/Inch		
<b>Weld Around</b> (Steel or Aluminum)	WA2	2"	
	WA3	3"	
	WA4	4"	
	WA5	5"	
	WA6	6"	
	WA8	8"	
	WA10	10"	
	WA12	12"	
	WA14	14"	
	WA15	15"	
	WA16	16"	
	WA18	18"	
	WA20	20"	
	WA21	21"	
	WA22	22"	
	WA24	24"	
<b>Diagonal Weld Around</b> (Steel or Aluminum)	DWA2	2"	
	DWA3	3"	
	DWA4	4"	
	DWA5	5"	
	DWA6	6"	
	DWA8	8"	
	DWA10	10"	
	DWA12	12"	
	DWA14	14"	
	DWA15	15"	
	DWA16	16"	
	DWA18	18"	
	DWA20	20"	
	DWA21	21"	
	DWA22	22"	
	DWA24	24"	
<b>Rout Gate Hole</b>	GATE		
<b>Roll Aluminum Pipe End</b>			
<b>Labor/Hour</b>	Pump repair or any miscellaneous items. Labor		
<b>Delivery</b>	<b>Car/pickup without trailer</b>	<b>Del Car</b>	<b>1.00/mile, one way</b>
	<b>Pickup/diesel with trailer</b>	<b>Del Truck</b>	<b>3.00/mile, one way</b>
<b>Cut Charge, Steel</b>	CS		
<b>Cut Charge, Alum</b>	CA		
<b>Diagonal Cut, Steel</b>	DCS		
<b>Diagonal Cut, Alum</b>	DCA		

**CAN'T FIND A GASKET  
LISTED TO MATCH  
YOUR PIPE?**

**CALL OR SEND  
A SAMPLE!**

**MOST LIKELY  
ANOTHER GASKET  
WILL INTERCHANGE  
WITH YOURS!**

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>DIAMOND</b></p>  <p>6-612_</p>	<p><b>FIBERSTRONG</b></p>  <p>6-681_</p>	<p><b>MATHISON</b></p> <p>RING (Same as Race and Race) FULL</p>  <p>6-621_</p>  <p>6-622_</p>		

<p><b>MCDOWELL</b></p> <p>STANDARD</p> <p>6-623_ RING LOCK 6-670_</p>	<p><b>RACE &amp; RACE</b></p> <p>DEMOUNTABLE CONTRACTOR</p> <p>6-632_ 6-701_</p>	<p><b>SHUR-RANE</b></p> <p>CHEVRON</p> <p>6-641_</p>	<p><b>TEX-FLO (HASTINGS)</b></p> <p>Square back</p> <p>6-650_</p>
<p><b>MIDWEST</b></p> <p>6-624_</p>	<p><b>RAIN-CONTROL</b></p> <p>2" only</p> <p>6-633_</p>	<p><b>SHUR-RANE</b></p> <p>OLD STYLE (SAME AS VERMEER)</p> <p>6-642_</p>	<p><b>VERMEER</b></p> <p>(SAME AS SHUR-RAIN OLD STYLE)</p> <p>6-651</p>
<p><b>MOORE-RANE</b></p> <p>6-625_</p>	<p><b>RAINBO</b></p> <p>6-634_</p>	<p><b>STOUT - New Style</b></p> <p>(Ireco) -For male end of pipe</p> <p>6-643_</p>	<p><b>WADE RAIN Bolt-On</b></p> <p>6-683_</p>
<p><b>MOULTON 6-626_</b></p>	<p><b>RAIN-OW</b></p> <p>6-635_</p>	<p><b>STOUT - Old</b></p> <p>6-644_</p>	<p><b>WADE RAIN New Style</b></p> <p>6-652_</p>
<p><b>OAKS 6-664_</b></p>	<p><b>RAIN-FOR-RENT</b></p> <p>6-636_</p>	<p><b>STOUT - Old</b></p> <p>FOR ALUMINUM COUPLERS</p> <p>6-682_</p>	<p><b>WADE RAIN Old Style</b></p> <p>6-653_</p>
<p><b>OLIVER 6-663_</b></p>	<p><b>RAINMAKER</b></p> <p>6-637_</p>	<p><b>STOUT - Seal Ring</b></p> <p>6-645_</p>	<p><b>WEBSTER</b></p> <p>ECONO LOCK TRIGGER LOCK</p> <p>6-655_ 6-654_</p>
<p><b>PACIFIC 6-627_</b></p> <p>Speed lock - new style</p>	<p><b>RAINWAY</b></p> <p>Round back</p> <p>6-638_</p>	<p><b>STOUT - Towline seal</b></p> <p>6-646_</p>	<p><b>WESTERN</b></p> <p>6-656_</p>
<p><b>PACIFIC 6-628_</b></p> <p>Speed lock - old style</p>	<p><b>RAVIT</b></p> <p>4" RAVIT SAME AS 4"</p> <p>6-662_</p>	<p><b>STROLYTE</b></p> <p>6-647_</p>	<p><b>WHEEL TRAC</b></p> <p>6-657_</p>
<p><b>PIERCE - Flatback</b></p> <p>6-629_</p>	<p><b>REDI-RAIN</b></p> <p>6-639_</p>	<p><b>SURE-FLO</b></p> <p>6-648_</p>	<p><b>WYSS</b></p> <p>SEAL RING STANDARD</p> <p>6-659_ 6-658_</p>
<p><b>PIERCE - Triple Lip</b></p> <p>6-678_</p>	<p><b>RACE &amp; RACE</b></p> <p>SAME AS MATHISON RING</p> <p>6-631_</p>	<p><b>SHUR-RANE</b></p> <p>Drain - New Style</p> <p>6-640_</p>	<p><b>TEX-FLO (HASTINGS)</b></p> <p>Round back SAME AS AUTHENTIC</p> <p>6-649_</p>
<p><b>PORT-ALUM</b></p> <p>6-630_</p>	<p><b>SHUR-RANE</b></p> <p>Drain - New Style</p> <p>6-640_</p>	<p><b>TEX-FLO (HASTINGS)</b></p> <p>Round back SAME AS AUTHENTIC</p> <p>6-649_</p>	<p><b>SPRING</b> McDowell</p> <p>ABC</p> <p>6-660_ 6-661_</p>

# 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											
6-600_	Ace											
6-605_	Akron											
6-601_	Ames	ABC										
6-602_	Ames	Hi-Lo										
6-603_	Ames	Suction										
6-604_	Alut											
6-606_	Ben Gar											
6-607_	Champion											
6-999_	Cloudburst											
6-802_	Cobb											
6-608_	Commetco											
6-611_	Decoto											
6-612_	Diamond											
6-613_	Dragon											
6-609_	Dresser	Gheen										
6-610_	Dresser	Naco										
6-614_	Farmland	SBS										
6-615_	Farmland	Green Dot										
6-165_	Felton (Felton, General Ind)											
6-681_	Fiberstrong											
6-616_	Flex-O-Seal											
6-163_	Gheen (Cozad)											
6-617_	Habco											
6-618_	Ireco	AE										
6-619_	Ireco	Steelume										
6-620_	Ireco (Columbus)	Old Style										
6-161_	Lindsay											
6-622_	Mathison	Full										
6-621_	Mathison	Ring										
6-623_	McDowell											
6-670_	McDowell	Ringlock										
6-624_	Midwest											
6-625_	Moore-Rain											
6-626_	Moulton											
6-664_	Oaks											
6-663_	Oliver											
6-627_	Pacific Speedlock	New Style										
6-628_	Pacific Speedlock	Old Style										
6-629_	Pierce	Flatback										
6-162_	Pierce	Roundback										
6-678_	Pierce	Triple Lip										
6-630_	Port-Alum											
6-631_	Race & Race											
6-632_	Race & Race	Demountable										
6-701_	Race & Race	Contractor										
6-633_	Rain-Control (Hardie)											
6-634_	Rainbow											
6-635_	Rain-ow											
6-636_	Rain-for-Rent	Wosco										
6-637_	Rainmaker											
6-638_	Rainway	Roundback										
6-166_	Rainway	Squareback										
6-662_	Ravit											

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.

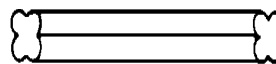
		Size Code:	2	3	4	5	6	7	8	9	0	1
Part #	Brand Name	Type	2"	3"	4"	5"	6"	7"	8"	9"	10"	12"
6-639_	Redi-Rain											
6-640_	Shur-Rane	Drain-New Style										
6-641_	Shur-Rane	Non-Drain(Chevron)										
6-642_	Shur-Rane	Old Style										
6-643_	Stout	New Style										
6-644_	Stout	Old Style										
6-682_	Stout	Old Style(Alum Cplr)										
6-645_	Stout	Seal Ring										
6-646_	Stout (Coover 3-1/2)	Towline Seal										
6-647_	Strolyte											
6-648_	Sure-Flo											
6-649_	Tex-Flo	Roundback										
6-650_	Tex-Flo	Squareback										
6-651_	Vermeer											
6-683_	Wade Rain	Bolt-on										
6-652_	Wade Rain	New Style										
6-653_	Wade Rain	Old Style										
6-654_	Webster	Trigger Lock										
6-655_	Webster	Econo Lock										
6-656_	Western											
6-657_	Wheel Trac											
6-658_	Wyss	Standard										
6-659_	Wyss	Seal Ring										
6-8008	Wade Rain Powerroll	4"										
6-8009	Wade Rain Powerroll	4.5"										
6-8015	Wade Rain Powerroll	5"										

**Odd Gasket Sizes:**

Part #	Brand	Size	Price
6-6896	A&M	4-1/2"	
6-1612	Pierce, Roundback	1-5/16"	
6-1613	Pierce, Roundback	2-1/4"	
6-1615	Pierce, Roundback	2-1/2"	
6-1617	Pierce, Roundback	6-5/8"	
6-1619	Pierce, Roundback	8-5/8"	
6-6087	Commetco	2-1/2"	
6-6197	Irreco, Steelume	5-1/4"	
6-6371	Rainmaker	1-1/2"	
6-6727	Gheen, Dresser	4-1/2"	
6-6728	Gheen, Dresser	6-5/8"	
6-6729	Gheen, Dresser	8-5/8"	

**Wheeline Gaskets**

Part #	Brand	Wall Middle to Middle	Price
6-8000	Western, Round	3/16" x 4-1/2"	
6-8001	Western, WID-E-1	3/16" x 4-7/8"	
6-8002	Alumax, Round	1/4" x 4-3/4"	
6-8003	Alumax, Square	1/4" x 4-3/4"	
6-8004	Trunnell, Quad 4	1/4" x 4-3/8"	
6-8005	Trunnell, Quad 5	1/4" x 5-1/2"	
6-8006	Trunnell, Quad 4	1/4" x 4-3/4"	
6-8007	Western Steel	3/16" x 4-15/16"	



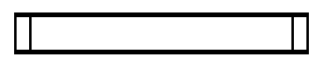
Trunnell



Western



Alumax - Round



Alumax - Square

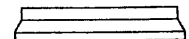
**Springs:**

Part #	Brand	2"	3"	4"	5"	6"	7"	8"
6-660_	Ames ABC							
6-661_	McDowell							

**Pierce Wedge-Tite:**

For Bolt-on Flange Pack Repair & Dresser Couplers

Part #	Brand	4"	5"	6"	8"	10"	12"	15"
6-669_	NOM (OD)							
6-668_	PIP							
6-667_	IPS							



# NIPPLES, TBE, STEEL BLACK

## Black



### Steel Black Nipples

Steel Black	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	9-6348		9-6365		9-6382		9-6399		9-6416		9-6433		9-6449	
1-1/2" Long	9-6349		9-6366		9-6383		9-6400		9-6417					
2" Long	9-6350		9-6367		9-6384		9-6401		9-6418		9-6434		9-6450	
2-1/2" Long	9-6351		9-6368		9-6385		9-6402		9-6419		9-6435		9-6451	
3" Long	9-6352		9-6369		9-6386		9-6403		9-6420		9-6436		9-6452	
3-1/2" Long	9-6353		9-6370		9-6387		9-6404		9-6421		9-6437		9-6453	
4" Long	9-6354		9-6371		9-6388		9-6405		9-6422		9-6438		9-6454	
4-1/2" Long	9-6355		9-6372		9-6389		9-6406		9-6423		9-6439		9-6455	
5" Long	9-6356		9-6373		9-6390		9-6407		9-6424		9-6440		9-6456	
5-1/2" Long	9-6357		9-6374		9-6391		9-6408		9-6425		9-6441		9-6457	
6" Long	9-6358		9-6375		9-6392		9-6409		9-6426		9-6442		9-6458	
7" Long	9-6359		9-6376		9-6393		9-6410		9-6427		9-6443		9-6459	
8" Long	9-6360		9-6377		9-6394		9-6411		9-6428		9-6444		9-6460	
9" Long	9-6361		9-6378		9-6395		9-6412		9-6429		9-6445		9-6461	
10" Long	9-6362		9-6379		9-6396		9-6413		9-6430		9-6446		9-6462	
11" Long	9-6363		9-6380		9-6397		9-6414		9-6431		9-6447		9-6463	
12" Long	9-6364		9-6381		9-6398		9-6415		9-6432		9-6448		9-6464	

TBE (threaded both ends)

### Steel Black Nipples

Steel Black	1-1/2"		2"		2-1/2"		3"		4"		6"		8"	
	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	9-6465		9-6481		9-6496		9-6510		9-6524		9-6537		9-7696	
1-1/2" Long														
2" Long	9-6466													
2-1/2" Long	9-6467		9-6482											
3" Long	9-6468		9-6483		9-6497		9-6511							
3-1/2" Long	9-6469		9-6484		9-6498		9-6512							
4" Long	9-6470		9-6485		9-6499		9-6513		9-6526					
4-1/2" Long	9-6471		9-6486		9-6500		9-6514		9-6527					
5" Long	9-6472		9-6487		9-6501		9-6515		9-6528					
5-1/2" Long	9-6473		9-6488		9-6502		9-6516		9-6529					
6" Long	9-6474		9-6489		9-6503		9-6517		9-6530		9-6541		9-7697	
7" Long	9-6475		9-6490		9-6504		9-6518		9-6531		9-6542			
8" Long	9-6476		9-6491		9-6505		9-6519		9-6532		9-6543		9-7698	
9" Long	9-6477		9-6492		9-6506		9-6520		9-6533		9-6544			
10" Long	9-6478		9-6493		9-6507		9-6521		9-6534		9-6545		9-7699	
11" Long	9-6479		9-6494		9-6508		9-6522		9-6535		9-6546			
12" Long	9-6480		9-6495		9-6509		9-6523		9-6536		9-6547		9-7700	

TBE (threaded both ends)

# NIPPLES, TBE, STEEL GALVANIZED

## Galvanized



### Steel Galvanized Nipples

Steel Galvanized	1/8" Diameter		1/4" Diameter		3/8" Diameter		1/2" Diameter		3/4" Diameter		1" Diameter		1-1/4" 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
Close	9-6548		9-6565		9-6582		9-6599		9-6616		9-6633		9-6649	
1-1/2" Long	9-6549		9-6566		9-6583		9-6600		9-6617					
2" Long	9-6550		9-6567		9-6584		9-6601		9-6618		9-6634		9-6650	
2-1/2" Long	9-6551		9-6568		9-6585		9-6602		9-6619		9-6635		9-6651	
3" Long	9-6552		9-6569		9-6586		9-6603		9-6620		9-6636		9-6652	
3-1/2" Long	9-6553		9-6570		9-6587		9-6604		9-6621		9-6637		9-6653	
4" Long	9-6554		9-6571		9-6588		9-6605		9-6622		9-6638		9-6654	
4-1/2" Long	9-6555		9-6572		9-6589		9-6606		9-6623		9-6639		9-6655	
5" Long	9-6556		9-6573		9-6590		9-6607		9-6624		9-6640		9-6656	
5-1/2" Long	9-6557		9-6574		9-6591		9-6608		9-6625		9-6641		9-6657	
6" Long	9-6558		9-6575		9-6592		9-6609		9-6626		9-6642		9-6658	
7" Long	9-6559		9-6576		9-6593		9-6610		9-6627		9-6643		9-6659	
8" Long	9-6560		9-6577		9-6594		9-6611		9-6628		9-6644		9-6660	
9" Long	9-6561		9-6578		9-6595		9-6612		9-6629		9-6645		9-6661	
10" Long	9-6562		9-6579		9-6596		9-6613		9-6630		9-6646		9-6662	
11" Long	9-6563		9-6580		9-6597		9-6614		9-6631		9-6647		9-6663	
12" Long	9-6564		9-6581		9-6598		9-6615		9-6632		9-6648		9-6664	

### TBE (threaded both ends)

### Steel Galvanized Nipples

Steel Galvanized	1-1/2" Diameter		2" Diameter		2-1/2" Diameter		3" Diameter		4" Diameter		6" 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
Close	9-6665		9-6681		9-6696		9-6710		9-6724		9-6737	
1-1/2" Long												
2" Long	9-6666											
2-1/2" Long	9-6667		9-6682									
3" Long	9-6668		9-6683		9-6697		9-6711					
3-1/2" Long	9-6669		9-6684		9-6698		9-6712					
4" Long	9-6670		9-6685		9-6699		9-6713		9-6726			
4-1/2" Long	9-6671		9-6686		9-6700		9-6714		9-6727			
5" Long	9-6672		9-6687		9-6701		9-6715		9-6728			
5-1/2" Long	9-6673		9-6688		9-6702		9-6716		9-6729			
6" Long	9-6674		9-6689		9-6703		9-6717		9-6730		9-6741	
7" Long	9-6675		9-6690		9-6704		9-6718		9-6731		9-6742	
8" Long	9-6676		9-6691		9-6705		9-6719		9-6732		9-6743	
9" Long	9-6677		9-6692		9-6706		9-6720		9-6733		9-6744	
10" Long	9-6678		9-6693		9-6707		9-6721		9-6734		9-6745	
11" Long	9-6679		9-6694		9-6708		9-6722		9-6735		9-6746	
12" Long	9-6680		9-6695		9-6709		9-6723		9-6736		9-6747	

### TBE (threaded both ends)



# NIPPLES, TBE, PVC SCH80



## PVC SCH80 Nipples

PVC SCH80	1/8" Diameter		1/4" Diameter		3/8" Diameter		1/2" Diameter		3/4" Diameter		1" Diameter		1-1/4" 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
Close	9-5966		9-5997		9-6028		9-6059		9-6090		9-6121		9-6151	
1-1/2" Long	9-5967		9-5998		9-6029		9-6060		9-6091					
2" Long	9-5968		9-5999		9-6030		9-6061		9-6092		9-6122		9-6152	
2-1/2" Long	9-5969		9-6000		9-6031		9-6062		9-6093		9-6123		9-6153	
3" Long	9-5970		9-6001		9-6032		9-6063		9-6094		9-6124		9-6154	
3-1/2" Long	9-5971		9-6002		9-6033		9-6064		9-6095		9-6125		9-6155	
4" Long	9-5972		9-6003		9-6034		9-6065		9-6096		9-6126		9-6156	
4-1/2" Long	9-5973		9-6004		9-6035		9-6066		9-6097		9-6127		9-6157	
5" Long	9-5974		9-6005		9-6036		9-6067		9-6098		9-6128		9-6158	
5-1/2" Long	9-5975		9-6006		9-6037		9-6068		9-6099		9-6129		9-6159	
6" Long	9-5976		9-6007		9-6038		9-6069		9-6100		9-6130		9-6160	
7" Long	9-5977		9-6008		9-6039		9-6070		9-6101		9-6131		9-6161	
8" Long	9-5978		9-6009		9-6040		9-6071		9-6102		9-6132		9-6162	
9" Long	9-5979		9-6010		9-6041		9-6072		9-6103		9-6133		9-6163	
10" Long	9-5980		9-6011		9-6042		9-6073		9-6104		9-6134		9-6164	
11" Long	9-5981		9-6012		9-6043		9-6074		9-6105		9-6135		9-6165	
12" Long	9-5982		9-6013		9-6044		9-6075		9-6106		9-6136		9-6166	
13" Long	9-5983		9-6014		9-6045		9-6076		9-6107		9-6137		9-6167	
14" Long	9-5984		9-6015		9-6046		9-6077		9-6108		9-6138		9-6168	
15" Long	9-5985		9-6016		9-6047		9-6078		9-6109		9-6139		9-6169	
16" Long	9-5986		9-6017		9-6048		9-6079		9-6110		9-6140		9-6170	
17" Long	9-5987		9-6018		9-6049		9-6080		9-6111		9-6141		9-6171	
18" Long	9-5988		9-6019		9-6050		9-6081		9-6112		9-6142		9-6172	
19" Long	9-5989		9-6020		9-6051		9-6082		9-6113		9-6143		9-6173	
20" Long	9-5990		9-6021		9-6052		9-6083		9-6114		9-6144		9-6174	
22" Long	9-5991		9-6022		9-6053		9-6084		9-6115		9-6145		9-6175	
24" Long	9-5992		9-6023		9-6054		9-6085		9-6116		9-6146		9-6176	
30" Long	9-5993		9-6024		9-6055		9-6086		9-6117		9-6147		9-6177	
36" Long	9-5994		9-6025		9-6056		9-6087		9-6118		9-6148		9-6178	
42" Long	9-5995		9-6026		9-6057		9-6088		9-6119		9-6149		9-6179	
48" Long	9-5996		9-6027		9-6058		9-6089		9-6120		9-6150		9-6180	

## TBE (threaded both ends)

### PVC SCH80 Nipples

PVC SCH80	1-1/2" Diameter		2" Diameter		2-1/2" Diameter		3" Diameter		4" Diameter		6" 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
Close	9-6181		9-6211		9-6240		9-6268		9-6296		9-6323	
1-1/2" Long												
2" Long	9-6182											
2-1/2" Long	9-6183		9-6212									
3" Long	9-6184		9-6213		9-6241		9-6269					
3-1/2" Long	9-6185		9-6214		9-6242		9-6270		9-6297			
4" Long	9-6186		9-6215		9-6243		9-6271		9-6298			
4-1/2" Long	9-6187		9-6216		9-6244		9-6272		9-6299		9-6324	
5" Long	9-6188		9-6217		9-6245		9-6273		9-6300		9-6325	
5-1/2" Long	9-6189		9-6218		9-6246		9-6274		9-6301		9-6326	
6" Long	9-6190		9-6219		9-6247		9-6275		9-6302		9-6327	
7" Long	9-6191		9-6220		9-6248		9-6276		9-6303		9-6328	
8" Long	9-6192		9-6221		9-6249		9-6277		9-6304		9-6329	
9" Long	9-6193		9-6222		9-6250		9-6278		9-6305		9-6330	
10" Long	9-6194		9-6223		9-6251		9-6279		9-6306		9-6331	
11" Long	9-6195		9-6224		9-6252		9-6280		9-6307		9-6332	
12" Long	9-6196		9-6225		9-6253		9-6281		9-6308		9-6333	
13" Long	9-6197		9-6226		9-6254		9-6282		9-6309		9-6334	
14" Long	9-6198		9-6227		9-6255		9-6283		9-6310		9-6335	
15" Long	9-6199		9-6228		9-6256		9-6284		9-6311		9-6336	
16" Long	9-6200		9-6229		9-6257		9-6285		9-6312		9-6337	
17" Long	9-6201		9-6230		9-6258		9-6286		9-6313		9-6338	
18" Long	9-6202		9-6231		9-6259		9-6287		9-6314		9-6339	
19" Long	9-6203		9-6232		9-6260		9-6288		9-6315		9-6340	
20" Long	9-6204		9-6233		9-6261		9-6289		9-6316		9-6341	
22" Long	9-6205		9-6234		9-6262		9-6290		9-6317		9-6342	
24" Long	9-6206		9-6235		9-6263		9-6291		9-6318		9-6343	
30" Long	9-6207		9-6236		9-6264		9-6292		9-6319		9-6344	
36" Long	9-6208		9-6237		9-6265		9-6293		9-6320		9-6345	
42" Long	9-6209		9-6238		9-6266		9-6294		9-6321		9-6346	
48" Long	9-6210		9-6239		9-6267		9-6295		9-6322		9-6347	

**PVC Sch80**



## TBE (threaded both ends)

## Section Six



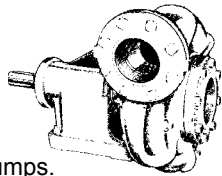
**Pumps**  
**Diesel Pumping Units**  
**Propane Pumping Units**  
**PTO Pumps**  
**Rovatti PTO Irrigation Pump**  
**PTO Slurry/Chopper Pumps**  
**Pump Accessories**  
**Couplers/Pipe/Hose**

**Screens & Fittings**  
**Foot Valve Parts**  
**Priming Valves**  
**Primers**  
**Generators**  
**Murphy Switches**  
**Hand Primers**

Product	Description	Part Number	Weight	List Price
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## SINGLE-STAGE ENGINE MOUNT PUMPS

### BERKELEY



Pedestal Mount:

@ 2200 rpm

	GPM	PSI		
B3ZRM	250-850	60-45	-	120.0
<b>B3JRMBM</b>	400-900	130-110	-	150.0
B4JRMBH	600-1500	125-100	-	319.0

\*Call for other pumps.



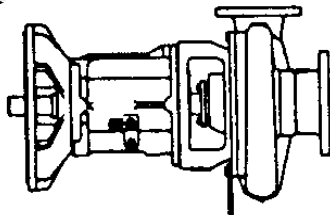
Direct Mount:

@ 2000 rpm

	GPM	PSI		
B3JQBM	300-850	110-85		365.0
B4JQBH	450-1500	100-70		400.0
B4EYQBH	500-1400	190-130		620.0
B6JQBM	750-2250	100-70		475.0

\*Call for other pumps. Flywheel coupling NOT included.

### CORNELL



Direct Mount:

@ 2200 rpm

	GPM	PSI		
4RB	300-1500	95-65		520.0
5RB	400-2200	104-70		715.0
6RB	750-4000	100-75		815.0
3HA	300-900	140-115		615.0
5HH	300-1400	120-95		695.0
6HH	1200-3600	155-120		845.0

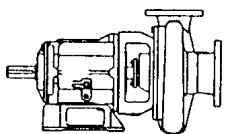
\*Call for other pumps. Flywheel coupling included.

\*6HH is rated at 2000 rpm.

\*Cornell pumps work well at 3,000 gpm's & higher.

## SLURRY & CHOPPER ENGINE MOUNT PUMPS

### CORNELL-SLURRY



@ 2000 rpm

	GPM	PSI		
3HM	0-800	140-100	-	
4x4x14T	300-1500	130-100	-	

\*3HM has an open impeller & therefore will handle stringy material

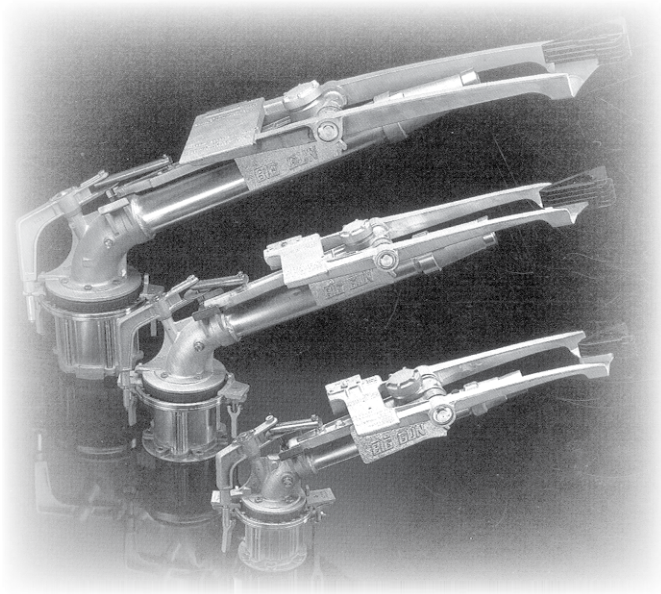
\*4x4x14T has a 2-port impeller & therefore will not handle stringy material. (Excellent for hog manure)

### DODA-CHOPPER

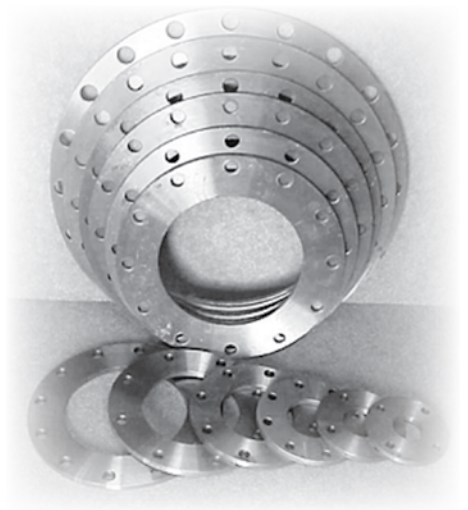


@ 2000 rpm

	GPM	PSI	HP	
27 PD	300-900	72-10	37-54	-
35 PD	300-1300	120-38	80-115	




Always Open...  
**SchumacherIrrigation.com**  
*Your Irrigation Superstore*



# FLOATING PUMPS



Product	Description	Part Number	Weight	List Price
<b>FLOATS</b> 	<u>W x L x H</u>	<u>Float Capacity (lbs)</u>	<u>Ship</u>	
	24"x36"x12"	335	UPS	9-6918 32
	24"x48"x12"	490	UPS	9-6919 32
	36"x48"x12"	470	CC	9-6920 34
	24"x48"x16"	700	UPS	9-6921 41
	24"x36"x18"	600	UPS	9-6922 35
	24"x48"x18"	650	CC	9-6923 41
	36"x48"x18"	1000	CC	9-6924 52
	24"x48"x24"	900	CC	9-6925 50

\* Thick-walled Molded Polyethylene Shell  
 \* Encapsulated Expanded Polystyrene Foam  
 \* 12 Year Warranty

## FLOATING PUMPS TURBI-FLOAT®

Floating Pumps



**Applications:**

- Irrigation
- Municipal
- Industrial
- Commercial

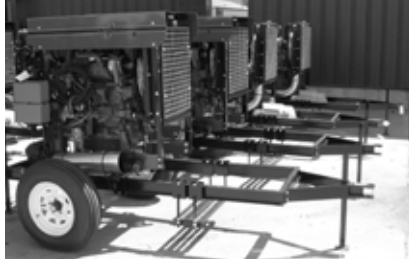
Group No.	Discharge Body	GPM	PSI
One	4"	100-525	61-26
Two	4"	100-525	94-10
Three	6"	400-1100	20-11
Four	6" & 8"	400-1200	67-23
Five	4" & 6"	400-1100	135-48
Six	8" & 10"	1100-3250	33-7
Seven	8"	1100-1750	93-28
Eight	10"	2250-3250	14-6
Nine	10"	2300-4000	63-32



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.

Product	Description	Part Number	Weight	List Price
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## DIESEL IRRIGATION PUMPING UNITS



Model	Engine	Pump	@2000 rpm		List Price
			GPM	PSI	
John Deere	4045T	B4JQBH	400-1500	104-70	
John Deere	4039T	B3JQBM	300-860	108-78	
John Deere	6059T	B4JQBH	400-1500	104-70	
John Deere	6059T	B6JQBM	750-2250	104-70	



### 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

Pumps & Accessories

# PTO PUMPS



Product	Description	Part Number	Weight	List Price
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## PTO IRRIGATION PUMPS

### CAPRARI



Gear Driven

Model	RPM	Inlet/Outlet	GPM	PSI	Part Number	Weight	Price
D2/40	540	2"x2"	50-150	146-133	8-0221	200.0	
D1/50	540	2"x2"	50-300	90-76	8-0232	365.0	
D2/50	540	3"x2"	50-250	135-121	8-0222	215.0	
D3/50	540	3"x2"	70-300	170-133	8-0223	230.0	
D2/65	540	4"x4"	100-450	107-97	8-0224	360.0	
D3/65	540	4"x4"	150-500	161-136	8-0225	270.0	
D2/80	540	5"x4"	200-700	110-99	8-0227	275.0	
DO4/80	540	5"x4"	200-700	167-143	8-0228	380.0	
DMR80 3/2	540	5"x4"	200-800	192-140	8-0230	400.0	
D01/125	540	8"x5"	500-1400	37-21	8-0234	430.0	





### PUMP PERFORMANCE

Model	GPM	GPM																Discharge NPT (F)	Suction NPT (F)				
		50	60	70	80	90	100	150	200	250	300	350	400	450	500	600	700			800	1000	1200	1400
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

Product	Description	Part Number	Weight	List Price
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## ROVATTI IRRIGATION PUMP

ROVATTI	Model	Drive Shaft	RPM	Inlet/Outlet	GPM	PSI	HP	Part Number	Weight	Price
	*TOF-50	--	540	2"x2"	25-130	76-69	9-10	8-0235	45.0	
	T1-40-E	R300/90	540	2-1/2"x1-1/2"	50-130	150-140	13-20	8-0236	220.0	
	T2-40-E	R300/90	540	2-1/2"x1-1/2"	50-130	182-176	21-31	8-0237	255.0	
	T1-65-A-E	R300/90	540	2-1/2"x2"	100-260	88-80	12-19	8-0238	215.0	
	T1-50-E	R300/90	540	2-1/2"x2"	100-260	129-119	19-29	8-0239	240.0	
	T2-50-E	R300/90	540	2-1/2"x2"	100-330	149-125	24-39	8-0240	240.0	
	T2-65-E	R300/90	540	2-1/2"x2"	100-210	159-135	24-35	8-0241	250.0	
	T2-80-E	R300/90	540	3"x2-1/2"	160-460	101-86	18-32	8-0242	240.0	
	T2-85-E	R450/90	540	3"x2-1/2"	160-530	120-102	25-43	8-0243	250.0	
	T3-80A-E	R450/90	540	3"x2-1/2"	160-460	175-165	38-66	8-0244	300.0	
	T3-100A-E	R450/90	540	4"x3"	260-790	111-85	33-55	8-0245	290.0	
	T3-110-E	R600/90	540	4"x3"	260-920	134-108	46-83	8-1425	300.0	
	T4-100-E	R800/90.1	540	4"x3"	260-790	181-143	61-96	8-0246	375.0	
	T4-125-E	R800/90.1	540	5"x4"	530-1060	125-110	65-90	8-0248	375.0	
	MBN20	R450/90	540	8"x8"	1056-2640	37-25	40-55	9-7688	-	

Gear Driven

\*TOF-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			
*TOF-50	PSI HP	76 9	76 9	76 9	75 9	74 9	73 9	72 9	69 9																							2"	2"		
T1-40-E	PSI HP		150 13	149 14	148 15	147 16	145 18	143 19	140 20																								2-1/2"	1-1/2"	
T2-40-E	PSI HP		182 21	181 22	181 24	180 26	179 28	178 29	176 31																									2-1/2"	1-1/2"
T1-65A-E	PSI HP						88 12	88 13	88 13	88 14	87 16	85 17	83 18	80 19																				2-1/2"	2"
T1-50-E	PSI HP						129 19	129 20	129 21	128 23	127 25	125 26	122 28	119 29																				2-1/2"	2"
T2-50-E	PSI HP						149 24	149 25	149 26	148 28	147 30	145 32	143 33	141 35	125 39																			2-1/2"	2"
T2-65-E	PSI HP						159 24	158 25	157 27	153 30	146 32	135 35																						2-1/2"	2"
T2-80-E	PSI HP									101 18	101 20	101 21	100 22	100 24	97 27	93 29	86 32																	3"	2-1/2"
T2-85-E	PSI HP									120 25	120 26	120 28	120 30	119 32	118 35	115 39	110 41	102 43																3"	2-1/2"
T3-80A-E	PSI HP									175 38	175 40	175 42	175 44	175 46	173 53	170 60	165 66																	3"	2-1/2"
T3-100A-E	PSI HP													111 33	111 36	109 39	107 43	104 46	94 51	85 55														4"	3"
T3-110-E	PSI HP													134 46	133 50	133 55	132 59	131 63	128 70	121 77	108 83													4"	3"
T4-100-E	PSI HP													181 61	180 66	180 70	178 74	175 79	166 90	143 96														4"	3"
T4-125-E	PSI HP																	125 65	124 72	122 79	118 85	110 90											5"	4"	
MBN20-E	PSI HP																					37 39	37 41	37 43	36 45	36 47	34 50	32 53	29 54	25 54			8"	8"	
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

Pumps & Accessories



# PTO PUMPS



Product	Description	Part Number	Weight	List Price
<b>BERKELEY</b>				
	<b>Model</b>	<b>RPM</b>	<b>Inlet/Outlet</b>	<b>GPM</b>
	T1-B6ZRM-CCW	540	8"x6"	Get
				<b>PSI</b>
				Get
				<b>Part Number</b>
				9-7815
				<b>Weight</b>
				400.0
				<b>Price</b>



**MODEL T1-B6ZRM CCW (Flood Pump)**

P. T. O. 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	—
			HEAD (FT.)								
			BHP								
NET POSITIVE SUCTION (NPSHR) HEAD REQUIRED (FT.)				11	11	12	12	12	13	13	14

## BERKELEY FLANGE KITS

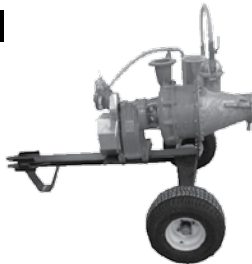
Discharge Priming Valve Flange Kit	6"	9-7817
Suction Flange Kit	8" FPT	9-7818

Product	Description	Part Number	Weight	List Price
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PTO CHOPPER PUMPS

	Model	RPM	HP Req.	GPM	PSI	Part Number	List Price
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### DODA-CHOPPER



AFI-L27	540	40-60	300-900	80-20	8-0252		
AFI-L27	540	72-105	300-1000	130-55	8-0253		
AFI-L27	1000	135-165	300-700	210-175	8-0254		
AFI-L35	540	90-130	400-1300	135-55	8-0255		
AFI-L35	1000	130-170	400-1300	175-80	8-0256		

\*Ideal for cattle manure with straw & hay  
 \*Mechanical seal.  
 \*AFI-L20 does not have a cutter blade

### ROVATTI-CHOPPER



TL2-85GA w/TC85	540	24-39	158-475	114-102	8-0268		
TL3-80GA w/TC80	540	37-53	158-343	172-156	8-0269		
TL3-110GA w/TC110	540	40-64	317-924	127-81	8-0270		
TL4-100GA w/TC100	540	62-94	264-686	183-156	8-0271		
TL4-100GA w/TC100	1000	62-94	264-686	183-156	8-0272		

\*Ideal for hog manure & light dairy.  
 \*Mechanical seal.

The Rovatti chopper/slurry pumps are high-pressure pumps with a unique "bolt-on" chopper system. These units are ideal to effectively transport your manure slurry to the application site. The rotating chopper blade will cut and shred straw and other solids to small particles suitable for pumping and spraying through a volume sprinkler. They will run at much lower horsepower requirements their competitors. For example the TL3-110GA at 540rpm requires only 41 to 64 horsepower, while the comparable Doda DAF1-L27 at 540rpm requires 72 to 105 horsepower.

**Features:**

- Lubricated chopper shaft bushings
- Chopper shaft shear pins to reduce risk of damage to the shaft and impeller
- Special permanently lubricated mechanical seal for longer life
- 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

**Optional Equipment Includes:**

- Automatic priming system which enables you to pump in as little as 15 seconds
- Quick Couplings for fast and easy pipe or hose hookup

Model	GPM	50	100	150	200	250	300	350	400	500	600	700	800	900	1000
TL2-85GA	PSI	112	113	114	114	114	113	111	109						
	HP	20	21	24	28	31	34	36	39						
TL3-80GA	PSI	173	173	172	171	170	163	155							
	HP	32	35	37	41	45	49	53							
TL3-110GA	PSI	126	127	128	129	129	129	127	124	119	112	106	97	84	65
	HP	30	32	34	36	37	40	43	44	48	52	56	60	63	64
TL4-100GA	PSI	184	184	183	183	182	181	179	178	173	166	153			
	HP	48	52	56	59	62	66	70	72	80	87	94			

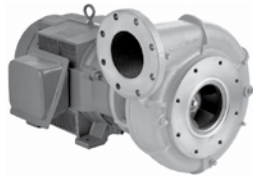
\*will handle solids

Pumps & Accessories

Product	Description	Part Number	Weight	List Price
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## ELECTRIC MOTOR PUMPS

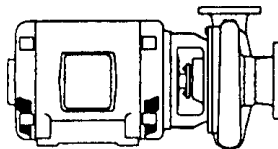
### BERKELEY



Single Phase or Three Phase



### CORNELL



Single Phase or Three Phase



## 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.

## Cooling Coil



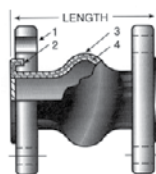
75 hp	OD	
6"	6-5/8"	9-7711
8"	8-5/8"	9-7712
10"	10-3/4"	9-7713

125 hp	OD	
6"	6-5/8"	9-7711
8"	8-5/8"	9-7712
10"	10-3/4"	9-7713

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

## Rubber Expansion Joints



Single Sphere, 4"	6-8031	18.3
Single Sphere, 6"	6-8032	26.8
Single Sphere, 8"	6-8033	40.6
Single Sphere, 10"	6-8034	56.6
Single Sphere, 12"	6-8035	83.0
Double Sphere, 4"	6-8036	20.3
Double Sphere, 6"	6-8037	29.5
Double Sphere, 8"	6-8038	43.8
Double Sphere, 10"	6-8039	64.1
Double Sphere, 12"	6-8040	95.0

\*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.

Product	Description	Part Number	Weight	List Price
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## Gasoline Pumps

**HONDA**

3-1/2 hp, 1-1/2"	WH 15 X	8-0196	48.5
5 hp, 2"	WH 20 X	8-0197	52.0
5.5 hp, 2"	WMP 20 X	8-0198	52.0
8 hp 3"	WT 30 X	6-9839	132.0
11 hp 4"	WT 40 X	6-9840	172.0



**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®

# HONDA

## GENERATORS & PUMPS



**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

Pumps & Accessories



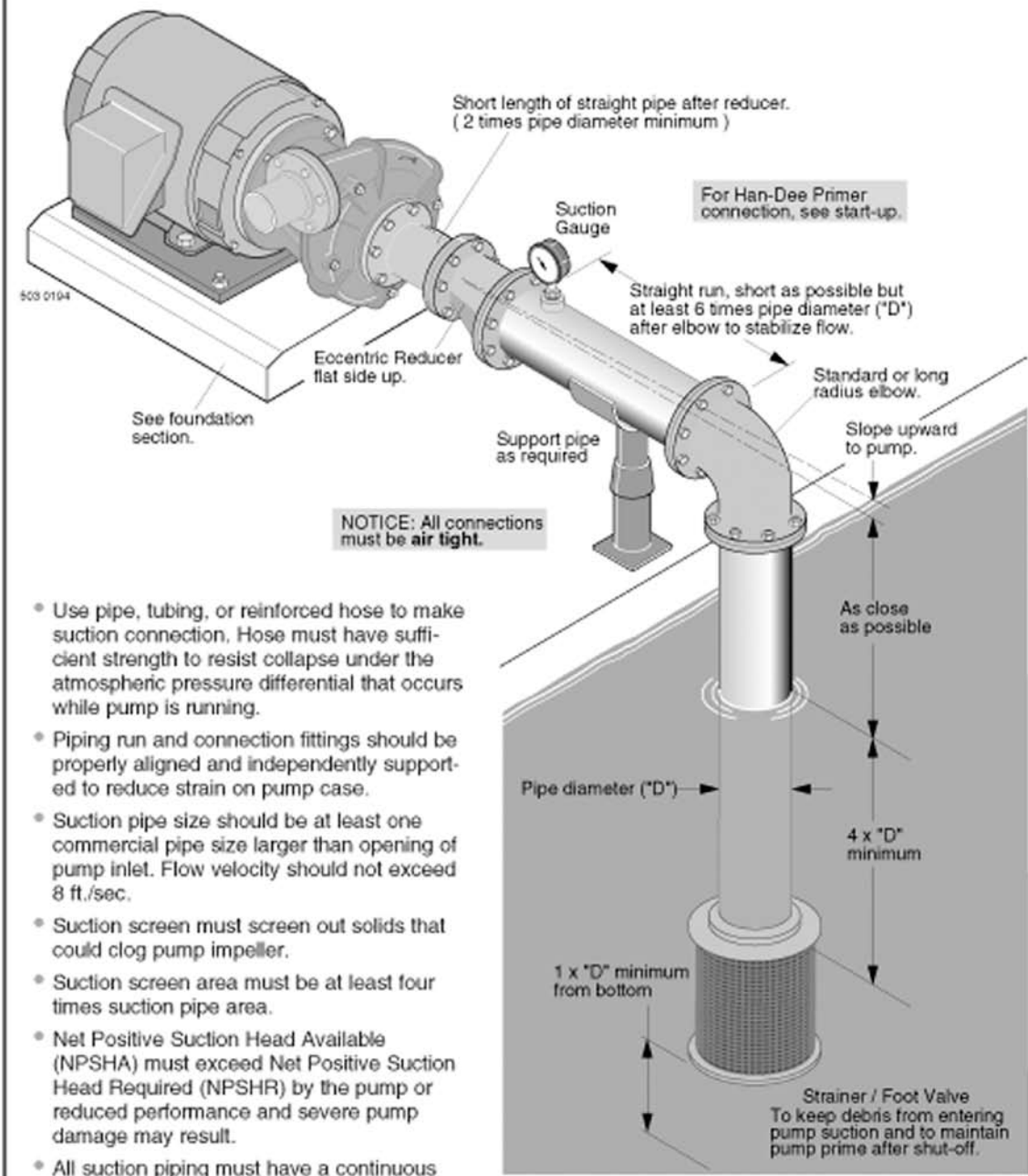
**YOUR COMPLETE SUPPLY  
HOUSE FOR:**

**POWER UNITS  
ENGINES  
MOTORS  
PUMPS  
ENGINE & PUMP PARTS  
& FITTINGS**

**Please call for all of your pumping needs. Just let us know your psi and gpm requirements over the phone, and our computer software will quickly choose the most efficient pump for your conditions.**

**John Deere, Cummins, Perkins, Isuzu, Lister, Deutz and other engines provide quality, dependable service for irrigation use.**

**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**

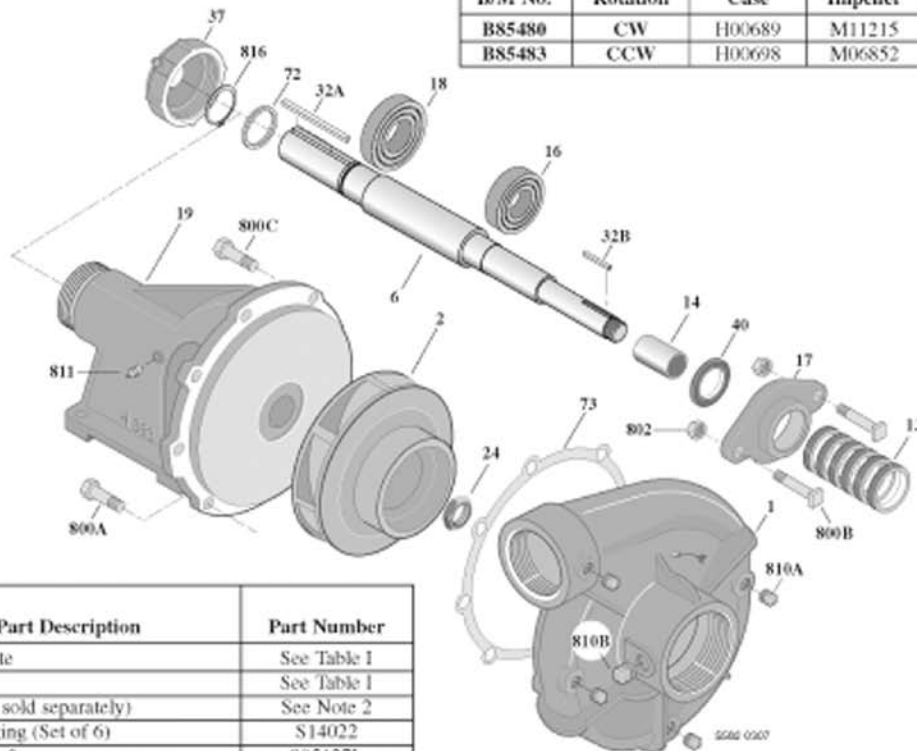
Pumps & Accessories



## 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.



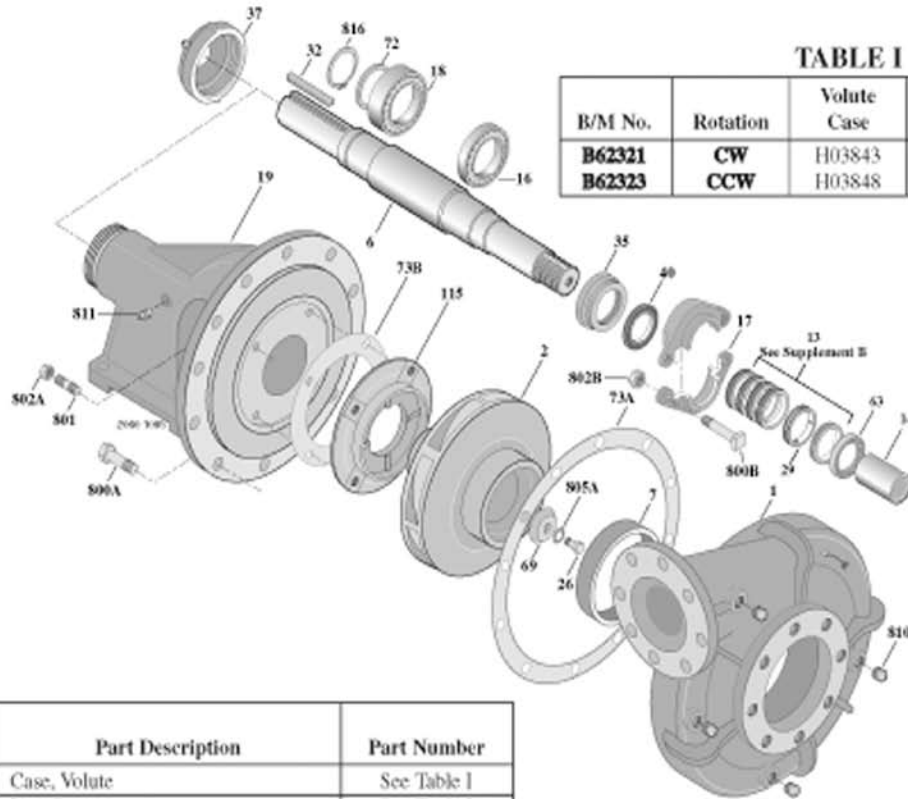
**TYPE "B" SINGLE STAGE  
CENTRIFUGAL PUMP  
Bearing Frame Mount**

**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, 1/2x4"	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


- Shaft Replacement Kit** available for this model. Berkeley part number **B07596** for CW, **B07597** for CCW. Pump Shaft sold in shaft replacement kit only.


Pumps & Accessories

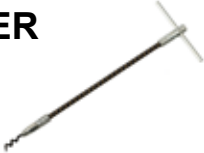



# PUMP ACCESSORIES




Product	Description	Part Number	Weight	List Price
<b>GLAND - BERKELEY</b> 	Small	B3Z & B6Z	8-1000	
	Large	B4J	8-1001	


<b>PACKING - BERKELEY</b> 	Small - B3ZRM, B6ZRM 5/16"	S-14022	8-0410	0.2
	Large - B3JQBM, B4JRM BH 3/8"	S-13436	8-0412	0.7

<b>PACKING - PULLER</b> 	Packing Puller		8-0413	
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<b>PACKING - BRAIDED</b> 	1/4" x 25' Box		9-6859	
	5/16" x 18' Box		9-6860	
	3/8" x 12' Box		9-6861	


<b>SUCTION ADAPTER</b> (GALVANIZED STEEL) 	Thrd	OD	Part Number	Weight
	2" x 3"		8-0430	2.9
	3" x 4"		8-0431	4.0
	4" x 5"		8-0432	6.0
	4" x 6"		8-0510	7.0
	4" x 8"		8-0511	12.7
	5" x 6"		8-0512	7.6
	5" x 8"		8-0513	12.6
	6" x 6"		8-0514	12.1
	6" x 8"		8-0515	14.1
	6" x 10"		8-0517	19.3
	8" x 8"		8-0516	16.3
	8" x 10"		8-0518	19.8

-Install with eccentric dip downward (as shown).  
 -With 3/4" FPT outlet on top.  
 -Ball & sockets may be welded onto plain end-


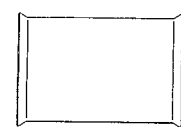
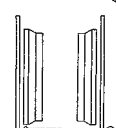
<b>DISCHARGE ADAPTER</b> (GALVANIZED STEEL) 	Thrd	Cplr	Part Number	Weight
	2" x 3"		8-0440	2.1
	2" x 4"		8-0441	3.1
	3" x 3"		8-0442	2.5
	3" x 4"		8-0443	3.5
	4" x 4"		8-0520	4.3
	4" x 5"		8-0444	5.4
	4" x 6"		8-0521	6.7
	4" x 8"		8-0522	9.8
	5" x 5"		8-0445	5.9
	5" x 6"		8-0446	9.4
	5" x 8"		8-0526	11.1
	6" x 6"		8-0523	8.1
	6" x 8"		8-0524	12.3
	6" x 10"		8-0525	14.9

# DRESSER COUPLERS, SUCTION PIPE

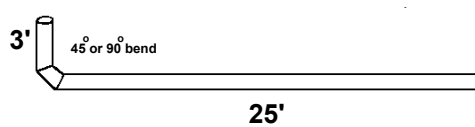
Product	Description	Part Number	Weight	List Price
<b>DRESSER COUPLER - 6" LONG</b> (POWDER COATED)	3" OD	8-0550	4.0	
	4" OD	8-0551	5.5	
	5" OD	8-0552	6.5	
	6" OD	8-0553	7.5	
	8" OD	8-0555	9.0	
	10" OD	8-0556	12.0	
	12" OD	8-0557	21.0	




<b>DRESSER COUPLER - 10" LONG</b> (POWDER COATED)	<b>Complete:</b>	4" OD	8-0530	8.0
		5" OD	8-0536	11.0
		6" OD	8-0531	13.0
		8" OD	8-0532	16.0
		10" OD	8-0533	23.0
		12" OD	8-0534	27.0
	<b>Body Only:</b>	4"	6-2039	4.0
		5"	6-2040	4.0
		6"	6-2041	5.0
		8"	6-2042	7.0
		10"	6-2043	9.0
		12"	6-2044	11.0
	<b>Flange Pack (Double): (for 10" long body)</b>	4" OD	6-2021	4.0
		5" OD	6-2022	7.0
6" OD		6-2023	8.0	
8" OD		6-2024	9.0	
10" OD		6-2025	14.0	
12" OD		6-2026	16.0	

Product	Description	Part Number	Weight	List Price
<b>SUCTION PIPE</b> (ALUMINUM)	6" x 45° .058	8-0540	37.8	
	6" x 90° .058	8-0541	37.8	
	8" x 45° .072	8-0542	63.3	
	8" x 90° .072	8-0543	63.3	
	10" x 90° .094	8-0545	103.2	




Product	ID	OD	Part Number	Weight	List Price
<b>SUCTION BOOT</b> (RUBBER)	6"	7"	8-0546	3.2	
	8"	9"	8-0547	4.1	
	10"	11"	8-0548	5.8	
	*12"	13-1/2"	8-0549	15.5	



\* For a 12" clamp: Put together two of the 162-174 T-bolt clamps.

Product	Description	Part Number	Weight	List Price
<b>FOOT VALVE/SCREEN</b> (CAST IRON)	1-1/2"	6-9603		
	2"	8-0706	4.7	
	2-1/2"	8-0707	6.6	
	3"	8-0708	9.1	
	4"	6-9604	16.5	
	6"	6-9605	36.3	
	8"	6-9606		



Pumps & Accessories

# INTAKE SCREENS & FITTINGS



Product	Description	Part Number	Weight	List Price
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## SCREEN W/FOOT VALVE



3"	6-9844	7.0
4"	8-0709	11.0
5"	6-9845	14.0
6"	8-0710	17.0
8"	8-0711	26.5
10"	8-0712	46.0

\*Foot Valve Drain Kit w/Cap 9-7666



\* Use garden hose to drain suction line.

-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  
 Other sizes are also available. Please call.

## 90° SUCTION ELBOW (CAST ALUMINUM)



4" x 90°	8-0719	7.0
6" x 90°	8-0720	10.5
8" x 90°	8-0721	14.5
10" x 90°	8-0722	23.0

## 45° SUCTION ELBOW (CAST ALUMINUM)



4" x 45°	8-0729	6.0
6" x 45°	8-0730	9.0
8" x 45°	8-0731	12.0
10" x 45°	8-0732	17.0


## INTAKE STRAINER

-0.050 Screen wall thickness  
 -Standard holes are 1/4" round  
 -Also available in 1/8" or 1/2"  
 @ additional cost




With slide:	4"	6-9793	3.5	
	5"	6-9794	4.5	
	6"	10 5/8" x 7 1/4"	8-0733	6.0
	8"	16 1/2" x 9 1/4"	8-0734	11.0
	10"	23" x 11 1/2"	8-0735	15.0


Note: Intake strainers are smaller than Jumbo.

Product	Description	Part Number	Weight	List Price
<b>JUMBO SCREEN - SINGLE</b> 	With slide:	Height x Width		
		6" 18" x 13 5/8"	8-0750	17.0
		8" 18" x 13 5/8"	8-0751	18.0
	10" 18" x 13 5/8"	8-0752	18.5	
	Without slide:	6" 18" x 13 5/8"	8-0760	14.5
		8" 18" x 13 5/8"	8-0761	14.0
10" 18" x 13 5/8"		8-0762	13.5	


-1/4" Standard Round Holes (also available in 1/8", 1/2", 3/4" or 1" @ additional cost)  
 -.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.

Product	Description	Part Number	Weight	List Price
<b>JUMBO SCREEN - DOUBLE</b> 	With slide:	Height x Width		
		6" 36" x 13 5/8"	8-0770	38.0
		8" 36" x 13 5/8"	8-0771	38.0
	10" 36" x 13 5/8"	8-0772	40.0	
	Without slide:	6" 36" x 13 5/8"	8-0780	21.5
		8" 36" x 13 5/8"	8-0781	21.5
10" 36" x 13 5/8"		8-0782	21.5	


-1/4" Standard Round Holes (also available in 1/8", 1/2", 3/4" or 1" @ additional cost)  
 -.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.

Product	Description	Part Number	Weight	List Price
<b>LIQUID MANURE SCREEN</b> 	4" 18"long x 14"wide	6-8095	17.0	
	6" 18"long x 14"wide	6-8096	17.0	
	8" 36"long x 14"wide	6-8097	25.0	

- 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.

Product	GPM	Ship	Weight	List Price
<b>SELF-CLEANING SCREEN (PERFECTION)</b> 	2"	UPS 9-7623	4.0	
	3"	UPS 9-7624	15.0	
	4"	UPS 8-0785	13.0	
	6"	UPS 8-0786	25.0	
	8"	UPS 8-0787	34.0	
	10"	UPS 8-0788	55.0	
	10" BB	CC 9-7625	65.0	
	10" XL	CC 9-7626	90.0	
	12" XL	CC 9-7627	90.0	


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".

Product	GPM	Ship	Weight	List Price
<b>SELF-CLEANING SCREEN (RIVERSCREEN)</b> 	4" 100-350	4' pontoon CC 9-5428	200.0	
	6" 300-950	6' pontoon CC 9-5429	225.0	
	8" 550-1700	8' pontoon CC 9-5430	250.0	
	10" 825-2600	10' pontoon CC 9-5431	275.0	
	12" 1200-4000	10' pontoon CC 9-5438	240.0	
	Power Drive Foot Valve		UPS 9-5432 9-6849	

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

Pumps & Accessories

# FOOT VALVE PARTS

Product	Description	Part Number	Weight	List Price
<b>ROUND HOLE SCREEN</b> 	1-1/2"	6-9590		
	2"	6-9591		
	2-1/2"	6-9592		
	3"	6-9593	2.7	
	4"	6-9594		
	6"	6-9595		
	8"	6-9596	9.6	

-Female pipe thread connection.

## SQUARE HOLE SCREEN



1-1/2"	6-9597		
2"	6-9598		
2-1/2"	6-9599		
3"	6-9600		
4"	6-9601		
6"	6-9602	6.1	

-Female pipe thread connection.

## SUCTION FLANGE

(CAST ALUMINUM)



4"	8-0818		
6"	8-0819	1.3	
8"	8-0820	1.6	
10"	8-0821	2.4	

## RING GASKET



4"	6-6484		
6"	6-6486		
8"	6-6488		
10"	6-6480		

## STANDARD FV BODY

(CAST ALUMINUM)



4" x 45°	8-0824		
6" x 45°	8-0825		
8" x 45°	8-0826		
10" x 45°	8-0827		

\*Does NOT include suction flange, ring gasket, valve flapper cover, valve flapper gasket, valve flapper weight or valve seat ring.

## VALVE FLAPPER COVER




4"	8-0828	0.8	
6"	8-0829		
8"	8-0830	3	
10"	8-0831		


## VALVE FLAPPER/GASKET



Rubber	2"	8-0713	
	3"	8-0714	0.2
	4"	8-0715	0.3
	5"	8-0716	0.3
	6"	8-0717	0.6
	8"	8-0718	
	10"	8-0725	1.5

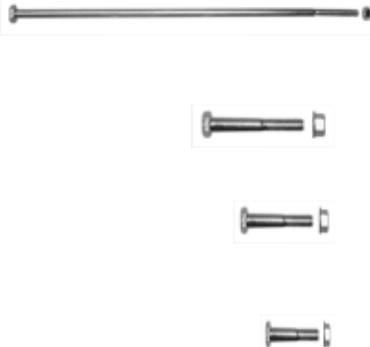
Product	Description	Part Number	Weight	List Price
<b>VALVE FLAPPER WEIGHT</b> 	4"	8-0832	0.2	
	6"	8-0833		
	8"	8-0834		
	10"	8-0835		

<b>VALVE SEAT RING</b> (CAST ALUMINUM) 	4"	8-0837	3.5	
	6"	8-0838		
	8"	8-0839		
	10"	8-0840		

<b>FOOT VALVE SCREEN</b> 	6-1/2" high x 7-1/4" wide	4"	8-0842	1.5
	8-3/8" high x 9-1/4" wide	6"	8-0843	
	13-1/2" high x 11-1/4" wide	8"	8-0844	
	21" high x 13-5/8" wide	10"	8-0845	





1/4" Standard Round Holes (also available in 1/8", 1/2", 3/4" or 1")  
0.050 Standard Wall Thickness (also available in .080)







<b>BOTTOM DISC</b> (CAST ALUMINUM) 	4"	8-0846	1.4
	6"	8-0847	
	8"	8-0848	3.4
	10"	8-0849	5.4




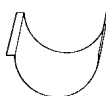


<b>BOLT/NUT/WASHER</b> 	Screen Bolt/Nut	4" (3 req.)	1/4"x8"	8-0850
		6" (3 req.)	1/4"x10"	8-0851
		8" (3 req.)	1/4"x15-3/8"	8-0852
		10" (4 req.)	1/4"x22-7/8"	8-0853
	Flange	2"-8" (4 req.)	5/16"x2-1/4"	8-0822
		10" (4 req.)	5/16"x2-1/2"	8-0823
	Seat Body Bolt/Nut	4" (5 req.)	1/4"x1-1/2"	8-0841
		6" (8 req.)	1/4"x1-1/2"	8-0841
		8" (11 req.)	1/4"x1-1/2"	8-0841
		10" (12 req.)	1/4"x1-1/2"	8-0841
	Cover Weight		1/4"x3/4"	8-0836



# SUCTION FITTINGS & PARTS



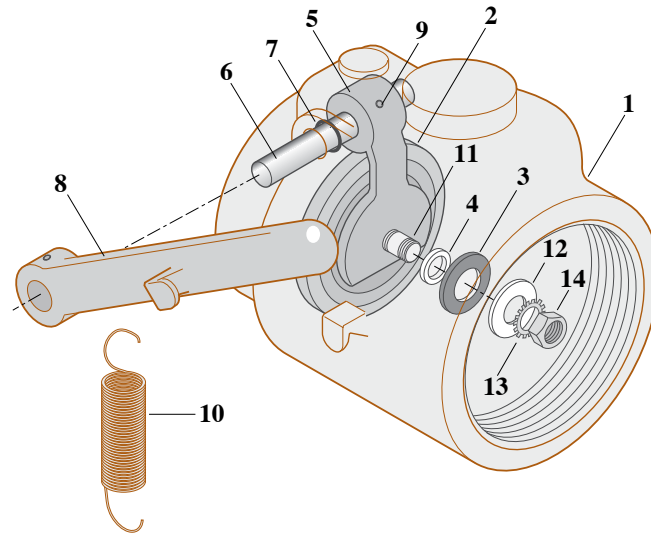
Product	Description	Part Number	Weight	List Price
<b>ELBOW PARTS</b>				
<b>ELBOW</b> (CAST ALUMINUM)		4" x 90°		8-0810
		6" x 90°		8-0811
		8" x 90°		8-0812
		10" x 90°		8-0813
		4" x 45°		8-0814
		6" x 45°		8-0815
		8" x 45°		8-0816
	10" x 45°		8-0817	
<b>FLANGE</b>				
<b>FLANGE</b> (CAST ALUMINUM)		4"		8-0818
		6"	1.3	8-0819
		8"	1.6	8-0820
		10"	2.4	8-0821
<b>RING GASKET</b>				
		4"		6-6484
		6"		6-6486
		8"		6-6488
		10"		6-6480
<b>FLANGE BOLT/NUT/WASHER</b>				
	For 4", 6", 8" (4 req)	5/16"x2-1/4"		8-0822
	For 10" (4 req.)	5/16"x2-1/2"		8-0823

<b>INTAKE STRAINER PARTS</b>					
<b>Ring Casting</b>  <b>Bottom Disc Casting</b>  <b>Strainer Screen</b>  <b>Strainer Bolt &amp; Nut</b>  <b>Slide</b>  <b>Ring Bolt</b> 	<b>Ring Casting</b>	6"		8-0736	
		8"		8-0737	
		10"		8-0738	
	<b>Bottom Disc Casting</b>	6"		8-0739	
		8"		8-0740	
		10"		8-0741	
	<b>Strainer Screen</b>	6"	10-5/8" h x 7-1/4" w		8-0742
		8"	16-1/2" h x 9-1/4" w	1.5	8-0743
		10"	23" h x 11-1/2" w	2.5	8-0744
	<b>Strainer Bolt &amp; Nut</b>	6"	12" long		8-0745
		8"	18" long		8-0746
		10"	25-1/4" long		8-0747
<b>Slide</b>	6"			8-0748	
	8"			8-0749	
	10"			8-0753	
<b>Ring Bolt</b>				8-0754	

<b>JUMBO STRAINER PARTS</b>				
<b>JUMBO STRAINER RING</b>		4"		8-0859
		6"		8-0860
		8"		8-0861
		10"		8-0862
<b>JUMBO STRAINER SCREEN</b>		18" h x 13-5/8" wide		8-0854
<b>JUMBO BOTTOM DISC</b>				8-0858
<b>JUMBO SLIDE</b>		For Single Jumbo Strainer		8-0855
		For Double Jumbo Strainer		8-0856
<b>JUMBO D-RING</b>				8-0863
<b>JUMBO STRAINER BOLT</b>		4 required 1/4" x 19-3/8" long		8-0857

Product	Description	Part Number	Weight	List Price
<b>DISCHARGE PRIMING VALVE</b>				
 <p>3" x 4" (includes 3" close nipple)</p>	3" x 4"	8-0640	20.0	
	4"	8-0650	36.0	
 <p>4", 5", 6"</p>	5"	8-0655	55.0	
	6"	8-0660	70.0	

**REPLACEMENT PARTS FOR DISCHARGE PRIMING VALVE**



Item	Description	Part #	Key	List Price
Clack	3" x 4" 4" OD	8-0641	2	
	4" x 4" 4.75" OD	8-0651	2	
	5" x 5" 5.75" OD	8-0656	2	
	6" x 6" 6.75" OD	8-0661	2	
Valve Body	3" x 4"	8-1002	1	
	4" x 4"	8-1003	1	
	5" x 5"	8-1004	1	
	6" x 6"	8-1005	1	
Clack Hinge Handle Assembly	3" x 4"	8-1009	5,6,8	
	4" x 4"	8-1010	5,6,8	
	5" x 5"	8-1011	5,6,8	
	6" x 6"	8-1012	5,6,8	
'O' Ring	--	8-1013	7	
Spring Pin (2 required)	--	8-1014	9	
Spring	3" x 4"	8-1015	10	
Spring	4"-5"-6"	8-1016	10	
Grommet	--	8-1007	3	
Spacer	--	8-1008	4	
Bolt Stud	--	8-1017	11	
Nut	--	6-0902	14	
External Tooth Washer	--	8-1018	13	
Flat Washer	--	9-6762	12	

Pumps & Accessories



# HAND-D PRIMERS



Product	Description	Part Number	Weight	List Price
<b>HAN-D PUMPERS</b>	#700 Han-D Pumper	6-9760	18.0	
	#900 Han-D Pumper	6-9762	20.0	



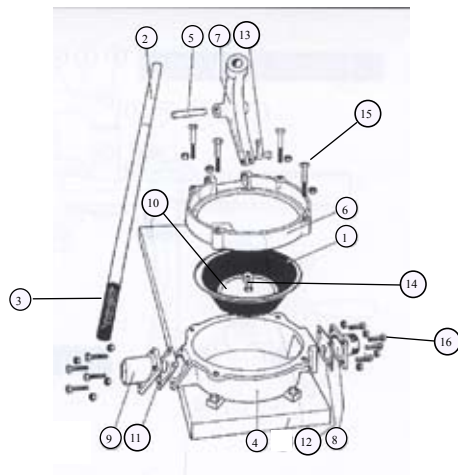
Uses include small or occasional jobs where it takes too long to setup on engine driven pump.

	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:**

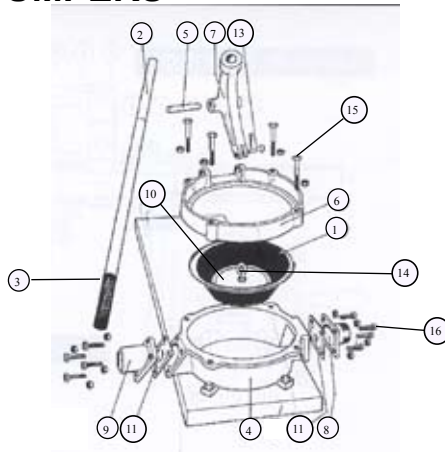
- Complete dewatering portable unit
- Lightweight, easy to use
- Cast aluminum body
- Pumps air, water, sewage, mud and many chemical products
- Ideal for priming large diameter pipes (i.e. 8", 10", 12" sizes)

## PARTS FOR #700 HAN-D PUMPERS



Item	Item #	Part #	List Price
Diaphragm - #700	1	6-9761	75.00
Handle	2	9-7729	26.00
Grip	3	9-7730	8.00
Pump Body	4	9-7731	246.00
Fulcrum Pin	5	9-7732	14.00
Retainer Ring	6	9-7733	103.00
Fulcrum	7	9-7734	65.00
Suction Flange	8	9-7735	72.00
Discharge Flange	9	9-7736	77.00
Diaphragm Plates (2-required)	10	9-7737	24.00
Discharge Valve	11	9-7738	33.00
Suction Valve	12	9-7739	31.00
Fastpin	13	9-7740	4.00
Eyebolt w/Nuts	14	9-7741	3.50
Bolt, 5/16" x 2"	15	9-7742	2.00
Bolt, 5/16" x 1"	16	9-7743	1.50
Nut, 5/16"		9-7744	1.00

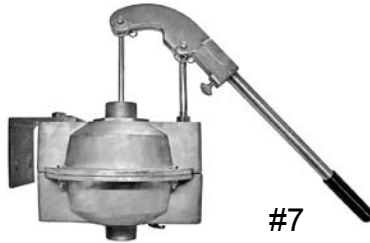
## PARTS FOR #900 HAN-D PUMPERS



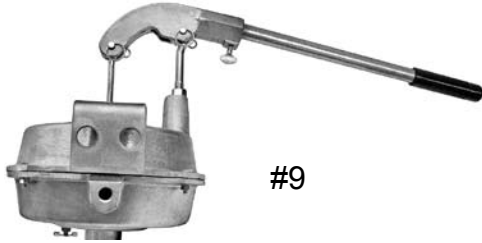
Item	Item #	Part #	List Price
Diaphragm - #900	1	6-9763	80.00
Handle	2	9-7729	26.00
Grip	3	9-7730	8.00
Pump Body	4	9-7745	315.00
Fulcrum Pin	5	9-7732	14.00
Retainer Ring	6	9-7746	112.00
Fulcrum	7	9-7747	69.00
Suction Flange	8	9-7748	72.00
Discharge Flange	9	9-7749	81.00
Diaphragm Plates (2-required)	10	9-7750	23.00
Suction/Discharge Valve	11	9-7751	33.00
Fastpin	13	9-7740	4.00
Eyebolt w/Nuts	14	9-7741	3.50
Bolt, 5/16" x 2"	15	9-7742	2.00
Bolt, 5/16" x 1"	16	9-7743	1.50
Nut, 5/16"		9-7744	1.00

# POWER & HAND PRIMERS

Product	Description	Part Number	Weight	List Price
<b>HAND PRIMER</b>	#7	8-0610	7.0	
	#9	8-0620	20.0	



\*3/4" FPT & 1-1/2" MPT Base



\*3/4" FPT Base

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:

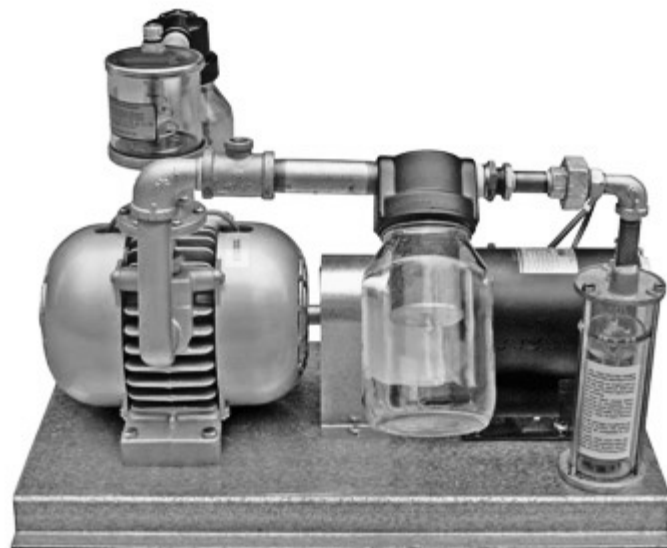
Lightweight and durable solid-cast aluminum body.  
 Reinforced diaphragms are long-lasting.  
 Steel mounting bracket allows for easy and dependable installation.  
 Fulcrum eyebolt can be adjusted at various angles for your convenience.

## POWER PRIMER

35AC	6-9715	88.0	<b>3,570.00</b>
35DC (battery)	6-9716	85.0	<b>3,600.00</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.

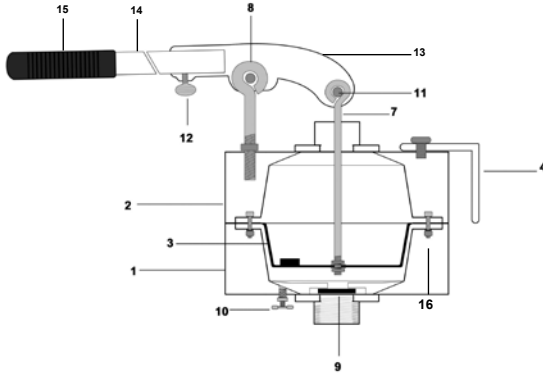


Pumps & Accessories

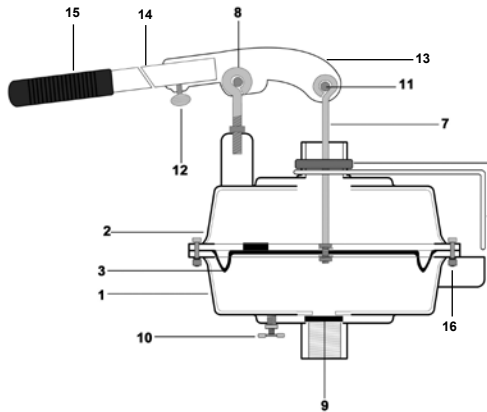
# HAND PRIMERS



Product	Description	Part Number	Weight	List Price
<b>PARTS FOR #7 HAND PRIMER</b>	<b>Item</b>	<b>Item #</b>	<b>Part #</b>	<b>List Price</b>
	Diaphragm - #7	3	8-0631	
	Lower Housing	1	9-5353	
	Check Valve (Disc)	9	9-5355	
	Drain Cock	10	8-1102	
	Upper Housing	2	9-5354	
	Connecting Rod Assembly	7	8-1108	
	Handle Bracket	13	8-1111	
	Fast Pin (2 required)	11	8-1112	
	Fulcrum Eyebolt	8	9-5357	
	Mounting Bracket	4	9-5358	
	Thumb Screw	12	9-5359	
	Handle (Pipe)	14	9-5360	
	Handle Grip	15	9-5361	
	Bolt, Hex, 1/4"-20 x 1" (4 Required)	16	9-7655	
	Nut, Hex, 1/4"-20 (4 Required)	16	9-7656	
Washer, Split Lock, 1/4" (4 Required)	16	9-7657		

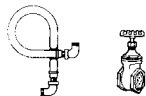


<b>PARTS FOR #9 HAND PRIMER</b>	<b>Item</b>	<b>Item #</b>	<b>Part #</b>	<b>List Price</b>
	Diaphragm - #9	3	8-0621	
	Lower Housing	1	8-1100	
	Check Valve (Disc)	9	9-5355	
	Drain Cock	10	8-1102	
	Upper Housing	2	8-1103	
	Connecting Rod Assembly	7	8-1108	
	Lock Nut, 1-1/2"	6	8-1109	
	Fulcrum Eyebolt	8	8-1110	
	Handle Bracket	13	8-1111	
	Fast Pin (2 required)	11	8-1112	
	Mounting Bracket	4	8-1113	
	Thumb Screw	12	9-5359	
	Handle (Pipe)	14	9-5360	
	Handle Grip	15	9-5361	
	Bolt, Hex, 1/4"-20 x 1" (4 Required)	16	9-7655	
Nut, Hex, 1/4"-20 (4 Required)	16	9-7656		
Washer, Split Lock, 1/4" (4 Required)	16	9-7657		



## PRIMER HOSE KIT

Primer Side Pump Side  
3/4" MPT x 3/4" MPT 8-0622



## DIAPHRAGMS

	#5 Diaphragm B-183	8-0629	0.2
	#6 Diaphragm	8-0611	0.4
	#7 Diaphragm C-106	8-0631	1.0
	#9 Diaphragm B-61	8-0621	1.9
	Wade Rain #9-30-3	8-0613	0.3
	Travis WPP-1D	8-0614	1.0

# INTAKE MANIFOLD PRIMER EXHAUST PRIMER

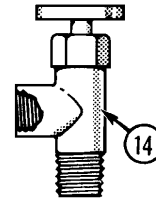
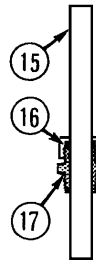
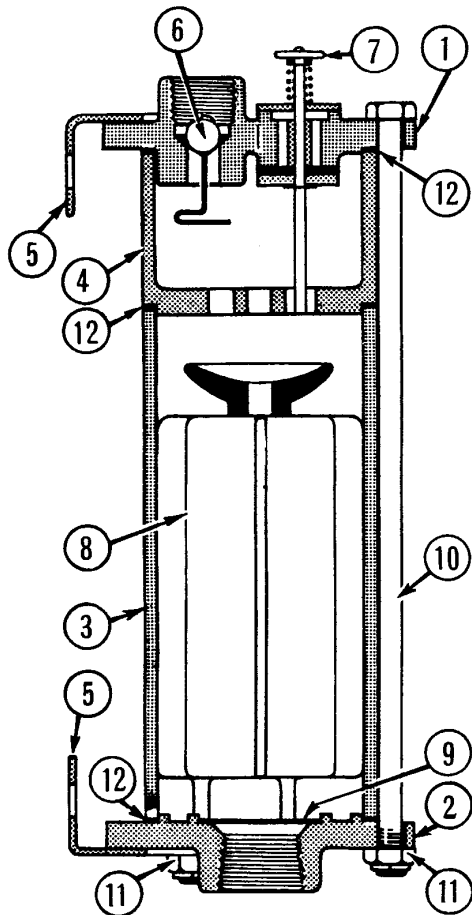
Product	Description	Part Number	Weight	List Price
<b>INTAKE MANIFOLD PRIMER</b>	Intake Manifold Primer	8-0630	2.7	



**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



Item	Item #	Part #	List Price
Upper Housing	4	8-0633	
Lower Housing	3	8-0634	
Gaskets	12	8-0635	
Top Cover Assembly	1/6/7	8-1120	
Lower Cover Assembly	2/9	8-1121	
Brackets	5	8-1122	
Tie Bolts & Nuts	10/11	8-1123	
Float Assembly	8	8-1124	
Angle Valve	14	8-1125	
Packing Gland Assembly	15/16/17	8-1126	

**MURPHY SWITCHES**

Product	Description	Part Number	Weight	List Price
<b>MAGNETIC SWITCH</b>	Murphy #117 DC (12/24 Volt)	6-0020	0.8	
	Murphy #518APH (12 Volt) (has 6 prongs for Deutz diesels)	6-0021	0.7	
	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.			
<b>OIL PRESSURE GAUGE</b>	75 psi Murphy, #20P75	6-0022	0.5	
	100 psi Murphy, #20P100	6-0023	0.9	
	This is a basic engine or pump oil pressure switch gauge.			
<b>ENGINE TEMPERATURE GAUGE</b>	Murphy 20T254, 250°F Water	6-0024	0.8	
	This Temperature switch gauge is available in various models and ranges to prevent engine damage from high water oil or cylinder head temperature.			
<b>VACUUM/LOAD GAUGE</b>	Murphy 20V3	6-0025	0.6	
	Commonly used to monitor manifold vacuum for loss of load or overload on spark ignition engines, vacuum switch gauges are recommended for preset limit shutdown of irrigation engines.			
<b>OIL LEVEL SAFETY GAUGE</b>	Murphy L129	6-0026	3.0	
	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.			

Product	Description	Part Number	Weight	List Price
<b>WATER LEVEL SAFETY GAUGE</b>	Murphy , L150	6-0027	1.8	



Coolant level SWICHGAUGE can be visually checked with this water level SWICHGAUGE. If the water level falls too low, contact is made and the engine shutdown system is activated (or alarm is sounded.)

<b>FUEL STOP SOLENOID</b>	Murphy, SV12	6-0028	1.4	
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- Solenoid Fuel Valve to shut off the fuel to Diesel engines upon engine or driven equipment malfunction.

<b>TIMER</b>	Murphy, 12T w/case (12 hour)	6-0019	4.7
	Murphy, 12T wo/case (12 hour)	6-0031	0.8
	Murphy, 24T w/case (24 hour)	6-0017	4.7
	Murphy, 24T wo/case (24 hour)	6-0018	1.5



- Timer switches are designed to automatically shut down engine when a pre-determined operating time is set.  
- Weatherproof case

<b>PUMP PRESSURE GAUGE</b>	Murphy, 20P7-15	9-5252	0.5
	Murphy, 20P7-30	9-5254	0.5
	Murphy, 20P7-50	9-5256	0.5
	Murphy, 20P7-75	In stock 9-5257	0.5
	Murphy, 20P7-100	In stock 9-5251	0.5
	<b>Murphy, 20P7-150</b>	In stock <b>9-5253</b>	0.5
	Murphy, 20P7-300	9-5255	0.5



Monitors Discharge Pressure to detect water supply failure or parted couplings.

<b>STANDARD MURPHY MOUNT PANEL</b>	Murphy, WD300-12	6-0030	5.0
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- 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.

Murphy Toggle Switch, TF	6-9704
Murphy Amp Meter, 60060	6-9705
Murphy Stop Button, PB1285	6-9706

# GENERATORS - WIRE





Product	Description	Part Number	Weight	List Price
<b>LIMA GENERATOR</b>  	5 KW	6-8010	150.0	
	7.5 KW	6-8011	165.0	
	10 KW	6-8012	245.0	
	12 KW	6-8013	260.0	
	15 KW	6-8014	275.0	
	20 KW	9-7687	560.0	

<b>WIRE</b> 	Aluminum, Single	6-6800	
	Aluminum, Triplexed	6-6801	
	Aluminum, Quadraplexed	6-6802	
	Aluminum, Tuf-Hide	6-6803	
	Underground Feeder, UF	6-6804	

<b>ELECTRIC MOTOR</b> 	Marathon	
	Baldor	
	Others	

Base is not included.


<b>GEAR HEAD</b> 	Amarillo	
	Johnson	
	Randolph	

<b>PROP-SHAFT GUARD</b> 	7" dia x 10" - 18"	6-9822	6.0
	7" dia x 24" - 42"	6-9823	12.0
	7" dia x 36" - 54"	6-9824	15.0
	7" dia x 36" - 66"	6-9825	18.0
	12" dia x 14" - 24"	6-9826	13.0
	12" dia x 36" - 66"	6-9827	27.0
	12" dia x 28" - 54"	6-9828	28.0

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.

<b>AUTOMATIC TURBINE PUMP OILER</b> 	4 Gallon	6-8098	11
	7 Gallon	6-8099	15
	11 Gallon	9-7665	-
	Brass Needle Valve	9-7554	-

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 into the well. Manual mode for pre-season lubrication.

Product	Description	Part Number	Weight	List Price
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# 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
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:
	$\frac{\text{GPM} \times \text{Total Head (in. ft.)}}{3960}$
	= H.P. delivered by motor H.P. required by pump H.P. input x motor efficiency 1.34 x KW input x motor efficiency
Brake Horsepower	= $\frac{\text{Water H.P.}}{\text{Pump efficiency}}$
	= $\frac{\text{GPM times total head (ft)}}{3960 \times \text{pump efficiency}}$
	= $\frac{\text{GPM times total head (psi)}}{103,000 \times \text{pump efficiency}}$
	= $\frac{\text{Power output}}{\text{Power input}}$
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 & Accessories



Product	Description	Part Number	Weight	List Price
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### 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
4" I.D.					4.35	4.26	4.2	4.134	4.046	3.998	3.786	4.22	3.89	4.154
4" WALL					0.07	0.11	0.138	0.173	0.214	0.237	0.337	0.267	0.125	0.173
4" PSI					63	100	125	160	200	100/130	100/130	150	117.5	160
4 1/2" O.D.														4.95
4 1/2" I.D.														4.57
4 1/2" WALL														0.19
4 1/2" PSI														160
5" O.D.					5.563	5.563	5.563	5.563	5.563	5.563	5.563			5.563
5" I.D.					5.37	5.27	5.19	5.109	4.99	5.017	4.767			5.135
5" WALL					0.087	0.136	0.171	0.214	0.265	0.258	0.375			0.214
5" PSI					63	100	125	160	200	100/130	100/130			160
6" O.D.	6.14	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
6" I.D.	6	5.88	5.81	5.73	6.4	6.27	6.18	6.07	5.94	6.031	5.709	6.08	5.742	6.115
6" WALL	0.07	0.12	0.15	0.189	0.087	0.162	0.204	0.255	0.316	0.28	0.432	0.383	0.18	0.255
6" PSI	43	80	100	125	63	100	125	160	200	100/130	100/130	150	117.5	160
8" O.D.	8.16	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
8" I.D.	7.984	7.81	7.73	7.62	8.33	8.17	8.05	7.921	7.74	7.943	7.565	7.97	7.665	7.962
8" WALL	0.088	0.16	0.199	0.251	0.135	0.21	0.265	0.332	0.41	0.322	0.5	0.503	0.24	0.332
8" PSI	43	80	100	125	63	100	125	160	200	100/130	100/130	150	117.5	160
10" O.D.	10.2	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
10" I.D.	9.98	9.77	9.66	9.52	10.41	10.18	10.04	9.86	9.65	9.976	9.492	11.63	9.563	9.87
10" WALL	0.11	0.2	0.249	0.314	0.168	0.262	0.331	0.413	0.511	0.365	0.593	0.733	0.3	0.413
10" PSI	43	80	100	125	63	100	125	160	200	100/130	100/130	150	117.5	160
12" O.D.	12.24	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
12" I.D.	11.97	11.72	11.6	11.43	12.32	12.08	11.91	11.7	11.45	11.89	11.29	11.63	11.36	11.7
12" WALL	0.132	0.24	0.299	0.377	0.199	0.311	0.392	0.49	0.606	0.406	0.687	0.733	0.36	0.49
12" PSI	43	80	100	125	63	100	125	160	200	100	100	150	117.5	160
14" O.D.						after 12" is pip size		14		14	14	15.3	same	
14" I.D.								12.86		13.07	12.41	13.48	OD as	
14" WALL								0.538		0.437	0.75	0.85	pip after	
14" PSI								160		100	100	235	12"	
15" O.D.	15.3	15.3	15.3	15.3	15.3	15.3							15.3	
15" I.D.	14.97	14.65	14.5	14.29	14.82	14.5							13.89	
15" WALL	0.165	0.3	0.373	0.471	0.239	0.373							0.44	
15" PSI	43	80	100	125	63	100							117.5	
16" O.D.								16		16	16	17.4		
16" I.D.								14.696		14.94	14.21	15.33		
16" WALL								0.615		0.5	0.843	0.967		
16" PSI								160		100	100	235		
18" O.D.	18.36	18.701	18.701	18.701		18		18		18	18	19.5	18.701	
18" I.D.	17.964	17.91	17.72	17.47		17.07		16.534		16.809	16.014	17.18	17.629	
18" WALL	0.198	0.367	0.456	0.575		0.439		0.692		0.562	0.937	1.083	0.536	
18" PSI	43	80	100	125		100		160		100	100	235	117.5	
20" O.D.	20.4					20		20		20	20	21.6		
20" I.D.	19.962					18.97		18.37		18.743	17.814	19.03		
20" WALL	0.219					0.488		0.769		0.593	1.031	1.2		
20" PSI	43					100		160		100	100	235		
21" O.D.		22.047	22.047	22.047									22.047	
21" I.D.		21.12	20.89	20.59									20.783	
21" WALL		0.432	0.538	0.678									0.632	
21" PSI		80	100	125									117.5	
24" O.D.		24.803	24.803	24.803		24		24		24	24		24.8	
24" I.D.		23.76	23.5	23.17		22.748		22.043		22.54	21.418		23.381	
24" WALL		0.486	0.605	0.763		0.585		0.923		0.687	1.218		0.711	
24" PSI		80	100	125		100		160		100	100		117.5	

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All prices are subject to  
change without notice.