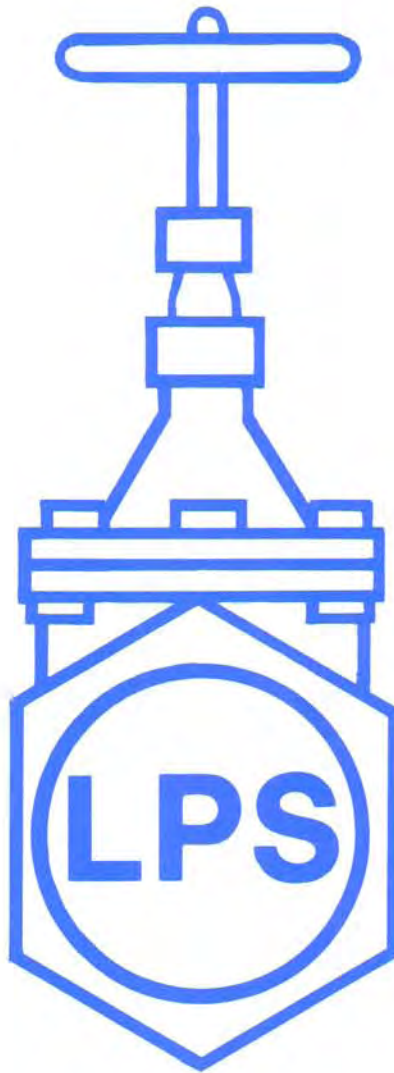


# STOCKING DISTRIBUTOR OF PIPE - VALVES - FITTINGS AND INDUSTRIAL SUPPLIES



## LAKES PIPE & SUPPLY CORP.

### IDS DIVISION

MPO BOX 429  
NIAGARA FALLS, NY 14302  
FAX 716-285-8619

N. FALLS 716-285-6631  
BUFFALO 716-694-2215  
N.Y. WATTS 800-654-0465

### ERIE DIVISION

1020 HOLLAND STREET  
ERIE, PA 16501

814-452-4300  
FAX 814-452-3172  
800-388-3480

## PIPE

<b>Carbon Steel</b>	1/8" thru 48" All Walls, Welded, ERW, Seamless, Flareweld Specifications: ASTM-A53, A106, API5L, A587 Finishes: Black, Galvanized, X-Tru Coat and Scotchkote Complete Cutting, Threading and Grooving
<b>Stainless Steel</b>	1/8" thru 12" All Walls, Welded and Seamless Specifications: ASTM-A312, A376 - Type 304/304L, 316/316L and Other Types
<b>Alloy Steel</b>	Alloy 20, Nickel Alloy 200, Monel Alloy 400, Inconel Alloy 600, Hastelloy, Titanium, Zirconium
<b>Plastic</b>	PVC, CPVC, Kynar and Polypropylene
<b>Brass</b>	Standard and Extra Heavy Red Brass and Copper Pipe
<b>Fiberglass</b>	Epoxy and Vinyl Ester Resins

## TUBING

<b>Copper</b>	Type K, L, M, DWV and Refrigeration Tubing Cleaned for Oxygen Service Available
<b>Stainless Steel</b>	ASTM-A269, A213 - Type 304/304L, 316/316L and Other Types Food, Dairy and Pharmaceutical ASTM A249, A269, A270, A778, Type 304/304L, 316/316L

### LAKES PIPE COMMITMENT

To provide our customer base with the highest quality of service and products, in a continually improving environment, focusing on best economic value.

*"Member of Affiliated Distributors"*

## Valves

Gate, Globe, Check, Ball, Butterfly.  
Plug (Lubricated & Non-Lubricated), Diaphragm, Control,  
Regulating, Reducing & Relief  
Bronze & Iron  
Forged Steel  
Cast Steel  
Stainless Steel  
Alloy Steels  
Plastics  
Lined - Teflon & Other Linings  
Actuation - Pneumatic & Electric

## Steam Traps

Sarco, Yarway, Armstrong & Hoffman

## Fittings & Flanges Nipples

Malleable Iron Standard, Extra Heavy, Black/Galvanized  
Cast & Ductile Iron Standard, Extra Heavy, Threaded & Flanged  
Carbon Steel - All Schedules & Classes  
Forged Steel - All Pressures, Threaded/Socket Weld  
Stainless Steel - 304/304L, 316/316L and Other Types  
Alloy Steel - Alloy 20, Nickel Alloy 200, Monel Alloy 400,  
Inconel Alloy 600, Hastelloy, Titanium & Zirconium  
Outlets - Thredolets, Weldolets, Sockolets & Elbolets  
Victaulic - Grooved & Plain End Fittings  
Copper - Pressure & Drainage  
Plastic - PVC, CPVC, Kynar & Polypropylene  
Brass - Threaded, Compression & Flare  
Cast Steel Flanged Fittings  
Fiberglass Epoxy & Vinyl Ester Resins  
Sanitary - Buttweld and Clamp

## SPECIALTY ITEMS

Pipe Hangers  
Threaded Rod  
Rigid Tools  
Sump Pumps  
PVC Coated Copper Tubing  
Leak Lock

Repair Couplings  
Fernco Couplings  
Pressure Gauges  
WYE Strainers  
Babbitt Chain Wheel

Nuts & Bolts  
Flange Gaskets  
Poly Tubing  
Rectorseal  
Never-Seez

# A. S. A. PIPE SCHEDULES

PIPE SIZE	O. D. in inches	Wall Thickness Top Numbers											Weight Per Foot Bottom Numbers				DBLE. E. H.	
		5	10	20	30	40	STD.	60	80	E. H.	100	120	140	160				
1/8	.405	.035 .1383	.049 .1863			.068 .2447	.068 .2447		.095 .3145	.095 .3145								
1/4	.540	.049 .2570	.065 .3297			.088 .4248	.088 .4248		.119 .5351	.119 .5351								
3/8	.675	.049 .3276	.065 .4235			.091 .5676	.091 .5676		.126 .7388	.126 .7388								
1/2	.840	.065 .5383	.083 .6710			.109 .8510	.109 .8510		.147 1.088	.147 1.088					.187 1.304	.294 1.714		
3/4	1.050	.065 .6838	.083 .8572			.113 1.131	.113 1.131		.154 1.474	.154 1.474					.218 1.937	.308 2.441		
1	1.315	.065 .8678	.109 1.404			.133 1.679	.133 1.679		.179 2.172	.179 2.172					.250 2.844	.358 3.659		
1 1/4	1.660	.065 1.107	.109 1.806			.140 2.273	.140 2.273		.191 2.997	.191 2.997					.250 3.765	.382 5.214		
1 1/2	1.900	.065 1.274	.109 2.085			.145 2.718	.145 2.718		.200 3.631	.200 3.631					.281 4.859	.400 6.408		
2	2.375	.065 1.604	.109 2.638			.154 3.653	.154 3.653		.218 5.022	.218 5.022					.343 7.444	.436 9.029		
2 1/2	2.875	.083 2.475	.120 3.531			.203 5.793	.203 5.793		.276 7.661	.276 7.661					.375 10.01	.552 13.70		
3	3.500	.083 3.029	.120 4.332			.216 7.576	.216 7.576		.300 10.25	.300 10.25					.437 14.32	.600 18.58		
3 1/2	4.000	.083 3.472	.120 4.973			.226 9.109	.226 9.109		.318 12.51	.318 12.51						.636 22.85		
4	4.500	.083 3.915	.120 5.613			.237 10.79	.237 10.79	.281 12.66	.337 14.98	.337 14.98		.437 19.01			.531 22.51	.674 27.54		
4 1/2	5.000						.247 12.53			.355 17.61						.710 32.53		
5	5.563	.109 6.349	.134 7.770			.258 14.62	.258 14.62		.375 20.78	.375 20.78		.500 27.04			.625 32.96	.750 38.55		
6	6.625	.109 7.585	.134 9.289			.280 18.97	.280 18.97		.432 28.57	.432 28.57		.562 36.39			.718 45.30	.864 53.16		
7	7.625						.301 23.57			.500 38.05						.875 63.08		
8	8.625	.109 9.914	.148 13.40	.250 22.36	.277 24.70	.322 28.55	.322 28.55	.406 35.64	.500 43.39	.500 43.39	.593 50.87	.718 60.93	.812 67.76	.906 74.69	.875 72.42			
9	9.625						.342 33.90			.500 48.72								
10	10.750	.134 15.19	.165 18.70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.593 64.33	.500 54.74	.718 76.93	.843 89.20	1.000 104.1	1.125 115.7				
11	11.750						.375 45.55			.500 60.07								
12	12.750	.165 22.18	.180 24.20	.250 33.38	.330 43.77	.406 53.53	.375 49.56	.562 73.16	.687 88.51	.500 65.42	.843 107.2	1.000 125.5	1.125 139.7	1.312 160.3				
14	14.000		.250 36.71	.312 45.68	.375 54.57	.437 63.37	.375 54.57	.593 84.91	.750 106.1	.500 72.09	.937 130.7	1.093 150.7	1.250 170.2	1.406 189.1				
16	16.000		.250 42.05	.312 52.36	.375 62.58	.500 82.77	.375 62.58	.656 107.5	.843 136.5	.500 82.77	1.031 164.8	1.218 192.3	1.437 223.5	1.593 245.1				
18	18.000		.250 47.39	.312 59.03	.437 82.06	.562 104.8	.375 70.59	.750 138.2	.937 170.8	.500 93.45	1.156 208.0	1.375 244.1	1.562 274.2	1.781 308.5				
20	20.000		.250 52.73	.375 78.60	.500 104.1	.593 122.9	.375 78.60	.812 166.4	1.031 208.9	.500 104.1	1.280 256.1	1.500 296.4	1.750 341.1	1.968 379.0				
24	24.000		.250 63.41	.375 94.62	.562 140.8	.687 171.2	.375 94.62	.968 238.1	1.218 296.4	.500 125.5	1.531 367.4	1.812 429.4	2.062 483.1	2.343 541.9				

## IDS DIVISION LAKES PIPE & SUPPLY CORP.

M.P.O. BOX 429 • NIAGARA FALLS, NY 14302  
PHONE: (716) 285-6631 FAX: (716) 285-8619

# DRILLING TEMPLATES: AMERICAN STANDARD

Nominal Pipe Size — Inches	150-Pound				300-Pound				400-Pound			
	Diameter Flange	Number of Bolts	Diameter and Length of Bolts	Diameter of Bolt Circle	Diameter Flange	Number of Bolts	Diameter and Length of Bolts	Diameter of Bolt Circle	Diameter Flange	Number of Bolts	Diameter and Length of Stud Bolts	Diameter of Bolt Circle
1/2	3 1/2	4	1/2 x 1 1/2	2 3/8	3 3/4	4	1/2 x 2	2 5/8	For sizes 3 1/2" and smaller, use 600-Pound American Standard			
3/4	3 7/8	4	1/2 x 1 3/4	2 3/4	4 5/8	4	5/8 x 2 1/4	3 1/4				
1	4 1/4	4	1/2 x 1 3/4	3 1/8	4 7/8	4	5/8 x 2 1/4	3 1/2				
1 1/4	4 5/8	4	1/2 x 1 3/4	3 1/2	5 1/4	4	5/8 x 2 1/2	3 7/8				
1 1/2	5	4	1/2 x 2	3 7/8	6 1/8	4	3/4 x 2 3/4	4 1/2				
2	6	4	5/8 x 2 1/4	4 3/4	6 1/2	8	5/8 x 2 3/4	5				
2 1/2	7	4	5/8 x 2 1/4	5 1/2	7 1/2	8	3/4 x 3	5 7/8				
3	7 1/2	4	5/8 x 2 1/2	6	8 1/4	8	3/4 x 3 1/4	6 5/8				
3 1/2	8 1/2	8	5/8 x 2 1/2	7	9	8	3/4 x 3 1/4	7 1/4				
4	9	8	5/8 x 2 3/4	7 1/2	10	8	3/4 x 3 1/2	7 7/8				
5	10	8	3/4 x 2 3/4	8 1/2	11	8	3/4 x 3 3/4	9 1/4	11	8	7/8 x 5 1/2	9 1/4
6	11	8	3/4 x 3	9 1/2	12 1/2	12	3/4 x 4	10 5/8	12 1/2	12	7/8 x 5 3/4	10 5/8
8	13 1/2	8	3/4 x 3 3/4	11 3/4	15	12	7/8 x 4 1/2	13	15	12	1 x 6 1/2	13
10	16	12	7/8 x 3 1/2	14 1/4	17 1/2	16	1 x 5	15 1/4	17 1/2	16	1 1/8 x 7 1/4	15 1/4
12	19	12	7/8 x 3 3/4	17	20 1/2	16	1 1/8 x 5 1/2	17 3/4	20 1/2	16	1 1/4 x 7 3/4	17 3/4
14	21	12	1 x 4	18 3/4	23	20	1 1/8 x 5 3/4	20 1/4	23	20	1 1/4 x 8	20 1/4
16	23 1/2	16	1 x 4 1/4	21 1/4	25 1/2	20	1 1/4 x 6	22 1/2	25 1/2	20	1 3/8 x 8 1/2	22 1/2
18	25	16	1 1/8 x 4 1/2	22 3/4	28	24	1 1/4 x 6 1/4	24 3/4	28	24	1 3/8 x 8 3/4	24 3/4
20	27 1/2	20	1 1/8 x 4 3/4	25	30 1/2	24	1 1/4 x 6 1/2	27	30 1/2	24	1 1/2 x 9 1/2	27
24	32	20	1 1/4 x 5 1/4	29 1/2	36	24	1 1/2 x 7 1/4	32	36	24	1 3/4 x 10 1/4	32

Nominal Pipe Size — Inches	600-Pound				900-Pound				1500-Pound			
	Diameter Flange	Number of Bolts	Diameter and Length of Stud Bolts	Diameter of Bolt Circle	Diameter Flange	Number of Bolts	Diameter and Length of Stud Bolts	Diameter of Bolt Circle	Diameter Flange	Number of Bolts	Diameter and Length of Stud Bolts	Diameter of Bolt Circle
1/2	3 3/4	4	1/2 x 3	2 5/8	For sizes 2 1/2" and smaller, use 1500-Pound American Standard				4 3/4	4	7/8 x 4	3 1/4
3/4	4 5/8	4	5/8 x 3 1/4	3 1/4					5 1/8	4	7/8 x 4 1/2	3 1/2
1	4 7/8	4	5/8 x 3 1/2	3 1/2					5 7/8	4	7/8 x 5	4
1 1/4	5 1/4	4	5/8 x 3 3/4	3 7/8					6 1/4	4	7/8 x 5	4 3/8
1 1/2	6 1/8	4	3/4 x 4	4 1/2					7	4	1 x 5 1/2	4 7/8
2	6 1/2	8	5/8 x 4	5					8 1/2	8	7/8 x 5 1/4	6 1/2
2 1/2	7 1/2	8	3/4 x 4 1/2	5 7/8					9 5/8	8	1 x 6 1/4	7 1/2
3	8 1/4	8	3/4 x 4 3/4	6 5/8					10 1/2	8	1 1/8 x 7	8
4	10 3/4	8	7/8 x 5 1/2	8 1/2					11 1/2	8	1 1/4 x 7 3/4	9 1/2
5	13	8	1 x 6 1/2	10 1/2					13 3/4	8	1 1/4 x 7 1/2	11
6	14	12	1 x 6 3/4	11 1/2	15	12	1 1/8 x 7 1/2	12 1/2	15 1/2	12	1 3/8 x 10 1/4	12 1/2
8	16 1/2	12	1 1/8 x 7 1/2	13 3/4	18 1/2	12	1 3/8 x 8 1/2	15 1/2	19	12	1 5/8 x 11 1/2	15 1/2
10	20	16	1 1/4 x 8 1/4	17	21 1/2	16	1 3/8 x 9	18 1/2	23	12	1 7/8 x 13 1/4	19
12	22	20	1 1/4 x 8 1/2	19 1/4	24	20	1 3/8 x 9 3/4	21	26 1/2	16	2 x 14 3/4	22 1/2
14	23 3/4	20	1 3/8 x 9	20 3/4	25 1/4	20	1 1/2 x 10 1/2	22	29 1/2	16	2 1/4 x 16	25
16	27	20	1 1/2 x 9 3/4	23 3/4	27 3/4	20	1 5/8 x 11	24 1/4	32 1/2	16	2 1/2 x 17 1/2	27 3/4
18	29 1/4	20	1 5/8 x 10 1/2	25 3/4	31	20	1 7/8 x 12 1/2	27	36	16	2 3/4 x 19 1/4	30 1/2
20	32	24	1 5/8 x 11	28 1/2	33 3/4	20	2 x 13 1/4	29 1/2	38 3/4	16	3 x 21 1/4	32 3/4
24	37	24	1 7/8 x 12 1/2	33	41	20	2 1/2 x 16 3/4	35 1/2	46	16	3 1/2 x 24 1/4	39

Diameter of bolt holes 1/8" larger than diameter of bolts. Flanges are drilled to straddle vertical and horizontal centerlines.

Nom. Pipe Size	Cast Iron				Steel							Nom. Pipe Size
	125 lb. Flanged	250 lb. Flanged	150 lb. Flanged	150 lb. Wldg. End	Welding or Flanged Ends							
					300 lb.	400 lb.	600 lb.	900 lb.	1500 lb.	2500 lb.		
<b>SOLID WEDGE GATE VALVES</b>												
1	—	—	5	5	—	8 1/2	8 1/2	10	10	12 1/8	1	
1 1/4	—	—	5 1/2	5 1/2	—	9	9	11	11	13 3/4	1 1/4	
1 1/2	—	—	6 1/2	6 1/2	7 1/2	9 1/2	9 1/2	12	12	15 1/8	1 1/2	
2	7	8 1/2	7	8 1/2	8 1/2	11 1/2	11 1/2	14 1/2	14 1/2	17 3/4	2	
2 1/2	7 1/2	9 1/2	7 1/2	9 1/2	9 1/2	13	13	16 1/2	16 1/2	20	2 1/2	
3	8	11 1/8	8	11 1/8	11 1/8	14	14	15	18 1/2	22 3/4	3	
3 1/2	8 1/2	11 7/8*	8 1/2*	—	11 7/8*	15*	15*	17*	19 1/2*	—	3 1/2	
4	9	12	9	12	12	16	17	18	21 1/2	26 1/2	4	
5	10	15	10	15	15	18	20	22	26 1/2	31 1/4	5	
6	10 1/2	15 7/8	10 1/2	15 7/8	15 7/8	19 1/2	22	24	27 3/4	36	6	
8	11 1/2	16 1/2	11 1/2	16 1/2	16 1/2	23 1/2	26	29	32 3/4	40 1/4	8	
10	13	18	13	18	18	26 1/2	31	33	39	50	10	
12	14	19 3/4	14	19 3/4	19 3/4	30	33	38	44 1/2	56	12	
14	15	22 1/2	15	22 1/2	30	32 1/2	35	40 1/2	49 1/2	—	14	
16	16	24	16	24	33	35 1/2	39	44 1/2	54 1/2	—	16	
18	17	26	17	26	36	38 1/2	43	48	60 1/2	—	18	
20	18	28	18	28	39	41 1/2	47	52	65 1/2	—	20	
24	20	31	20	32	45	48 1/2	55	61	76 1/2	—	24	
<b>GLOBE VALVES</b>												
1	—	—	5	5	8	8 1/2	8 1/2	10	10	12 1/8	1	
1 1/4	—	—	5 1/2	5 1/2	8 1/2	9	9	11	11	13 3/4	1 1/4	
1 1/2	—	—	6 1/2	6 1/2	9	9 1/2	9 1/2	12	12	15 1/8	1 1/2	
2	8	10 1/2	8	8	10 1/2	11 1/2	11 1/2	14 1/2	14 1/2	17 3/4	2	
2 1/2	8 1/2	11 1/2	8 1/2	8 1/2	11 1/2	13	13	16 1/2	16 1/2	20	2 1/2	
3	9 1/2	12 1/2	9 1/2	9 1/2	12 1/2	14	14	15	18 1/2	22 3/4	3	
3 1/2*	10 1/2	13 1/4	10 1/2	10 1/2	13 1/4	15	15	17	19 1/2	—	3 1/2*	
4	11 1/2	14	11 1/2	11 1/2	14	16	17	18	21 1/2	26 1/2	4	
5	13	15 3/4	14	14	15 3/4	18	20	22	26 1/2	31 1/4	5	
6	14	17 1/2	16	16	17 1/2	19 1/2	22	24	27 3/4	36	6	
8	19 1/2	21	19 1/2	19 1/2	22	23 1/2	26	29	32 3/4	40 1/4	8	
10	24 1/2	24 1/2	24 1/2	24 1/2	24 1/2	26 1/2	31	33	39	50	10	
12	27 1/2	28	27 1/2	27 1/2	28	30	33	38	44 1/2	56	12	

DIMENSIONS are shown in inches. \*Not defined in ASA B16.10.

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## MAJOR SUPPLIERS

ALLOY PIPING PRODUCTS  
ALLOY STAINLESS PRODUCTS  
AMERICAN TUBE  
AMERICAN VALVE INC.  
AMERI-FORGE  
ANVIL INTERNATIONAL  
APOLLO VALVE-DIV. OF CONBRACO  
AVESTA SHEFFIELD PIPE CO.  
B-LINE MFG.  
BILLCO CORPORATION  
BONNY FORGE  
CAPITOL-CAMCO MFG.  
IMI CASH VALVE  
CONBRACO INDUSTRIES  
CORDELE STEEL CO.  
CRANE VALVES  
CUSTOM ALLOY  
DEKORON TUBE  
DFT (DURABLA)  
EDWARDS VALVE  
ELKHART PRODUCTS  
EMPIRE TOOL & MFG.  
FELKER PIPING PRODUCTS  
FLOWLINE DIV.  
GIBSON PRODUCTS  
GIBSON TUBE  
HAMMOND VALVE  
HOLYOKE FITTINGS  
IPEX  
JACOBY TARBOX  
JAYCO  
JEFFERSON UNION CO.  
JERO INC.  
KEMPER VALVE & FITTINGS CORP.  
KERKAU MFG.  
LADISH CO.  
LEAK LOCK  
MAASS FLANGE  
MATRYX  
MERIT BRASS  
MILWAUKEE VALVE CO. INC.  
MUELLER BRASS  
MUELLER STEAM SPECIALTY  
NEVER-SEEZ  
NEWMANS FLANGE  
NEWPORT STEEL  
NIBCO CHEMTROL  
NIBSCO INC.  
NORDSTROM VALVE  
PENNSYLVANIA MACHINE WORKS  
PHOENIX FORGING CO. INC.  
PIPING PRODUCTS INC.  
POWELL VALVES  
RECTORSEAL CORPORATION  
REINFORCED PLASTIC SYSTEMS  
RESISTOFLEX  
RESUN (FLOW CONTROL)  
RIDGE TOOL CO.  
RP&C – DIV OF CONBRACO  
SANDVIK STEEL CO.  
SAUNDERS VALVE  
SHARON TUBE CO.  
SHARPE VALVE  
SMITH-BLAIR CO.  
SPEARS MANUFACTURING CO.  
SPIRAX SARCO  
STELPIPE (DIV. OF STELCO)  
STOCKHAM VALVE AND FITTINGS  
TAYLOR FORGE STAINLESS  
TEXAS METAL WORKS INC.  
TOP LINE  
TUBE FORGINGS OF AMERICA INC.  
TUBE-LINE CORP.  
TUBE TURNS  
TUFLINE VALVES (XOMOX)  
TYLOK  
UNITED STATES STEEL CORP.  
URELL INC.  
VELAN VALVE CORP.  
VICTAULIC CO.  
VOGT VALVE  
WARD MFG. INC.  
WATTS REGULATOR  
WELDBEND CORP.  
WESTERN OF TEXAS FORGE & FLG.  
WFI INTERNATIONAL  
WHEATLAND TUBE  
WINTERS INSTRUMENT  
XOMOX CORPORATION

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