



Industrial Municipal Supply Company Inc.

“Service Beyond Expectation”



Product Sales & Services

Custom Fabrication &
Field Services

Fusion Equipment

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INDUSTRIES WE SERVE



Water & Wastewater

Filtration & Bypass

Refineries & Chemical Plants

Landfills

Oil & Gas

Dredging

Energy & Power Plants

Paper Mills

Mining

Horizontal Directional Boring

Storm Water & Industrial Drainage

Agricultural & Irrigation

Engineered Specific Applications



WHO WE ARE



IMSCO is a family owned company that believes in doing business with a handshake, smile and the assurance that we will take care of our clientele. Our team is passionate about our clients and the industry. We specialize in the wholesale distribution of high-density polyethylene, PVC, ductile iron pipe, valves and fittings. With over 50 years experience, our expertise is reflected through our work in the industrial, municipal, dredge, and oil field markets. We are an authorized McElroy dealer with the largest inventory of fusion machines and parts in the state of Louisiana. We look forward to partnering with you on your next project.

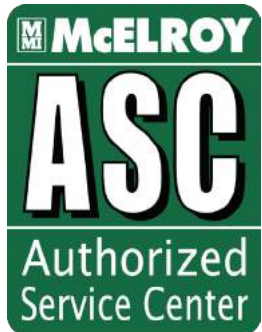


“We support
the product
from conception
to completion.”



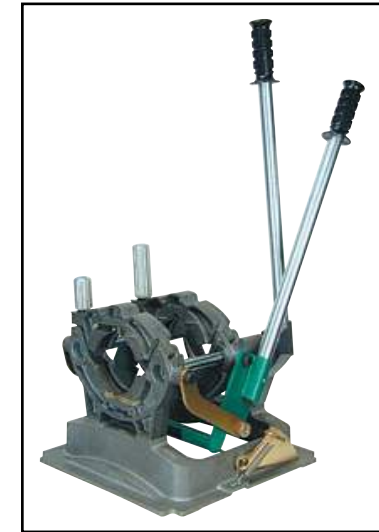
FUSION MACHINES - PITBULLS

IMSCO is a channel partner and stocking distributor with McElroy Manufacturing Inc., which is known to make the most reliable, efficient, rugged and technically advanced pipe fusion equipment in the world. Our rental fleet ranges from the smallest, 2LC (3/4" - 2") to our largest, MegaMc (20" - 65") and everything in between. These machines can be rented or purchased in multiple configurations – two of the most popular are the rolling cart or the self-powered, all-terrain mobile TracStar. These fusion machines are available for rental on a daily, weekly, or monthly basis. Ask about long term and multi-unit rental rates.



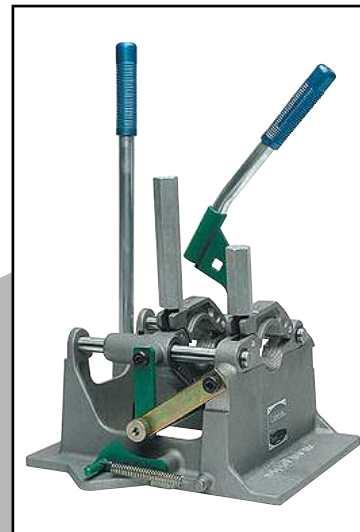
PITBULL NO.26

The PitBull 26 fuses pipe sizes 2" IPS to 6" DIPS (63mm - 800mm). Its semi-automatic locking cam helps maintain force during the cooling cycle. The Pitbull 26 fits on the Manual Fusion Stand accessory.



PITBULL NO.14

A compact and reliable machine, the PitBull No.14 is used to fuse pipe sizes 1" IPS to 4" DIPS (32mm - 110mm).



NO.2LC

The No.2LC is designed to butt fuse a variety of pipes and fittings, including tees and ells. It can fuse pipe sizes 1/2" CTS to 2" IPS (16mm - 60mm).

FUSION MACHINES - ROLLING



ROLLING 28

2" IPS - 8" DIPS (63MM - 225MM)

The Rolling 28 has staked its claim as the industry standard for more than 40 years. Its ease of use and rugged quality construction opened the door for the most extensive line of 8-inch fusion machines on the market.



ROLLING 412

4"IPS - 12" DIPS (110MM - 340MM)

The Rolling No. 412 was the first fully self-contained fusion machine in the world. It is DataLogger compatible and easily maneuverable. Its hydraulic pipe lift aids in loading/unloading pipe.



ROLLING 618

6" IPS - 18" OD (160MM - 450MM)

The Rolling No. 618 bridges the gap between small and large diameter pipe fusion. It contains an on-board generator and hydraulic pipe lifts. It is easy to maneuver and is DataLogger compatible.



MEGAMC 824

8" IPS - 24" OD (225MM - 630MM)

The 824 can be converted to use a top-loading heater and facer for confined spaces. Its rugged outriggers assure stability for all jobs.



MEGAMC 1236

12" IPS - 36" OD (340MM - 900MM)

The 1236 brings the flexibility of smaller machines to large-diameter fusion. The carriage features 4 jaws, with a removable 3-jaw carriage for better accessibility in the ditch. The heater and facer can be top-loaded into the machine to maximize functionality in tighter spaces.



FUSION MACHINES - TRACSTAR



TRACSTAR 28

2" IPS - 8" DIPS (63MM - 225MM)
The TracStar No.28 is a self-propelled vehicle. It functions well on all terrains and fits in a standard long box truck bed for easy transport. It is DataLogger compatible and is also in CU for sidewall fusion.



TRACSTAR 412

4" IPS - 12" DIPS (110MM - 340MM)
The TracStar No. 412 set a new standard with its all terrain mobility. It has an on-board generator and provides dual hydraulic pipe lifts to aid in handling pipe.



TRACSTAR 618

6" IPS - 18" OD (160MM - 450MM)
The new TracStar 618 Series 2 has been completely redesigned based on feedback from the field. The Series 2 machines incorporate a new cowl design that aids in heat dissipation — while providing easier access for machine maintenance.



TRACSTAR 630

8" IPS - 24" OD (225MM - 630MM)
The TracStar 630 has an on-board generator and a removable carriage for in-ditch work. Its dual speed tracks make it durable in all terrains.



TRACSTAR 900

12" IPS - 36" OD (340MM - 900MM)
The TracStar 900 is a self-contained, self-propelled, all-terrain fusion machine with an on-board generator for powering the heater. The carriage can be easily removed for in-ditch use.



TRACSTAR 500

6" IPS - 20" OD (160MM - 500MM)
The TracStar 500 was the first fusion machine to be mounted on tracks. Powered by a 23 HP 3 cylinder liquid cooled diesel engine, this TracStar is self-propelled and fit for all terrains.



FUSION MACHINES - MEGAMC



MEGAMC 1648

The MegaMc 1648 serves the larger diameter needs of water and sewer industry. It will butt fuse pipe sizes 16" IPS OD to 48" IPS OD (450mm to 1200 mm). It allows for fusion of most fittings without special holders or removal of outer jaw, and it can fabricate ells. It has dual hydraulic pipe lifts, hydraulic clamping, and a pivoting heater and facer.



MEGAMC 2065

The MegaMc 2065 was designed for the largest pipe applications. It will butt fuse sizes 20" IPS OD to 65" IPS OD (500mm to 1600mm) and has all the advantages of No. 1648.



SOCKET FUSION

Socket Fusion uses heat to bond pipes together. Unlike butt fusion, socket fusion is socket x spigot. Custom-shaped heating plates are used in this method, which is perfect for fusing smaller pipe sizes 1/2" CTS to 2" IPS.



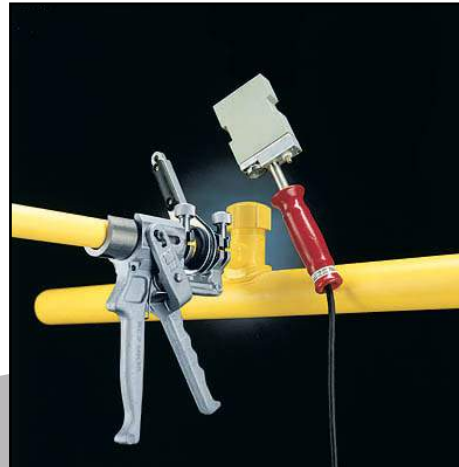
SOCKET TOOLING



MINI MC™

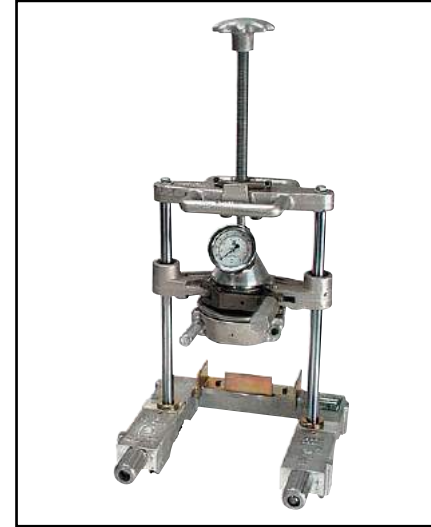


SOCKET TOOLING KIT

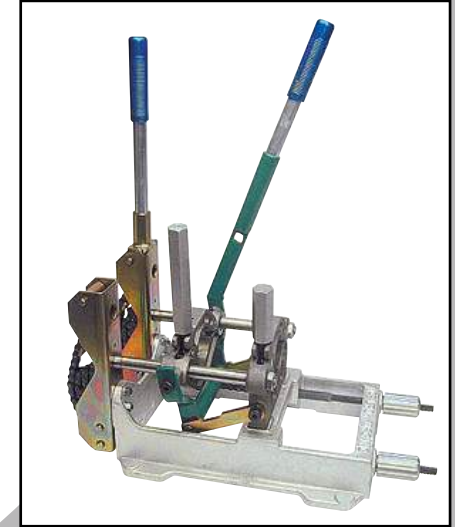


SIDEWALL FUSION

Sidewall Fusion performs fusion onto the side of the pipe wall rather than in line with the pipe wall. Concave/Convex heater plates matching the pipe diameter are installed on the heater and used in conjunction with a combination fusion unit.



SIDEWINDER



NO2CU



DATALOGGERS & ACCESSORIES



DATALOGGER 6



DATALOGGER 6 AND VAULT

CALIBRATION PUMP

It is important to always properly maintain and calibrate any DataLogger as to get the most accurate readings. IMSCO services and calibrates Dataloggers in house.



DATALOGGER 6

DATALOGGER

The DataLogger records parameters of the fusion process and can be used to verify proper fusion and installation procedures. It comes in two parts – a data collection device, which records heater temperature and fusion pressure, and a handheld computer where the data is transmitted and stored for later use. It comes in wired and wireless versions.

ROLLERS - POLYHORSE - PIPE STAND - SIDE BEND TESTER



LOW PROFILE ROLLERS



POLYHORSE



PIPE STAND



SIDE BEND TESTER

LOW PROFILE ROLLERS

Pipe rollers can be found for a wide range of pipe from 4" IPS up to 54" OD and can be placed in intervals from the fusion machine on down the pipeline, creating a track that allows fused pipe to slide across the rollers. This is especially useful in industries that require contractors to keep the pipe clean and off the ground.

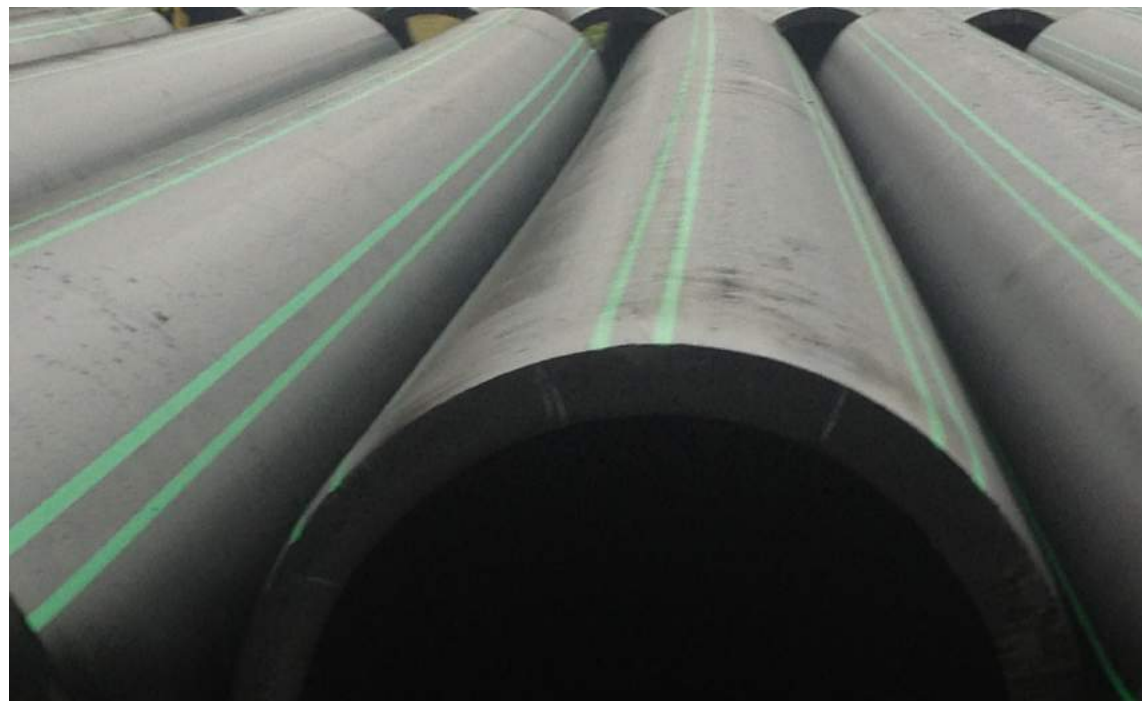
PIPE STANDS

Adjustable pipe stands are essential to support, position and align pipe to be fused.

SIDE BEND TESTER

McElroy's Guided Side Bend Tester performs a qualitative test of a fusion joint by destructively testing a coupon. The quality assurance device tests the ductility of polyethylene pipe fusion joints in a safe, quick manner. This testing method places the entire wall thickness into tension and gives assurance of the ductility of joints.

HDPE PIPE - IPS & DIPS



IMSCO is qualified to meet the demanding needs of both the industrial and municipal water, wastewater, and energy markets in applications such as potable water; fire water; sewer; drainage; dredge; oil and gas gathering systems; methane recovery from coal seams and landfills; and water supply lines for oil recovery systems and much more.

IRON PIPE SIZE (IPS) PRESSURE RATING & DIMENSION DATA FOR PE4710- HDPE PIPE

Pressure Rating are calculated using 0.63 design factor for HDS at 73°F as listed in PPI TR-4 for PE 4710 materials. HDPE can accommodate up to 1.5 times the pipe pressure rating for a recurring surge and up to 2.0 times the pipe pressure rating for an occasional surge. Temperature, Chemical, and Environmental use considerations may require use of additional design factors.

Pressure Rating		335 psi DR 7.0			250 psi DR 9.0			200 psi DR 11.0			160 psi DR 13.5			Nominal Pipe Size
Nominal Pipe Size	IPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
3/4"	1.050	0.150	0.732	0.187	0.117	0.803	0.148	0.095	0.848	0.124				
1"	1.315	0.188	0.917	0.288	0.146	1.005	.232	0.120	1.062	0.195				
1 1/4"	1.660	0.237	1.158	0.46	0.184	1.270	0.37	0.151	1.340	0.31	0.123	1.399	0.26	1 1/4"
1 1/2"	1.900	0.271	1.325	0.61	0.211	1.453	0.49	0.173	1.533	0.41	0.141	1.601	0.34	1 1/2"
2"	2.375	0.339	1.656	0.95	0.264	1.815	0.77	0.216	1.917	0.64	0.176	2.002	0.53	2"
3"	3.500	0.500	2.440	2.06	0.389	2.675	1.66	0.318	2.826	1.39	0.259	2.951	1.16	3"
4"	4.500	0.643	3.137	3.40	0.500	3.440	2.75	0.409	3.633	2.31	0.333	3.794	1.92	4"
6"	6.625	0.946	4.619	7.37	0.736	5.065	5.96	0.602	5.349	5.00	0.491	5.584	4.15	6"
8"	8.625	1.232	6.013	12.50	0.958	6.594	10.11	0.784	6.963	8.47	0.639	7.270	7.04	8"
10"	10.750	1.536	7.494	19.42	1.194	8.219	15.70	0.977	8.679	13.16	0.796	9.062	10.93	10"
12"	12.750	1.821	8.889	27.31	1.417	9.746	22.08	1.159	10.293	18.51	0.944	10.749	15.38	12"
14"	14.000	2.000	9.760	32.93	1.556	10.701	26.63	1.273	11.301	22.32	1.037	11.802	18.54	14"
16"	16.000	2.286	11.154	43.01	1.778	12.231	34.78	1.455	12.915	29.15	1.185	13.488	24.22	16"
18"	18.000	2.571	12.549	54.43	2.000	13.760	44.02	1.636	14.532	36.89	1.333	15.174	30.65	18"
20"	20.000	2.857	12.549	67.20	2.222	15.289	54.34	1.818	16.146	45.54	1.481	16.860	37.84	20"
22"	22.000	3.143	15.337	81.32	2.444	16.819	65.75	2.000	17.760	55.10	1.630	18.544	45.79	22"
24"	24.000	3.429	16.731	96.77	2.667	18.346	78.25	2.182	19.374	65.58	1.778	20.231	54.49	24"
26"	26.000				2.889	19.875	91.84	2.364	20.988	76.96	1.926	21.917	63.95	26"
28"	28.000				3.111	21.405	106.51	2.545	22.605	89.26	2.074	23.603	74.17	28"
30"	30.000				3.333	22.934	122.27	2.727	24.219	102.47	2.222	25.289	85.14	30"
32"	32.000				3.556	24.462	139.12	2.909	25.833	116.58	2.370	26.976	96.87	32"
34"	34.000							3.091	27.447	131.61	2.519	28.660	109.36	34"
36"	36.000							3.273	29.061	147.55	2.667	30.346	122.60	36"
42"	42.000							3.818	33.906	200.84	3.111	35.405	166.88	42"

This size and dimension chart is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. Pipe weights are calculated in accordance with PPI TR-7. Average inside diameter is calculated using IPS OD and Minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary. When designing components to fit the pipe ID, refer to pipe dimension and tolerances in the applicable pipe manufacturing specification.

IRON PIPE SIZE (IPS) PRESSURE RATING & DIMENSION DATA FOR PE4710- HDPE PIPE

Pressure Rating are calculated using 0.63 design factor for HDS at 73°F as listed in PPI TR-4 for PE 4710 materials. HDPE can accommodate up to 1.5 times the pipe pressure rating for a recurring surge and up to 2.0 times the pipe pressure rating for an occasional surge. Temperature, Chemical, and Environmental use considerations may require use of additional design factors.

Pressure Rating		125 psi DR 17.0			100 psi DR 21.0			80 psi DR 26.0			63 psi DR 32.5			Nominal Pipe Size
Nominal Pipe Size	IPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
3/4"	1.050													3/4"
1"	1.315													2"
1 1/4"	1.660													1 1/4"
1 1/2"	1.900													1 1/2"
2"	2.375	0.140	2.078	0.43										2"
3"	3.500	0.206	3.063	0.94										3"
4"	4.500	0.265	3.938	1.55	0.214	4.046	1.27							4"
6"	6.625	0.390	5.798	3.36	0.315	5.957	2.75	0.255	6.084	2.24	0.204	6.193	1.81	6"
8"	8.625	0.507	7.550	5.69	0.411	7.754	4.66	0.332	7.921	3.80	0.265	8.063	3.07	8"
10"	10.750	0.632	9.410	8.83	0.512	9.665	7.24	0.413	9.874	5.91	0.331	10.048	4.77	10"
12"	12.750	0.750	11.160	12.43	0.607	11.463	10.19	0.490	11.711	8.31	0.392	11.919	6.71	12"
14"	14.000	0.824	12.253	14.98	0.667	12.586	12.28	0.538	12.859	10.02	0.431	13.086	8.09	14"
16"	16.000	0.941	14.005	19.57	0.762	14.385	16.04	0.615	14.696	13.09	0.492	14.957	10.56	16"
18"	18.000	1.059	15.755	24.77	0.857	16.183	20.30	0.692	16.533	16.57	0.554	16.826	13.37	18"
20"	20.000	1.176	17.507	30.58	0.952	17.982	25.07	0.769	18.370	20.45	0.615	18.696	16.50	20"
22"	22.000	1.294	19.257	37.00	1.048	19.778	30.33	0.846	20.206	24.75	0.677	20.565	19.97	22"
24"	24.000	1.412	21.007	44.03	1.143	21.577	36.10	0.923	22.043	29.45	0.738	22.435	23.76	24"
26"	26.000	1.529	22.759	51.67	1.238	23.375	42.36	1.000	23.880	34.57	0.800	24.304	27.89	26"
28"	28.000	1.647	24.508	59.93	1.333	25.174	49.13	1.077	25.717	40.09	0.862	26.173	32.34	28"
30"	30.000	1.765	26.258	68.80	1.429	26.971	56.40	1.154	27.554	46.02	0.923	28.043	37.13	30"
32"	32.000	1.882	28.010	78.28	1.524	28.769	64.17	1.231	29.390	52.36	0.985	29.912	42.24	32"
34"	34.000	2.000	29.760	88.37	1.619	30.568	72.44	1.308	31.227	59.11	1.046	31.782	47.69	34"
36"	36.000	2.118	31.510	99.07	1.714	32.366	81.21	1.385	33.064	66.27	1.108	33.651	53.46	36"
42"	42.000	2.471	36.761	134.84	2.000	37.760	110.54	1.615	38.576	90.20	1.292	39.261	72.77	42"
48"	48.000	2.824	42.013	176.12	2.286	43.154	144.38	1.846	44.086	117.81	1.477	44.869	95.05	48"
54"	54.000	3.176	47.266	222.90	2.571	48.549	182.73	2.077	49.597	149.10	1.662	50.477	120.29	54"
63"	62.999				3.000	56.631	247.80	2.423	57.854	202.010	1.938	58.881	162.980	63"

DUCTILE IRON PIPE SIZE (DIPS) PRESSURE RATING & DIMENSION DATA FOR PE4710 HDPE PIPE

Pressure Rating are calculated using 0.63 design factor for HDS at 73°F as listed in PPI TR-4 for PE 4710 materials. HDPE can accommodate up to 1.5 times the pipe pressure rating for a recurring surge and up to 2.0 times the pipe pressure rating for an occasional surge. Temperature, Chemical, and Environmental use considerations may require use of additional design factors.

Pressure Rating		335 psi DR 7.0			250 psi DR 9.0			200 psi DR 11.0			160 psi DR 13.5			Nominal Pipe Size
Nominal Pipe Size	DIPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
4"	4.800	0.686	3.346	3.87	0.533	3.670	3.13	0.436	3.876	2.62	0.356	4.045	2.18	4"
6"	6.900	0.986	4.810	8.00	0.767	5.274	6.47	0.627	5.571	5.42	0.511	5.817	4.50	6"
8"	9.050	1.293	6.309	13.76	1.006	6.917	11.13	0.823	7.305	9.32	0.670	7.630	7.75	8"
10"	11.100	1.586	7.738	20.70	1.233	8.486	16.74	1.009	8.961	14.03	0.822	9.357	11.66	10"
12"	13.200	1.886	9.202	29.27	1.467	10.090	23.67	1.200	10.656	19.84	0.978	11.127	16.48	12"
14"	15.300	2.186	10.666	39.33	1.700	11.696	31.80	1.391	12.351	26.65	1.133	12.898	22.15	14"
16"	17.400	2.486	12.130	50.87	1.933	13.302	41.13	1.582	14.046	34.47	1.289	14.667	28.64	16"
18"	19.500	2.786	13.594	63.89	2.167	14.906	51.66	1.773	15.741	43.29	1.444	16.439	35.97	18"
20"	21.600				2.400	16.512	63.38	1.964	17.436	53.12	1.600	18.208	44.14	20"
24"	25.800				2.867	19.722	90.43	2.345	20.829	75.78	1.911	21.749	62.97	24"
30"	32.000							2.909	25.833	116.58	2.370	26.976	96.87	30"
36"	38.300							3.482	30.918	167.01	2.837	32.286	138.77	36"
42"	44.500										3.296	37.512	187.33	42"

Pressure Rating		125 psi DR 17.0			100 psi DR 21.0			80 psi DR 26.0			63 psi DR 32.5			Nominal Pipe Size
Nominal Pipe Size	DIPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
4"	4.800	0.282	4.202	1.76	0.229	4.315	1.45							4"
6"	6.900	0.406	6.039	3.64	0.329	6.203	2.99	0.265	6.338	2.43	0.212	6.451	1.96	6"
8"	9.050	0.532	7.922	6.26	0.431	8.136	5.13	0.348	8.312	4.19	0.278	8.461	3.37	8"
10"	11.100	0.653	9.716	9.42	0.529	9.979	7.73	0.427	10.195	6.30	0.342	10.375	5.09	10"
12"	13.200	0.776	11.555	13.31	0.629	11.867	10.93	0.508	12.123	8.91	0.406	12.339	7.19	12"
14"	15.300	0.900	13.392	17.89	0.729	13.755	14.68	0.588	14.053	11.96	0.471	14.301	9.66	14"
16"	17.400	1.024	15.229	23.15	0.829	15.643	18.98	0.669	15.982	15.48	0.535	16.266	12.48	16"
18"	19.500	1.147	17.068	29.07	0.929	17.531	23.84	0.750	17.910	19.44	0.600	18.228	15.69	18"
20"	21.600	1.271	18.905	35.68	1.029	19.419	29.25	0.831	19.838	23.86	0.665	20.190	19.26	20"
24"	25.800	1.518	22.582	50.89	1.229	23.195	41.73	0.992	23.697	34.03	0.794	24.117	27.46	24"
30"	32.000	1.882	28.010	78.26	1.524	28.769	64.18	1.231	29.390	52.37	0.985	29.912	42.26	30"
36"	38.300	2.253	33.524	112.13	1.824	34.433	91.93	1.473	35.177	75.00	1.178	35.803	60.49	36"
42"	44.500	2.618	38.950	151.39	2.119	40.008	124.09	1.712	40.871	101.28	1.369	41.598	81.68	42"

HDPE FITTINGS

HDPE FABRICATED FITTINGS



90° ELBOW



45° ELBOW



22.5° ELBOW



TEE



REDUCING TEE



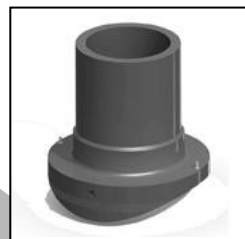
WYE



CROSS



REDUCER
BUSHING



BRANCH SADDLE



MACHINED
END CAP



BLIND FLANGE



WATER-STOPS

HDPE MOLDED FITTINGS



90° ELBOW



45° ELBOW



TEE



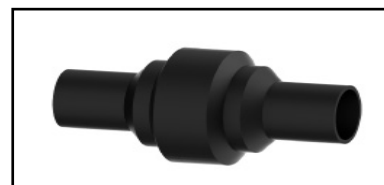
REDUCING TEE



CROSS



REDUCER



CHECK VALVE



BALL VALVE



FLANGE ADAPTER



BACKUP RING



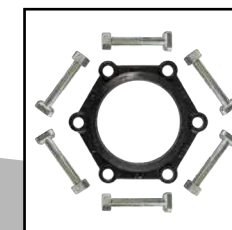
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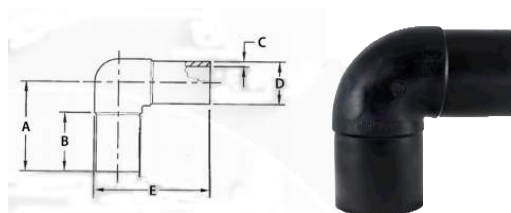
PULL HEAD



CAP



MJ GLAND KIT



MOLDED 90° ELBOW

IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	4.25"	2.95"	0.140"	2.375"	5.44"	0.4 lbs.
3" IPS	5.91"	4.06"	0.206"	3.500"	7.66"	1.1 lbs.
4" IPS	6.89"	4.53"	0.265"	4.500"	9.14"	1.6 lbs.
6" IPS	9.06"	5.63"	0.390"	6.625"	12.37"	7.8 lbs.
8" IPS	11.81"	7.20"	0.507"	8.625"	16.13"	12.8 lbs.
10" IPS	13.78"	8.27"	0.632"	10.750"	19.15"	24.0 lbs.
12" IPS	14.96"	8.46"	0.750"	12.750"	21.33"	49.4 lbs.

MOLDED 90° ELBOW

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
¾" IPS	3.19"	2.14"	0.095"	1.050"	3.82"	0.1 lbs.
1" IPS	3.31"	2.18"	0.120"	1.315"	4.06"	0.2 lbs.
1 ¼" IPS	3.48"	2.15"	0.151"	1.660"	4.41"	0.3 lbs.
1 ½" IPS	3.92"	2.37"	0.173"	1.900"	5.00"	0.4 lbs.
2" IPS	4.25"	2.95"	0.216"	2.375"	5.44"	0.5 lbs.
3" IPS	5.91"	4.06"	0.318"	3.500"	7.66"	1.5 lbs.
4" IPS	6.89"	4.53"	0.409"	4.500"	9.14"	2.8 lbs.
6" IPS	9.06"	5.63"	0.602"	6.625"	12.37"	5.7 lbs.
8" IPS	11.81"	7.20"	0.784"	8.625"	16.13"	17.4 lbs.
10" IPS	13.78"	8.27"	0.977"	10.750"	19.15"	32.0 lbs.
12" IPS	14.96"	8.46"	1.159"	12.750"	21.33"	36.9 lbs.

MOLDED 90° ELBOW

IPS - SDR 9 - 255 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	4.25"	2.95"	0.264"	2.375"	5.44"	0.6 lbs.
3" IPS	5.91"	4.06"	0.389"	3.500"	7.66"	1.7 lbs.
4" IPS	6.89"	4.53"	0.500"	4.500"	9.14"	3.1 lbs.
6" IPS	9.06"	5.63"	0.736"	6.625"	12.37"	9.0 lbs.
8" IPS	11.81"	7.20"	0.958"	8.625"	16.13"	19.7 lbs.

MOLDED 90° ELBOW

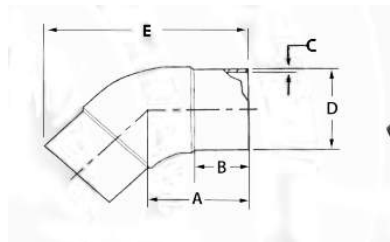
IPS - SDR 7 - 335 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	4.25"	2.95"	0.339"	2.375"	5.44"	0.8 lbs.
3" IPS	5.91"	4.06"	0.500"	3.500"	7.66"	2.0 lbs.
4" IPS	6.89"	4.53"	0.643"	4.500"	9.14"	3.2 lbs.
6" IPS	9.06"	5.63"	0.946"	6.625"	12.37"	10.9 lbs.
8" IPS	11.81"	7.20"	1.232"	8.625"	16.13"	24.1 lbs.

MOLDED 90° ELBOW

DIPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
4" DIPS	7.55"	4.10"	0.436"	4.800"	10.04"	4.0 lbs.
6" DIPS	9.67"	5.10"	0.627"	6.900"	13.34"	10.1 lbs.
8" DIPS	11.58"	5.20"	0.823"	9.050"	16.33"	19.8 lbs.



MOLDED 45° ELBOW

IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	3.23"	2.64"	0.140"	2.375"	6.38"	0.3 lbs.
3" IPS	4.72"	3.86"	0.206"	3.500"	9.33"	0.9 lbs.
4" IPS	5.31"	4.21"	0.265"	4.500"	10.63"	1.7 lbs.
6" IPS	6.89"	5.35"	0.390"	6.625"	14.09"	4.4 lbs.
8" IPS	8.46"	6.54"	0.507"	8.625"	17.48"	9.8 lbs.
10" IPS	10.04"	7.64"	0.632"	10.750"	20.94"	14.9 lbs.
12" IPS	10.63"	7.80"	0.750"	12.750"	22.64"	22.1 lbs.

MOLDED 45° ELBOW

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	3.23"	2.64"	0.216"	2.375"	6.38"	0.4 lbs.
3" IPS	4.72"	3.86"	0.318"	3.500"	9.33"	1.2 lbs.
4" IPS	5.31"	4.21"	0.409"	4.500"	10.63"	2.1 lbs.
6" IPS	6.89"	5.35"	0.602"	6.625"	14.09"	6.1 lbs.
8" IPS	8.46"	6.54"	0.784"	8.625"	17.48"	12.6 lbs.
10" IPS	10.04"	7.64"	0.977"	10.750"	20.94"	21.3 lbs.
12" IPS	10.63"	7.80"	1.159"	12.750"	22.64"	31.4 lbs.

MOLDED 45° ELBOW

IPS - SDR 9 - 255 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	3.23"	2.64"	0.264"	2.375"	6.38"	0.4 lbs.
3" IPS	4.72"	3.86"	0.389"	3.500"	9.33"	1.4 lbs.
4" IPS	5.31"	4.21"	0.500"	4.500"	10.63"	2.6 lbs.
6" IPS	6.89"	5.35"	0.736"	6.625"	14.09"	7.2 lbs.
8" IPS	8.46"	6.54"	0.958"	8.625"	17.48"	14.7 lbs.

MOLDED 45° ELBOW

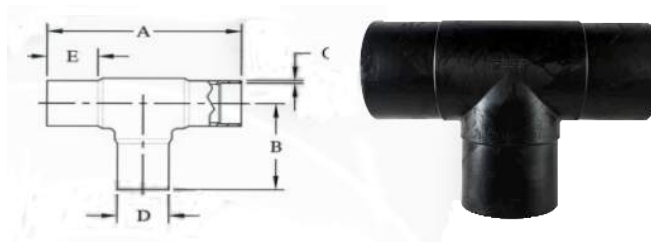
IPS - SDR 7 - 335 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT LBS.
2" IPS	3.23"	2.64"	0.339"	2.375"	6.38"	0.5 lbs.
3" IPS	4.72"	3.86"	0.500"	3.500"	9.33"	1.7 lbs.
4" IPS	5.31"	4.21"	0.643"	4.500"	10.63"	3.2 lbs.
6" IPS	6.89"	5.35"	0.946"	6.625"	14.09"	8.7 lbs.
8" IPS	8.46"	6.54"	1.232"	8.625"	17.48"	17.9 lbs.

MOLDED 45° ELBOW

DIPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT LBS.
4" DIPS	6.05"	4.10"	0.436"	4.800"	12.00"	3.2 lbs.
6" DIPS	7.16"	5.10"	0.627"	6.900"	14.56"	7.9 lbs.
8" DIPS	8.32"	5.20"	0.823"	9.050"	17.56"	17.4 lbs.



MOLDED EQUAL TEE

IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
3" IPS	11.81"	5.91"	0.206"	3.500"	3.54"	1.4 lbs.
4" IPS	13.78"	6.89"	0.264"	4.500"	3.94"	2.8 lbs.
6" IPS	18.11"	9.06"	0.390"	6.625"	4.72"	7.7 lbs.
8" IPS	23.62"	11.81"	0.507"	8.625"	5.71"	17.5 lbs.
10" IPS	27.56"	13.78"	0.632"	10.750"	6.30"	28.6 lbs.
12" IPS	31.57"	15.97"	0.750"	12.750"	7.52"	47.1 lbs.

MOLDED EQUAL TEE

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
¾" IPS	6.38"	3.19"	0.095"	1.050"	2.14"	0.1 lbs.
1" IPS	6.62"	3.31"	0.120"	1.315"	2.18"	0.3 lbs.
1 ¼" IPS	6.97"	3.48"	0.151"	1.660"	2.15"	0.4 lbs.
1 ½" IPS	7.84"	3.92"	0.173"	1.900"	2.37"	0.5 lbs.
2" IPS	8.66"	4.33"	0.216"	2.375"	2.48"	0.7 lbs.
3" IPS	11.81"	5.91"	0.318"	3.500"	3.54"	2.2 lbs.
4" IPS	13.78"	6.89"	0.409"	4.500"	3.94"	4.1 lbs.
6" IPS	18.11"	9.06"	0.602"	6.625"	4.72"	10.6 lbs.
8" IPS	23.62"	11.81"	0.784"	8.625"	5.71"	22.5 lbs.
10" IPS	27.56"	13.78"	0.977"	10.750"	6.30"	41.1 lbs.
12" IPS	31.57"	15.97"	1.159"	12.750"	7.52"	66.3 lbs.

MOLDED EQUAL TEE

IPS - SDR 9 - 255 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT LBS.
2" IPS	8.66"	4.33"	0.264"	2.375"	2.47"	0.8 lbs.
3" IPS	11.81"	5.91"	0.389"	3.500"	3.54"	2.2 lbs.
4" IPS	13.78"	6.89"	0.500"	4.500"	3.94"	4.5 lbs.
6" IPS	18.11"	9.06"	0.736"	6.625"	4.72"	11.9 lbs.
8" IPS	23.62"	11.81"	0.958"	8.625"	5.71"	25.1 lbs.

MOLDED EQUAL TEE

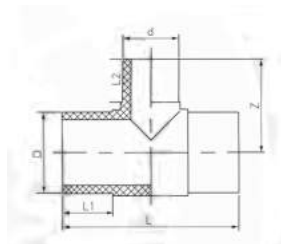
IPS - SDR 7 - 335 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT LBS.
2" IPS	8.66"	4.33"	0.339"	2.375"	2.47"	1.0 lbs.
3" IPS	11.81"	5.91"	0.500"	3.500"	3.54"	2.7 lbs.
4" IPS	13.78"	6.89"	0.643"	4.500"	3.94"	5.6 lbs.
6" IPS	18.11"	9.06"	0.946"	6.625"	4.72"	14.3 lbs.
8" IPS	23.62"	11.81"	1.232"	8.625"	5.71"	32.9 lbs.

MOLDED EQUAL TEE

DIPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
4" DIPS	15.63"	7.82"	0.436"	4.800"	4.10"	5.4 lbs.
6" DIPS	19.34"	9.67"	0.627"	6.900"	5.10"	13.2 lbs.
8" DIPS	23.15"	11.58"	0.823"	9.050"	5.20"	



MOLDED REDUCING TEE

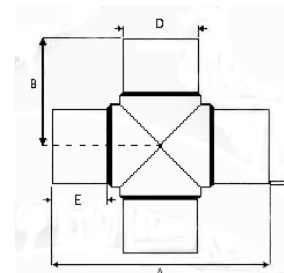
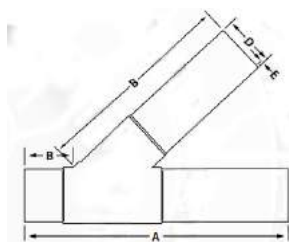
IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	L	D	D	L1	L2	Z	WEIGHT
3" x 2" IPS	11.80"	3.500"	2.375"	3.62"	2.48"	5.90"	1.5 lbs.
4" x 2" IPS	13.78"	4.500"	2.375"	3.94"	2.48"	6.89"	2.5 lbs.
4" x 3" IPS	13.78"	4.500"	3.500"	3.94"	3.62"	6.89"	2.7 lbs.
6" x 2" IPS	18.10"	6.625"	2.375"	4.72"	2.48"	9.06"	6.3 lbs.
6" x 3" IPS	18.10"	6.625"	3.500"	4.72"	3.62"	9.06"	6.6 lbs.
6" x 4" IPS	18.10"	6.625"	4.500"	4.72"	3.94"	9.06"	6.7 lbs.
8" x 2" IPS	23.60"	8.625"	2.375"	5.71"	2.48"	11.80"	16.8 lbs.
8" x 3" IPS	23.60"	8.625"	3.500"	5.71"	3.62"	11.80"	17.3 lbs.
8" x 4" IPS	23.60"	8.625"	4.500"	5.71"	3.94"	11.80"	17.9 lbs.
8" x 6" IPS	23.60"	8.625"	6.625"	5.71"	4.72"	11.80"	18.9 lbs.
10" x 4" IPS	27.40"	10.750"	4.500"	6.30"	3.94"	13.78"	32.0 lbs.
10" x 6" IPS	27.40"	10.750"	6.625"	6.30"	4.72"	13.78"	33.1 lbs.
10" x 8" IPS	27.40"	10.750"	8.625"	6.30"	5.71"	13.78"	34.6 lbs.
12" x 6" IPS	31.40"	12.750"	6.625"	7.48"	4.72"	15.95"	47.1 lbs.
12" x 8" IPS	31.40"	12.750"	8.625"	7.48"	5.71"	15.95"	48.9 lbs.
12" x 10" IPS	31.40"	12.750"	10.750"	7.48"	6.30"	15.95"	53.1 lbs.

MOLDED REDUCING TEE

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	L	D	D	L1	L2	Z	WEIGHT
3" x 2" IPS	11.80"	3.500"	2.375"	3.62"	2.48"	5.90"	1.8 lbs.
4" x 2" IPS	13.78"	4.500"	2.375"	3.94"	2.48"	6.89"	3.3 lbs.
4" x 3" IPS	13.78"	4.500"	3.500"	3.94"	3.62"	6.89"	3.6 lbs.
6" x 2" IPS	18.10"	6.625"	2.375"	4.72"	2.48"	9.06"	8.7 lbs.
6" x 3" IPS	18.10"	6.625"	3.500"	4.72"	3.62"	9.06"	8.9 lbs.
6" x 4" IPS	18.10"	6.625"	4.500"	4.72"	3.94"	9.06"	9.4 lbs.
8" x 2" IPS	23.60"	8.625"	2.375"	5.71"	2.48"	11.80"	21.3 lbs.
8" x 3" IPS	23.60"	8.625"	3.500"	5.71"	3.62"	11.80"	22.2 lbs.
8" x 4" IPS	23.60"	8.625"	4.500"	5.71"	3.94"	11.80"	23.3 lbs.
8" x 6" IPS	23.60"	8.625"	6.625"	5.71"	4.72"	11.80"	24.4 lbs.
10" x 4" IPS	27.40"	10.750"	4.500"	6.30"	3.94"	13.78"	42.4 lbs.
10" x 6" IPS	27.40"	10.750"	6.625"	6.30"	4.72"	13.78"	43.6 lbs.
10" x 8" IPS	27.40"	10.750"	8.625"	6.30"	5.71"	13.78"	46.0 lbs.
12" x 6" IPS	31.40"	12.750"	6.625"	7.48"	4.72"	15.95"	63.4 lbs.
12" x 8" IPS	31.40"	12.750"	8.625"	7.48"	5.71"	15.95"	66.9 lbs.
12" x 10" IPS	31.40"	12.750"	10.750"	7.48"	6.30"	15.95"	68.5 lbs.



MOLDED LATERAL WYE

IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	23.74"	5.28"	13.10"	2.375"	0.140"	2.0 lbs.
3" IPS	24.56"	5.90"	13.10"	3.500"	0.206"	4.2 lbs.
4" IPS	28.50"	5.70"	20.60"	4.500"	0.264"	7.9 lbs.
6" IPS	34.65"	5.30"	26.00"	6.625"	0.390"	26.3 lbs.
8" IPS	37.40"	5.70"	27.56"	8.625"	0.507"	44.9 lbs.

MOLDED LATERAL WYE

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	23.74"	5.28"	13.10"	2.375"	0.216"	2.6 lbs.
3" IPS	24.56"	5.90"	13.10"	3.500"	0.318"	5.3 lbs.
4" IPS	28.50"	5.70"	20.60"	4.500"	0.409"	10.6 lbs.
6" IPS	34.65"	5.30"	26.00"	6.625"	0.603"	32.0 lbs.
8" IPS	37.40"	5.70"	27.56"	8.625"	0.785"	54.8 lbs.

MOLDED CROSS SDR 17

IPS - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	8.96"	4.45"	0.140"	2.375"	2.64"	1.1 lbs.
3" IPS	11.81"	5.90"	0.206"	3.500"	3.54"	2.1 lbs.
4" IPS	13.98"	6.89"	0.264"	4.500"	3.94"	4.2 lbs.

MOLDED CROSS SDR 11

IPS - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	8.96"	4.45"	0.216"	2.375"	2.64"	1.3 lbs.
3" IPS	11.81"	5.90"	0.318"	3.500"	3.54"	3.3 lbs.
4" IPS	13.98"	6.89"	0.409"	4.500"	3.94"	6.2 lbs.

MOLDED CROSS SDR 9

IPS - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	WEIGHT
2" IPS	8.96"	4.45"	0.264"	2.375"	2.64"	1.5 lbs.
3" IPS	11.81"	5.90"	0.389"	3.500"	3.54"	3.6 lbs.
4" IPS	13.98"	6.89"	0.500"	4.500"	3.94"	7.1 lbs.

MOLDED REDUCER

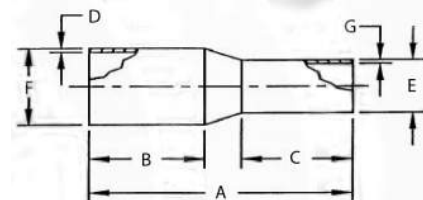
IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
3" x 2" IPS	7.87"	3.94"	2.95"	0.206"	2.375"	3.500"	0.140"	0.5 lbs.
4" x 2" IPS	9.06"	4.33"	2.95"	0.265"	2.375"	4.500"	0.140"	0.8 lbs.
4" x 3" IPS	9.06"	4.33"	3.94"	0.264"	3.500"	4.500"	0.206"	0.9 lbs.
6" x 3" IPS	11.03"	5.06"	3.71"	0.390"	3.500"	6.625"	0.206"	2.1 lbs.
6" x 4" IPS	11.42"	5.12"	4.33"	0.390"	4.500"	6.625"	0.264"	2.4 lbs.
8" x 4" IPS	12.80"	5.99"	4.05"	0.507"	4.500"	8.625"	0.264"	4.2 lbs.
8" x 6" IPS	12.80"	6.10"	5.12"	0.507"	6.625"	8.625"	0.390"	4.9 lbs.
10" x 6" IPS	14.06"	6.16"	5.29"	0.632"	6.625"	10.750"	0.390"	7.7 lbs.
10" x 8" IPS	14.37"	6.25"	5.81"	0.632"	8.625"	10.750"	0.507"	10.2 lbs.
12" x 6" IPS	16.00"	6.95"	5.22"	0.750"	6.625"	12.750"	0.390"	11.3 lbs.
12" x 8" IPS	16.54"	7.09"	6.10"	0.750"	8.625"	12.750"	0.507"	12.8 lbs.
12" x 10" IPS	16.54"	7.09"	6.69"	0.750"	10.750"	12.750"	0.632"	14.4 lbs.

MOLDED REDUCER

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
1" x ¾" IPS	4.58"	2.17"	2.17"	0.120"	1.050"	1.315"	0.095"	0.1 lbs.
1 ¼" x 1" IPS	4.66"	2.20"	2.15"	0.151"	1.315"	1.660"	0.120"	0.1 lbs.
1 ½" x 1" IPS	5.12"	2.44"	2.16"	0.173"	1.315"	1.900"	0.120"	0.2 lbs.
1 ½" x 1 ¼" IPS	4.83"	2.44"	2.17"	0.173"	1.660"	1.900"	0.151"	0.2 lbs.
2" x 1" IPS	5.62"	2.53"	2.13"	0.216"	1.315"	2.375"	0.120"	0.2 lbs.
2" x 1 ¼" IPS	5.34"	2.53"	2.15"	0.216"	1.660"	2.375"	0.151"	0.3 lbs.
2" x 1 ½" IPS	5.40"	2.53"	2.42"	0.216"	1.900"	2.375"	0.173"	0.3 lbs.
3" x 2" IPS	7.87"	3.94"	2.95"	0.318"	2.375"	3.500"	0.216"	0.7 lbs.
4" x 2" IPS	9.06"	4.33"	2.95"	0.409"	2.375"	4.500"	0.216"	1.2 lbs.
4" x 3" IPS	9.06"	4.33"	3.94"	0.409"	3.500"	4.500"	0.318"	1.4 lbs.
6" x 3" IPS	11.03"	5.06"	3.71"	0.602"	3.500"	6.625"	0.318"	3.2 lbs.
6" x 4" IPS	11.42"	5.12"	4.33"	0.602"	4.500"	6.625"	0.409"	3.5 lbs.
8" x 4" IPS	12.80"	5.99"	4.05"	0.784"	4.500"	8.625"	0.409"	6.3 lbs.
8" x 6" IPS	12.80"	6.10"	5.12"	0.784"	6.625"	8.625"	0.602"	7.3 lbs.
10" x 6" IPS	14.06"	6.16"	5.29"	0.977"	6.625"	10.750"	0.602"	10.3 lbs.
10" x 8" IPS	14.37"	6.25"	5.88"	0.977"	8.625"	10.750"	0.7984"	14.5 lbs.
12" x 6" IPS	16.00"	6.95"	5.22"	1.159"	6.625"	12.750"	0.602"	16.6 lbs.
12" x 8" IPS	16.54"	7.09"	6.10"	1.159"	8.625"	12.750"	0.784"	19.1 lbs.
12" x 10" IPS	16.54"	7.09"	6.69"	1.159"	10.750"	12.750"	0.977"	21.7 lbs.



MOLDED REDUCER

IPS - SDR 9 - 255 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
3" x 2" IPS	7.87"	3.94"	2.95"	0.389"	2.375"	3.500"	0.264"	0.7 lbs.
4" x 2" IPS	9.06"	4.33"	2.95"	0.500"	2.375"	4.500"	0.264"	1.2 lbs.
4" x 3" IPS	9.06"	4.33"	3.94"	0.500"	3.500"	4.500"	0.389"	1.4 lbs.
6" x 4" IPS	11.42"	5.12"	4.33"	0.736"	4.500"	6.625"	0.500"	3.5 lbs.
8" x 6" IPS	12.80"	6.10"	5.12"	0.958"	6.625"	8.625"	0.736"	7.3 lbs.

MOLDED REDUCER

DIPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
6" x 4" DIPS	11.41"	5.10"	4.33"	0.627"	4.800"	6.900"	0.436"	4.1 lbs.
8" x 6" DIPS	12.79"	6.10"	5.12"	0.823"	6.900"	9.050"	0.627"	7.8 lbs.

MOLDED REDUCER

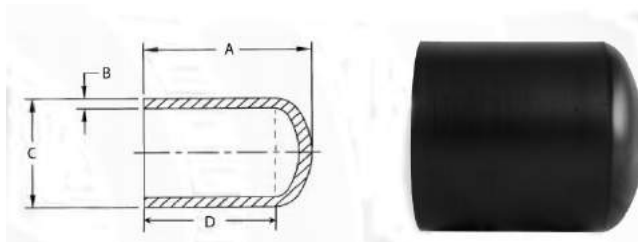
IPS - SDR 7 - 335 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
3" x 2" IPS	7.87"	3.94"	2.95"	0.500"	2.375"	3.500"	0.339"	1.6 lbs.
4" x 2" IPS	9.06"	4.33"	2.95"	0.643"	2.375"	4.500"	0.339"	3.0 lbs.
4" x 3" IPS	9.06"	4.33"	3.94"	0.643"	3.500"	4.500"	0.500"	3.3 lbs.
6" x 4" IPS	11.42"	5.12"	4.33"	0.946"	4.500"	6.625"	0.643"	5.2 lbs.
8" x 6" IPS	12.80"	6.10"	5.12"	1.232"	6.625"	8.625"	0.946"	8.4 lbs.

MOLDED REDUCER

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	E	F	G	WEIGHT
6" x 4" DIPS	11.41"	5.10"	4.33"	0.627"	4.800"	6.900"	0.436"	4.1 lbs.
8" x 6" DIPS	12.79"	6.10"	5.12"	0.823"	6.900"	9.050"	0.627"	7.8 lbs.

**MOLDED CAP**

IPS - SDR 17 - 125 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	WEIGHT
2" IPS	3.23"	0.140"	2.375"	2.52"	0.1 lbs.
3" IPS	4.72"	0.206"	3.500"	3.70"	0.4 lbs.
4" IPS	5.31"	0.264"	4.500"	3.98"	0.7 lbs.
6" IPS	6.89"	0.390"	6.625"	4.84"	2.0 lbs.
8" IPS	8.66"	0.507"	8.625"	5.83"	4.2 lbs.
10" IPS	9.84"	0.633"	10.750"	6.30"	7.5 lbs.
12" IPS	11.77"	0.750"	12.750"	7.52"	12.4 lbs.

MOLDED CAP

IPS - SDR 11 - 200 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	WEIGHT
¾" IPS	2.55"	0.095"	1.050"	2.18"	0.1 lbs.
1" IPS	2.64"	0.120"	1.315"	2.18"	0.1 lbs.
1 ¼" IPS	2.77"	0.151"	1.660"	2.18"	0.1 lbs.
1 ½" IPS	3.10"	0.173"	1.900"	2.42"	0.5 lbs.
2" IPS	3.23"	0.216"	2.375"	2.52"	0.8 lbs.
3" IPS	4.72"	0.318"	3.500"	3.70"	0.9 lbs.
4" IPS	5.31"	0.409"	4.500"	3.98"	1.1 lbs.
6" IPS	6.89"	0.603"	6.625"	4.84"	2.9 lbs.
8" IPS	8.66"	0.785"	8.625"	5.83"	6.3 lbs.
10" IPS	9.84"	0.978"	10.750"	6.30"	10.9 lbs.
12" IPS	11.77"	1.160"	12.750"	7.52"	18.4 lbs.

MOLDED CAP

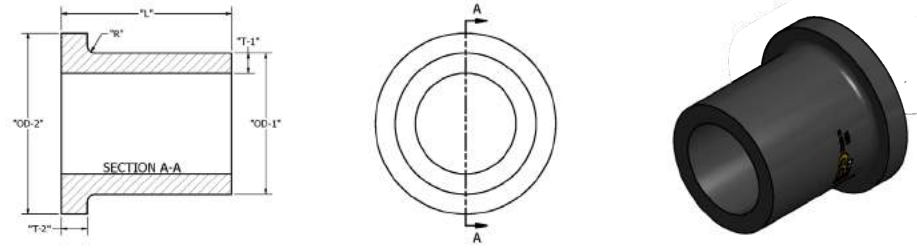
IPS - SDR 9 - 255 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	WEIGHT LBS.
2" IPS	3.23"	0.264"	2.375"	2.52"	0.3 lbs.
3" IPS	4.72"	0.389"	3.500"	3.70"	0.8 lbs.
4" IPS	5.31"	0.500"	4.500"	3.98"	2.4 lbs.
6" IPS	6.89"	0.736"	6.625"	4.84"	2.8 lbs.
8" IPS	8.66"	0.958"	8.625"	5.83"	5.6 lbs.

MOLDED CAP

IPS - SDR 7 - 335 PSI (Working Pressure at 73.4° F)

NOMINAL SIZE	A	B	C	D	WEIGHT
2" IPS	3.23"	0.339"	2.375"	2.52"	0.3 lbs.
3" IPS	4.72"	0.500"	3.500"	3.70"	1.0 lbs.
4" IPS	5.31"	0.643"	4.500"	3.98"	2.4 lbs.
6" IPS	6.89"	0.946"	6.625"	4.84"	2.8 lbs.
8" IPS	8.66"	1.232"	8.625"	5.83"	5.6 lbs.



Material: HDPE - PE4710/3608/100

SIZE	Minimum Wall Thickness and Maximum Hub Height (2"-63")																			
	SDR's																			
	7		9		11		13.5		15.5		17		19		21		26		32.5	
	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2	T-1	T-2
2	0.34	0.50	0.26	0.50	0.22	0.45	0.18	0.45	0.15	0.45	0.14	0.45	0.13	0.45	0.11	0.45	0.09	0.45	0.07	0.45
3	0.50	0.70	0.39	0.70	0.32	0.67	0.26	0.67	0.23	0.67	0.21	0.67	0.18	0.67	0.17	0.67	0.14	0.67	0.11	0.67
4	0.64	1.12	0.50	1.12	0.41	0.90	0.33	0.90	0.29	0.90	0.27	0.90	0.24	0.90	0.21	0.90	0.17	0.90	0.14	0.90
6	0.95	1.34	0.74	1.34	0.60	0.90	0.49	0.90	0.43	0.90	0.39	0.90	0.35	0.90	0.32	0.90	0.26	0.90	0.20	0.90
8	1.23	1.82	0.96	1.82	0.78	1.12	0.64	1.12	0.56	1.12	0.51	1.12	0.45	1.12	0.41	1.12	0.33	1.12	0.27	1.12
10	1.54	2.24	1.19	1.68	0.98	1.46	0.80	1.46	0.69	1.46	0.63	1.43	0.57	1.01	0.51	1.01	0.41	1.01	0.33	1.01
12	1.82	2.55	1.42	2.10	1.16	1.73	0.94	1.73	0.82	1.73	0.75	1.73	0.67	1.12	0.61	1.12	0.49	1.12	0.39	1.12
14	2.00	2.85	1.56	2.24	1.27	1.91	1.04	1.91	0.90	1.91	0.82	1.82	0.74	1.23	0.67	1.23	0.54	1.23	0.43	1.23
16	2.29	3.25	1.78	2.50	1.46	2.13	1.19	2.13	1.03	2.13	0.94	2.13	0.84	1.35	0.76	1.35	0.62	1.35	0.49	1.35
18	2.57	4.11	2.00	2.75	1.64	2.35	1.33	2.35	1.16	2.35	1.06	2.24	0.95	1.40	0.86	1.40	0.69	1.40	0.55	1.40
20	2.86	3.88	2.22	3.74	1.82	2.55	1.48	2.55	1.29	2.55	1.18	2.52	1.05	1.56	0.95	1.56	0.77	1.56	0.62	1.56
22	3.14	4.19	2.44	4.17	2.00	2.75	1.63	2.75	1.42	2.75	1.29	2.75	1.16	1.70	1.05	1.70	0.85	1.70	0.68	1.70
24	3.43	4.61	2.67	4.61	2.18	3.15	1.78	3.15	1.55	3.15	1.41	3.00	1.26	1.87	1.14	1.87	0.92	1.87	0.74	1.87
26	3.71	4.89	2.89	4.89	2.36	3.21	1.93	3.21	1.68	3.21	1.53	3.21	1.37	1.92	1.24	1.92	1.00	1.92	0.80	1.92
28	4.00	5.25	3.11	5.25	2.55	3.43	2.07	3.43	1.81	3.43	1.65	3.43	1.47	2.06	1.33	2.06	1.08	2.06	0.86	2.06
30	4.29	5.61	3.33	5.61	2.73	3.66	2.22	3.66	1.94	3.66	1.77	3.66	1.58	2.21	1.43	2.21	1.15	2.21	0.92	2.21
32			3.56	5.96	2.91	3.89	2.39	3.89	2.07	3.89	1.88	3.89	1.68	2.36	1.52	2.36	1.23	2.36	0.99	2.36
34			3.78	6.32	3.09	4.11	2.52	4.11	2.19	4.11	2.00	4.11	1.79	2.49	1.62	2.49	1.31	2.49	1.05	2.49
36			4.00	6.68	3.27	4.34	2.67	4.34	2.32	4.34	2.12	4.34	1.90	2.62	1.71	2.62	1.39	2.62	1.11	2.62
42					3.82	5.02	3.11	5.02	2.71	5.02	2.47	5.02	2.21	3.01	2.00	3.01	1.62	3.01	1.29	3.01
48					4.36	5.75	3.56	5.71	3.10	5.71	2.82	5.71	2.53	3.41	2.29	3.41	1.85	3.41	1.48	3.41
54											3.18	6.39	2.84	3.80	2.57	3.80	2.08	3.80	1.66	3.80
63											3.71	7.41	3.32	4.40	3.00	4.40	2.42	4.40	1.94	4.40

Flange Adapter Dimensions					
Size	Type	OD-1	OD-2	L	R
2	IPS	2.38	4.00	6.00	0.25
3	IPS	3.50	5.00	6.00	0.25
4	IPS	4.50	6.60	6.80	0.38
6	IPS	6.63	8.50	8.00	0.38
8	IPS	8.63	10.60	9.00	0.38
10	IPS	10.75	12.80	10.75	0.38
12	IPS	12.75	15.25	11.00	0.38
14	IPS	14.00	17.50	11.00	0.50
16	IPS	16.00	20.00	12.00	0.50
18	IPS	18.00	21.10	12.00	0.50
20	IPS	20.00	23.50	12.00	0.50
22	IPS	22.00	25.60	12.00	0.50
24	IPS	24.00	27.90	14.00	0.50
26	IPS	26.00	29.75	14.00	0.50
28	IPS	28.00	32.00	14.00	0.50
30	IPS	30.00	34.00	14.00	0.50
32	IPS	32.00	36.13	14.00	0.50
34	IPS	34.00	38.13	14.00	0.50
36	IPS	36.00	40.50	14.00	0.50
42	IPS	42.00	47.13	21.00	0.50
48	IPS	48.00	53.50	21.00	0.50
54	IPS	54.00	59.63	21.00	0.50
63	IPS	63.00	66.79	21.00	0.50

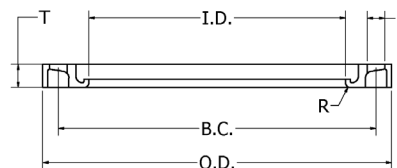
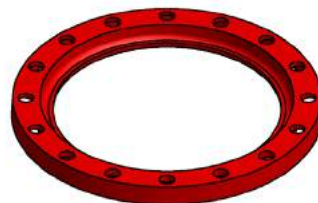
*SDR7 20" OAL- 12.750", SDR7 22" OAL- 13.000", SDR9 36" OAL-16.500"

WALL THICKNESS AND HUB HEIGHT																				
SIZE	SDR's																			
	7		9		11		13.5		15.5		17		19		21		26		32.5	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
18	2.286	3.482	2.167	3.482	1.773	2.216	1.445	2.216	1.258	2.216	1.147	2.216	1.026	1.283	0.929	1.283	0.750	1.283	0.600	1.283
20	3.086	3.857	2.400	3.857	1.964	2.455	1.600	2.455	1.394	2.455	1.271	2.455	1.137	1.421	1.029	1.421	0.831	1.421	0.665	1.421
24	3.686	4.607	2.867	4.607	2.345	2.932	1.912	2.932	1.665	2.932	1.518	2.932	1.358	1.697	1.229	1.697	0.992	1.697	0.794	1.697
30	4.571	5.714	3.556	5.714	2.909	3.636	2.371	3.636	2.065	3.636	1.883	3.636	1.684	2.105	1.524	2.105	1.231	2.105	0.985	2.105
36	5.471	6.839	4.256	6.839	3.482	4.352	2.837	4.352	2.471	4.352	2.253	4.352	2.016	2.520	1.824	2.520	1.473	2.520	1.178	2.520
42	6.357	7.946	4.945	7.946	4.046	5.057	3.297	5.057	2.871	5.057	2.618	5.057	2.342	2.928	2.119	2.928	1.712	2.928	1.369	2.928
48	7.257	9.071	5.645	9.071	4.619	5.773	3.763	5.773	3.277	5.773	2.989	5.773	2.674	3.342	2.419	3.342	1.954	3.342	1.563	3.342

DIMENSIONS				
SIZE	TYPE	OD-1	OD-2	L
18	DIPS	19.500	21.100	12
20	DIPS	21.600	23.500	12
24	DIPS	25.800	27.900	14
30	DIPS	32.000	34.000	14
36*	DIPS	38.300	40.500	14
42	DIPS	44.500	47.125	21
48	DIPS	50.800	53.500	21

* FOR SDR9 ONLY:
L = 16.500"
OD-2 = 41.125

Material: Ductile Iron, ASTM A536, 65/45/12



IPS

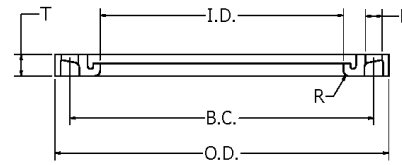
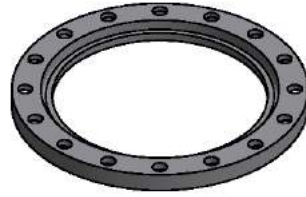
Dimensions											
Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt Hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Pressure Class (PC)	FM Approved
1/2"	7	3.500	0.500	0.900	4	0.625	2.380	0.130	1.0	335	N/A
3/4"	7	3.880	0.500	1.110	4	0.625	2.750	0.130	1.0	335	N/A
1"	7	4.250	0.560	1.380	4	0.625	3.130	0.130	1.0	335	N/A
1 1/4"	7	4.630	0.630	1.720	4	0.625	3.500	0.190	1.4	335	N/A
1 1/2"	7	5.000	0.690	1.970	4	0.625	3.880	0.250	1.7	335	N/A
2"	7	6.000	0.750	2.460	4	0.750	4.750	0.310	2.3	335	FM(200psi)
2"	11	6.000	0.500	2.630	4	0.750	4.750	0.200	1.5	200	FM(160psi)
2 1/2"	7	7.000	0.880	2.970	4	0.750	5.500	0.310	4.0	335	FM(200psi)
3"	7	7.500	0.940	3.600	4	0.750	6.000	0.400	4.2	335	FM(200psi)
3"	11	7.500	0.530	3.750	4	0.750	6.000	0.280	2.5	200	FM(160psi)
4"	7	9.000	0.940	4.600	8	0.750	7.500	0.400	5.0	335	FM(200psi)
4"	11	9.000	0.550	4.750	8	0.750	7.500	0.280	3.5	200	FM(160psi)
5"	7	10.000	0.940	5.690	8	0.875	8.500	0.440	6.0	335	FM(200psi)
6"	7	11.000	1.000	6.750	8	0.875	9.500	0.400	7.1	335	FM(200psi)
6"	11	11.000	0.630	6.880	8	0.875	9.500	0.280	4.5	200	FM(160psi)
8"	7	13.500	1.120	8.750	8	0.875	11.750	0.400	10.6	335	FM(200psi)
8"	11	13.500	0.850	8.880	8	0.875	11.750	0.280	8.0	200	FM(160psi)
10"	7	16.000	1.190	10.920	12	1.000	14.250	0.400	15.7	335	FM(200psi)
10"	11	16.000	0.980	11.000	12	1.000	14.250	0.310	12.0	200	FM(160psi)
12"	7	19.000	1.500	12.920	12	1.000	17.000	0.400	24.0	335	FM(200psi)
12"	11	19.000	1.250	13.130	12	1.000	17.000	0.280	20.0	200	FM(160psi)
14"	7	21.000	1.630	14.180	12	1.125	18.750	0.400	35.7	335	FM(200psi)
14"	11	21.000	1.380	14.380	12	1.125	18.750	0.310	30.0	200	FM(160psi)
16"	7	23.500	1.880	16.190	16	1.125	21.250	0.400	53.6	335	FM(200psi)
16"	11	23.500	1.650	16.380	16	1.125	21.250	0.350	40.0	200	FM(160psi)
18"	7	25.000	1.900	18.200	16	1.250	22.750	0.400	49.8	335	FM(200psi)
18"	11	25.000	1.670	18.380	16	1.250	22.750	0.350	41.0	200	FM(160psi)
20"	7	27.500	2.125	20.375	20	1.250	25.000	0.310	61.2	335	FM(200psi)
20"	11	27.500	1.810	20.380	20	1.250	25.000	0.400	53.0	200	FM(160psi)
22"	7	29.500	2.300	22.375	20	1.375	27.250	0.310	78.5	335	FM(200psi)
22"	11	29.500	2.000	22.380	20	1.380	27.500	0.370	65.0	200	FM(160psi)

DIPS

Dimensions											
Pipe Diameter (in)	O.D.	T	I.D.	Y	Bolt Count	Bolt Hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	HDPE Operating Pressure	Steel Operating Pressure
4"	9.000	0.940	4.900	0.270	8	0.750	7.500	0.440	5.1	267	267
6"	11.000	1.000	7.000	0.280	8	0.880	9.500	0.500	7.0	267	267
8"	13.500	1.120	9.130	0.300	8	0.880	11.750	0.500	10.5	267	267
10"	16.000	1.190	11.250	0.600	12	1.000	14.250	0.500	15.3	267	267
12"	19.000	1.500	13.370	0.630	12	1.000	17.000	0.500	24.4	267	267
14"	21.000	1.630	15.480	0.700	12	1.130	18.750	0.500	36.1	200	267
16"	23.500	1.880	17.590	0.700	16	1.130	21.250	0.500	48.3	200	267
18"	25.000	1.750	19.700	0.880	16	1.250	22.750	0.500	47.9	200	267
20"	27.500	2.060	21.850	0.480	20	1.250	25.000	0.500	60.7	200	267
24"	32.000	2.130	26.050	0.600	20	1.380	29.500	0.500	90.4	200	267

IPS

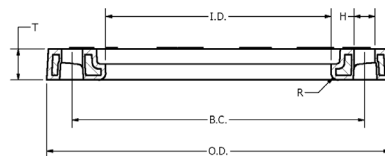
Dimensions											
Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt Hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Pressure Class (PC)	FM APPROVED
24"	7	32.000	2.500	24.375	20	1.375	29.500	0.310	103.2	335	FM(200psi)
24"	9	32.000	2.130	24.375	20	1.375	29.500	0.310	91.0	250	FM(200psi)
24"	11	32.000	2.170	24.375	20	1.375	29.500	0.400	73.0	200	FM(160psi)
24"	17	32.000	1.950	24.375	20	1.375	29.500	0.400	58.9	125	N/A
26"	7	34.250	2.530	26.380	24	1.375	31.750	0.310	113.8	335	FM(200psi)
26"	11	34.250	2.380	26.380	24	1.375	31.750	0.310	106.0	200	FM(160psi)
26"	17	34.250	2.000	26.380	24	1.375	31.750	0.250	80.4	125	N/A
28"	9	36.500	2.600	28.380	28	1.375	34.000	0.310	123.6	250	N/A
28"	11	36.500	2.500	28.380	28	1.375	34.000	0.310	116.0	200	FM(160psi)
28"	17	36.500	2.300	28.380	28	1.375	34.000	0.500	103.7	125	N/A
30"	9	38.750	2.800	30.380	28	1.375	36.000	0.310	142.0	250	N/A
30"	11	38.750	2.600	30.380	28	1.375	36.000	0.310	123.0	200	FM(160psi)
30"	17	38.750	2.280	30.380	28	1.375	36.000	0.310	112.6	125	N/A
30"	26	38.750	2.060	30.380	28	1.375	36.000	0.250	105.6	80	N/A
32"	9	41.750	3.000	32.380	28	1.630	38.500	0.310	174.3	250	N/A
32"	11	41.750	2.750	32.380	28	1.630	38.500	0.320	156.0	200	FM(160psi)
32"	26	41.750	2.120	32.380	28	1.630	38.500	0.500	138.0	80	N/A
34"	11	43.750	2.930	34.380	32	1.630	40.500	0.310	197.0	200	FM(160psi)
34"	26	43.750	2.140	34.380	32	1.630	40.500	0.310	136.7	80	N/A
34"	17	43.750	2.440	34.380	32	1.630	40.500	0.310	188.0	125	N/A
36"	9	46.000	3.800	36.380	32	1.630	42.750	0.310	323.0	250	N/A
36"	11	46.000	3.030	36.380	32	1.630	42.750	0.310	214.0	200	FM(160psi)
36"	17	46.000	2.750	36.380	32	1.630	42.750	0.310	170.3	125	N/A
36"	26	46.000	2.500	36.380	32	1.630	42.750	0.310	160.5	80	N/A
40"	11	50.750	4.060	40.500	36	1.630	47.250	0.320	480.0	200	N/A
42"	11	53.000	4.060	42.380	36	1.630	49.500	0.310	445.4	200	N/A
42"	13.5	53.000	3.660	42.380	36	1.630	49.500	0.310	430.0	160	N/A
42"	21	53.000	3.000	42.380	36	1.630	49.500	0.310	297.0	100	N/A
42"	39	53.000	2.260	42.380	36	1.630	49.500	0.310	253.0	50	N/A
48"	11	59.500	4.530	48.500	44	1.630	56.000	0.250	620.2	200	N/A
48"	17	59.500	3.940	48.500	44	1.630	56.000	0.250	497.4	125	N/A
48"	26	59.500	3.500	48.500	44	1.630	56.000	0.250	332.5	80	N/A
48"	51	59.500	2.400	48.500	44	1.630	56.000	0.250	234.0	40	N/A
54"	17	66.250	4.000	54.620	44	1.880	62.750	0.190	674.0	125	N/A
54"	19	66.250	4.330	54.620	44	1.880	62.750	0.190	694.0	110	N/A
54"	26	66.250	3.750	54.620	44	1.880	62.750	0.190	453.8	80	N/A
54"	51	66.250	2.570	54.620	44	1.880	62.750	0.190	375.0	40	N/A
63/60"	26	73.000	2.800	64.000	52	1.880	69.250	0.200	349.9	80	N/A
63/60"	17	73.000	3.150	64.000	52	1.880	69.250	0.200	413.0	125	N/A



Material: Stainless Steel ASTM A351CF8M (316), CF8 (304)

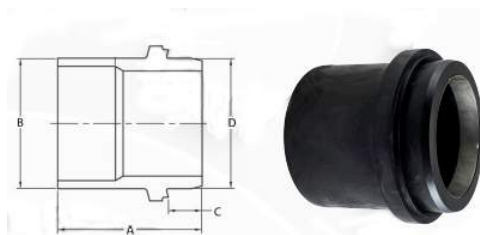
Dimensions											
Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt Hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Pressure Class (PC)	FM APPROVED
1"	7	4.250	0.560	1.380	4	0.630	3.130	0.125	1.1	335	N/A
1 1/2"	7	5.000	0.690	1.970	4	0.630	3.880	0.200	1.7	335	N/A
2"	7	6.000	0.750	2.460	4	0.750	4.750	0.270	2.6	335	FM(200psi)
2"	11	6.000	0.400	2.460	4	0.750	4.750	0.270	1.7	200	N/A
3"	7	7.500	0.940	3.600	4	0.750	6.000	0.330	4.5	335	FM(200psi)
3"	13.5	7.500	0.400	3.600	4	0.750	6.000	0.330	2.5	160	N/A
4"	7	9.000	0.940	4.600	8	0.750	7.500	0.390	5.8	335	FM(200psi)
4"	13.5	9.000	0.500	4.600	8	0.750	7.500	0.390	3.6	160	N/A
6"	7	11.000	1.000	6.750	8	0.880	9.500	0.440	8.4	335	FM(200psi)
6"	13.5	11.000	0.600	6.750	8	0.880	9.500	0.440	5.6	160	N/A
8"	7	13.500	1.120	8.750	8	0.880	11.750	0.440	12.0	335	FM(200psi)
8"	13.5	13.500	0.700	8.750	8	0.880	11.750	0.440	8.2	160	N/A
10"	7	16.000	1.340	10.920	12	1.000	14.250	0.430	20.0	335	FM(200psi)
10"	13.5	16.000	0.900	10.920	12	1.000	14.250	0.420	11.1	160	N/A
12"	7	19.000	1.770	12.920	12	1.000	17.000	0.500	35.3	335	FM(200psi)
12"	11	19.000	1.250	12.920	12	1.000	17.000	0.420	24.0	200	FM(160psi)
12"	13.5	19.000	1.050	12.920	12	1.000	17.000	0.420	19.6	160	N/A
14"	7	21.000	1.890	14.180	12	1.130	18.750	0.430	44.9	335	FM(200psi)
14"	11	21.000	1.610	14.180	12	1.130	18.750	0.430	40.1	200	N/A
14"	17	21.000	1.130	14.180	12	1.130	18.750	0.410	24.4	125	N/A
16"	7	23.500	1.970	16.190	16	1.130	21.250	0.400	60.6	335	FM(200psi)
16"	11	23.500	1.890	16.190	16	1.130	21.250	0.430	54.2	200	N/A
16"	13.5	23.500	1.440	16.190	16	1.130	21.250	0.500	52.0	160	N/A
16"	17	23.500	1.250	16.190	16	1.130	21.250	0.410	29.9	125	N/A
18"	7	25.000	2.170	18.200	16	1.250	22.750	0.430	67.0	335	FM(200psi)
18"	11	25.000	1.560	18.200	16	1.250	22.750	0.500	59.5	200	FM(160psi)
18"	21	25.000	1.340	18.200	16	1.250	22.750	0.400	33.0	100	N/A
20"	7	27.500	2.320	20.250	20	1.250	25.000	0.430	90.0	335	FM(200psi)
20"	11	27.500	2.150	20.250	20	1.250	25.000	0.430	76.0	200	N/A
20"	21	27.500	1.470	20.250	20	1.250	25.000	0.375	39.0	100	N/A
22"	7	29.500	2.480	22.250	20	1.380	27.250	0.430	106.0	335	FM(200psi)
22"	11	29.500	2.250	22.250	20	1.380	27.250	0.430	88.0	200	N/A
22"	21	29.500	1.540	22.250	20	1.380	27.250	0.375	50.0	100	N/A

Dimensions											
Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt Hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Pressure Class (PC)	FM APPROVED
24"	7	31.730	2.720	24.250	20	1.375	29.500	0.430	126.3	335	FM(200psi)
24"	11	32.000	2.500	24.250	20	1.375	29.500	0.430	107.8	200	N/A
24"	26	32.000	1.600	24.250	20	1.375	29.500	0.380	84.2	80	N/A
26"	11	34.250	2.500	26.380	24	1.375	31.750	0.500	119.0	200	N/A
26"	21	34.250	2.200	26.380	24	1.375	31.750	0.310	96.0	100	N/A
28"	7	36.500	4.030	28.380	28	1.375	34.000	0.310	193.0	335	N/A
28"	11	36.500	2.680	28.380	28	1.375	34.000	0.500	134.0	200	N/A
28"	21	36.500	2.300	28.380	28	1.375	34.000	0.310	109.0	100	N/A
30"	7	38.750	4.020	30.380	28	1.375	36.000	0.310	213.0	335	FM(200psi)
30"	13.5	38.750	2.750	30.380	28	1.375	36.000	0.500	174.0	160	N/A
30"	26	38.750	2.180	30.380	28	1.375	36.000	0.310	121.0	80	N/A
32"	11	41.750	3.350	32.380	28	1.625	38.500	0.320	282.2	200	N/A
32"	26	41.750	2.360	32.380	28	1.625	38.500	0.310	145.0	80	N/A
34"	11	43.750	3.250	34.380	32	1.625	40.500	0.320	305.0	200	N/A
34"	17	43.750	2.950	34.380	32	1.625	40.500	0.500	209.0	125	N/A
36"	11	46.000	3.800	36.380	32	1.625	42.750	0.510	355.0	200	N/A
36"	17	46.000	3.000	36.380	32	1.625	42.750	0.500	230.0	125	N/A
36"	32.5	46.000	2.350	36.380	32	1.625	42.750	0.310	167.0	65	N/A
40"	19	50.750	3.450	39.750	36	1.625	47.250	0.500	342.0	110	N/A
42"	11	53.000	5.510	42.380	36	1.625	49.500	0.320	630.0	200	N/A
42"	21	53.000	3.250	42.380	36	1.625	49.500	0.500	330.0	100	N/A
42"	39	53.000	2.480	42.380	36	1.625	49.500	0.310	223.0	50	N/A
48"	11	59.500	5.600	48.500	44	1.625	56.000	0.520	805.0	200	N/A
48"	26	59.500	3.500	48.500	44	1.625	56.000	0.500	405.0	80	N/A
48"	51	59.500	2.450	48.500	44	1.625	56.000	0.250	291.0	40	N/A
54"	26	66.250	3.860	54.620	44	1.880	62.750	0.500	733.3	80	N/A
54"	51	66.250	3.030	54.620	44	1.875	62.750	0.190	490.7	40	N/A
63"	21	73.000	4.100	64.020	52	1.875	69.250	0.320	600.0	100	N/A



**MATERIAL: GLASS REINFORCED POLYPROYLENE
WITH IPP DELTAFLEX DUCTILE IRON INSERT**

Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Operating Pressure (psi)
2"	7	6.460	0.710	2.630	4	0.750	4.750	0.280	1.8	335
2"	13.5	6.500	0.710	2.460	4	0.750	4.750	0.280	1.5	160
3"	7	7.720	0.730	3.750	4	0.750	6.000	0.280	2.4	335
3"	13.5	7.800	0.710	3.600	4	0.750	6.000	0.350	2	160
4"	7	9.330	0.980	4.750	8	0.750	7.500	0.350	4.2	335
4"	13.5	9.210	0.710	4.600	8	0.750	7.500	0.350	2.5	160
6"	7	11.690	1.180	7.090	8	0.870	9.500	0.350	7.1	335
6"	13.5	11.570	0.790	6.750	8	0.870	9.500	0.350	4	160
8"	7	13.940	1.340	8.880	8	0.870	11.750	0.350	11.6	335
8"	13.5	13.860	1.100	8.750	8	0.870	11.750	0.350	7.5	160
10"	7	16.730	1.520	11.000	12	1.000	14.250	0.350	16	335
10"	13.5	16.610	1.220	10.920	12	1.020	14.250	0.350	10.5	160
12"	7	19.570	2.010	13.190	12	1.000	17.000	0.350	28.2	335
12"	13.5	19.370	1.610	12.920	12	1.020	17.000	0.350	17.5	160
14"	7	21.340	2.050	14.380	12	1.140	18.750	0.350	35.7	335
14"	13.5	21.260	1.610	14.380	12	1.140	18.750	0.350	23	160
16"	7	23.900	2.440	16.380	16	1.140	21.250	0.350	66.4	335
16"	13.5	23.820	1.750	16.190	16	1.140	21.250	0.350	30	160
18"	7	25.510	2.440	18.380	16	1.250	22.750	0.350	60.6	335
18"	13.5	25.510	1.910	18.380	16	1.260	22.750	0.350	34	160
20"	7	27.990	2.680	20.380	20	1.250	25.000	0.350	93.5	335
20"	13.5	27.870	2.130	20.380	20	1.260	25.000	0.350	42	160
22"	7	30.310	3.190	22.380	20	1.380	27.250	0.350	104.9	335
24"	7	32.520	3.190	24.380	20	1.380	29.500	0.350	142.5	335
24"	13.5	32.520	2.240	24.380	20	1.380	29.500	0.350	58.5	160
28"	7	37.200	3.900	28.380	28	1.380	34.000	0.350	224.4	335
28"	13.5	36.950	2.990	28.390	28	1.380	34.000	0.350	105	160
30"	7	39.210	3.900	30.380	28	1.380	36.000	0.350	247.1	335
30"	13.5	39.450	3.130	30.380	28	1.380	36.000	0.350	119	160
36"	13.5	46.650	3.860	36.380	32	1.610	42.750	0.350	197	160



MJ ADAPTER

IPS - SDR 9 - 255 PSI | SDR 11 - 200 PSI

NOMINAL SIZE	SDR	A	B	C	D	WEIGHT
2" IPS	9	8.00"	2.375"	2.34"	2.375"	2.0 lbs.
2" IPS	11	8.00"	2.375"	2.34"	2.375"	1.9 lbs.
3" IPS	9	9.00"	3.500"	2.34"	3.960"	2.4 lbs.
3" IPS	11	9.00"	3.500"	2.34"	3.960"	2.1 lbs.
4" IPS	9	10.25"	4.500"	2.34"	4.800"	3.4 lbs.
4" IPS	11	10.25"	4.500"	2.34"	4.800"	3.0 lbs.
6" IPS	9	11.31"	6.625"	2.34"	6.900"	7.0 lbs.
6" IPS	11	11.31"	6.625"	2.34"	6.900"	6.3 lbs.
8" IPS	9	11.94"	8.625"	2.34"	9.050"	12.7 lbs.
8" IPS	11	11.94"	8.625"	2.34"	9.050"	11.1 lbs.
10" IPS	9	13.56"	10.750"	2.34"	11.100"	20.9 lbs.
10" IPS	11	13.56"	10.750"	2.34"	11.100"	18.1 lbs.
12" IPS	9	13.00"	12.750"	2.34"	13.200"	28.0 lbs.
12" IPS	11	13.00"	12.750"	2.34"	13.200"	24.2 lbs.
14" IPS	11	13.00"	14.000"	1.75"	15.300"	35.3 lbs.
16" IPS	11	13.00"	16.000"	1.75"	17.400"	40.8 lbs.
18" IPS	11	13.00"	18.000"	1.75"	19.500"	51.1 lbs.
20" IPS	11	15.22"	20.000"	2.54"	21.600"	72.8 lbs.
24" IPS	11	16.73"	24.000"	2.67"	25.800"	109.8 lbs.

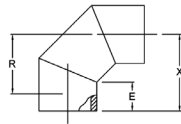
MJ ADAPTER

DIPS - SDR 9 - 255 PSI | SDR 11 - 200 PSI

NOMINAL SIZE	SDR	A	B	C	D	WEIGHT
4" DIPS	9	10.25"	4.800"	2.34"	4.800"	3.5 lbs.
4" DIPS	11	10.25"	4.800"	2.34"	4.800"	3.2 lbs.
6" DIPS	9	11.31"	6.900"	2.34"	6.900"	7.7 lbs.
6" DIPS	11	11.31"	6.900"	2.34"	6.900"	6.8 lbs.
8" DIPS	9	11.94"	9.050"	2.34"	9.050"	13.0 lbs.
8" DIPS	11	11.94"	9.050"	2.34"	9.050"	11.3 lbs.
10" DIPS	9	13.56"	11.100"	2.34"	11.100"	22.1 lbs.
10" DIPS	11	13.56"	11.100"	2.34"	11.100"	19.9 lbs.
12" DIPS	9	13.00"	13.200"	2.34"	13.200"	30.2 lbs.
12" DIPS	11	13.00"	13.200"	2.34"	13.200"	25.9 lbs.
14" DIPS	11	14.00"	15.300"	2.22"	15.300"	33.1 lbs.
16" DIPS	11	14.00"	17.400"	2.22"	17.400"	44.1 lbs.
18" DIPS	11	15.22"	19.500"	2.63"	19.500"	66.2 lbs.
20" DIPS	11	15.22"	21.600"	2.63"	21.600"	94.8 lbs.
24" DIPS	11	15.22"	25.800"	2.63"	25.800"	132.3 lbs.

FABRICATED 90 ELBOW

IPS 3-Segment 90 Elbow (1/4 Bend)

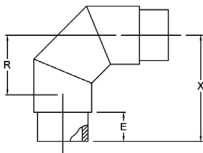


Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
4		6.8	10.9	6.0	220	7	160	6
6		10.0	13.2	6.0	220	16	160	13
8		10.7	14.6	6.5	220	29	160	23
10		13.5	16.6	6.5	220	51	160	42
12		16.0	20.0	8.0	220	84	160	68
14		14.5	19.4	8.0	220	99	160	80
16		16.8	21.2	8.0	220	138	160	112
18		18.4	22.5	8.0	220	184	160	150
20		20.4	24.1	8.0	220	241	160	196
22		22.4	25.7	8.0	220	308	160	251
24		24.5	27.3	8.0	220	394	160	320
26		26.5	30.9	10.0			160	421
28		28.5	32.5	10.0			160	509
30		30.5	34.1	10.0				
32		38.0	38.9	10.0				
34		41.0	41.0	10.0				
36		43.0	42.6	10.0				
42		50.0	54.0	16.0				
48		58.0	59.9	16.0				
54		64.0	64.7	16.0				

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
4	130	5	85	5						
6	130	11	85	11						
8	130	20	85	14						
10	130	34	85	24						
12	130	57	85	39						
14	130	66	85	45						
16	130	93	85	63						
18	130	126	85	85						
20	130	162	85	111						
22	130	209	85	141						
24	130	267	85	181						
26	130	354	85	239						
28	130	427	85	283						
30	130	510	85	345						
32	130	738	85	496						
34	130	871	85	585						
36	130	1019	85	686						
42			85	10	65	856	50	984		
48					65	1208	50	1401	45	1126
54										

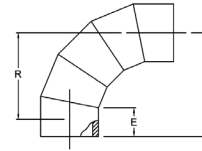
IPS 3-Segment 90 Elbow (1/4 Bend)

- Reinforced
- Fully Pressure Rated with Full Flow ID



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
4		10.0	19.2	6.0	335	250	200	130	
6		10.7	20.6	6.0	335	250	200	130	
8		13.5	23.1	6.5	335	250	200	130	
10		16.0	26.5	6.5	335	250	200	130	
12		14.5	27.4	8.0	335	250	200	130	
14		16.8	29.2	8.0	335	250	200	130	
16		18.4	30.5	8.0	335	250	200	130	
18		20.4	32.1	8.0	335	250	200	130	
20		22.4	33.7	8.0	335	250	200	130	
22		24.5	35.3	8.0	335	250	200	130	
24		26.5	38.9	8.0	335	250	200	130	
30		38.4	48.9	10.0		250	200	130	
36		45.6	64.6	10.0			200	130	100

IPS 5-Segment 90 Elbow (1/4 Bend)

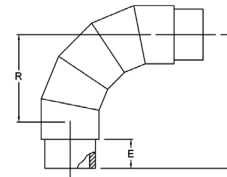


Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
2		12.7	14.4	4.0	250	2	200	2
3		13.2	15.0	4.0	250	5	200	4
4		13.7	15.5	4.0	250	9	200	8
6		14.7	18.5	6.0	250	22	200	18
8		16.0	20.2	6.5	250	40	200	32
10		17.0	21.2	6.5	250	64	200	53
12		19.1	24.6	8.0	250	103	200	84
14		21.0	26.2	8.0	250	132	200	106
16		24.0	28.8	8.0	250	185	200	151
18		27.0	31.4	8.0	250	254	200	207
20		30.0	34.0	8.0	250	335	200	270
22		33.0	36.6	8.0	250	430	200	347
24		36.0	39.2	8.0	250	538	200	437
26		48.0	51.0	10.0			200	517
28		49.0	52.0	10.0			200	699
30		52.0	54.6	10.0				
32		54.0	56.4	10.0				
34		55.0	57.4	10.0				
36		58.0	60.0	10.0				
42		63.0	70.7	16.0				
48		72.0	78.4	16.0				
54		81.0	86.3	16.0				

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
2	160	1.5	105	1.5						
3	160	4	105	4						
4	160	7	105	7						
6	160	15	105	15						
8	160	27	105	19						
10	160	43	105	30						
12	160	72	105	46						
14	160	88	105	60						
16	160	125	105	84						
18	160	174	105	118						
20	160	225	105	153						
22	160	292	105	196						
24	160	364	105	247						
26	160	485	105	328						
28	160	587	105	390						
30	160	714	105	483						
32	160	847	105	570						
34	160	996	105	668						
36	160	1176	105	792						
42			105	1215	80	990				
48					80	1402	65	1140		
54							65	1788	50	1436

IPS 5-Segment 90 Elbow (1/4 Bend)

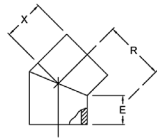
- Reinforced
- Fully Pressure Rated with Full Flow ID



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		14.7	22.5	4.0	335		200	130
6		16.0	26.2	6.0	335	250	200	130
8		17.0	27.7	6.5	335	250	200	130
10		19.1	31.1	6.5	335	250	200	130
12		21.0	34.2	8.0	335	250	200	130
14		24.0	36.8	8.0	335	250	200	130
16		27.0	39.4	8.0	335	250	200	130
18		30.0	42.0	8.0	335	250	200	130
20		33.0	44.6	8.0	335	250	200	130
22		36.0	47.2	8.0	335	250	200	130
24		48.0	59.0	8.0	335	250	200	130
26		49.0	62.0	10.0		250	200	130
28		52.0	64.6	10.0		250	200	130
30		54.0	66.4	10.0		250	200	130
36		57.0	69.4	10.0		250	200	130

FABRICATED 45 ELBOW

IPS 2-Segment 45 Elbow (1/8 Bend)

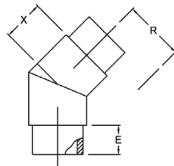


Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		6.8	6.9	6.0	220	3.5	160	3
6		10.0	7.4	6.0	220	8	160	7
8		10.7	8.3	6.5	220	19	160	15
10		13.5	8.7	6.5	220	31	160	26
12		16.0	10.6	8.0	220	52	160	42
14		14.5	10.9	8.0	220	66	160	53
16		16.8	11.3	8.0	220	86	160	70
18		18.4	11.7	8.0	220	114	160	93
20		20.4	12.1	8.0	220	148	160	119
22		22.4	12.6	8.0	220	178	160	144
24		24.5	13.0	8.0	220	221	160	180
26		26.5	15.4	10.0			160	247
28		28.5	15.8	10.0			160	297
30		30.5	16.2	10.0				
32		38.0	16.6	10.0				
34		41.0	17.0	10.0				
36		43.0	17.5	10.0				
42		50.0	24.7	16.0				
48		58.0	25.9	16.0				
54		64.0	27.2	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4	130	2.5	85	2.5						
6	130	6	85	6						
8	130	13	85	9						
10	130	21	85	15						
12	130	35	85	24						
14	130	44	85	30						
16	130	58	85	39						
18	130	79	85	53						
20	130	99	85	67						
22	130	121	85	82						
24	130	151	85	101						
26	130	208	85	141						
28	130	249	85	165						
30	130	286	85	193						
32	130	331	85	224						
34	130	383	85	257						
36	130	441	85	296						
42			85	432	65	352				
48					65	478	50	389		
54							50	538	45	432

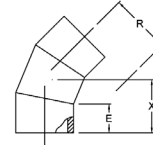
IPS 2-Segment 45 Elbow (1/8 Bend)

- Reinforced
- Fully Pressure Rated with Full Flow ID



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9		SDR 11		SDR 17		SDR 21	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		10.0	13.4	6.0	335	250	200	130						
6		10.7	14.3	6.0	335	250	200	130						
8		13.5	15.2	6.5	335	250	200	130						
10		16.0	17.1	6.5	335	250	200	130						
12		14.5	18.9	8.0	335	250	200	130						
14		16.8	19.3	8.0	335	250	200	130						
16		18.4	19.7	8.0	335	250	200	130						
18		20.4	20.1	8.0	335	250	200	130						
20		22.4	20.6	8.0	335	250	200	130						
22		24.5	21.0	8.0	335	250	200	130						
24		26.5	23.4	8.0	335	250	200	130						
30		38.4	26.6	10.0			250							
36		45.6	27.9	10.0					200	130			100	

IPS 3-Segment 45 Elbow (1/8 Bend)

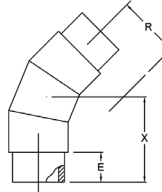


Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2		12.7	6.6	4.0	250	1.5	200	1
3		13.2	6.8	4.0	250	3	200	2
4		13.7	7.0	4.0	250	6	200	5
6		14.7	9.4	6.0	250	11	200	11
8		16.0	10.3	6.5	250	24	200	19
10		17.0	10.7	6.5	250	39	200	32
12		19.1	12.8	8.0	250	62	200	51
14		21.0	13.2	8.0	250	79	200	64
16		24.0	14.0	8.0	250	112	200	91
18		27.0	14.7	8.0	250	146	200	119
20		30.0	15.5	8.0	250	187	200	151
22		33.0	16.3	8.0	250	243	200	197
24		36.0	17.0	8.0	250	298	200	244
26		48.0	21.4	10.0			200	330
28		49.0	21.8	10.0			200	393
30		52.0	22.5	10.0				
32		54.0	23.1	10.0				
34		55.0	23.5	10.0				
36		58.0	24.2	10.0				
42		63.0	31.7	16.0				
48		72.0	34.0	16.0				
54		81.0	36.2	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2	160	1	105	1						
3	160	2	105	2						
4	160	4	105	4						
6	160	9	105	9						
8	160	16	105	12						
10	160	26	105	18						
12	160	43	105	29						
14	160	53	105	36						
16	160	76	105	51						
18	160	101	105	68						
20	160	126	105	86						
22	160	165	105	111						
24	160	202	105	137						
26	160	277	105	187						
28	160	329	105	218						
30	160	388	105	262						
32	160	464	105	312						
34	160	537	105	361						
36	160	618	105	416						
42			105	621	80	506				
48					80	700	65	570		
54							65	954	50	766

IPS 3-Segment 45 Elbow (1/8 Bend)

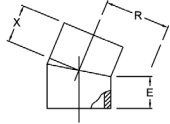
- Reinforced
- Fully Pressure Rated with Full Flow ID



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9		SDR 11		SDR 17	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		14.7	13.4	4.0	335	250	200	130				
6		16.0	16.3	6.0	335	250	200	130				
8		17.0	17.2	6.5	335	250	200	130				
10		19.1	19.3	6.5	335	250	200	130				
12		21.0	21.2	8.0	335	250	200	130				
14		24.0	22.0	8.0	335	250	200	130				
16		27.0	22.7	8.0	335	250	200	130				
18		30.0	23.5	8.0	335	250	200	130				
20		33.0	24.3	8.0	335	250	200	130				
22		36.0	25.0	8.0	335	250	200	130				
24		48.0	29.4	8.0	335	250	200	130				
26		49.0	31.8	10.0			250					
28		52.0	32.5	10.0			250					
30		54.0	33.1	10.0			250					
36		57.0	34.2	10.0			250					

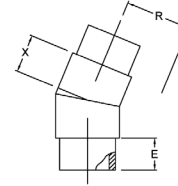
FABRICATED 22.5 ELBOW

IPS 2-Segment 22.5 Elbow (1/16 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
2		3.6	4.3	4.0	250	1	200	1
3		5.3	4.4	4.0	250	2	200	2
4		6.8	4.5	4.0	250	3.5	200	3
6		10.0	6.7	6.0	250	9	200	7
8		10.7	7.4	6.5	250	16	200	13
10		13.5	7.6	6.5	250	26	200	21
12		16.0	9.3	8.0	250	43	200	35
14		14.5	9.4	8.0	250	53	200	42
16		16.8	9.6	8.0	250	73	200	61
18		18.4	9.8	8.0	250	92	200	75
20		20.4	10.0	8.0	250	114	200	92
22		22.4	10.2	8.0	250	146	200	118
24		24.5	10.4	8.0	250	173	200	141
26		26.5	12.6	10.0			200	201
28		28.5	12.8	10.0			200	233
30		30.5	13.0	10.0				
32		38.0	13.2	10.0				
34		41.0	13.4	10.0				
36		43.0	13.6	10.0				
42		50.0	20.2	16.0				
48		58.0	20.8	16.0				
54		64.0	21.4	16.0				

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
2	160	1	105	1						
3	160	1.5	105	1.5						
4	160	2.5	105	2.5						
6	160	6	105	6						
8	160	11	105	9						
10	160	17	105	12						
12	160	31	105	20						
14	160	35	105	24						
16	160	49	105	33						
18	160	63	105	43						
20	160	77	105	52						
22	160	99	105	67						
24	160	117	105	79						
26	160	170	105	116						
28	160	196	105	130						
30	160	224	105	152						
32	160	267	105	179						
34	160	301	105	203						
36	160	338	105	227						
42			105	324	80	264				
48					80	350	65	285		
54							65	537	50	431



IPS 2-Segment 22.5 Elbow (1/16 Bend)

- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
4		10.0	10.7	6.0	335	250	200	130	
6		10.7	13.4	6.0	335	250	200	130	
8		13.5	14.0	6.5	335	250	200	130	
10		16.0	15.8	6.5	335	250	200	130	
12		145.0	17.4	8.0	335	250	200	130	
14		16.8	17.6	8.0	335	250	200	130	
16		18.4	17.8	8.0	335	250	200	130	
18		20.4	18.0	8.0	335	250	200	130	
20		22.4	18.2	8.0	335	250	200	130	
22		24.5	18.4	8.0	335	250	200	130	
24		26.5	20.6	8.0	335	250	200	130	
30		38.4	23.2	10.0		250	200	130	
36		45.6	23.8	10.0			200	130	100

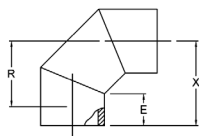
DIPS 2-Segment 22.5 Elbow (1/16 Bend)

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		7.2	6.5	6.0	200	4	160	3
6		10.4	6.7	6.0	200	9	160	7
8		11.3	7.4	6.5	200	14	160	13
10		13.9	7.6	6.5	200	24	160	20
12		16.5	9.3	8.0	200	39	160	32
14		16.1	9.5	8.0	200	56	160	45
16		18.3	9.7	8.0	200	69	160	60
18		19.9	9.9	8.0	200	89	160	73
20		22.0	10.1	8.0	200	114	160	96
24		26.3	10.6	8.0	200	162	160	137
30		38.0	13.2	10.0			160	267

Size [inch]	SDR 17 WPR [psi]	Weight [lbs]
4	105	2
6	105	5
8	105	10
10	105	14
12	105	23
14	105	31
16	105	39
18	105	50
20	105	65
24	105	92
30	105	179

FABRICATED DIPS ELBOWS

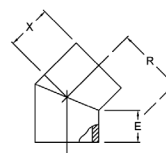
DIPS 3-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		7.2	11.2	6.0	160	8	130	6
6		10.4	13.5	6.0	160	16	130	13
8		11.3	15.0	6.5	160	27	130	24
10		13.9	16.9	6.5	160	44	130	37
12		16.5	20.4	8.0	160	75	130	62
14		16.1	20.6	8.0	160	103	130	85
16		18.3	22.3	8.0	160	141	130	119
18		19.9	23.7	8.0	160	187	130	155
20		22.0	25.4	8.0	160	239	130	206
24		26.3	28.8	8.0	160	378	130	321
30		38.0	38.9	10.0			130	731

SDR 17		
Size [inch]	WPR [psi]	Weight [lbs]
4	85	4
6	85	9
8	85	17
10	85	26
12	85	44
14	85	58
16	85	78
18	85	104
20	85	137
24	85	215
30	85	492

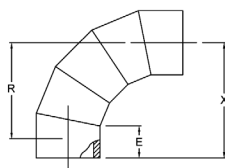
DIPS 2-Segment 45 Elbow (1/8 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		7.2	7.0	6.0	160	5	130	4
6		10.4	7.4	6.0	160	10	130	8
8		11.3	8.4	6.5	160	17	130	15
10		13.9	8.8	6.5	160	27	130	25
12		16.5	10.7	8.0	160	46	130	38
14		16.1	11.2	8.0	160	64	130	53
16		18.3	11.6	8.0	160	86	130	74
18		19.9	12.0	8.0	160	109	130	90
20		22.0	12.5	8.0	160	139	130	117
24		26.3	13.3	8.0	160	207	130	175
30		38.0	16.6	10.0			130	336

SDR 17		
Size [inch]	WPR [psi]	Weight [lbs]
4	85	3
6	85	6
8	85	11
10	85	16
12	85	27
14	85	36
16	85	48
18	85	61
20	85	79
24	85	117
30	85	226

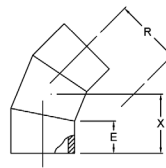
DIPS 5-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		14.0	17.7	6.0	200	11	160	9
6		15.0	18.7	6.0	200	21	160	17
8		16.2	20.4	6.5	200	35	160	32
10		17.2	21.4	6.5	200	56	160	47
12		19.8	25.2	8.0	200	94	160	78
14		23.0	28.0	8.0	200	134	160	114
16		26.1	30.6	8.0	200	187	160	161
18		29.3	33.4	8.0	200	256	160	211
20		32.4	36.1	8.0	200	328	160	276
24		38.7	41.6	8.0	200	531	160	449
30		48.0	51.6	10.0			160	847

SDR 17		
Size [inch]	WPR [psi]	Weight [lbs]
4	105	5
6	105	12
8	105	25
10	105	33
12	105	55
14	105	76
16	105	106
18	105	142
20	105	187
24	105	301
30	105	570

DIPS 3-Segment 45 Elbow (1/8 Bend)

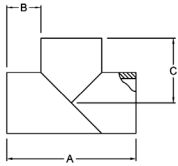


Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		14.0	9.1	6.0	200	6	160	4.5
6		15.0	9.4	6.0	200	13	160	11
8		16.2	10.4	6.5	200	21	160	19
10		17.2	10.8	6.5	200	34	160	28
12		19.8	13.0	8.0	200	58	160	48
14		23.0	13.8	8.0	200	80	160	66
16		26.1	14.5	8.0	200	111	160	95
18		29.3	15.3	8.0	200	146	160	121
20		32.4	16.1	8.0	200	183	160	154
24		38.7	17.7	8.0	200	288	160	243
30		48.0	22.0	10.0			160	464

SDR 17		
Size [inch]	WPR [psi]	Weight [lbs]
4	105	3
6	105	7
8	105	14
10	105	20
12	105	34
14	105	45
16	105	62
18	105	81
20	105	105
24	105	163
30	105	312

FABRICATED TEES

IPS Fabricated Line Tee

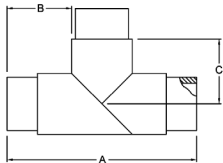


Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
4		16.5	6.0	8.3	235	8	175	7
6		18.6	6.0	9.3	235	19	175	15
8		24.6	8.0	12.3	235	42	175	34
10		26.8	8.0	13.4	235	70	175	57
12		28.8	8.0	14.4	235	105	175	85
14		32.0	9.0	16.0	235	140	175	112
16		34.0	9.0	17.0	235	204	175	166
18		38.0	10.0	19.0	235	283	175	231
20		40.0	10.0	20.0	235	368	175	297
22		46.0	12.0	23.0	235	506	175	409
24		48.0	12.0	24.0	235	983	175	507
26		54.0	14.0	27.0			175	686
28		56.0	14.0	28.0			175	821
30		58.0	14.0	29.0				
32		60.0	14.0	30.0				
34		74.0	20.0	50.0				
36		76.0	20.0	51.0				
42		82.0	20.0	54.0				
48		88.0	20.0	57.0				
54		94.0	20.0	60.0				

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
4	140	6								
6	140	13								
8	140	28	90	32						
10	140	46	90	32						
12	140	72	90	48						
14	140	93	90	63						
16	140	137	90	92						
18	11	140	90	131						
20	140	247	90	167						
22	140	343	90	231						
24	140	422	90	286						
26	140	577	90	390						
28	140	689	90	457						
30	140	816	90	552						
32	140	957	90	643						
34	140	1454	90	977						
36	140	1676	90	1128						
42			90	1633	70	1331	55	1413		
48					70	1736	55	2026	45	1628
54										

IPS Fabricated Line Tee

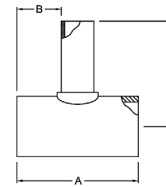
- Reinforced
- Fully Pressure Rated with Full Flow ID



Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		30.6	10.0	15.3	335	250	200	130
6		36.6	14.0	18.3	335	250	200	130
8		39.8	14.5	19.9	335	250	200	130
10		41.8	14.5	20.9	335	250	200	130
12		48.0	17.0	24.0	335	250	200	130
14		50.0	17.0	25.0	335	250	200	130
16		54.0	18.0	27.0	335	250	200	130
18		56.0	18.0	28.0	335	250	200	130
20		62.0	20.0	31.0	335	250	200	130
22		64.0	20.0	32.0	335	250	200	130
24		70.0	22.0	35.0	335	250	200	130

IPS Branch Saddle Reducing Tee

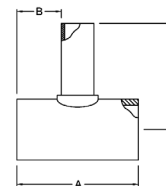
- Fully Pressure Rated



Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
4 x 2		18.0	7.2	11.3	335	250	200	130	
4 x 3		18.0	6.7	12.3	335	250	200	130	
6 x 2		18.0	7.2	13.3	335	250	200	130	
6 x 3		18.0	6.7	13.3	335	250	200	130	
6 x 4		19.0	6.7	13.3	335	250	200	130	
8 x 2		18.0	7.2	13.8	335	250	200	130	
8 x 3		18.0	6.7	14.6	335	250	200	130	
8 x 4		19.0	6.2	14.3	335	250	200	130	
8 x 6		21.0	6.2	14.3	335	250	200	130	
10 x 2		18.0	7.2	14.4	335	250	200	130	
10 x 3		18.0	6.7	15.9	335	250	200	130	
10 x 4		19.0	6.2	15.4	335	250	200	130	
10 x 6		21.0	6.2	15.4	335	250	200	130	
10 x 8		24.0	6.6	24.4	335	250	200	130	
12 x 2		20.0	8.2	15.4	335	250	200	130	
12 x 3		21.0	8.2	16.4	335	250	200	130	
12 x 4		23.0	8.2	16.4	335	250	200	130	
12 x 6		24.0	7.7	16.4	335	250	200	130	
12 x 8		28.0	8.6	25.4	335	250	200	130	
12 x 10		30.0	8.6	26.4	335	250	200	130	
14 x 2		20.0	8.2	16.7	335	250	200	130	
14 x 3		21.0	8.2	17.5	335	250	200	130	
14 x 4		23.0	8.2	17.2	335	250	200	130	
14 x 6		24.0	7.7	17.0	335	250	200	130	
14 x 8		28.0	8.6	26.8	335	250	200	130	
14 x 10		30.0	8.6	27.0	335	250	200	130	
14 x 12		32.0	8.5	29.0	335	250	200	130	
16 x 2		24.0	10.2	17.7	335	250	200	130	
16 x 3		24.0	9.7	18.5	335	250	200	130	
16 x 4		27.0	10.2	18.2	335	250	200	130	80
16 x 6		29.0	10.2	18.0	335	250	200	130	80
16 x 8		32.0	10.6	27.8	335	250	200	130	80
16 x 10		34.0	10.6	28.0	335	250	200	130	90
16 x 12		36.0	10.5	30.0	335	250	200	130	80
18 x 2		24.0	10.2	18.5	335	250	200	130	80
18 x 3		24.0	9.7	19.3	335	250	200	130	80
18 x 4		27.0	10.2	19.0	335	250	200	130	80
18 x 6		29.0	10.2	18.6	335	250	200	130	80
18 x 8		32.0	10.6	28.6	335	250	200	130	80
18 x 10		34.0	10.6	29.0	335	250	200	130	80
18 x 12		36.0	10.5	31.0	335	250	200	130	80

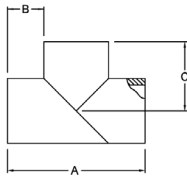
IPS Branch Saddle Reducing Tee (continued)

- Fully Pressure Rated



Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
20 x 2		28.0	12.2	19.5	335	250	200	130	80
20 x 3		29.0	12.2	20.3	335	250	200	130	80
20 x 4		31.0	7.2	20.0	335	250	200	130	80
20 x 6		33.0	12.2	19.6	335	250	200	130	80
20 x 8		36.0	12.6	29.6	335	250	200	130	80
20 x 10		38.0	12.6	30.0	335	250	200	130	80
20 x 12		40.0	12.5	32.0	335	250	200	130	80
22 x 2		28.0	12.2	20.5	335	250	200	130	80
22 x 3		29.0	12.2	21.3	335	250	200	130	80
22 x 4		31.0	7.2	21.0	335	250	200	130	80
22 x 6		33.0	12.2	20.6	335	250	200	130	80
22 x 8		36.0	12.6	30.6	335	250	200	130	80
22 x 10		38.0	12.6	31.2	335	250	200	130	80
22 x 12		40.0	12.5	33.0	335	250	200	130	80
24 x 2		28.0	12.2	21.5	335	250	200	130	80
24 x 3		29.0	12.2	22.3	335	250	200	130	80
24 x 4		31.0	7.2	22.0	335	250	200	130	80
24 x 6		33.0	12.2	21.6	335	250	200	130	80
24 x 8		36.0	12.6	31.6	335	250	200	130	80
24 x 10		38.0	12.6	32.2	335	250	200	130	80
24 x 12		40.0	12.5	34.0	335	250	200	130	80

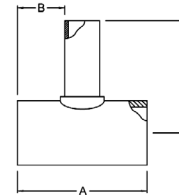
FABRICATED TEES



DIPS Fabricated Line Tee

Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR11 WPR [psi]	Weight [lbs]
4		16.8	6.0	8.4	175	9	140	7
6		18.9	6.0	9.5	175	18	140	15
8		25.0	8.0	12.5	175	37	140	34
10		27.1	8.0	13.6	175	62	140	51
12		29.2	8.0	14.6	175	93	140	78
14		33.3	9.0	16.7	175	50	140	124
16		35.4	9.0	17.7	175	205	140	175
18		39.5	10.0	19.8	175	286	140	236
20		41.6	10.0	20.8	175	359	140	302
24		49.8	12.0	24.9	175	612	140	516
30		60.0	14.0	30.0			140	963

Size [inch]	SDR 17	
	WPR [psi]	Weight [lbs]
4	90	5
6	90	10
8	90	23
10	90	37
12	90	54
14	90	84
16	90	115
18	90	159
20	90	206
24	90	348
30	90	647

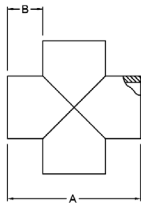


DIPS Branch Saddle Reducing Tee

- Fully Pressure Rated

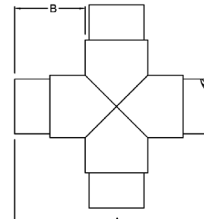
Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR21 WPR [psi]
6 x 4		19.0	6.2	13.3	250	200	130	
8 x 4		19.0	6.2	14.3	250	200	130	
8 x 6		21.0	6.2	14.3	250	200	130	
10 x 4		19.0	6.2	15.4	250	200	130	
10 x 6		21.0	6.2	15.4	250	200	130	
10 x 8		24.0	6.2	24.4	250	200	130	
12 x 4		23.0	8.2	16.6	250	200	130	
12 x 6		24.0	7.7	16.4	250	200	130	
12 x 8		28.0	8.2	25.4	250	200	130	
12 x 10		30.0	8.6	26.4	250	200	130	
14 x 4		23.0	8.2	17.6	250	200	130	
14 x 6		24.0	7.7	17.0	250	200	130	
14 x 8		28.0	8.2	27.1	250	200	130	
14 x 10		30.0	8.1	27.0	250	200	130	
14 x 12		32.0	8.4	29.0	250	200	130	
16 x 4		28.0	10.2	18.7	250	200	130	80
16 x 6		29.0	10.2	18.0	250	200	130	80
16 x 8		32.0	10.2	28.2	250	200	130	80
16 x 10		34.0	10.1	28.0	250	200	130	80
16 x 12		36.0	10.4	30.0	250	200	130	80
18 x 4		27.0	10.2	19.7	250	200	130	80
18 x 6		29.0	10.2	20.2	250	200	130	80
18 x 8		32.0	10.2	29.2	250	200	130	80
18 x 10		34.0	10.1	29.7	250	200	130	80
18 x 12		36.0	10.4	31.7	250	200	130	80
20 x 4		31.0	12.2	21.3	250	200	130	80
20 x 6		33.0	12.2	21.3	250	200	130	80
20 x 8		36.0	12.2	30.3	250	200	130	80
20 x 10		38.0	12.1	30.8	250	200	130	80
20 x 12		40.0	12.4	32.8	250	200	130	80
24 x 4		31.0	12.2	22.9	250	200	130	80
24 x 6		33.0	12.2	23.4	250	200	130	80
24 x 8		36.0	12.2	32.4	250	200	130	80
24 x 10		38.0	12.1	32.9	250	200	130	80
24 x 12		40.0	12.4	34.9	250	200	130	80

FABRICATED CROSSES



IPS Line Cross

Size [inch]	Part No.	A [inch]	B [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR9 WPR [psi]	Weight [lbs]
2		9.0	3.3				
3		10.3	3.4				
4		16.5	6.0	130	10	100	8
6		18.6	6.0	130	22	100	18
8		24.6	8.0	130	50	100	41
10		26.8	8.0	130	83	100	67
12		28.8	8.0	130	123	100	99
14		32.0	9.0	130	165	100	132
16		34.0	9.0	130	236	100	1192
18		38.0	10.0	130	328	100	267
20		40.0	10.0	130	423	100	342
22		46.0	12.0	130	586	100	474
24		48.0	12.0	130	1079	100	584
26		54.0	14.0			100	792
28		56.0	14.0			100	944
30		58.0	14.0				
32		60.0	14.0				
34		74.0	20.0				
36		76.0	20.0				
42		82.0	20.0				
48		88.0	20.0				
54		94.0	20.0				



IPS Line Cross

- Reinforced
- Fully Pressure Rated With Full Flow ID

Size [inch]	Part No.	Feedstock OD [inch]	A [inch]	B [inch]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		6.625	15.3	12.0	200	160	100
6		8.625	18.3	14.0	200	160	100
8		10.750	19.9	14.5	200	160	100
10		12.750	20.9	14.5	200	160	100
12		14.000	24.0	17.0	200	160	100
14		16.000	25.0	17.0	200	160	100
16		18.000	27.0	18.0	200	160	100
18		20.000	28.0	18.0	200	160	100
20		22.000	31.0	20.0	200	160	100
22		24.000	32.0	20.0	200	160	100
24		26.000	35.0	20.0	200	160	100

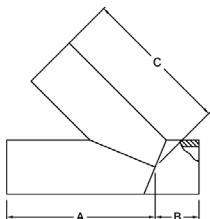
DIPS Fabricated Line Cross

Size [inch]	Part No.	A [inch]	B [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR9 WPR [psi]	Weight [lbs]
4		16.8	6.0	160	11	128	8
6		18.9	6.0	160	20	128	17
8		25.0	8.0	160	44	128	40
10		27.1	8.0	160	73	128	60
12		29.2	8.0	160	108	128	91
14		33.3	9.0	160	173	128	143
16		35.4	9.0	160	235	128	200
18		39.5	10.0	160	328	128	271
20		41.6	10.0	160	411	128	346
24		49.8	12.0	160	701	128	591
30		60.0	14.0			128	1098

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]
4		
6		
8		
10	80	43
12	80	62
14	80	97
16	80	132
18	80	183
20	80	234
24	80	398
30	80	737

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
2	80	2								
3	80	3								
4	80	7								
6	80	16								
8	80	34								
10	80	55	50	38						
12	80	84	50	56						
14	80	109	50	74						
16	80	159	50	107						
18	80	224	50	152						
20	80	284	50	192						
22	80	397	50	267						
24	80	487	50	329						
26	80	663	50	449						
28	80	791	50	525						
30	80	934	50	631						
32	80	1092	50	733						
34	80	1670	50	1123						
36	80	1920	50	1292						
42			50	1856	40	1514				
48					40	1967	30	1602		
54							30	2273	25	1827

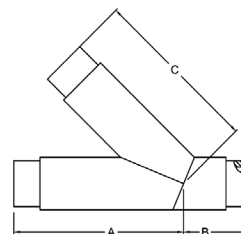
FABRICATED WYES



IPS 45 Lateral Wye

Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
2		18.0	6.0	14.0	130	3	100	2
3		18.0	7.0	14.0	130	7	100	6
4		22.0	7.0	22.0	130	16	100	14
6		28.0	7.0	28.0	130	42	100	33
8		30.0	8.0	30.0	130	74	100	59
10		31.0	8.0	31.0	130	119	100	98
12		33.0	11.0	33.0	130	181	100	148
14		42.0	11.0	42.0	130	271	100	217
16		44.0	13.0	44.0	130	383	100	311
18		57.0	14.0	57.0	130	605	100	493
20		65.0	14.0	65.0	130	838	100	675
22		67.0	14.0	67.0	130	1044	100	845
24		69.0	15.0	69.0	130	1272	100	1033
26		70.0	17.0	70.0			100	1272
28		71.0	18.0	71.0			100	1495
30		90.0	18.0	90.0				
32		91.0	19.0	91.0				
34		93.0	20.0	93.0				
36		95.0	20.0	95.0				
42		109.0	25.0	109.0				
48		113.0	26.0	113.0				
54		118.0	29.0	118.0				

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
2	80	2								
3	80	5								
4	80	12								
6	80	30								
8	80	51								
10	80	79	50	55						
12	80	124	50	84						
14	80	181	50	123						
16	80	258	50	174						
18	80	415	50	280						
20	80	563	50	382						
22	80	710	50	477						
24	80	861	50	583						
26	80	1071	50	723						
28	80	1256	50	832						
30	80	1759	50	1191						
32	80	2030	50	1365						
34	80	2344	50	1575						
36	80	2683	50	1807						
42			50	2835	40	2310				
48					40	3045	30	2479		
54							30	3412	25	2742



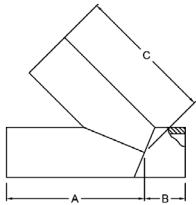
IPS 45 Lateral Wye

- Reinforced
- Fully Pressure Rated With Full Flow ID

Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		28.0	13.0	28.0	250	200	130
6		30.0	14.0	30.0	250	200	130
8		31.0	14.5	31.0	250	200	130
10		33.0	17.5	33.0	250	200	130
12		42.0	19.0	42.0	250	200	130
14		44.0	21.0	44.0	250	200	130
16		57.0	22.0	57.0	250	200	130
18		65.0	22.0	65.0	250	200	130
20		67.0	22.0	67.0	250	200	130
22		69.0	23.0	69.0	250	200	130
24		70.0	23.0	70.0	250	200	130

FABRICATED WYES

DIPS 45 Lateral Wye

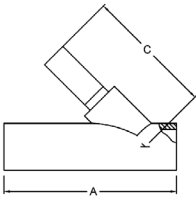


Size [inch]	Part No.	A [inch]	B [inch]	C [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		22.0	7.0	22.0	100	16	80	11
6		28.0	7.0	28.0	100	35	80	29
8		30.0	8.0	30.0	100	60	80	54
10		31.0	8.0	31.0	100	97	80	78
12		33.0	11.0	33.0	100	155	80	124
14		42.0	11.0	42.0	100	241	80	203
16		44.0	13.0	44.0	100	334	80	286
18		57.0	14.0	57.0	100	542	80	442
20		65.0	14.0	65.0	100	747	80	609
24		69.0	15.0	69.0	100	1096	80	926
30		91.0	19.0	91.0				1840

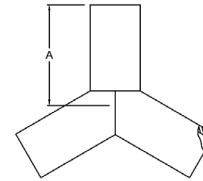
Size [inch]	SDR 17 WPR [psi]	Weight [lbs]
4	50	7
6	50	17
8	50	38
10	50	56
12	50	87
14	50	135
16	50	191
18	50	306
20	50	414
24	50	622
30	50	1238

IPS 45 Lateral Reducing Wye

- Full Pressure Rated

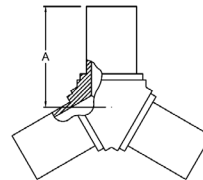


Size [inch]	Part No.	A [inch]	B [inch]	SDR 11 WPR [psi]	Weight [lbs]
8 x 4		38.0	30.0	200	37
10 x 4		39.0	31.0	200	51
12 x 4		44.0	33.0	200	87
10 x 6		39.0	31.0	200	72
12 x 6		44.0	33.0	200	96
14 x 6		53.0	42.0	200	129
12 x 8		44.0	33.0	200	109
14 x 8		53.0	42.0	200	143



IPS True Equal Wye

Size [inch]	Part No.	A [inch]	SDR 11 WPR [psi]	Weight [lbs]
4		9.0	80	6
6		12.0	80	17
8		16.0	80	36
10		20.0	80	69
12		24.0	80	115
14		28.0	80	161
16		32.0	80	246
18		36.0	80	348
20		40.0	80	475
22		44.0	80	631
24		48.0	80	816



IPS True Equal Wye

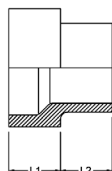
- Reinforced
- Fully Pressure Rated With Full Flow ID

Size [inch]	Part No.	Feedstock OD [inch]	A [inch]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		6.625	12.0	250	200	130
6		8.625	16.0	250	200	130
8		10.750	20.0	250	200	130
10		12.750	24.0	250	200	130
12		14.000	28.0	250	200	130
14		16.000	32.0	250	200	130
16		20.000	40.0	250	200	130
18		22.000	44.0	250	200	130
20		24.000	48.0	250	200	130
22		26.000	48.0		200	130
24		28.000	48.0		200	130

FABRICATED REDUCER BUSHINGS & BRANCH SADDLES

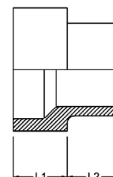
IPS Reducers Bushings

- Pressure Rated for SDR Ordered



Size [inch]	Part No.	L1 [inch]	L2 [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
1-1/2 x 1-1/4		2.00	2.00	250	1	200	1
6 x 4		4.00	4.00	250	3	200	3
*8 x 4		8.00	8.00			200	9
8 x 6		4.00	4.00	250	6	200	6
10 x 6		6.00	6.00			200	12
10 x 8		6.00	6.00	250	13	200	13
12 x 8		6.00	6.00			200	19
12 x 10		6.00	6.00	250	20	200	20
14 x 10		7.00	7.00			200	26
14 x 12		7.00	7.00	250	28	200	28
16 x 12		7.00	7.00			200	64
16 x 14		7.00	7.00	250	36	200	36
18 x 14		7.00	7.00			200	45
18 x 16		7.00	7.00	250	47	200	47
20 x 18		7.00	7.00	250	56	200	56
22 x 20		7.00	7.00	250	69	200	69
24 x 20		9.00	9.00			200	82
24 x 22		9.00	9.00	250	84	200	84

* Manufactured as 2-step Reducer using 8 x 6 and 6 x 4



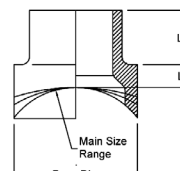
DIPS Reducers Bushings

- Pressure Rated for SDR Ordered

Size [inch]	Part No.	L1 [inch]	L2 [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 13.5 WPR [psi]	Weight [lbs]
4 x 3		3.00	3.00	200	2	160	2
6 x 4		3.00	3.00	200	3	160	3
8 x 6		5.00	5.00	200	8	160	8
10 x 8		6.00	6.00	200	15	160	15
12 x 10		6.00	6.00	200	21	160	21
14 x 12		7.00	7.00	200	33	160	33
16 x 14		7.00	7.00	200	43	160	43
18 x 16		7.00	7.00	200	52	160	52
20 x 18		7.00	7.00	200	62	160	62
24 x 20		14.00	11.00	200	129	160	129

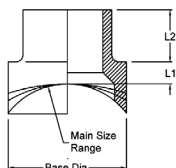
Size [inch]	SDR 13.5		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
1-1/2 x 1-1/4										
6 x 4	160	3	130	3						
*8 x 4	160	9	130	9						
8 x 6	160	6	130	6						
10 x 6	160	12	130	12						
10 x 8	160	13	130	13						
12 x 8	160	19	130	19						
12 x 10	160	20	130	20						
14 x 10	160	26	130	26						
14 x 12	160	28	130	28	100	28	80	28	65	28
16 x 12	160	64	130	64	100	64	80	64	65	64
16 x 14	160	36	130	36	100	36	80	36	65	36
18 x 14	160	45	130	45	100	45	80	45	65	45
18 x 16	160	47	130	47	100	47	80	47	65	47
20 x 18	160	56	130	56	100	56	80	56	65	56
22 x 20	160	69	130	69	100	69	80	69	65	69
24 x 20	160	82	130	82	100	82	80	82	65	82
24 x 22	160	84	130	84	100	84	80	84	65	84

* Manufactured as 2-step Reducer using 8 x 6 and 6 x 4



IPS Branch Saddles

- Blank branch saddles stocked in SDR11.
- Blanks machined per order to radius of main pipe OD; and re-bored to proper SDR.
- Branch saddles can be machined to main sizes up to 63.
- Purchaser must determine that concave/convex heater plate adapters



Outlet Size [inch]	Main Size Range [inch]	Part No.	L1 [inch]	L2 [inch]	Base Diameter [inch]	SDR 11 WPR [psi]	Weight [lbs]
2	3 - 54		3.2	0.2	2.6	200	1
3	4 - 54		3.2	0.5	3.9	200	1
4	6 - 54		3.2	0.5	4.8	200	2
6	8 - 54		3.2	0.7	7.3	200	4
8	10 - 54		6.0	0.7	9.4	200	9
10	12 - 54		6.0	1.0	11.5	200	16
12	14 - 54		8.0	1.0	13.8	200	32

DIPS Branch Saddles

- Blank branch saddles stocked in SDR11.
- Blanks machined per order to radius of main pipe OD; and re-bored to proper SDR.
- Branch saddles can be machined to main sizes up to 63.
- Purchaser must determine that concave/convex heater plate adapters

Outlet Size [inch]	Main Size Range [inch]	Part No.	L1 [inch]	L2 [inch]	Base Diameter [inch]	SDR 11 WPR [psi]	Weight [lbs]
2	3 - 54		3.2	0.2	2.6	200	1
3	4 - 54		3.2	0.5	3.9	200	1
4	6 - 54		4.0	1.0	6.6	200	4
6	8 - 54		5.0	1.5	8.6	200	9
8	10 - 54		6.0	1.5	11.5	200	17
10	12 - 54		8.0	2.0	13.8	200	31
12	14 - 54		10.0	2.0	15.3	200	47

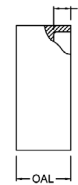
MACHINED END CAPS & BLIND FLANGES



IPS Machined End Caps

- Pressure Rated for SDR Listed

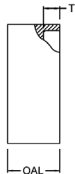
Size [inch]	Part No.	T [min] [inch]	OAL [inch]	SDR11 WPR [psi]	Weight [lbs]	SDR13.5 WPR [psi]	Weight [lbs]
10		2.62	4.00	200	15	160	15
12		3.00	4.00	200	17	160	17
14		3.00	4.00	200	19	160	19
16 - (SDR11)		3.38	5.00	200	32		
16		2.87	4.00			160	24
18 - (SDR11)		3.80	5.00	200	41		
18		3.22	4.00			160	30
20 - (SDR11/17)		4.20	5.00	200	50		
20		3.00	4.00			160	50
22 - (SDR11)		4.65	6.00	200	75		
22		3.70	5.00			160	45
24 - (SDR11)		5.06	6.00	200	89		
24		4.00	5.00			160	68



Size [inch]	SDR 17 WPR [psi]	Weight [lbs]	SDR 19 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
10	130	15	110	15	100	15	80	15	65	15
12	130	17	110	17	100	17	80	17	65	17
14	130	19	110	19	100	19	80	19	65	19
16	130	24	110	24	100	24	80	24	65	24
18	130	30	110	30	100	30	80	30	65	30
20 - (SDR11/17)	130	50								
20			110	37	100	37	80	37	65	37
22	130	45	110	45	100	45	80	45	65	45
24	130	68	110	68	100	68	80	68	65	68

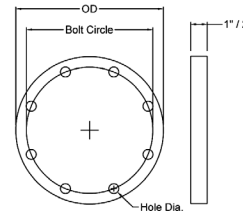
DIPS Machined End Caps

- Pressure Rated for SDR Listed



Size [inch]	Part No.	T [min] [inch]	OAL [inch]	SDR11 WPR [psi]	Weight [lbs]	SDR13.5 WPR [psi]	Weight [lbs]
4		1.00	3.00	200	2	160	2
6		1.50	3.00	200	4	160	4
8		2.00	3.00	200	6	160	6
10		2.40	4.00	200	12	160	12
12		2.80	4.00	200	18	160	18
14		3.30	5.00	200	30	160	30
16		3.68	5.00	200	38	160	38
18		4.12	5.00	200	48	160	48
20 - (SDR11-13.5)		4.60	6.00	200	98	160	98
20		3.70	5.00				
24 - (SDR11-13.5)		5.07	6.00	200	114	160	114
24		4.38	5.00				

Size [inch]	SDR 17 WPR [psi]	Weight [lbs]	SDR 19 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
4	130	2	110	2	100	2	80	2	65	2
6	130	4	110	4	100	4	80	4	65	4
8	130	6	110	6	100	6	80	6	65	6
10	130	12	110	12	100	12	80	12	65	12
12	130	18	110	18	100	18	80	18	65	18
14	130	30	110	30	100	30	80	30	65	30
16	130	38	110	38	100	38	80	38	65	38
18	130	48	110	48	100	48	80	48	65	48
20	130	70	110	70	100	70	80	70	65	70
24	130	94	110	94	100	94	80	94	65	94



IPS Machined End Caps (10psi max.)

Size [inch]	Part No.	T [min] [inch]	OAL [inch]	Low Pressure WPR [psi]	Weight [lbs]
26		3.00	4.00	10 max.	62
28		3.00	4.00	10 max.	72
30		3.00	4.00	10 max.	83
32		3.00	4.00	10 max.	94
34		3.00	4.00	10 max.	106
36		3.00	4.00	10 max.	115
40		3.00	4.00	10 max.	142
42		3.00	4.00	10 max.	157
48		3.00	4.00	10 max.	205
54		3.00	4.00	10 max.	253

IPS/DIPS HDPE Blind Flanges

- Commonly used for closure or night-capping of flanged pipes.
- HDPE Blind flanges are not pressure rated
- Metal backup ring required for sealing at moderate pressures

Size [inch]	Part No.	OD [inch]	Bolt Circle [inch]	Hole Dia. [inch]	Holes (ea)	Weight - 1" Thk [lbs]	Weight - 2" Thk [lbs]
2		6.00	4.75	3/4	4	4.00	1
3		7.50	6.00	3/4	4	5.25	1
4		9.00	7.50	3/4	8	6.75	1
6		11.00	9.50	7/8	8	8.63	2
8		13.50	11.75	7/8	8	10.88	2
10		16.00	14.25	1	12	13.25	3
12		19.00	17.00	1	12	16.00	4
14		21.00	18.75	1-1/8	12	17.63	5
16		23.50	21.25	1-1/8	16	20.13	7
18		25.11	22.75	1-1/4	16	21.50	9
20		27.50	25.00	1-1/4	20	23.88	21
22		29.50	27.25	1-3/8	20	25.88	26
24		32.00	29.50	1-3/8	20	28.13	31

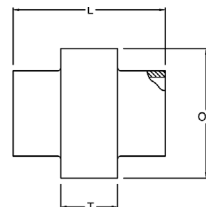
*Also available manufactured in PVC, call customer service for information

IPS/DIPS Steel Blind Flanges for Pressure

- AWWA C207 Class D

Size [inch]	Part No.	OD [inch]	T [inch]	Bolt Circle [inch]	Hole Dia. [inch]	# of Holes	WPR [psi]	Weight [lbs]
2		6.00	0.625	4.75	3/4	4	175	5
3		7.50	0.625	6.00	3/4	4	175	8
4		9.00	0.625	7.50	3/4	8	175	12
6		11.00	0.688	9.50	7/8	8	175	18
8		13.50	0.688	11.75	7/8	8	175	27
10		16.00	0.688	14.25	1	12	175	38
12		19.00	0.812	17.00	1	12	175	63
14		21.00	0.938	18.75	1-1/8	12	150	89
16		23.50	1.000	21.25	1-1/8	16	150	118
18		25.11	1.062	22.75	1-1/4	16	150	140
20		27.50	1.125	25.00	1-1/4	20	150	181
22		29.50	1.188	27.25	1-3/8	20	150	213
24		32.00	1.250	29.50	1-3/8	20	150	275
30		38.75	1.375	36.00	1-3/8	28	150	444
36		46.00	1.625	42.75	1-5/8	32	150	735
42		53.00	1.750	49.50	1-5/8	36	150	1085
48		59.50	1.750	56.00	1-5/8	44	150	1369

FABRICATED WATER-STOPS



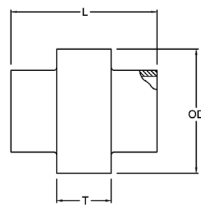
IPS Water-Stops (Thrust-Isolator / Wall-Pipe / Anchor Ring)

- Pressure Rated for SDR Listed

Size [inch]	Part No.	L [inch]	OD [inch]	T [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
2		12.0	3.50	2.00	335	2	250	2
3		12.0	5.00	2.00	335	3	250	3
4		12.0	6.60	2.00	335	4	250	4
6		12.0	8.50	2.00	335	7	250	7
8		16.0	10.63	2.00	335	15	250	15
10		18.0	12.75	2.00	335	24	250	24
12		22.0	15.00	2.00	335	39	250	39
14		22.0	17.50	2.00	335	59	250	59
16		24.0	20.00	2.00	335	88	250	88
18		24.0	21.12	2.00	335	106	250	106
20		24.0	23.50	2.00	335	131	250	131
22		24.0	25.60	2.00			250	163
24		28.0	28.00	2.00			250	187
26		28.0	30.00	2.00			250	141
28		28.0	32.00	2.00			250	162
30		28.0	34.30	2.00			250	191
32		30.0	36.50	2.00				
34		30.0	40.80	2.00				
36		30.0	40.80	2.25				
42		35.0	48.00	2.25				
48		35.0	54.00	2.25				
54		35.0	60.00	2.25				

DIPS Water-Stops (Thrust-Isolator / Wall-Pipe / Anchor Ring)

- Pressure Rated for SDR Listed



Size [inch]	Part No.	L [inch]	OD [inch]	T [inch]	SDR 7 WPR [psi]	Weight [lbs]	SDR 9 WPR [psi]	Weight [lbs]
3		12.0	5.00	2.00	335	3	250	3
4		12.0	6.60	2.00	335	4	250	4
6		12.0	8.50	2.00	335	7	250	7
8		16.0	10.63	2.00	335	15	250	15
10		18.0	12.75	2.00	335	24	250	24
12		22.0	15.00	2.00	335	39	250	39
14		22.0	17.50	2.00	335	59	250	59
16		24.0	20.00	2.00	335	88	250	88
18		24.0	21.12	2.00	335	106	250	106
20		24.0	23.50	2.00	335	131	250	131
22		24.0	25.60	2.00			250	163
24		28.0	28.00	2.00			250	187

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
3	200	3	130	3	100	3	80	3	65	3
4	200	4	130	4	100	4	80	4	65	4
6	200	7	130	7	100	7	80	7	65	7
8	200	15	130	15	100	15	80	15	65	15
10	200	24	130	24	100	24	80	24	65	24
12	200	39	130	39	100	39	80	39	65	39
14	200	59	130	59	100	59	80	59	65	59
16	200	88	130	88	100	88	80	88	65	88
18	200	106	130	106	100	106	80	106	65	106
20	200	131	130	131	100	131	80	131	65	131
22	200	163	130	163	100	163	80	163	65	163
24	200	187	130	187	100	187	80	187	65	187

Size [inch]	SDR 11 WPR [psi]	Weight [lbs]	SDR 17 WPR [psi]	Weight [lbs]	SDR 21 WPR [psi]	Weight [lbs]	SDR 26 WPR [psi]	Weight [lbs]	SDR 32.5 WPR [psi]	Weight [lbs]
2	200	2	130	2	100	2	80	2	65	2
3	200	3	130	3	100	3	80	3	65	3
4	200	4	130	4	100	4	80	4	65	4
6	200	7	130	7	100	7	80	7	65	7
8	200	15	130	15	100	15	80	15	65	15
10	200	24	130	24	100	24	80	24	65	24
12	200	39	130	39	100	39	80	39	65	39
14	200	59	130	59	100	59	80	59	65	59
16	200	88	130	88	100	88	80	88	65	88
18	200	106	130	106	100	106	80	106	65	106
20	200	131	130	131	100	131	80	131	65	131
22	200	163	130	163	100	163	80	163	65	163
24	200	187	130	187	100	187	80	187	65	187
26	200	141	130	141	100	141	80	141	65	141
28	200	162	130	162	100	162	80	162	65	162
30	200	191	130	191	100	191	80	191	65	191
32	200	233	130	233	100	233	80	233	65	233
34	200	264	130	264	100	264	80	264	65	264
36	200	298	130	298	100	298	80	298	65	298
42			130	336	100	336	80	336	65	336
48			130	412	100	412	80	412	65	412
54					100	574	80	574	65	574

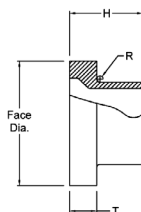
BUTTERFLY VALVE FLANGE ADAPTERS & SPACERS

IPS Butterfly Valve Flange Adapters (SDR 11)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

IPS Butterfly Valve Flange Adapters (SDR 17)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

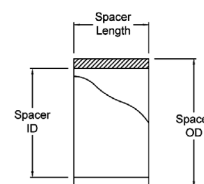


IPS Butterfly Valve Flange Adapters (SDR 21)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

IPS Butterfly Valve Flange Adapters (SDR 26)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19



IPS Butterfly Valve Spacers

- For Use with HDPE Flange Adapters
- For Best Fit GF Flange Adapters are Recommended

Size [inch]	Part No.	PE Flg. Face OD [inch]	Spacer OD [inch]	Spacer ID [inch]	Spacer Length [inch]	Weight [lbs]
2		3.90	4.00	2.12	1.00	1
3		5.00	5.25	3.25	1.00	1
4		6.60	6.75	4.25	1.50	1
6		8.50	8.63	6.25	2.00	2
8		10.63	10.88	8.25	2.00	2
10		12.75	13.25	10.25	2.00	3
12		15.00	16.00	12.25	2.00	4
14		17.50	17.63	13.37	2.00	5
16		20.00	20.13	15.25	2.20	7
18		21.12	21.50	17.25	2.50	9
20		23.50	23.88	19.00	3.00	21
22		25.60	25.88	21.00	4.00	26
24		28.00	28.13	23.00	4.00	31

*Spacers available above 24 upon request

BUTTERFLY VALVE FLANGE ADAPTERS & SPACERS

DIPS Butterfly Valve Flange Adapters (SDR 11)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

DIPS Butterfly Valve Flange Adapters (SDR 17)

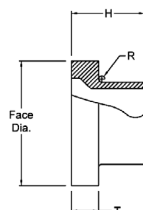
Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

DIPS Butterfly Valve Flange Adapters (SDR 21)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19

DIPS Butterfly Valve Flange Adapters (SDR 26)

Size [inch]	Part No.	H [inch]	T [inch]	Face Dia. [inch]	R (Radius)	Weight [lbs]
4		6.50	1.25	6.63	3/8	5
6		8.50	1.50	8.63	3/8	6
8		9.50	1.75	10.75	3/8	8
10		9.50	2.00	12.75	3/8	12
12		11.50	2.25	15.00	3/8	19



DIPS Butterfly Valve Spacers

- For Use with HDPE Flange Adapters
- For Best Fit GF Flange Adapters are Recommended

Size [inch]	Part No.	PE Flg. Face OD [inch]	Spacer OD [inch]	Spacer ID [inch]	Spacer Length [inch]	Weight [lbs]
2		3.90	4.00	2.12	1.00	1
3		5.00	5.25	3.25	1.00	1
4		6.60	6.75	4.25	1.50	1
6		8.50	8.63	6.25	2.00	2
8		10.63	10.88	8.25	2.00	2
10		12.75	13.25	10.25	2.00	3
12		15.00	16.00	12.25	2.00	4
14		17.50	17.63	13.37	2.00	5
16		20.00	20.13	15.25	2.20	7
18		21.12	21.50	17.25	2.50	9
20		23.50	23.88	19.00	3.00	21
22		25.60	25.88	21.00	4.00	26
24		28.00	28.13	23.00	4.00	31

*Spacers available above 24 upon request

CONDUIT & COIL PIPE



Manufactured in sizes from 1/2" to 12". Most common standards available; ASTM F714, ASTM D3035, ASTM D2239, ASTM F2160, and NEMA TC7. FWP Conduit is RUS (Rural Utility Services) accepted. Various wall thicknesses, colors, stripes, pull tapes are available. 6" and smaller is stocked on steel reels, and 8"-12" is stocked in straight lengths only.



HDPE SWEEP BENDS - MULTI/JOINT 3000 PLUS

SIZE	D	L	R	S-30°	S-45°	S-60°	S-90°
2" IPS	2.375"	6"	7.13"	7.5"	9"	10.5"	13.3"
3" IPS	3.5"	6"	10.5"	8.5"	10.3"	12.1"	16.5"
4" IPS	4.5"	6"	13.5"	9.6"	11.6"	13.8"	19.5"
6" IPS	6.625"	7"	19.9"	12.3"	15.2"	18.5"	26.9"
8" IPS	8.625"	10"	24.5"	16.6"	20.1"	24.2"	34.5"
10" IPS	10.75"	11"	32.25"	19.6"	24.3"	29.6"	43.2"
12" IPS	12.75"	13"	38.3"	23.3"	28.7"	35.1"	51.3"
14" IPS	14"	13"	38.9"	23.4"	29.1"	35.5"	51.9"
16" IPS	16"	16"	48"	28.9"	35.9"	43.7"	64"
18" IPS	18"	18"	54"	32.5"	40.4"	49.2"	72"
20" IPS	20"	20"	60"	36.1"	44.9"	54.6"	80"

HDPE SWEEP BENDS

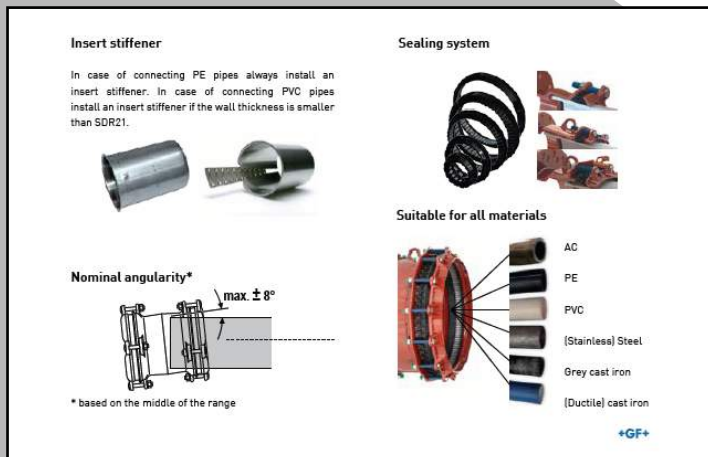
HDPE sweep bends offer substantial benefits to pipeline designers looking for improved flows, or in the case of slurry lines, reduced wear. HDPE Sweep bends are made from HDPE pipe and are formed with both a constant radius and a consistent diameter. All angles up to and including 1° - 90° available in IPS (OD) diameters from 2" to 20".

MULTI/JOINT® 3000 PLUS

Georg Fischer's MULTI/JOINT® 3000 Plus system is available as fittings, flange adaptors, reduction pieces, bends, duckfoot bends and end caps of ductile iron. These maintenance-free connections are durable and corrosion proof which allows it to be reusable for up to 50 years. The MULTI/JOINT® 3000 Plus system allows you to quickly make a restraint connection between all pipe materials, without the need for any special tools.



HDPE SWEEP BENDS



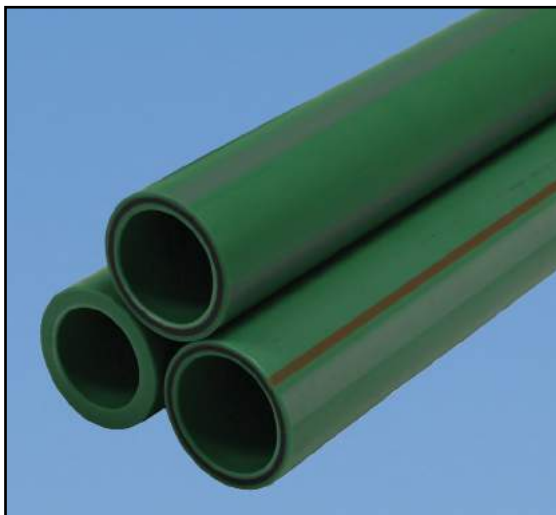
MULTI/JOINT 3000 PLUS



MULTI/JOINT 3000 PLUS FITTINGS

PP-R - PPR-CT

PPR-CT PIPE & FITTINGS



PP-R PIPE



PP-R

PP-R is a non-corroding material, so it does not wear out and clog up after a few years of service. Even hard water won't affect PP-R, making it the perfect piping material for nearly any application. PP-R also is heat-fused together, giving it connections that even outlast the pipe itself.

PP-RCT

PP-RCT is the latest advancement in polypropylene polymers and has a wide range of benefits for commercial plumbing systems. It has a more complex crystalline structure that provides greater pressure capabilities at higher temperatures than conventional PP materials. When utilized in a piping system, these enhanced mechanical properties make it suitable for higher temperature applications such as boiler and hot water systems. They also create lighter and thinner piping while maintaining the necessary system pressure ratings. PP-RCT can also be extruded in a multilayer pipe with fiber core middle layer. This core reduces the impact of thermal expansion on the piping system.

Allowed Pressure (psi) for
Service Life of 50+ years

Wall Thickness	SDR7.4		SDR9		SDR11		SDR17.6
Safety Factor	1.25	1.5	1.25	1.5	1.25	1.5	1.25 (Recommended SF by ISO 15874 & DIN 8077-8078)
50° F	487	406	387	322	308	257	160
68° F	423	352	335	280	266	222	135
73° F	400	335	324	270	252	210	133
86° F	364	303	289	241	230	192	121
104° F	312	260	248	206	197	164	103
122° F	265	221	211	176	167	140	88
140° F	223	186	177	148	141	118	70
160° F	187	155	147	123	117	97	62
180° F	100* (149)	100* (120)	100* (120)	100	100	85	50

ELECTROFUSION

FITTINGS

ELECTROFUSION is a method for bonding HDPE pipe using heat from energized wire within a fitting. An alternative to butt fusion, electrofusion is cost-effective and ideal for repairs and a range of applications – tie in of directional drills, manhole connections, confined space repair, branch saddles, and more.

IMSCO has an extensive range of Electrofuse fittings in stock. We have processors and scrapers in our rental fleet ready for your project.



45° ELL



90° ELL



BRANCH SADDLE



TAPPING TEE



COUPLER



LOW PRESSURE



SADDLE



REDUCER



FLEX RESTRAINT



TEE



SADDLE WITH VARIOUS CONNECTIONS

EQUIPMENT



ELECTROFUSION PROCESSOR



PROCESSOR SCANNING COUPLER

BUTT FUSION

BUTT FUSION is a proven method of welding together polyethylene pipe and fittings. A fusion machine holds the pipe and/or fitting, while a cutting blade trims the ends of the pipes. Then, a heating plate is placed between the pipes allowing the two ends to heat up and bond permanently once joined. After cooling, the bond becomes stronger than the pipe itself and you have one monolithic system.

IMSCO supplies pre-fused materials, provides fusion support and rental services.



IN-HOUSE FABRICATION



FABRICATION

The IMSCO team can custom fabricate or extrusion weld any polyethylene structure you can design. We have more than 40 years experience in fabricating HDPE fittings and structures for various applications.



FLANGED SPOOLS



PROCESS MANIFOLD



HDPE FLANGED FITTINGS



FITTINGS



ON-SITE FABRICATION



30" DIPS SEWER



32" DREDGE LINE



DISCHARGE PIPE



FIREWATER PIPE



24" DIPS SEWER



HDPE DREDGE
APPLICATION



BYPASS PIPE



TANK MANIFOLD



PROCESS PIPE

Let our experience work for you. Train and certify your fusion personnel or have a certified fusion technician from IMSCO join your HDPE pipe project. Engineering inspectors should also be qualified to ensure the polyethylene pipe is being joined and installed to the proper parameters and ASTM standards.

Let our experience
work for
YOU!

DUAL CONTAINMENT - PIPE PERFORATION

DUAL CONTAINMENT



FABRICATION AND PIPE PERFORATING SERVICES

IMSCO provides various fabrications and pipe perforating services in our warehouse or on your job site. In order to assure your quality projects, we will train your staff in these methods or facilitate the fabrication and perforation process for you.

PERFORATION

We can also custom perforate or slot polyethylene & PVC or CPVC pipe efficiently and cost effectively. This includes options to customize your perforation configuration of hole size, spacing, and quantity.

DUAL CONTAINMENT

Dual wall containment pipe is designed for leak protection. Also called double wall HDPE pipe, it is made from two solid wall HDPE pipes. The pipe consists of an inner pipe (Carrier Pipe) and outer pipe (Containment Pipe), which adds the protection of a second pipe to contain fluids during a leak.

EXTRUSION WELDING

Extrusion welding is the preferred method for joining material over 6mm thick. It allows the application of bigger welds in a single weld pass. In this process, a welding rod is drawn into a hand held plastic extruder where it is plasticized and then forced out of the extruder, while hot air allows bonding to take place.

PIPE PERFORATION





CERTIFIED MCELROY RENTAL

The Certified McElroy Rental program is a comprehensive program created by McElroy Manufacturing to manage the quality and reliability of the fusion machines that are rented in North America. By participating in the program, IMSCO has pledged to provide a greater continuous care of McElroy fusion machines. Our rental fleet includes from the smallest, 2LC (3/4" - 2") to the largest, MegaMc (20" - 65") and everything in between. These machines can be rented in multiple configurations – two of the most popular are the rolling cart or the self-powered, all-terrain mobile TracStar.

AUTHORIZED SERVICE CENTER

As an Authorized Service Center with factory trained mechanics, we have the ability to do warranty repairs on behalf of McElroy manufacturing. Our factory trained team can troubleshoot and repair the full range of McElroy machines, from the 2LC to the 2065 daily. Let us help you with all your fusion machine needs small or large, we can service your fusion machines with fresh fluids or we can do a complete overhaul with new paint, motor, and hydraulic cylinders. We take great pride in our work and use only OEM replacement parts to ensure that our repairs are not only done correctly but they are still covered under warranty.

MCELROY MASTER MECHANIC

McElroy Master Mechanics have successfully completed all courses in troubleshooting, rebuild and maintenance techniques for McElroy fusion machines. They have also passed a rigorous skills assessment to ensure their ability to provide world-class service and maintenance of McElroy equipment.



CORRUGATED HDPE -PVC - DRAINAGE ACCESSORIES



A2000 PVC



A2000 PVC FITTINGS



CORRUGATED HDPE PIPE

With a wide variety of pipe material, sizes, corrugations and coatings, IMSCO provides a diverse line of products for a range of applications, including drainage, sanitary, storm water and irrigation. Our underground drainage solutions are designed for durability, efficient flow, and ease of installation.



CORRUGATED HDPE FITTINGS



DRAINAGE CONTROL SYSTEM



DRAINAGE CONTROL SYSTEM



CORRUGATED PIPE



FABRICATED CORRUGATED



CLEAN OUT



TRENCH DRAIN



PVC CATCH BASIN

CARBON STEEL PIPE, VALVE & FITTINGS



CARBON STEEL PIPE



CARBON STEEL PIPE



THREADED NIPPLES



FLANGES

STAINLESS STEEL PIPE, VALVE & FITTINGS



FLANGES



PRESSURE FITTING



PIPE



STUB ENDS

We supply carbon steel, stainless-steel, ductile iron and PVC/CPVC pipes, valves, and fittings, and we carry all sizes and wall-thicknesses of both coated and non-coated materials.

DUCTILE IRON PIPE, VALVE & FITTINGS



DUCTILE IRON FITTINGS
& FLANGES



DUCTILE IRON PIPE

PVC/CPVC PIPE, VALVE & FITTINGS



C900



SDR 35



PVC, CPVC, SCH 40 & SCH 80
PIPE & FITTINGS

HYDRANTS - VALVES - PIPELINE ACCESSORIES



HYDRANT WITH
MONITOR ELBOW



FLANGED GATE
VALVE



INDICATOR
POST



HYDRANT

HYDRANTS & VALVES

IMSCO provides a wide selection of gate valves, check valves, fire hydrants, and indicator post in all areas of the industry.

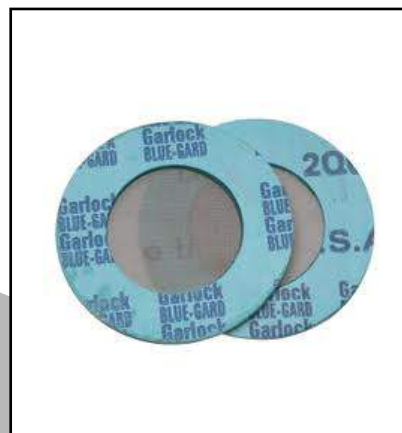
PIPELINE ACCESSORIES



CONCRETE ANCHOR
WEIGHT



LINK SEAL



GASKETS



NUTS AND BOLTS

TECHNICAL APPENDIX

|www.imsupplyco.com|

NOTES

PLASTIC PIPE HANDBOOK

http://plasticpipe.org/publications/pe_handbook.html

PLASTIC PIPE CALCULATOR

<http://hdpeapp.com/#/pipe>

BORE AID CALCULATOR

<http://ppiboreaid.com/>

TECHNICAL REPORTS

<http://plasticpipe.org/publications/technical-reports.html>

TECHINICAL NOTES

<http://plasticpipe.org/publications/technical-notes.html>

PIPE FUSION CALCULATOR

<https://www.mcelroy.com/en/mccalc.htm>



PROVIDING HDPE PIPE, VALVES, FITTINGS
AND FUSION EQUIPMENT FOR ALL
DOMESTIC AND INTERNATIONAL PROJECTS



Industrial Municipal Supply Company Inc.

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